



# TOTAL SOLUTIONS PROVIDER

SUPPLEMENTAL PRODUCTS



CATALOG 0120

CATALOG 0120



Snap-on Tools Company LLC, Kenosha, WI  
Minnesota Franchise Registration No. F-2327

# DO YOU KNOW SOMEONE WHO'S READY TO OWN IT?

- #1 Tool Brand in the World
- #2 Franchise for Veterans - Entrepreneur Magazine, 2019
- Entrepreneur Franchise 500 Top Tool Franchise
- Financing may be available through Snap-on Credit
- Proven business model and extensive initial training



# Snap-on®

[SnaponFranchise.com](http://SnaponFranchise.com)



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## Important Words

### About Safety

#### for Users and Bystanders

Following these basic safety rules is a good start toward protecting yourself — and others in the vicinity — from injury while using tools.

**Wear safety goggles**

**Use the right tool**

**Use the tool properly**

**Maintain the tool regularly**

**Keep tools away from children**

**Do not use tools on live electrical circuits unless specifically designed for such use**

**Read and follow instructions**



THIS SYMBOL INDICATES PROHIBITED ACTION



DO NOT OVER-TORQUE  
NO PIPES OR LEVER  
EXTENSIONS



NO HAMMERING



NO PRYING



DO NOT STRIKE HARD  
OBJECTS



NO IMPACT/POWER DRIVE



DO NOT STEP IN OR ON  
DRAWERS



DO NOT OPEN MULTIPLE  
DRAWERS



DO NOT PULL TO MOVE



KEEP CHILDREN AWAY



THIS SYMBOL INDICATES MANDATORY ACTION



MANDATORY EAR  
PROTECTION



MANDATORY FACE SHIELD



MANDATORY MASK



MANDATORY RESPIRATOR



MANDATORY PROTECTIVE  
CLOTHING



MANDATORY PROTECTIVE  
GLOVES



MANDATORY EYE  
PROTECTION



MUST READ INSTRUCTIONS  
BEFORE USE



THIS SYMBOL INDICATES A HAZARD ALERT

RED BACKGROUND – DANGER  
ORANGE BACKGROUND – WARNING  
YELLOW BACKGROUND – CAUTION



VIBRATION HAZARD



RISK OF EXPLOSION



OVERHEAD/OVERLOAD  
HAZARD



RISK OF ELECTRIC  
SHOCK



RISK OF FIRE



RISK OF  
ENTANGLEMENT



PROPOSITION 65

**WARNING:** Product can expose you to chemicals known to the State of California to cause cancer, birth defects or both. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

California residents see page 365 for Proposition 65 warning.

Safety messages in this catalog use the guidelines of the American National Standard ANSI® Z535.4 for Product Safety Signs and Labels and ANSI® Z535.3 Criteria for Safety Symbols. Messages associated with specific products use a triangular hazard alert symbol, signal word (CAUTION, WARNING, DANGER) and how to avoid the hazard. Each message refers to pages (4 to 7) which provide additional safety symbols and three part messages advising of:

- The hazard

**How to avoid the hazard**

*The probable consequence of not avoiding the hazard*

**PLEASE READ AND FOLLOW** these messages to avoid injury to yourself and bystanders.

## Adaptors

### **WARNING**



- Adaptors can break from over-torque. **Do not use with impact drivers.** Broken adaptor can cause injury.

## AVR Battery Testers

### **WARNING**



- Batteries produce explosive gases and can explode and ignite. **Wear safety goggles. (User and bystanders)** Keep flames and sparks away from batteries. Battery explosion and ignited gases can cause injury.



## Battery Chargers, Testers (AVR), Portable Booster Packs

### **WARNING**



- Batteries produce explosive gases and can explode. **Wear safety shield. (User and bystanders)** Do not overcharge battery. Keep flames and sparks away from batteries.
- Sparks occur when connecting or disconnecting leads while charger is ON. **Charger must be OFF when connecting or disconnecting leads.** Do not allow leads on Booster Packs to contact each other. Battery explosion or ignited gases can cause injury.



## Blow Guns

### **WARNING**



- Blow guns create flying particles, noise and pressure. **Wear safety shield. (User and bystanders)** Do not direct air at yourself or bystanders. **Wear hearing protection. (User and bystanders)** Keep out of reach of children. Vented: Do not use if air supply is above 135 psig. Do not obstruct vents. Non-Vented: Do not use if air supply is above 30 psig. Flying particles, noise and high velocity air can cause injury.



## Brake Tools

### **WARNING**



- Brake cylinder hones can fly apart if used outside cylinder. **Wear safety goggles. (User and bystanders)** Operate only while hone is within cylinder. Flying parts can cause injury.



## Butane Mini-Torches

### **WARNING**



- Butane can explode. Store at a temperature below 120 °F. Dispose of butane in accordance with regulations. Explosion or flames can cause injury.



## Compressors

### **WARNING**



- Air from compressors may contain oil mist and other harmful materials for breathing. **Do not use air from this compressor as a breathing supply.** Oil and other impurities in breathing-supply air can cause injury.
- Compressor systems contain air under pressure which can create a high pressure stream or ruptured vessel. **Wear safety goggles. (User and bystanders)** Relieve pressure before servicing. Do not modify/repair/rework pressure vessel or change safety relief pressure setting. A pressurized air stream or rupturing pressure vessel can cause injury.
- Moving components inside. **Do not use without all guards in place.** Moving components can cause injury.
- High voltage will create an electrical shock. **Disconnect all power before servicing.** High voltage can cause injury.



## Cordless Tools

### **WARNING**



- Battery packs present a risk of fire, explosion and electric shock. **Charge battery pack only with charger provided.** Do not store battery packs at temperatures above 120 °F. (49 °C). Do not discard used batteries; return them to a Snap-on® repair center for recycling. Follow all safety messages in User's Manual. Fire or explosion or electric shock can cause injury.



## Diagnostic Equipment

### **WARNING**



- Use of diagnostic equipment on rotating engine poses risk of flying particles and entanglement. **Wear safety goggles.** Use caution in routing cables. Flying particles can cause injury. Poorly routed cables and test leads can cause entanglement and injury.
- Use of diagnostic equipment can cause electrical shock, fire and explosion. **Use caution and proper procedures when connecting and disconnecting leads.** Diagnostic equipment must be located 18" or more above floor level. Avoid sparks and other sources of ignition. Electrical shock, flames and explosion can cause serious injury.
- Improper use can cause hazardous conditions. **Read and follow all safety precautions accompanying the product.** Unexpected electrical, thermal or mechanical occurrences can cause injury.



## Fuel System Tools

### **WARNING**



- Flammable liquid and fumes can ignite. **Wear safety shield. (User and bystanders)** Use only in well-ventilated areas. Explosion or flames can cause injury.



## Geared Head Torque Multipliers

### **WARNING**

- Use of gear head torque multipliers for torque control may result in inaccurate torque application. **For accurate control of torque use an Electrotork®, a TORQOMETER® or other measuring device located directly on the fastener.** Limited accuracy of the torque ratio of a geared head torque multiplier may cause improper preload of the fastener if it is used for torque control.

## Grinders, Grinding Wheels, Power Tool Accessories

(drill bits, wire brushes, grinding burrs, abrasive wheels, grinding wheels, valve grinders, valve grinding wheels)

### **WARNING**



- Grinding causes flying particles. Power tool accessories can break. **Wear safety goggles. (User and bystanders)** Do not operate without eyeshields, guards and holders in place. Do not use power tool accessories at speeds faster than their maximum rated rpm. Flying particles and broken tools can cause injury.
- Wire bristles can break and fly off. **Wear safety goggles. (User and bystanders)** Flying particles can cause injury.
- Force on the side of grinding wheels or discs can break them. **Do not grind on the side of a grinding wheel or disc.** Broken grinding wheel or disc can cause injury.



## Hammers

### (See Striking and Struck Tools)

## Hand Tools

### Handles

### **WARNING**

- Handles can break if overloaded. **Do not use "cheater bars" on handles.** Pull, do not push, on handles. Broken handle or a fall can cause injury.

## Sockets, Accessories

### **WARNING**

- Sockets and accessories can break if used with an impact wrench. **Do not use chrome or industrial finish hand tools with impact drivers.** Broken sockets or accessories can cause injury.

## Impact Wrenches

### **WARNING**



- Impact wrenches can cause breakage of sockets or accessories. **Wear safety goggles. (User and bystanders)** Do not use hand sockets with impact wrenches. Flying objects can cause injury.



## Knives

### WARNING



- Blades are sharp and can cut
  - Blades can break causing flying objects
- Wear safety goggles. (User and bystanders)**  
**Do not pry or bend blade.**  
**Keep away from children.**  
*Sharp edges and flying objects can cause injury.*

## Leak Detectors

### WARNING



- Gases, fluids or accumulated fumes may explode or ignite



**Do not expose fluids or fumes to flames, sparks or other sources of ignition.**  
**Wear safety goggles or safety shield.**  
**Use only in well ventilated areas.**



*Explosion or flames can cause injury.*  
*Fumes can cause breathing difficulty.*

## Lift Equipment

### Jacks, Jack Stands

### WARNING



- Vehicles supported by jacks or jack stands may fall if used improperly
- Do not exceed rated capacity of jack or jack stand.**



**Do not work on vehicle supported by jack, use jack stands; use jack stands in pairs.**  
**Use jack and jack stands only on hard level surface**



**Lift and support vehicle only on its designated lift points.**

*Failure of jack or jack stand or falling of vehicle can cause serious injury or death.*

### Lifts, Hoists

### WARNING



- Vehicles supported on lifts or hoists may fall if lifts are improperly installed, used or maintained
- Do not exceed rated capacity of the lift.**



**Lift must support vehicle only on its designated lift points.**



**Lifts must be installed by qualified installer.**  
**Lifts must be inspected and maintained in accordance with User's Manual.**  
**Follow all instructions for proper use and all safety messages in User's Manual.**

*Failure of the lift or vehicle falling off of lift due to use of improper lift points can cause serious injury or death.*

## Lighting

### WARNING



- Electrical shock can result from absence of grounding prong
- Do not remove or by-pass the grounding prong in any electrical plug.**  
**Disconnect power before servicing.**  
*Electrical shock can cause injury.*

## Pliers/ Cutters

### WARNING



- Broken tips or cut material can fly
- Wear safety goggles. (User and bystanders)**  
*Flying material can cause injury.*

## Power Tools

(impact wrenches, ratchets, hammers, sanders, grinders)

### WARNING



- Power tools can cause flying particles
- Wear safety goggles. (User and bystanders)**  
*Flying particles can cause injury.*



- Power tools generate noise
- Wear hearing protection. (User and bystanders)**



*Prolonged exposure to noise can cause hearing loss.*

- Power tools vibrate
- Avoid prolonged exposure to vibration.**  
*Prolonged exposure to vibration can cause injury.*

**Improper use of power tools and accessories can cause broken tools**  
**Do not use without all guards in place.**  
**Use accessories rated at tool rpm or higher.**  
**Read and follow instructions before using power tools.**  
*Broken tools can cause injury.*

## Pressure Equipment and Pressure Gauges

(all equipment using pressurized air or hydraulic fluid such as tanks, spray guns and blow guns)

### WARNING



- Pressurized equipment, systems or tanks can break or leak
- Do not exceed the maximum pressure rating of equipment. Wear safety goggles or shield and protective clothing appropriate to the fluid.**  
*Pressurized fluid striking the body can cause personal injury. Flammable fluids such as gasoline, propane, etc. can ignite or explode and cause injury.*



**Fluids can leak or escape**  
**Use only in well ventilated areas.**  
*Breathing vapors or fluids from leaks can cause illness or injury.*



- Pressurized air or fluid stream can propel dust or particles
- Do not direct air or fluid stream at your body or at others.**  
*Flying particles, air or fluid entering body can cause injury.*



**Improper use or maintenance of pressurized equipment can cause leaks or rupture**  
**Read and follow instructions.**  
*Leaking of pressurized equipment can cause injury.*



**Leaking of pressurized equipment can cause injury.**



## Prybars

### WARNING



- Prying can cause flying chips. Chipped or cracked prybars can cause flying chips
  - Prybars can chip if struck
- Wear safety goggles. (User and bystanders)**  
**Do not use pipe or lever extension.**  
**Do not use a prybar if chipped or cracked.**  
**Do not use a prybar as a punch or hammer.**  
*Flying chips can cause injury.*



*Flying chips can cause injury.*

## Pullers, Presses

### WARNING



- Puller or press parts under stress can break
- Wear safety goggles. (User and bystanders)**  
**Use the proper type and size puller or press.**  
**Screen the puller or press operation.**  
*Broken parts can cause injury.*

## Punches / Chisels

(See Striking and Struck Tools)

### Ratchets

### WARNING

- Ratchet mechanism may slip or break if dirty
- Mismatched or partially worn parts can cause ratchet to slip or break

**Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.**

**Do not immerse sealed ratchet in fluids.**  
**Do not replace worn parts individually, use entire contents of the service kit.**  
*Ratchets that slip or break can cause injury.*

### Sanders

### WARNING



- Sanding disc or accessories can break if used above maximum rated rpm



**Wear safety shield. (User and bystanders)**  
**Do not use sanding discs or accessories above their maximum rated rpm.**  
**Do not use grinding wheels on sanders.**  
*Broken sanding disc or accessories can cause injury.*



**Wear hearing protection. (User and bystanders)**



- Some dust created by sanding, grinding and drilling activities contains chemicals known to cause cancer, birth defects and other reproductive harm
- Wear dust mask or respirator.**

### Scrapers

### WARNING



- Scrapers and putty knives can break if used for prying or chiseling
- Wear safety goggles. (User and bystanders)**  
**Do not use a scraper or putty knife as a prybar or chisel.**  
*Broken tools can cause injury.*



*Broken tools can cause injury.*

### Screwdrivers

### WARNING



- Screwdrivers can break if used as prybar, chisel or punch
- Wear safety goggles. (User and bystanders)**  
**Do not use a screwdriver as a prybar, chisel or punch.**  
*Broken screwdriver can cause injury.*



**Plastic screwdriver handles do not provide electrical insulation**



**Do not use on or near live electrical circuits.**  
*Electrical shock can cause injury.*

### Socket Usage

Select the proper type of socket for the application.

- **Hand Sockets** – All chrome-plated sockets and black-finished sockets identified as hand sockets are for hand use only
- **Power Sockets** – Sockets designed and intended for use with power-nut runners; do not use with impact drivers
- **Impact Sockets** – Sockets designed for durability when used with impact drivers; use only impact sockets with impact drivers

## Sockets, Power

### WARNING



- Power sockets or accessories can break if used on impact drivers
- Wear safety goggles. (Users and bystanders)**  
**Do not use power sockets or accessories with impact drivers.**



- Broken tools can cause injury.*
- Flexible sockets and swivel joint tools rotate under power during use
- Wear safety goggles. (Users and bystanders)**  
**Do not hold flexible sockets and swivel joint tools during use.**

*Rotating power tools can cause injury.*

## Striking and Struck Tools, Punches/Chisels

### WARNING



- Striking and struck tools can break or chip
- Chipped or mushroomed punch and chisel ends or metal weakened by improper grinding can fragment
- Oversized hammer can chip the punch or chisel

**Wear safety goggles. (Users and bystanders)**

**Do not use punch or chisel having mushroomed ends; dress edges or mushroomed ends to original shape with a hand file.**

**Do not misuse a chisel as a punch. Hammer head diameter should be approximately 3/8" larger than head of punch or chisel.**



*Flying objects can cause injury.*

- Steel punches and chisels can cause sparks during use

**Do not use near flammable substance. Flammable substances can ignite causing injury.**

## Hammers

### WARNING



- Hammers can cause flying chips. Chipped, mushroomed or cracked hammers can cause flying chips
- Glancing blows can cause flying chips
- Striking hard surface can cause flying chips
- Body hammers can chip or break if struck against hard surfaces



**Wear safety goggles. (Users and bystanders)**  
**Do not use chipped, mushroomed or cracked hammers.**

**Strike squarely and avoid glancing blows. Do not strike other hammers or similar hard surfaces.**

**Use body hammers only for striking automotive type sheet metal; do not strike hard surfaces.**



*Flying chips can cause injury.*

- Steel hammers can cause sparks during use

**Do not use near flammable substance. Flammable substances can ignite causing injury.**

- COMPOTHANE® or urethane hammers can rupture or ignite if exposed to liquid oxygen
- Do not use COMPOTHANE or urethane hammers near liquid oxygen. Ruptured and/or ignited COMPOTHANE or urethane can cause injury.**

## Tire Changers

### WARNING



- Tires can explode
- Wear safety goggles.**  
**Do not over-pressurize tire.**  
**Read and follow all safety precautions in User's Manual**  
*Exploding tire can cause serious injury.*



## Tool Storage Units

### WARNING



- Storage units can tip or strike you
- Do not open more than one loaded drawer at a time.**



- Keep children away.**  
**Close lid and lock drawers and doors before moving.**



- Apply brakes on locking casters when not moving unit.**



- Do not step in or on drawers.**  
**Secure units together with fasteners.**  
**Read and follow instruction manual.**



- Tippling of storage unit or unit striking you can cause injury.*



- Units edges can cut or pinch
- Do not pull; push to move.**



- Wear gloves when lifting by edges.**  
**Keep feet and fingers clear of edges when stacking, hanging or moving units.**  
*Unit edges can cause injury.*

## Torque Testers

### WARNING



- Calibration weights can cause tester and its base to tip
- Wear safety goggles. (Users and bystanders)**  
**Counterbalance or anchor mounting base.**  
*Tippling base can cause injury.*

## Torque Wrenches

### WARNING



- Overtorquing can cause breakage
- Wrench can break while breaking fasteners loose
- Force against flex stops on flex head torque wrenches can cause head breakage
- An out-of-calibration torque wrench can cause part or tool breakage



- Wear safety goggles. (Users and bystanders)**  
**Do not exceed rated torque.**  
**Do not use a torque wrench to break fasteners loose.**  
**Do not force head of flex head torque wrenches against stops.**



- Periodic recalibration is necessary to maintain accuracy.**

*Broken tools can cause injury.*

## Unibody and Frame Straightening Equipment

### WARNING



- Improper usage can damage or break equipment



**Read and follow all instructions in User's Manual.**



*Broken parts of the frame straightener or vehicle can cause personal injury.*



- Risk of entanglement
- Do not stand on or near ramps or rack when raising or lowering the rack.**

*Moving parts can cause injury.*

- Parts under high stress can break
- Do not exceed maximum capacity of lowest rated component of pull system.**  
*Broken parts can cause injury.*

## Welders, Cutters Electric, Plasma

### DANGER



- Electric welding or plasma cutting causes ultraviolet rays, localized magnetic fields, sparks, weld spatter and hazardous vapors and may cause electrical shock
- Bystanders will be exposed



**Wear welding helmet with appropriate shade lens while welding or cutting. Wear gloves and protective clothing. Use only in well-ventilated area.**

**Do not allow bystanders in area while welding or cutting.**



**Do not operate this equipment if you have an implanted electromechanical device. Never coil electrode/torch lead around your body.**

**Read and follow all safety precautions in instructions.**

*Ultraviolet rays will burn eyes, magnetic field may affect operation of medical devices.*

*Weld spatter, electrical shock or sparks can cause burns or other injuries.*

## Gas, Welding and Plasma Cutting

### WARNING

- Welding and cutting produce heat, weld spatter and hazardous vapors
- Wear face shield and protective clothing. Use only in well-ventilated area.**  
**Do not allow bystanders in immediate area.**  
**Read and follow all safety precautions in instructions.**

*Byproducts of welding or cutting can cause burns or other bodily injuries.*

## Wheel Alignment Tools

### WARNING



- Suspension springs can slip out of engagement with spring compressors
- Follow instruction and assure that spring is properly engaged with the compressor.**



- Wear safety goggles. (User and bystander)**  
• WA92 can break or disengage from spring if torqued over 30 ft-lb

**Do not torque WA92 over 30 ft-lb**  
*Broken compressor or disengaged spring can cause injury.*

## Wrenches

### WARNING



- Excess force can cause crowfoot or flare-nut wrench slippage

**Do not over-torque, no pipes or "cheater bars."**



**Use only moderate force on crowfoot and flare nut wrenches.**

*Broken or slipping wrenches can cause injury.*

- Slimline wrenches can break if overloaded
- Wear safety goggles. (Users and bystanders)**

*Broken wrench jaw can cause injury.*

- User can slip or fall if wrench breaks or fastener breaks loose

**Pull, do not push, on wrench handle.**  
*Injury can occur if user loses balance.*

# Air Conditioning Service Tools

## A/C Clamp Remover

### A/C Clamp Remover for Toyota® Vehicles

- For removing special air conditioning line clamps

#### Applicable:

1998–newer Toyota® model vehicles with new style A/C clamps

**ASTTOY200**



**ASTTOY200**

### Toyota® Tacoma® Line Clamp Removal

- Fits both high and low side clamps
- Appropriate chamfer opens clamps
- Made in USA

#### Applicable:

Tacoma® [2015-2018]

**ASTTOY211**



**ASTTOY211**

## A/C Leak Detection Kits and Accessories



### Lubricant and Dye Injector Professional Grade A/C Oil Injector

- Unique full-body sight glass allows accurate measurement of liquid
- Pyrex® sight glass walls limit internal seal abrasion, allowing double the injecting pressure of standard injectors (up to 230 PSI)
- Metric and SAE measuring scales are larger, much easier to read
- Precision-machined for years of durable, leak-free service

**ASP90021**



**ASP90021**

### Leak Detector Flashlight

- Compact UV flashlight uncovers refrigerant leaks instantly
- Combines leak detection ability with a bright flashlight to illuminate dark areas along with a laser pointer to pinpoint a leak
- Instantly highlights leak detection dyes (for use with standard leak detection dyes available in the market)
- White LED light with 100,000-hour life

**FLURLD2**



**FLURLD2**



**TRPLF016**



**TRPLF021**



**TRPLF040CS**

### LeakFinder® BigEZ™ Universal A/C Leak Detection Kit

- Compatible with R-134a, R-1234yf, and other refrigerants
- Dye injector & lamp included
- Ideal for high-volume shops
- Services up to 64 vehicles

**TRPLF016**

### LeakFinder® Complete A/C + Fluid Leak Detection Kit

- Compatible with R-134a, R-1234yf, and other refrigerants
- Reusable A/C dye syringe injector
- Treats A/C, coolant, and oil-based fluid systems

**TRPLF021**

### LeakFinder® SOLO-SHOT™ Single-Use Syringe Universal A/C Leak Detection Kit

- (4) Single-use, disposable syringes prefilled with universal A/C dye
- Compatible with R-134a, R-1234yf, and other refrigerants
- Dye injector & lamp included
- Services up to four vehicles

**TRPLF040CS**



### LeakFinder® SOLO-SHOT™ Single-Use Universal A/C Dye Replacement Syringes

- (6) Single-use, disposable syringes prefilled with universal A/C dye
- Compatible with R-134a, R-1234yf, and other refrigerants
- Services up to four vehicles

**TRPLF060**



**TRPLF060**



**TRPLF1001**

### LeakFinder® Universal A/C Dye

- (6) 1 oz (30 mL) bottles of universal A/C dye
- Compatible with R-134a, R-1234yf, and other refrigerants
- Services up to 24 vehicles

**TRPLF1001**



### LeakFinder® BigEZ™ Universal A/C Dye Replacement Cartridge

- Comes in a full-color, hanging clam-shell packaging
- Compatible with R-134a, R-1234yf, and other refrigerants
- Services up to 64 vehicles

**TRPLF1800CS**



**TRPLF1800CS**



# Air Conditioning Service Tools

## A/C Leak Detection Kits and Accessories

### LeakFinder® R-1234yf Adapter

- Connect to R-1234yf systems
- Use existing injector assembly and lamp

TRPLF60



### Tracerline® OPTI-PRO™ UV PLUS

- Adjustable focus lens
- Contrasting strobe light feature
- High/Low output setting
- Rechargeable Li-ion battery
- Expanded 25' inspection range

TRPTPOPUPV



### Tracerline® OPTI-PRO™ UV OPTI-PRO™ UV Leak Detection Flashlight

- Adjustable focus lens
- Economical, powerful design
- Perfect for finding small leaks
- 20' inspection range

TRPTPOPUV



### Tracerline® R-1234yf/PAG A/C Dye UV Leak Detection Kit

- OEM-Grade
- For modern R-1234yf systems
- For single, billable dosing
- Cartridges and injector assembly included
- Services up to 3 vehicles

TRPTPOPUV19



### Tracerline® EZ-Ject™ R-1234yf A/C Dye Injection Kit

- OEM-Grade
- For Modern R-1234yf Systems
- Services Up to 14 Vehicles

TRPTP9824-BX



### Yellow Fluorescence – Enhancing Glasses

- Eliminates blue light, so all leaks glow brighter
- Makes leaks easy to spot
- Protects user from ultraviolet light

TRP9940



TRP9940

## A/C Recovery System and Accessories

### Dual Automatic Recycle Guard® 1/4" Flare to 1/2" ACME Adaptor Kit

- 36" high and low side charging hoses
- Burst resistant to 3,000 PSI
- Adaptors allow easy conversion on recovery machines with 1/4" flare fittings to 1/2" ACME fittings

ASP72127



ASP72127

### Dual Automatic Recycle Guard® 1/2" ACME to 1/4" Flare Adaptor Kit

- 36" high and low side charging hoses
- Burst resistant to 3,000 PSI
- Adaptors allow easy conversion on recovery machines with 1/2" ACME fittings to 1/4" flare fittings

ASP72139



ASP72139

### DARG Hose Assembly Kit

- 72" high and low side charging hoses
- Burst resistant to 3,000 PSI
- Quick connect fittings allow easy movement between all makes of A/C service equipment

ASP75100



ASP75100

### Dual Automatic Recycle Guard®

ASP75112 Filter Replacement Kit



# Air Conditioning Service Tools

## A/C Recovery System and Accessories



### 30 lb DOT-Approved Recovery Cylinders

- Powder-coated cylinder for high gloss, durable finish
- Y-valve for liquid/vapor
- 3/4" NPT opening accepts 80% fill float switch shut-off device
- Collar design for ease of handling
- Reusable and conforms to DOT-4BA400 specifications and ARI guidelines
- Pre-charged cylinder provides a clean, dry interior
- Storage and transport of recovered refrigerant gases
- Valve and float switch UL listed
- AUS approved and TC Canadian approved

#### Specifications:

Connection: 1/2" ACME Size (w x h): 9.125" x 17.52"

Tare weight: 17.99 lb

Standard specification: DOT – 4BA400

Nominal water capacity: >26.2 lb 11.9 L

Service pressure: 400 PSI 2.7 MPa

Tank test pressure: 800 PSI 5.5 MPa

Relief valve pressure: 600 PSI 4.1 MPa

Air tightness pressure: 400 PSI 2.7 MPa

Body material: HP295

Color: Blue

- CA residents see page 365 for Proposition 65 warning. ⚠

**MSL67010**



**MSL67010**

### Twin Turbo Refrigerant Recovery Machine

- Revolutionary double piston oilless compressor
- Safety high pressure switch
- Simple internal structure for field service
- Largest volume recovery rate in market
- For use with all refrigerants including R410a
- Injection molded high density polyethylene case for maximum durability
- Front cover has bumper guards built-in to reduce damage to the control knobs

#### Specifications:

1/2 HP Oilless Compressor Recovery Rate:

- R134a
- Direct vapor up to .537 lb/min
- Direct liquid up to 4.72 lb/min
- Push pull up to 11.68 lb/min

Operating Temperature: 32—122 °F

Weight: 28.3 lb

Dimensions: 18 (l) x 10 (w) x 14" (h)

- CA residents see page 365 for Proposition 65 warning. ⚠

**MSL69360**

**MSL492646910** Yellow Hose with Manual Shut-off

**MSL69500DR** Replacement Filter Dryer

**MSL92708BTL** 8 oz Bottle with Dispensing Chamber for 1/4 oz and 1/2 oz/24-410 Cap

**MSL98721** 72" Blue Conversion Hose



**MSL69360**

## Couplers



### R1234YF 1/2" ACME-LH Thread Piercing Design Can Tap Valve

- 1/2" ACME-LH thread for use with R1234yf pierce designed cans
- Exclusive "full grip" valve knob
- All metal construction provides durability
- Gasket assures leak proof operation
- Built-in safety check
- Meets SAE J2844

**MSL85510-YF**



**MSL85510-YF**

### R1234YF 1/2" ACME-LH Thread Self-Sealing Design Can Tap Valve

- 1/2" ACME-LH thread for use with R1234yf self-sealing/reusable designed cans
- Exclusive "full grip" valve knob
- All metal construction provides durability
- Gasket assures leak proof operation
- Built-in safety check
- Meets SAE J2844

**MSL85512-YF**



**MSL85512-YF**



**MSL85525-YF**

### R1234yf Piercing Design Recharge Kit

- Charge A/C systems using R1234yf pierce designed cans

**MSL85525-YF**



**MSL85535-YF**

### R1234yf Self-Sealing Design Recharge Kit

- Charge A/C systems using R1234yf self-sealing/reusable designed cans

**MSL85535-YF**



**MSL98370**

### Economy Coupler Set

- For R134a and R12

#### Includes:

1 Hi-side coupler

1 Lo-side coupler

1-1/4" male fl x 1/2 female ACME adaptor

- CA residents see page 365 for Proposition 65 warning. ⚠

**MSL98370**

# Air Conditioning Service Tools

## Hose and Hose Clamp Tools



ASP90003

### High-Side Service Port Extender

- High-side A/C service port extender tool with threaded adaptor can be used with threaded or quick connect couplers to connect to either a threaded or quick connect A/C service fitting
- Fits standard or deep-seated High Side A/C service ports
- Allows for easy access with less vehicle component removal
- Slim design and lightweight material make it easy to fit and handle under the hood

ASP90003



HRR244TNZ

### 4 pc Heater Hose Disconnect Set

- Thicker than most hose disconnect tools and will not get hung up or break the connector
- 40° offset designed for jobs up against the firewall or in tight spaces
- Low profile design performs better than similar tools with handles that get in the way
- Set of four will cover all your quick-connect hose needs

HRR244TNZ



HRRTNZHEAT

### Heater Hose Tools

- Completely fills the cavity and fastener is released
- 40° offset built-in to help you work around obstructions

### HRRTNZHEAT Combo Kit

HRRTNZ240 Ford® Vehicle Tool Only

HRRTNZ241 GM® Vehicle Tool Only



### Hose Clamp Pliers

- Improved strength
- Easier to use locking feature
- Dual dipped grip for comfort and force
- For Corbin (wire) style hose clamps and flat ear style hose clamps
- Trap and hold clamp and swivel for multiple angle access

KDT3977 Angled



KDT3977

### Hose Clamp Vise

- Relieve clamp spring pressure in very tight spots
- Vise is often left in place, with the clamp compressed, during service
- Ramp on jaws guides tab of clamp into correct position and traps it in the slot for safety
- Tighten knurled knob by hand or use 1/4" drive ratchet

LIL44500 Small – 3" L and Opens to 1-1/2"

LIL44480 3-5/8" L and Opens to 2-1/8"



LIL44500

LIL44480

### 90° Lock Grip Hose Clamp Pliers

- Forged clamp works on all types of clamps, including today's heavy-duty clamps used on Ford® vehicles
- Works on spring clamps ranging from 3/4–2–3/4"
- The patented ratcheting feature provides users with infinite locking positions
- Fine adjustment of locking lever prevents damage to plastic hose clamps
- Double hinged locking mechanism adds leverage for less fatigue
- Heavy-duty construction avoids the need for cables and repair kits
- Industrial black finish

MHW28620



MHW28620

### CLIC® Hose Clamp Pliers

- Used for mounting and removal of Caillau® Clic®/Clic R®/Clic E™ clamps
- The shape of the arms is designed to make gripping easier
- Spring mechanism makes it possible to open pliers systematically after tightening the Clic® clamp
- Uses include automobile engines, venting fuel tank, air filter, steering, etc.
- Other uses include household appliances and spare parts

MHW28665



MHW28665

### New Rigidflex® "Positionable" Cable Operated Hose Clamp Pliers

MHW28634 Rigidflex® Repair Kit

MHW28651 Replacement Cable



MHW28634

### Hose Clamp Pliers with Extended Jaws

- Extended jaws reach further and service larger clamps
- Vinyl handles assure grip
- Jaws swivel through 360°
- Deep slots in jaws hold clamps securely
- "Finger-tip" locking pawl

SET860L

SET860L45 45° Bend



SET860L

## Hybrid Vehicles

### A/C ChargeGuard

- Eliminates electrical damage due to PAG oil entering electric compressors (hybrid vehicles)
- Allows you to service hybrid vehicles with existing A/C service equipment
- Exceeds SAE contaminant protection requirements for electric compressors
- Works with A/C service equipment that charges from the high side, low side or both
- Includes hoses and fittings for all standard A/C service equipment connectors

ASP72161

ASP72162 A/C ChargeGuard Replacement Filter (2 pk)

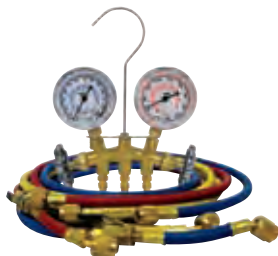


ASP72161



# Air Conditioning Service Tools

## Manifold Sets

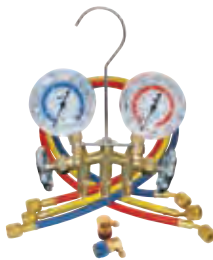


**MSL32661**

### Two Way Brass Manifold Gauge Set

- CA residents see page 365 for Proposition 65 warning. ⚠

**MSL32661** R12 Brass Manifold



**MSL66660**

### Brass Manifold Gauge Set with Hoses for R134a

- (1) 2-1/2" gauge
- (1) 60" conversion hose
- (2) 36" hoses with high-side couplers
- CA residents see page 365 for Proposition 65 warning. ⚠

**MSL66660**



**MSL89660**

### Professional R134a Manifold Set

- Solid aluminum block with built-in sight glass
- Silicone dampened gauges
- Set of 60" SAE approved nylon barrier hoses
- Professional R134a quick couplers
- Comes in a rugged, molded box
- CA residents see page 365 for Proposition 65 warning. ⚠

**MSL89660**

## Refrigerant Identifier

### A/C Refrigerant Identifier

- Blend-ID indicates the presence of EPA SNAP approved blend refrigerants
- Industry acceptable levels of refrigerant purity are automatically determined for refrigerants R12 and R134a by the instrument to eliminate human error
- Optional built-in printer for easy service billing and Customer Confidence Receipt
- Powered by 12 V DC or an optional rechargeable battery for ultimate portability
- Instrument is supplied complete with R12 and R134a sample hoses, an R134a adaptor fitting to permit sampling of ACME ported cylinders, 12 V DC battery clips and all required plumbing
- All contents are housed within a rugged portable case

**NEURI2004DXB**



**NEURI2004DXB**



### Neutronics Refrigerant Analysis

**NEU626001184** 1234YF Spare Flow Restrictor with Hose

**NEU626001320** 134A Spare Flow Restrictor with Hose



**NEU708123430**

### RMS

#### Legend Refrigerant Analyzer w/ Built in Printer (no Bluetooth®)

- Suitable for R-134a, R-1234yf and R-12 Vehicles
- Operates in 1 of 10 Languages
- Internal Lithium Rechargeable Battery
- SAE J2912 Approved
- 5" Color Display
- Built in Printer using Standard Paper
- USB Communication to SAE Approved J2943 or J3030 A/C Service Machines

**NEU708123430**



**NEU708123432**

### RMS

#### Legend Refrigerant Analyzer w/ Built in Printer and Bluetooth®

- Suitable for R-134a, R-1234yf and R-12 Vehicles
- Operates in 1 of 10 Languages
- Internal Lithium Rechargeable Battery
- SAE J2912 Approved
- 5" Color Display
- Built in Printer using Standard Paper
- Bluetooth Communication to SAE Approved J2943 or J3030 A/C Service Machines

**NEU708123432**



**ROB16009**

### DiscovR® Refrigerant Identifier

- Know whether or not the R134a refrigerant is acceptable before servicing the vehicle
- Guard against costly recovery equipment repairs
- Contaminated refrigerant can wreak havoc on any R134a recovery, recycle and recharge machine
- Uncover hard-to-find air contamination
- Notifies user when the system contains excessive air
- Fast and accurate – "Pass" and "Fail" lights clearly show if refrigerant is pure enough to be recovered

**ROB16009**

## Air Vacuum



ATI560MF18

- Mina-Vac Air Vacuum with 18" Clear Flex Hose**
- Powerful 1 pc aluminum vacuum that pulls up to 6" of mercury with a 18" clear flex hose
  - Removes objects such as sheet fasteners up to 3/4" diameter

ATI560MF18

## Aircraft Cable Swaging



ATI520CS-5

### Swaging Die 5/32" Cable Diameter

- Swages MS21259-5, MS20667-5, MS20668-5, MS21260-5 and Boeing stop terminal BACT14A-4 to cable
- Packaged as a matched pair

ATI520CS-5



ATI520J

### Portable Cable Swager

- Lightweight unit is designed to precision-swage cable terminals
- Can be used as a bench unit when mounted on the shock-absorbing base, or taken directly to the scene of operation
- Dies must be ordered separately

#### Includes:

Base plate, air hose and foot control

ATI520J

## Countersinks



### 4 pc Countersink Sets, Integral Pilot – Three Flute

- 7/16" diameter, 3 flute, 100° with integral pilots 3/32", 1/8", 5/32" and 3/16"
- Anodized aluminum threaded holder

ATI420D-4PC

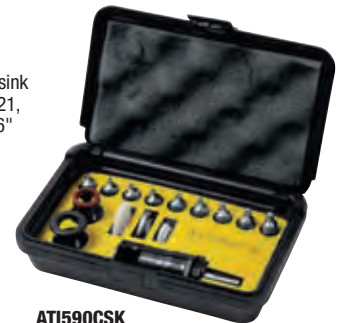


ATI420D-4PC

### Microstop/Countersink Cutter Kit

**Includes:** (9) 1/2" diameter 100° countersink cutters, with integral pilots of #40, #30, #21, #10, 3/32", 1/8", 5/32", 3/16" and 1/4", 6" pc and a .001" adjustable microstop with 5/16" travel

ATI590CSK



ATI590CSK

## Cut-Off Tools



### Angle Cut-Off Tools

- Heavy duty spiral bevel gearing for durability and smooth operation
- 4-position indexable angle head
- 360° rotatable guard
- Grease zerk in gear case
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)



SC010A125

**SC010A106** 6" Blade Diameter, 10,000 RPM, Rear Exhaust

**SC010A125** 5" Blade Diameter, 12,000 RPM, Rear Exhaust

### Signature Series Cut-off Saw

- 25,000 RPM
- Front exhaust

#### SC010S253F

**SC010S204F** 4" Blade Diameter, 20,000 RPM, Front Exhaust

**SC010S204R** 4" Blade Diameter, 20,000 RPM, Rear Exhaust



SC010S253F

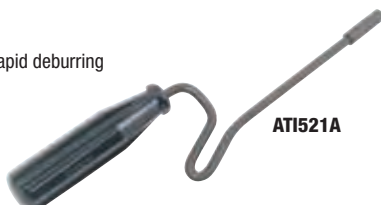
## Deburring



### Deburring Speed Driver

- Swivel handle allows for rapid deburring of drilled holes

ATI521A



ATI521A

### Deburring Cutter

- Use in ATI521A
- 100° cutting angle
- 3/8" body diameter; 3/4" tip length, 7/8" shank length, 7/32" shank diameter

ATI521C



ATI521C

## Drills

### "D" Handle Drill

- Trigger start
- Side exhaust
- Support handle included
- Swivel air inlet
- 1/2" chuck capacity
- 375 free speed

**DR1467** "D" Handle Drill



### Signature Series Drills

- Ease of maintenance
- Trigger start
- Comfort grip
- Reversible and non-reversible

**SDR10P26N3** 1 HP, Non-reversible – 2,600 RPM

**SDR10P7R4** 1 HP, Reversible – 700 RPM

**SDR6P26N3** .60 HP, Non-reversible – 2,600 RPM



### Miniature Angle Drills

- Non-reversible
- Lever start

#### 45° Angle Head

**1AM1541** .33 HP, 1/4"-28 Internal Thread – 2,800 RPM

#### 90° Angle Head

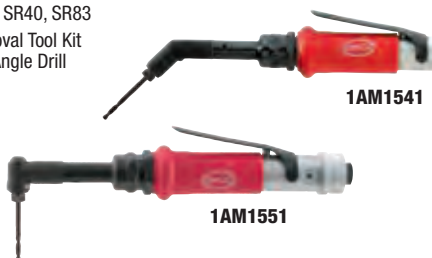
**1AM1551** .33 HP, 1/4"-28 Internal Thread – 2,800 RPM

Also Available: 1AM1141-51K, SR40, SR83

**1AM1141-51K** Sealant Removal Tool Kit (Includes: 1AM1551 and 45° Angle Drill Head Assembly)

**SR40** Case 3SR Cutter 40 pc

**SR83** Case 8SR Cutter 40 pc



## Grinders



**SAG03S20**

### Right Angle Die Grinder

- Lock-off lever
- Built-in speed control
- .33 hp
- 20,000 RPM
- Rear Exhaust

**SAG03S20**



**SDG03S25**

### Straight Die Grinder

- Lock-off lever
- Built-in speed control
- .33 HP
- 25,000 RPM
- Rear exhaust

**SDG03S25**



**SWG10AX1245**

### Right Angle Wheel Grinder

- Full 1 HP, 5-vane air motor maintains power under load
- Ergonomic comfort grip
- Ball bearing construction
- Teasing throttle for maximum control
- 360° rotatable guard
- 4-position indexable angle head
- Lever throttle with lock-off
- Grease zerk in gear case
- 12,000 RPM, 4.5" wheel capacity, rear exhaust

**SWG10AX1245**

## Hi-Lok® Installation/Removal Tools



**ATI2979U**

### Hi-Lok® Fastener Removal Pliers

- Serrated-jaw pattern for removal of all aluminum Hi-Lok® fasteners
- Comfort grip handles

**ATI2979U**

## Hi-Lok® Wrenches



**ATI3539IT38**

### Hi-Lok® Roller Clutch Wrench, Dedicated 3/8" hex

- 3" handle length (zero backlash) roller clutch wrench
- Designed for maximum socket rotation with minimum handle movement
- Used for fastener installation in confined spaces

**ATI3539IT38**



**ATISK3539L**

### Hi-Lok® 1/4" Square Drive Roller Clutch Wrench

- Used for fastener installation in confined spaces
- 1/4" drive, 6" handle length (zero backlash)
- Designed for maximum socket rotation with minimum handle movement
- Use with any standard 1/4" drive socket

**ATISK3539L**



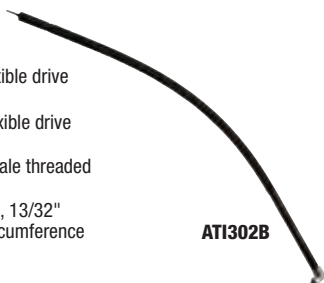


## Hole Preparation

### 30" Flexible Drive, 90° Head

- Sealed bearings, maintenance-free flexible drive
- Drill capacity 5/16", 1-to-1 drive ratio
- 36-1/2" overall length includes 30" flexible drive plus 6-1/2" hand grip and 90° head
- 1/4" diameter input shaft, 1/4"-28 female threaded output head
- 1-5/8" head height, 13/16" head width, 13/32" centerline of output shaft to outside circumference of head

ATI302B



### Angled Drill Attachments

- 7-Straight Drive, 90° Head
- Sealed bearings, maintenance-free straight drive
- 3/16" drill capacity, 1-to-1 drive ratio
- 7" overall length includes 90° angled head
- 1/4" diameter input shaft, 1/4"-28 female threaded output head
- 27/32" head height, 17/32" head width, 17/64" centerline of output shaft to outside circumference of head

ATI326B



### 7-1/8" Straight Drive, 90° Head

- Sealed bearings, straight drive drill attachment
- 3/8" drill capacity, 1.5-to-1 drive ratio
- 7-1/8" overall length includes 90° angle head
- 1/4" diameter input shaft, 3-jaw adjustable
- 1/4" capacity drill chuck, 1-9/16" head height
- 15/16" head width, 15/32" centerline of drill chuck to outside circumference of head

ATI336A



### Hole Saw, Course Tooth

- 1-11/16" cutting diameter
- 1/2"-20 threaded arbor hole
- Used for fast and effective cutting of aluminum and steel

ATI474-22



ATI474-22

### Countersink, Replaceable Pilot – 2 Flute

- 5/8" body diameter, .086" pilot hole, 2 flute
- 100° cutting angle with 1/4"-28 threaded male shank
- Use with 1/4" threaded microstop

ATI455G-4



ATI455G-4

### Strap Duplicator, Punch Type #30 Pilot

- 6-1/4" working length
- Made from high-grade spring steel
- Center punches sheet from hidden pilot hole

ATI500-52



ATI500-52

### Flat Head, Gear Drive – Straight Offset

- Machined steel housing
- Recommended drill capacity 1/4", 1-to-1 drive ratio
- 4-3/8" overall length, 15/16" width, 5-1/16" overall height
- 19/64" thick gear drive body, 3-33/64" centerline distance from input shaft to output shaft
- 27/64" from centerline of output shaft to end of housing
- 1/4" diameter input shaft, 1/4"-28 female threaded output

ATI313B



ATI313B

### Angled Drill Attachments Flat Head, Gear Drive – Straight Offset

- Machined aluminum housing
- 1/4" drill capacity, 1-to-1 drive ratio
- 3-3/16" overall length, 15/16" width, 2-5/16" overall height
- 1/2" thick gear drive body, 2-7/16" centerline distance from input shaft to output shaft
- 1-1/32" from centerline of output shaft to end of housing
- 1/4" diameter input shaft, #10-32 female threaded output

ATI332A



ATI332A

### Drill Chuck, 3 Jaw

- 1/16"-1/4"
- Use with angle drills with 1/4"-28 threaded spindles
- Allows the use of straight shank tools

ATI339EC



ATI339EC

### Countersink Integral Pilot – 2 Flute

- 1/2" body diameter, #10 integrated pilot, 2 flute
- 100° cutting angle with 1/4"-28 threaded male shank
- Used with 1/4"-20 threaded microstop

ATI445E410



ATI445E410

### Microstop .001" Adjustment – Straight Skirt

- Accepts up to 5/8" countersink cutter diameter using 1/4"-28 male threaded shank
- Utilizes needle bearings
- 5/16" shaft travel, left-handed hex locknut
- 1/4" shaft, straight skirt and a thrust ball bearing for longevity

ATI488C-21



ATI488C-21

### Drill Collet Adaptor – 1/4"

- 1/4"-28 threaded shank
- Drill is securely held by tightening collect cap to base
- Used with angle and pancake drills

ATI503C-1/4



ATI503C-1/4

## Hole Preparation

### Nut Plate Drill Jig, 2-Lug Type

- Double-wing standard
- High-strength spring steel connects the 0-1 hardened head to the aluminum knurled handle
- #40 bolt size, 10" overall length

ATI518C



ATI518C

### Strap Duplicator, Bushing Type, #40 Pilot/ #40 Bushing

- 6-1/4" working length
- Made from high-grade spring steel
- Bushing type for drilling duplicate holes in overlapping sheets

ATI532-61



ATI532-61

## Impact Drivers

### 1/4" (6 mm) Impact Driver

- High power-to-weight ratio
- High-impact rate of 5,000 blows per minute
- Working torque range: 10–55 ft-lb
- Extended life through bearing design
- Smooth impacting that creates minimal torque reaction
- Includes rubber boot for hammer case

ID375AP-2Q



ID375AP-2Q

### 3/8" (10 mm) Impact Wrench

- High power-to-weight ratio
- High-impact rate of 5,000 blows per minute
- Working torque range up to 95 ft-lb
- Extended life through bearing design
- Smooth impacting that creates minimal torque reaction
- Includes rubber boot for hammer case

IW375AP-3F 3/8" Friction Ring Anvil

IW375AP-3P 3/8" Pinned Anvil



IW375AP-3P

## Pliers

### Cannon Plug Pliers with Grips

- Slip joint handles and serrated replaceable plastic jaws
- Makes installation and removal of electronic connectors easier and safer

ATI508KG



ATI508KG

### Sheet Holder Pliers

- Slip joint handles and serrated replaceable plastic jaws
- Makes installation and removal of electronic connectors easier and safer

ATI508SG



ATI508SG

## Rivet and Knock-out Punches

### Cupped Rivet Set, 1/2" Body

- Straight drive, 401 shank
- 7-1/2" L for installing 1/8" AN470 rivet

ATI100A71/8



ATI100A71/8

### Flush Rivet

- Straight drive 401 shank, 3-1/2" L for installing flush rivets

ATI100AF-3A



ATI100AF-3A

### Offset 1/2" Body Cupped Rivet

- Offset drive, 401 shank
- 5-1/2" L for installing 3/16" AN470 rivet

ATI101A53/16



ATI101A53/16

### Double Offset Cupped Rivet

- 3/8" double offset, 401 shank
- 5-3/4" L for installing 3/16" AN470 rivet

ATI105A-3/16



ATI105A-3/16

### Straight Flush

- 401 shank, 2-3/4" L
- 1" diameter face for installing flush rivets

ATI107A-1



ATI107A-1

### Flush Rivet

- Anti-slip edge
- 401 shank, 2-1/2" L, 1" diameter face
- Rubber guard added to prevent slipping and damage to skin surface

ATI110CB



ATI110CB

### Knock-out Punch

- 401 shank diameter
- 3/32" rivet size, 3-1/2" overall length

ATI140A-3



ATI140A-3

## Rivet Cutter

### Rivet Cutter

- 3/32–1/4" standard handles
- Adjustable guide maintains rivet-cutting length

ATI501R



ATI501R

## Rivet Guns

### Pistol Grip Rivet Gun

- Excellent teasing trigger for precise control and upset uniformity
- Beehive-style retaining spring and air flow control valve are included
- Most parts are interchangeable with Chicago Pneumatic® "X" series rivet guns
- Capacity 3/16" rivet, 401 shank diameter, 2,160 BPM, 6-1/2" L, 3 lb

**ATIATC3X**



### Rivet Gun Kit

#### Includes:

Essentials for straight and offset riveting  
Four commonly used bucking bars, eight cupped sets for 3/32, 1/8, 5/32 and 3/16" AN470 universal head rivets, three flush sets for AN426 rivets, two retainer springs, air regulator and durable case

**ATI590RGK-4X**



**ATI590RGK-4X**

## Rivet Squeezers

### Rivet Squeezer Kit

- For installing AN470 and AN426 rivets

#### Includes:

(23) cupped and (10) flush rivet squeezer set, 3/16" shank

**ATI108A33PC**

**ATI108A33PC**



**ATI108AN5/32**

### Rivet Squeezer – Cupped

- 3/16" shank diameter
- 1/2" body diameter
- 1/8" body length for installing 5/32" AN470 cupped rivets

**ATI108AN5/32**



**ATI109AR**

### Rivet Squeezer – Flush

- 3/16" shank diameter
- 1/2" body diameter
- 3/8" body length for installing AN426 flush rivets

**ATI109AR**



**ATI502AHE**

### 360° Hand Rivet Squeezer, 3" Reach

- 360° yoke locks in any position
- 3/8" stroke and 5/8" ram length adjustment
- Eliminates the necessity of shims
- Uses standard 3/16" shank tools

**ATI502AHE**



**ATI502TH11/2**

### 1/2" Tex Hand Squeezer, 1-1/2" Yoke

- High-quality stainless steel adjustable ram, rivet squeezer

**ATI502TH11/2**

## Riveting Hammers/Shavers

### Rivet Hammer

- Pistol grip
- Teasing throttle trigger start
- Accepts .401 parker taper rivet sets and chisels
- Rivet capacity: 3/16", 4.8 mm
- 2,000 blow per minute
- Air consumption: 8.0 CFM

### Replacement Parts:

2229, 2230B, 2231, 2232, 2233, 2234B, 2235, 2236, 2237B, 2238, 2239, 2240, 2241B, 2242B, 2243B, 2244, 2246 and 2247

**270A** 3" Stroke

**270A-2** 2" Stroke

**270A-4** 4" Stroke

**2229** 1/8" Button Head

**2230B** 5/32" Button Head

**2231** 3/16" Button Head

**2232** 3/32" Button Head

**2233** 1/8" Round Head

**2234B** 5/32" Round Head

**2235** 3/16" Round Head

**2236** 3/32" Brazier Head

**2237B** 1/8" Brazier Head

**2238** 5/32" Brazier Head

**2239** 3/16" Brazier Head

**2241B** 1/8" Universal Head

**2243B** 3/16" Universal Head

**2244** 1/4" Button Head

**2246** 1/4" Universal Head

**2247** 1/4" Universal Head



**270A**

## Riveting Hammers/Shavers

### Signature Series Rivet Shaver

- Powerful 1 HP, 5-vane motor
- Ball bearing construction
- Micro adjustment
- Spring-loaded removable stabilizer
- Pistol grip
- 1/4"-28 internal thread
- 21,000 RPM

### Replacement Parts:

2925-5, 2925-6, 2925-7, 2925-8B, 2925-9, 2925-10

### SRS10P21-8

SRS10P21-5 5/16" Skirt

SRS10P21-6 3/18" Skirt

SRS10P21-7 7/16" Skirt

SRS10P21-9 9/16" Skirt

SRS10P21-10 5/8" Skirt

2925-5 5/16" Skirt Cutter

2925-6 3/8" Skirt Cutter

2925-7 7/16" Skirt Cutter

2925-8B 1/2" Skirt Cutter

2925-9 9/16" Skirt Cutter

2925-10 5/8" Skirt Cutter



SRS10P21-8

## Screw Removal

### Screw Removal Tool

- 9" L, 3/8" square drive
- .401 shank diameter
- Use with 5-1/4" hex bit adaptor

ATI540



## Shears

### Signature Series Shears

- Ease of maintenance
- Ergonomic to reduce hand fatigue
- 1 HP
- Maximum air consumption 30 CFM
- Capacity 18 gal

### Replacement Parts:

SP54499, SP54500, SP54501

### SSH10P18

SP54499 Blade, Center

SP54500 Blade, Left

SP54501 Blade, Right



SSH10P18

## Sheet Metal Kit

### Sheet Metal Mechanics Kit

#### Includes:

3x Rivet Gun (Sioux® Brand); 1/4" 2,600 RPM Drill (Sioux® Brand); 3-1/2" Cupped Rivet Sets – 3/32", 1/8", 5/32", 3/16"; 3-1/2" Flush Rivet Set 1-1/4"; Integral Pilot Countersink Cutters #10, #20, #30, #40; Microstop, Hand Rivet Cutter, Sheet Holder Pliers, Spring Tension Clamps, Sheet Holders (12 each) 3/32", 1/8", 5/32", 3/16"; Drill Stops #10, #20, #30, #40, Bucking Bar, Drill Bits #10, #21, #30, #40, 1/8", 3/16", 3/32", 5/32"; Retainer Spring Quick Change

ATI590SMKSP1

ATI590SMKSP1



## Skin Clamp Remover

### Signature Series Skin Clamp Runner

- Conveniently located reverse
- Teasing throttle
- 2,500 RPM
- Ergonomic design
- Ease of maintenance

SSR6P25



SSR6P25

## Valve Core Tool

### Valve Core Removal Tool

- Rapid and safe tire deflation
- Machined aluminum tool threads onto the valve stem
- Releases and traps the valve core within the tool and exhausts the air through ports

ATISK3614



ATISK3614



## Battery Testers

### Battery Load Tester

- True 100A fixed load tester
- Test 6 V and 12 V batteries
- 10 second test
- Copper plated clamps
- Instructions on back label

EZRB1100

EZRB1100



**KENT-MOORE**

### Parasitic Draw Test Switch

- Designed to quickly identify a slight drain on the battery caused by vehicle computer control modules
- Used for measuring battery parasitic current draw
- Use with EEDM596FK Multimeter

Applicable:

All GM® vehicle models

KTMJ38758



KTMJ38758

### Infrared Printer

- MOTEX P series testers drop XL
- Quick and effective way to produce a record of testing results
- IrDA (infrared) and RS232 (serial) capable
- Standard 58 mm paper roll compatible
- High speed, high resolution print function

MDTA087



MDTA087

### Battery Analyzer

- MDX-600 series analyzer with MDX-640 software (installed)
- 4" removable leads
- Tests 6 V and 12 V batteries from 100–2,000 CCA
- Print capability, sold separately
- Test by: CCA, CA, MCA, JIS, DIN, EN, IEC and SAE
- Languages: English, French Canadian, Spanish and Portuguese

Applicable:

Auto/light truck, commercial group 31 and 4D/8D, power-sports, lawn and garden and marine including AGM

MDTMDX640



MDTMDX640

### Battery/Electrical System Analyzer

- MDX-600 series analyzer with MDX-650 software (installed)
- 10' removable cable and tool bag case
- Tests 6 V and 12 V batteries from 100–2,000 CCA
- Tests 12 V and 24 V starting and charging systems
- Test by: CCA, CA, MCA, JIS, DIN, EN, IEC and SAE
- Languages: English, French Canadian, Spanish and Portuguese
- Print capability – order MDTA087 IR printer separately

Applicable:

Auto/light truck, commercial group 31 and 4D/8D, power-sports, lawn and garden and marine including AGM

MDTMDX650

MDTMDX650P with Printer



MDTMDX650

MDTMDX650P

### Battery Conductance Tester

- Proven conductive technology and test algorithms required for warranty testing at automotive dealers around the world
- Accurate battery test decision in seconds
- No user interpretation of a meter required
- Tests discharged batteries, no need to charge before testing
- Voltmeter mode for testing both the starter and charging system

MDTPBT100



MDTPBT100

### Battery/Electrical System Analyzer

- Tests 12 V automotive batteries from 100–1,400 CCA
- Displays voltage, measures CCA, and color LED for battery condition
- Voltmeter mode plus color LED for starter/alternator condition

MDTPBT300



MDTPBT300

### Powersports Battery Tester

- Accurate battery test decision in seconds; no user interpretation of a meter required
- Simple reference number-based testing eliminates time wasted searching for battery rating
- Live voltmeter mode for estimating starter and the charging system output
- Tests discharged batteries; no need to charge before testing
- No heat or sparks to damage the unit or create technician risk

Specifications:

Operating range 2.3–30 Ah, 10–500 CCA, voltage range 8 V–19 V DC, operating temperature 0–120°F/-18–50°C

MDTPBT50A



MDTPBT50A

### Charg-Chek® Battery Tester

- Professional disc-type tester measures specific gravity
- Accurate down to -40°F
- Number of floating discs shows state of charge
- Specific gravity levels are printed on the see-through plastic body
- Neoprene dip tube



THX117

### Parasitic Battery Drain Adaptor

- Test current drain caused by control modules, computers or other solid-state devices
- Attaches in-line to negative battery terminal
- Current drain is read by connecting amp meter across tester
- Eliminates shotgun method of replacing suspected components

THX431



THX431

# Battery/Charging/Starting

## Carriers



**EZRS530**

### “Gripper” Battery Lifter

- Multiple ply rubber strap handle
- Fits virtually all car batteries
- Works with group 65 batteries

**EZRS530**



**LIL57850**

### Battery Carrier

- Lift and carry batteries safely
- Sturdy steel jaws securely hold batteries
- Spring-action handle turns lifting power into battery gripping pressure
- Form-fitting handle provides a solid gripping surface for your hand
- Carrier works on nearly all batteries, from motorcycles to boats
- Saw-tooth jaw tips provide no-slip battery gripping power

**LIL57850**

## Chargers

**NOCO**



**NUCNUSB211NA**

### 10W AC USB Charger

- 10W portable USB charger
- UL Listed, safe and energy efficient
- Safely recharge your Genius Boost UltraSafe® lithium-ion jump starter
- Recharge an iPhone®, iPad®, iWatch®, Beats® Headphones, GoPro® and more
- Charge your NOCO Boost® devices with any outlet in your home, workshop or office

**NUCNUSB211NA**

## Engine Starter

**NOCO**



**NOCOGB50**

### Lithium Jump Starter XL 12 V

- Compact, yet powerful lithium jump starter rated at 1,500 peak amps up to 30 jump starts on a single charge
- Spark-proof connections and reverse polarity protection
- An ultra-safe and mistake-proof design with spark-proof technology and reverse polarity protection, which allows it to safely connect to any battery
- An ultra-bright 200 lumen LED flashlight with 7 light modes including SOS and emergency strobe
- Recharge your personal devices on the go, like smartphones, tablets, e-watches and more - up to 6 smartphone recharges
- Designed for gas engines up to 7 liters and diesel engines up to 4.5 liters for small diesel cars, SUVs, boats, trucks, ATVs, motorcycles and more
- New Feature: Hot and Cold LED indicators of the internal battery operating temperatures to protect your batteries and devices
- New Accessory: Includes HD Precision Boost Battery Clamps designed to easily connect to any 12 V lead-acid battery from powersports to trucks
- **Note: Peak Amps is measured in a millisecond**
- CA residents see page 365 for Proposition 65 warning. ⚠

**NOCOGB50**

### Lithium Jump Starter MAX 12/24 V

- Compact, yet powerful 12V and 24V lithium jump starter rated at 20,000 Peak Amps (10,000 Peak Amps in 24V)
- Patented safety protection with spark-proof technology and reverse polarity protection that allows it to connect to any battery safely
- Enjoy portable 12-volt power from anywhere, including tire pumps, inverters, lights, appliances and more
- A high-intensity 2,200 lumen LED worklight with 7 light modes, including SOS and Emergency Strobe
- Dual USB ports to recharge multiple devices on the go, like smartphones, tablets and more - over 20 smartphone recharges



**NOCOGB70**

### Lithium Jump Starter HD 12 V

- Compact, yet powerful lithium jump starter rated at 2,000 peak amps up to 40 jump starts on a single charge
- An ultra-safe and mistake-proof design with spark-proof technology and reverse polarity protection, which allows it to safely connect to any battery
- An ultra-bright 400 lumen LED flashlight with 7 light modes including SOS and emergency strobe
- Recharge your personal devices on the go, like smartphones, tablets, e-watches and more
- Designed for gas engines up to 8 liters and diesel engines up to 6 liters for diesel cars, SUVs, boats, trucks, ATVs, motorcycles and more
- Power 12 V devices anywhere, like tire inflators, power inverters, and more
- **Note: Peak Amps is measured in a millisecond**
- CA residents see page 365 for Proposition 65 warning. ⚠

**NOCOGB70**



**NOCOGB500**

- Designed for both gas and diesel engines up to Class 8+/-CE high-displacement vehicles, equipment, trucks and more
- Designed for both gas and diesel engines up to Class 8+/-CE high-displacement vehicles, equipment, trucks and more.
- **Note: Peak Amps is measured in a millisecond**
- CA residents see page 365 for Proposition 65 warning. ⚠

**NOCOGB500**



**NOCOGB150**

### Lithium Jump Starter PRO 12 V

- Compact, yet powerful lithium jump starter rated at 4,000 peak amps up to 80 jump starts on a single charge
- An ultra-safe and mistake-proof design with spark-proof technology and reverse polarity protection, which allows it to safely connect to any battery
- An ultra-bright 500 lumen LED flashlight with 7 light modes including SOS and emergency strobe
- Recharge your personal devices on the go, like smartphones, tablets, e-watches and more
- Designed for gas engines up to 10 liters and diesel engines up to 10 liters for diesel cars, SUVs, boats, trucks, ATVs, motorcycles and more
- Power 12 V devices anywhere, like tire inflators, power inverters, and more
- **Note: Peak Amps is measured in a millisecond**
- CA residents see page 365 for Proposition 65 warning. ⚠

**NOCOGB150**



**NOCXGC4**

### 56W XGC Power Adaptor

- A 56 W power adaptor for rapidly recharging NOCO Genius Boost® Ultra Safe® Lithium Jump Starters
- Charges five times faster than using a traditional 2 A USB wall or car chargers
- Compatible with NOCO Genius Boost® Ultra Safe® Lithium Jump Starter models GB70, GB150, & GB500
- A high-frequency, high-efficiency power supply engineered for efficient energy transfer
- Includes a 56 W power adapter, plus cord sets for Australia, Europe, North America, and United Kingdom

**NOCXGC4**

## Engine Starter

**JUMP  
N' Carry**

### Jump-N-Carry® 4000

- 325CA
- High performance Clore Proformer battery
- 12 V DC power
- Built-in automatic charger
- Battery status gauge
- 23" #2 gauge cable
- Red, heavy-duty ABS case
- Uses regular extension cord (not included)

- Includes 12 V extension cord (male to male)
- "Product for Life" service coupon** A one-time repair service on 4000 unit after the warranty period for a low fixed fee. See coupon for complete details.

**KKJ990056**

**KKJ310241** 120 V Power Cord

**KKJ410700** Replacement 12 V Extension Cord (male to male)



**KKJ990056**

## Fillers

### Battery Filler

- Acid-resistant polyethylene
- Automatic shut-off that prevents overflowing
- Double action valve tip prevents after drips
- 2-1/4 quart capacity

**EZRB901**



**EZRB901**



**EZ RED**  
Innovative products since 1986

## Terminal Adaptors

### Bent Tooth Power Post Cleaner

- Clean and polish entire battery post
- Lasts for up to 1000 battery posts
- 400-800 RPM is strongly recommended
- 18 mm post size

**EZR505BTSHQD**

**EZ RED**  
Innovative products since 1986



**EZR505BTSHQD**

### S/T and Group 31 Brush

- Center hole accommodates the threaded stud
- Outer brushes clean contact area

**EZR506COSHQD**

**EZ RED**  
Innovative products since 1986

### Side Terminal Buffer

- Cleans side terminals
- Removes corrosion from a variety of surfaces
- Stainless steel shaft

**EZR509SSHQD**

**EZ RED**  
Innovative products since 1986



**EZR509SSHQD**

### 3/4" Power battery cable end brush

- Quick disconnect
- Use with pneumatic or any type of drill
- Clean top terminal cable ends

**EZRBK534QD**

**EZ RED**  
Innovative products since 1986



**EZRBK534QD**

### Side Terminal Charge and Boost Adaptors

- Nickel-plated steel adaptors snap on to terminals
- No need to remove cables
- Fits all OEM replacement terminals
- 500A capacity

**THX311**

**THEXTON**



**THX311**

# Body and Spray Paint Equipment and Supplies

## Air Hydraulic Foot Pumps

### Air Hydraulic Foot Pumps

- High strength aluminum reservoir is light weight and corrosion resistant
- Suggested air pressure 110–175 PSI
- Pressure relief valve for overload protection
- Three positions provide cylinder advance, hold or retract operation
- Air exhaust muffler for quieter operation

Model Number	Usable Oil Capacity (in <sup>3</sup> )	Out Flow Rate (in <sup>3</sup> /min.)		G.W. (lb w/fluid)
		No Load	Load	
<b>BLK65425</b>	91.5	66.0	11.00	18
<b>BLK65426</b>	36.6	61.0	9.00	15
<b>BLK65427</b>	122.0	65.0	12.00	20



**BLK65425**



**BLK65426**



**BLK65427**

## Airbag Tools

### Air Bag Removal Tool

- Used on Chrysler®, Dodge® and Jeep® vehicles

**LIL56200**



**LIL56200**



## Airbrushes

### Air Brush

- Universal workhorse airbrush
- Use with solvent and waterborne paints
- Can do fine detail and drop shadows

**AYSN9500**



**AYSN9500**

## Airbrushes

### Renegade "Spirit" Airbrush

- Internal mix, dual action airbrush
- Side feed design, can be used with either an attachable color cup or jar
- Tension-sense ultra responsive trigger stability control system with new spring material technology and stop-set accu-precision trigger set mode
- Exact taper fit, non-thread mic .21 mm paint tip with a 6° carbide polished needle point angle will produce a hair line to a 1" spray pattern
- Ideal for custom graphics and designs

**BGRR2S**



**BGRR2S**

#### Includes:

- BGR36-010** 1/8" Air Hose Adaptor
- BGRR-042** Spray Regulator
- BGRR-059** Spray Regulator with Protective Arm
- BGRR-081** Cap
- BGRR2-060** Attachable 1 oz Glass Jar
- BGRR2-061** with Metal Adaptor Cap



### Airbrush

- JSP99640** Cup with Lid 15cc
- JSP99645** Water Trap



**JSP99640**



**JSP99645**

## Anchor Pot

### Anchor Pot

- Arrange anchor pot in basic pattern or make additional bay installation
- Designed with heavy-duty protective ring at top which prevents chipping of concrete
- 3-1/8" diameter

**BLK93075**



**BLK93075**



## Antenna Sockets

### 4 pc Antenna Nut Socket Set

- Double-ended sockets fit eight common domestic and foreign antenna nuts
- Smaller three sockets are 7/8" hex and the larger socket is 1-1/4" hex
- Sockets are made of heat-treated alloy steel for strength
- New fourth socket fits some Nissan® and Toyota® vehicle applications
- Complete applications are listed on the card

**LIL29650**



**LIL29650**

#### Includes:

- LIL29600** No. 4 Antenna Nut Socket
- LIL29810** No. 1 Antenna Nut Socket
- LIL29820** No. 2 Antenna Nut Socket



## Body Molding

### 2 pc Molding Remover Set

- Quickly removes body moldings
- Two spring steel blades, 2" and 3-1/2", are included for all sizes of body moldings
- Use with the conventional handle, or for tough jobs, attach the pneumatic driver for use with an air hammer set at 40 PSI or less
- Replaceable blades flex to follow the body contour-

**LIL59250**

**LIL59300** 3-1/2" Blade

**LIL59310** 2" Blade



**LIL59250**

### EZ Strip II Molding Tool

- 3" non-marring blade and steel air hammer arbor to remove body side moldings
- Durable non-marring wedge design, made from polypropylene, removes moldings without damaging the molding or scratching paint surfaces
- Wedges can be trimmed to remove moldings embedded in body lines

**STK21542**



**STK21542**

### Easy Pry

- Removes bezels, moldings and dash emblems, interior door panels, plastic trim along with removal and installation of weather stripping without scratching painted surfaces
- Non-marring wedge design has a 1" blade with curved clip end
- Durable non-marring wedge made from polypropylene allows for easy removal and installation of weather stripping
- Works with BigEasy™ lockout kits for one-handed access to help with the insertion of the Easy Wedge on a locked car door
- Saves the technician up to 15 minutes of labor by easily removing and installing weather stripping along with other plastic components and not requiring the technician to refinish scratched surfaces

**STK21730**



**STK21730**



# Body and Spray Paint Equipment and Supplies

## Body Panel Drill Bits

### 10 pk 1/8" Stubby Body Panel Drill Bits

- Made of high speed steel
- Have 135° split points for fast drilling without center punching
- Double-ended bit can easily be flipped for a new cutting edge
- In a hang-up plastic display vial

**SAG1521010PK**



**SAG1521010PK**

## Body Panel Tools

### Parking Sensor Hole Punch

- Bumper perfect hole punch – no more drilling and sanding
- Perfect results for US and European parking sensors
- Perfectly punched holes
- Do bumpers in just minutes

**KTOART251**



**KTOART251**

## Body Panel Tools



**KTOART90AS**

### Universal Self-Centering Cones

- All cones are self-centering for accuracy
- (4) reverse cones for bolts and nuts up to 19 mm
- Machined aluminum for durability

**KTOART90AS**



**STK21710**

**Extended Clip Release Tool  
STK21710**



**STK21715**

### Retainer Clip Release Tool

- Quickly remove fender flares and rocker moldings without breaking any clips
- Slides between molding and panel to access expansion ears and release clip from the outside
- Spring steel design provides flexibility to reach tight areas and strength to release clip

**STK21715**



## Clamps, Hooks and Pulling Attachments

### Flexible Fender Puller 1.5 Ton

- Simple, easy-to-use
- One clamp needed for every fender pull
- Perfect for head and tail light openings and bumper pulls
- Fits any wheel or lipped panel

**DFX-DFHD0140**



**DFX-DFHD0140**



### Miscellaneous

**PUL0045** Angle Bite Clamp  
**PUL0053** A Clamp with Pull Ring  
**PUL0100** B® Clamp  
**PUL0205** Dyna-Mo™ C®; Mini C® Clamps  
**PUL0250** Mini C Clamp  
**PUL0300**  
**PUL0305** Dyna-Mo Jr® Clamp  
**PUL0400** W Clamp  
**PUL0405** Dyna-Mo™ W Clamp  
**PUL0440** Twin Claw Clamp  
**PUL0551** Tight Opening Clamp (Mo-Clamp®)  
**PUL0655** Dyna-Mo™ Box Clamp  
**PUL0660** Long Nose Clamp  
**PUL0680** Big Mouth Clamp  
**PUL0800** Tac-N-Pull with Pull Plates (Mo-Clamp®)  
**PUL0803** 3" Replacement Pull Plate for PUL0800 and PUL0805  
**PUL0804** (2) 4" Pulling Plates  
**PUL0805** Tac-N-Pull Plates  
**PUL0806** (2) 6" Pulling Plates  
**PUL0808** Tac-N-Pull Kit  
**PUL1000** Handy Hook®  
**PUL1100** Handy Link™  
**PUL1250** Panel Puller  
**PUL1255** Large Panel Puller  
**PUL1300** Sill Hook  
**PUL1320** Slim Line Sill Hook  
**PUL1340** Bolt Puller  
**PUL1800** Track Hook  
**PUL2400** 3MA Multi-Adaptor Plate  
**PUL2450** Boltless Strut Tower Puller  
**PUL2460** Radiator Core Support  
**PUL3071** Mo-Ty Anchor Pot (1 only)  
**PUL3100** Sheet Metal Hook Set

**PUL3110** Replacement Small Flat Nose Sheet Metal Hook for PUL3100  
**PUL3240** Replacement Large Round Nose Sheet Metal Hook for 3200  
**PUL4010** Frame Rack Unibody Clamp  
**PUL4020** 4-Way Pull Clamp  
**PUL4021** Frame Rack Dyna-Mo™ #1  
**PUL4030** 3-Way Pull Clamp  
**PUL4035** Angle Bracket  
**PUL4048** Many Hole Wide Draw Bar  
**PUL4050** Multi-Angle Clamp  
**PUL4056** Narrow Draw Bar  
**PUL4058** MAC II Multi-Angle Clamp  
**PUL4065** All-Angle Clamp  
**PUL4110** Single Claw Hook  
**PUL4120** Double Claw Hook  
**PUL4145** Double Grab Hook Assembly  
**PUL4146** Grab/Slip Combo  
**PUL4150** Double Looper  
**PUL4215** Reverse Pull Clamp  
**PUL5010** Mo-Clamp® #1 Tool Board  
**PUL5050** #5 Tool Board with Tools  
**PUL5078** #10 Tool Board with Tools  
**PUL5090** #9 Tool Board with Tools  
**PUL5130** 3/4" x 5" Replacement Bolt and Nut for PUL0200  
**PUL5246** Replacement 1/2" x 2-1/2" Nut, Bolt, Washer and Spring for PUL0305 and PUL0405  
**PUL5247** Replacement 1/2" x 2-1/2" Nut, Bolt, Washer and Spring for PUL0305 and PUL0405  
**PUL5355** Replacement 5/8" x 4-1/2" Nut, Bolt and Washer for PUL4020  
**PUL5616** Door Post Puller/Twister  
**PUL5622** 19" Tower Chain  
**PUL5623** 4" Hinge Plate  
**PUL5710** 11" Mo-Block Dolly for Frame Rail

**PUL5800** G Clamp 10-1/2"  
**PUL5802** Jumbo G Clamp  
**PUL5810** Down Pulley Assembly 7-1/2"  
**PUL5815** Down Pulley/Snap Block Assembly 5 Ton Capacity  
**PUL6006** 3/8" x 6' Frame Straightening Chain  
**PUL6008** 3/8" x 8' Frame Straightening Chain  
**PUL6010** 3/8" x 10' Frame Straightening Chain  
**PUL6012** 3/8" x 12' Frame Straightening Chain  
**PUL6210** 3/8" Alloy Clevis Grab Hook  
**PUL6230** 5/16" Alloy Clevis Slip Hook  
**PUL6260** 3/8" Alloy Clevis Slip Hook  
**PUL6300** Nylon Sling 30"  
**PUL6301** Nylon Sling with Metal Triangles 20-1/2"  
**PUL6302** Sling with Pear and Triangle 31"  
**PUL6305** GM® "R" Hook with 5/16" x 9" Silver Chain  
**PUL6306** GM® "R" Hook  
**PUL6309** GM® "R" Hook with 3/8" GrabHook  
**PUL6310** FORD® "T" Hook with 5/16"x 10-1/2" Silver Chain  
**PUL6311** "T" Hook with Chain  
**PUL6313** FORD® "T" Hook with Grab Hook  
**PUL6317** "J" Hook with 3/8" x 9" Chain  
**PUL6318** Mini J-hook with Grab Hook  
**PUL6319** Jumbo Nylon Strap 60", Designed for full 12-ton pull  
**PUL6400** Regular Deep Hook Set  
**PUL6410** Jumbo Deep Hook Set  
**PUL6420** Mini Deep Hook Set  
**PUL6750** 10' Jumbo Nylon Sling  
**PUL7000** Universal Tram Gauge  
**PUL7050**  
**PUL7400** Mo-Pro Gauge Package  
**PUL850034** Connector Sleeve



# Body and Spray Paint Equipment and Supplies

## Clamps, Hooks and Pulling Attachments



**PUL0200**

### C® Clamp

- Self-tightening
- 1-1/2" (39 mm) throat clearance fits over a flange or frame horn, or around a lip to pull from behind
- Original wedge
- Original straight cut tooth design

**PUL0200**



**PUL0300**

### Jr® Clamp

- One of the Mo-Clamp® original self-tightening clamps
- 1-1/2" wide bite for aggressive pulling
- Original wedge
- New angled tooth design

**PUL0300**



**PUL0305**

### Dyna-Mo Jr® Clamp

- New generation of Mo-Clamp®
- Self-tightening
- Thin edged nose for getting into hard-to-reach places
- Drop-forged round wedge to keep twist out of chain, aggressive cross-hatch tooth design, spring-loaded for easy opening

**PUL0305 Dyna-Mo Jr® Clamp**

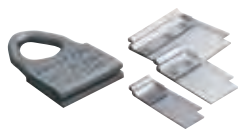


**PUL0551**

### Tight Opening Clamp

- For hard-to-pull areas such as frame rail ends, core supports, box sides and cowl
- Original straight cut tooth design

**PUL0551 Tight Opening Clamp (Mo-Clamp®)**



**PUL0800**

### Tac-N-Pull with Pull Plates

- For hard to hold pulls
- Tack weld one of the reusable plates; attach clamp and pull; break tack weld with a grinding cut-off wheel or cutting torch

**Includes:** (2) 3" plates, (2) 1-1/2" plates and (1) 1" plate

**PUL0800 Tac-N-Pull with Pull Plates (Mo-Clamp®)**



**PUL0808**

### Maxi Tac-N-Pull

- Design allows for angled and/or uneven pulls and getting around obstructions
- Made from TRU-TUFF steel alloy
- Use all five (5) different sizes of pull plates, in whatever combination is required

**Includes:** PUL0804 and PUL0806

**PUL0808 Tac-N-Pull Kit**

**PUL0804 (2) 4" Pulling Plates**

**PUL0806 (2) 6" Pulling Plates**



**PUL1255**

### Large Panel Puller

- Design allows technician to pull wider areas from behind doorposts, pillars and rocker panels
- Gives technician the ability to get behind core supports and other tough areas with a wider pulling surface

#### Specifications:

9" (228 mm) Overall length; 4-3/4" (120 mm) pulling surface; 4-1/2 lb (120 kg) weight; 3 ton (2,722 kg) capacity

**PUL1255 Large Panel Puller**



**PUL1340**

### Bolt Puller

- Designed to allow technician to get a straight, even pull on the center of a bolt
- Great on helping straighten frame horn ends on light trucks and vans
- Made from TRU-TUFF steel alloy
- Overall length 6", weight 1.7 lb, 2.5 ton capacity

**PUL1340 Bolt Puller**



**PUL2460**

### Radiator Core Support

- Tool will "sandwich" radiator core support ears and keep them flat while straightening and realigning the mounts to pre-accident specifications
- Allows technician to pull and straighten damaged radiator core support ears
- Also works on full frame cab mounts

#### Specifications:

7" Length, 3-1/2" width, 8.2 lb, 3 ton capacity

**PUL2460 Radiator Core Support**



**PUL3100**

### Sheet Metal Hook Set

- Alloy heat-treated hooks increase pulling options
- May be used with hole pulling plates to pull or in combination with clamps

**Set Includes:** Small flat nose hook, a small round nose hook, a large flat nose hook and a large round nose hook

**PUL3100 Sheet Metal Hook Set**



**PUL4056**

### Narrow Draw Bar with Single Claw

- Great for bolting to a frame, unibody rail or to other places to make a secure pull
- Each bar has a combination of hole patterns to facilitate bolting to a vehicle
- May be used in conjunction with various accessory items for specialized pulling needs

#### Specifications:

13" (330 mm) Overall length, 2-1/2" (58 mm) width, 4 lb (1.81 kg) weight, 3 ton (2,722 kg) capacity

**PUL4056 Narrow Draw Bar**

### All-Angle Clamp

- Bracket can be swiveled to accommodate pulling from any direction
- Smaller jaw width accesses tough areas where other clamps normally will not reach
- Pull ring adds versatility; can be made right-angle, straight, twist, roll, up and down

#### Specifications:

6" Overall length; 5" height; 3.6 lb; 3 ton capacity

**PUL4065 All-Angle Clamp**



**PUL4065**

### Reverse Pull Clamp

- Allows technicians to grab onto a reverse-facing weld or piece of metal and pull it out without the clamp slipping or sliding
- Bar has a 30% bend to allow for easier hook up; can easily flip to provide the reverse angle of pull
- Plate holes are designed to allow the clamp head to swivel slightly

#### Specifications:

Length: 10.5" (267 mm); weight: 7.3 lb (3.4 kg); 5 ton (4,536 kg) capacity

**PUL4215 Reverse Pull Clamp**



**PUL4215**

### 3" Down Pulley

- TRU-TUFF steel alloy
- 3" size is compact and provides access in smaller working areas

#### Specifications:

7-1/2" H, 9.1 lb, 4 ton capacity

**PUL5818**



**PUL5818**

# Body and Spray Paint Equipment and Supplies

## Clamps, Hooks and Pulling Attachments



**PUL6325**

### Tie Down Hook Cluster

- All of the most needed hooks in one place
- Made from quality steel alloy

**PUL6325**



**PUL6328**

### Hook Cluster with 3' Chain

- Includes (4) of the most popular hooks in one tool with a 3' chain
- Features a 3/8" grade 70 chain with a 45-ton capacity
- Makes hook-ups on wreckers and other vehicles easier

**PUL6328**

### EZ Pull Locking Pliers

- Allows quick access to grip and pull multiple pull pins (studs) as well as vertical and horizontal flanges
- Tough alloy steel locking pliers with 3-1/2 x 1" vise jaw
- Provides evenly distributed pulling force while pulling multiple pull pins and flanges
- (2) large pulling rings accommodate up to 2,000 lb light pulling capabilities with standard pulling hooks
- Top 3" ring allows quick and even pulling capabilities for multiple pull pins and horizontal flanges
- Bottom 1-1/2" ring provides pulling capability for vertical flanges

**STK20085**



**STK20085**



**STK20222**



**STK20224**

### Hand Pull Kit

- (3) metric (6, 8 and 10 mm) eyebolts
- 3-1/4" metal offset hinge pull plate and 3" right angle metal backing plate
- Multiple patterned metric holes allow technician to easily perform light-duty pulls for core support and body panels
- Reduces time by providing readily available metric eyebolts and drilling backing plate

**STK20222**

**STK20224** Eye Bolt Pack with Ring Clamp

## Clip Lifter



### Clip Lifter 11 mm Angled

- Angled clip lifter
- Opening: 11 mm

**DFXDF618CJ**

## Collision Repair

### ONYX Straight Type Punch/Flange Tool with 8 mm Punch

- Performs hole punching and panel crimping
- Features a rotating head for convenient use
- Every pull of the lever delivers a single punch or a single flange crimp with precision control
- Forms an offset crimped edge on sheet metals for no-bump lap welds

### Specifications:

Punch Diameter: 8 mm (5/16") Punch Capacity: 1.6 mm (1/16") Crimping Capacity: 1.6 mm (1/16") Net Weight: 2.6 lb (1.18 kg)

**APT608STSW**



**APT608STSW**



### 4 Ton Collision Repair Set

- Industry standard couplers are interchangeable with leading manufacturer's units
- Single-speed hydraulic hand pump and ram with 4" stroke
- Snap together design of extension tubes allows for easy assembly
- Sturdy extension tubes hold up in even the toughest situations
- Automatic overload system on pump protects against damage to equipment
- 1/2 ton hydraulic spreader tool has 2" jaws that spread from 5/8-3/8"

**OTC1513B**

**OTC1515B** 10 Ton with 6" Stroke



**OTC1513B**



### Sluggo Heavy-Duty Slide Hammer w/Box and Display Board

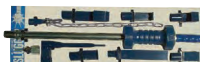
**SAG81024** Pipe Blade Assembly

**SAG81043** Display Board

**SAG81024**



**SAG81100**



**SAG81000**

### Sluggo Heavy Duty Slide Hammer with Box

- An assortment of the most widely used Sluggo pulling and pushing attachments packaged in a handy metal box

**SAG81100** Set with Box

**Includes:**

**SAG81012** Screw

**SAG81020** Coupling

**SAG81021** Offset Blade

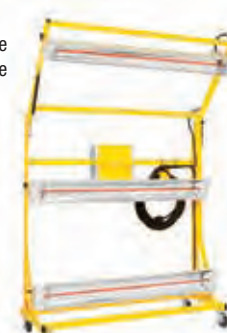
**SAG81000** Set with Display Board

## Curing Lamps

### Model S-9000-P

**INF141110** 240 V 3 Phase

**INF141115** 208 V 3 Phase



**INF141110**

### Tub Light, Model TLS-1750-C

- Economically priced tub light offers added cost savings
- Three switches control the amount of heat emitted
- Holds seven 250 watt R40 infrared bulbs (not included)

**INF142505**



# Body and Spray Paint Equipment and Supplies

## Curing Lamps

**INFRATECH™**

### Model SRU-1615-HT

- High intensity medium wave for increased power and improved cure times over a 3' x 4' coverage area
- 60 minute timer conserves energy and automatically shuts unit down when curing is complete
- Operates vertically or horizontally, in order to cure hard-to-reach areas, and offers increased flexibility for small repairs

**INF161000**

**INF103080** Replacement Bulb

**INF161000**



### Model Speed Ray 2

- Short Wave Systems; All systems are UL listed
- Faster production and shorter cure times
- 1,650 watts of curing power over a 3' x 4' coverage area
- Vertical or horizontal operation enables this product to cure hard-to-reach areas
- 60 minute timer/switch and a parabolic reflector for uniform heat distribution

**INF171015**

**INF171105** Replacement Bulb

**INF171015**



### Model SR-6000

**INF171365**

Infrared; Digital controls provide complete accuracy, as well as easy setup and operation

**INF171365**



## Dashboard

### Instrument Cluster Tools

- Pair of hooks for removing instrument cluster on Mercedes® W 107, 116, 123, 124, 126, 129, 140, 168, 170, 201, 202, 208, 210 and 463 chassis

**ASTM0333**



**AST** **ASSENMACHER**  
SPECIALTY TOOLS  
ASTTool.com

## Decal/Stripe Remover

### Smart Eraser® Pad for Pinstripe Removal

- Developed to dramatically reduce time spent on the removal of pinstripes, adhesive and double faced tape
- Fast and easy
- Molded rubber with 5/16"-24 thread arbor
- Use with maximum rated 4,000 RPM tool
- Not for use with standard non-geared die grinders

**APT400E**



**APT400E**

### Stripe-Off Wheel

- Faster, safer and cleaner
- Unique construction provides longer wheel life for best value
- Use on common shop tools, 500-4,000 RPM

**MMM07498** Stripe-Off Wheel with Adaptor

**MMM07499** Wheel Only



**MMM07498**

### 3M® Roloc® + Holder

- Allows use of Scotch-Brite® Molding Adhesive and Stripe Removal Discs
- 1/4" shank fits into any recommended standard tool
- Simple twist and the disc is attached and ready-to-use
- Quick and easy-to-use

**MMM07500** 1" Diameter x 1/4" Shank



**MMM07500**

### Super Stripe Stripper

- Quickly removes striping tape without damage to paint
- Quickly removes double-faced adhesives from body moldings
- Works best at 500-1,000 RPM

**STK35400**



**STK35400**

## Dent Repair

### Uni-Vac Dent Puller

- Pulls large "soft dents" from auto body panels
- Suction cup design does not require air line attachment
- Works in a body shop or yard environment
- Great for mobile repair operations
- Use on steel or aluminum panels, as well as bumpers

- Quality material and construction with durable storage case
- Includes three different sized suction cups
- Fast, and easy to use

**HSADTK-7700**

**HSADTK7700-1** Small 3" Suction Cup

**HSADTK7700-2** Medium 4" Suction Cup

**HSADTK7700-3** Large 5" Suction Cup



**HSADTK-7700**

**H&S**  
AUTOSHOT

### Stud Lever

- Accurate controlled pulls every time
- Grips studs (pull pins) quickly and easily
- Standard tools work on both 2.2 mm and 2.6 mm studs as close as 3/8" apart
- Black pivoting base helps compress down as dent is pulled
- Includes straight edge for matching original contours

**STK20014**

**STK20013** Tab-It



**STK20014**

### Flange Lever

- Quickly access hard-to-reach damaged flange frames, door and hood edges as well as radiator supports to bring back to proper edge alignment
- Double-ended reverse 1/4" hook design made from hardened alloy steels
- Flat hook allows for easy manual alignment while the 35° angle bar allows technician to access areas like radiator supports
- Allows for multiple angles

**STK20037**



**STK20037**

**STECK**



# Body and Spray Paint Equipment and Supplies

## Door Aligners



### Door Aligner Tool

- Align car and truck doors with either bolted or welded hinges in seconds by using leverage
- Pulls door against tool to prevent distorting the metal around latches
- Quickly and easily mounts in place with no special tools
- Curved handle allows access in restricted areas
- Includes special pin for truck doors

**SAG82350**

**SAG82354** Truck Insert Pin



### E-Z Store Door Alignment Tool

- Saves space, fits easily into your tool drawer
- Uses your breaker bar for leverage
- Save time - you won't have to hunt for the shop tool

**STK21845**

## Door Lift



### Heavy Duty Precision Door Lift

- Allows one-person door replacement
- Stable design with wide stance prevents tipping
- Self-leveling cradle and locking feature
- Four locking wheels
- Unique precision lifting with your air ratchet

**KTOART-45**



**STK21870**

### E-Z Rest Door Hanger

- Enables a single person to quickly remove and/or install vehicle doors
- Padded, removable side rails allow for accurate positioning of the door
- Easy on/off design quickly adapts to most floor jacks with removable saddles
- Reduces labor time
- Hang bumpers, store glass, as well as many other uses
- Fits jacks with saddle hole dimensions of 1-11/64-1-13/64" (30 mm)

**STK21870**

## Door Skin Tools/Shears

### Skin Removal Tool

- Skinning tool
- Faster than any other method
- One-hand operation
- Forged and hardened steel de-crimping head is specially designed to unfold the steel flanges of a damaged door skin with minimum physical effort
- Secondary handle can be installed in either the vertical or horizontal positions, adding stability to help keep the tool oriented in the proper position
- Design allows tool to maneuver around inner and outer curves as well as most body design features

### Specifications:

Net Weight: 3 lb (1.36 kg) Horse Power: 1/2

**APTDSPRO**



### Door Skin Tool Deluxe Kit

- Door skins applied in less than 10 minutes

**KTOART12DX**

**KTOART12-14** Chisel/Spring Assembly

**KTOART12-32** Retainer Spring Including Nut and Bolt Assembly



### Pro-Series Pneumatic Door Skin Tool

- New longer and stronger chisel and quick-release assembly
- 50% longer chisel to access more areas like the bottom edge of many truck doors
- Longer body
- Hammered powder coat

**KTOART17DX**

**KTOART17-14** Chisel



### Mini Skinner

- Get in places where no door skin tool can go
- Bottom of truck doors (Chevy® S-10 and Ram® 1500)
- Use around window moldings

**KTOART60**

**KTOART60KIT** 3 pc Insert Set



### Pneumatic Door Skin Remover

- Remove old door skins fast and safely without damage to frame
- Easy-to-use, works like a wood router, but designed to contain all flying debris
- Safety shield protects user and anyone passing by
- 100% stainless steel, best for quality and durability
- Extra heavy-duty die grinder with Japanese bearings

**Kit Includes:** Door Skin Remover; Rotary File; Blow-Molded Case

**KTOART75DX**



# Body and Spray Paint Equipment and Supplies

## Door Skin Tools/Shears

### Quarter Panel Hemming Tool

- Hem quarter panels 80% faster
- Will not scratch or scuff panel
- The quarter panel hemming tool attachment is easily operated with one hand
- Replicates a hammer and dolly motion at high speed, with greater precision, less fatigue and faster results
- Power tool sold separately

#### MALQHT1

**MALQHT1RA** Replacement Anvil, QHT1/QHT1A

**MALQHT1RH** Replacement Hammer, QHT1/QHT1A



MALQHT1

### Quarter Panel Hemming Tool

- Hem quarter panels 80% faster
- Will not scratch or scuff panel
- Easily and safely cleaned with solvent
- Outstanding accessibility and power at maximum speed

#### MALQHT1A



MALQHT1A



DFXDF-DPS1

### Door Prop Stick

- Securely keeps door open when working on the door's edge
- Isolate door skin from rest of vehicle when sanding or paint refinishing
- Great for working on interior door panels
- Can be used on either side of the car by twisting and locking into place
- Length adjustable from 11–15"

#### DFXDF-DPS1



### Door Skin Hemming Tool

- Hem door skins with speed and precision
- Will not mark or scratch door finish
- The installed hemming attachment is easily operated with one hand
- Inserts into the chuck of a minimum 14.4 V cordless or maximum A/C drill
- Power tool sold separately

#### MALDHT1

**MALDHT1RA** Replacement Anvil



MALDHT1



MALDHT1A

### Hemming Door Tool Air

- Hem door skins with speed and precision
- Compatible with most shop or job-site air supplies
- Will not mar or scratch door skin finish
- Resistant to solvents

#### MALDHT1A

### Door Skin Removal Tool

- Built-in guide helps you gauge the right cutting depth
- Pad keeps you from accidentally cutting into and damaging the inner material of the door frame
- Dust, dirt and sparks are eliminated during the cutting process
- Safer than using a grinder for removing door skins while avoiding the risk of burn marks from grinder sparks
- Ideal in shops working with aluminum vehicles, as it does not generate airborne dust that can cross-contaminate body panels
- Lateral blade adjustment ensures optimum cutting performance for life of blades
- Long lasting blades are easily replaceable
- Power tool sold separately

**MALDSR1** Door Skin Removal Tool

**MALDSR1RB** Replacement Blades w/Spacer



MALDSR1



MALDSR1A

### Door Skin Removal Tool Air

- Uses existing shop air supplies
- Quickly cuts door skin off frame
- Compact, one-hand operation
- Navigates body lines and corners

#### MALDSR1A

### TurboShear

- Cuts straight and to the left for tight round and square body patches
- Cuts thick plastic bumpers
- Two-hand operation with hand peg
- Lateral blade adjustment ensures optimum cutting performance for life of blades
- Drill Requirements: fits 1/4–1/2" (6.35–12.7 mm) drills including 1/4" (6.35 mm) Quick Release Chucks

#### MALTS1

**MALTS1RB** Replacement Blades



MALTS1

### TurboShear Autobody 16 Gauge

- Helical (spiral shaped) foot for easy left, right or straight cuts
- 5-position, adjustable head cuts through profiles and into corners
- Adjustable blade-insert clearance ensures optimum cutting performance for life of blades
- Long-life, 4-sided blade inserts are easily replaced without head disassembly

**MALTS1A** TurboShear Autobody 16 Gauge

**MALTS1RB** Replacement Cutter Inserts, 16 Gauge - TSA1/TSA1A

**MALTSCG** TurboShear Cutter Guard

**MALTSDC** TurboShear Drill Clamp



MALTS1A

# Body and Spray Paint Equipment and Supplies

## Door Skin Tools/Shears



**MALTA1A**

### TurboShear® 16-Gauge

- 16-gauge steel capacity
- Sure one-handed control
- Adjustable head angle
- Long lasting blades

**MALTA1A**



**MALTSHD1**

### TurboShear® Heavy-Duty, Auto

- For heavy-duty jobs, wide-opening jaws easily navigate body panels and layered metal
- One-hand operation requires minimal force to cut
- Cuts straight and to the left for tight round and square body patches
- Operates at high or low speeds for maximum control and precision
- Lateral blade adjustment ensures optimum cutting performance for life of blades

**MALTSHD1**

**MALTSHDRB** TURBOSHEAR® Replacement Blades, TSHD1/TSHD1A1



**MALTSHD1A**

### TurboShear® Heavy-Duty

- Long lasting blades
- Make fast, smooth trim cuts and tight left circular or square cuts in metal ductwork and metal roofing
- Compatible with standard on-the-job or in-the-shop air supply set-ups

**MALTSHD1A**



**MALTSMD1A**

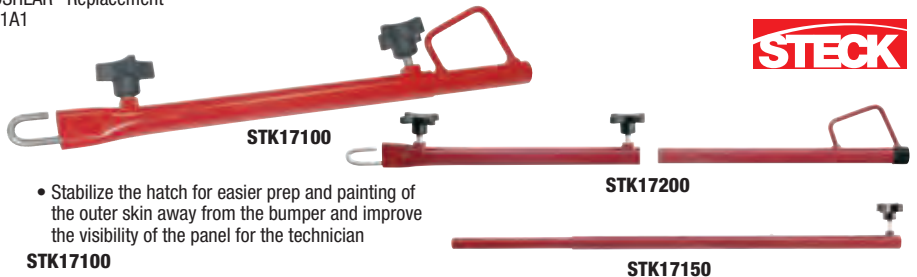
### TurboShear® Double Cut

- Compact head and blade length navigates 90 degree outside profiles
- Cuts up to 18 gauge steel
- Makes clean cuts on both edges as scrap spirals out of tool path
- Cleanly disengages from cut without pulling scrap through the tool head

**MALTSMD1A**

### Hatch Jammer™

- Holds lift gate or hatch in a partially open position for sanding, painting or buffing including being able to work on the edges of the panel
- Easily adjusts the work angle of the hatch door to a comfortable and secure position to repair and paint the outer skin of the hatch
- Hatch doors are easily positioned by attaching the metal "J" hook end to the striker and latching the larger loop end of the extender bar to the door latch
- Adjustable 11-1/2" slide bar gives up to 24" to adjust the angle and is secured by tightening two adjustment knobs



- Stabilize the hatch for easier prep and painting of the outer skin away from the bumper and improve the visibility of the panel for the technician

**STK17100**

**STK17150** Extension Tube

**STK17200** Hatch Jammer™ XL – Extends length of original to 59"



**STK21890**

### Skin Zipper Door Skinning Tool

- Attach a new door skin in less than 10 minutes with minimal arm fatigue
- Self-lubricating reinforced nylon head that will crimp regular or adhesive bonded skins
- Crimps the edge tightly for a professional finish with no damage to the skin in an easy 2-step process
- Step one allows technician to form the edge of the door skin to an initial 45° angle by holding the tool at a right angle to the door
- Step two allows technician to complete the final form by using the tool at a 45° angle
- Two side slot widths are included for thick or thin sheet metal skins
- No hammer or dolly required

**STK21890**

**STK21891** Replacement Skin Zipper



**STK21892**

### Door Flanging Tool

- Air hammer-driven door skinning tool for any 1 mm aluminum skin and 1.5 mm door shell
- Skins doors in approximately 15 minutes
- Crimps edge tightly to the door and window flange for a professional rope hem finish with no damage to the skin in an easy two-step process
- Self-lubricating reinforced nylon head crimps regular or adhesive bonded skins

**STK21892**



**STK21894**

### Skin Zipper2

- Air hammer driven door skinning tool for the window flange opening that is easily affordable for every auto body technician
- Skin Zipper2 can now skin the window opening with its self-lubricating reinforced nylon head that will crimp regular or adhesive bonded skins
- The Skin Zipper2 hems or crimps the door skin to the door shell at the window opening in an easy two step process
- Step One allows the technician to form the edge of the door skin to an initial 45° angle by holding the tool at a right angle to the door
- Step Two allows the technician to complete the final form by using the tool at a 45° angle
- The reduced height of the guide allows Skin Zipper2 to accommodate the step that is commonly in window opening areas that are not easily accessible with other tools
- Saves the technician arm fatigue and time by easily hemming the window opening with minimal refinish required to paint and/or reapply e-coating

**STK21894** Skin Zipper2

# Body and Spray Paint Equipment and Supplies

## Door Skin Tools/Shears



STK21896

### Stepped Flanging Tool

- Air hammer-driven door skinning tool for the window flange opening can now skin the window opening which could not be done in the past
- Hems or crimps the door skin to the door shell at the window opening
- Crimps edge tightly to the door and window flange for a professional rope hem finish with no damage to the skin in an easy two-step process

STK21896



STK35753

### Work Stand Clamp

- Secures a car door to a work stand (X frame) in seconds, by clamping onto the inside frame of the door at the window opening
- Welded ring of the work stand clamp fits over the padded arm of the work stand so it can be adjusted to fit securely to your stand
- Clamping is critical for door skinning and prep work on doors
- Saves the aggravation of trying to hold a door in place or the need to find another person to hold the door while skinning or sanding, including in and under a car

STK35753

### Door Skinner Tool

- Air hammer-driven door skinning tool; self-lubricating, reinforced nylon head hems or crimps regular or adhesive bonded skins to the door shell at the window opening in an easy two-step process
- Reduced height of the guide allows the tool to accommodate the step that is commonly in window opening areas that are not easily accessible with other tools
- Reduces arm fatigue from hammer and dolly method; reduces door refinishing time
- Replaceable head skins at least 10 doors

STKFLG21894

STKFLG21895 Replacement Head



STKFLG21894

## Door Tools



### Euro Door Hinge/Handle Kit

AST3200T45 T45 Bit

AST3200X10 10 mm 12-Point Bit

AST3200X4 4 mm 12-Point Bit

AST3200X8 8 mm 12-Point Bit



AST3200T45



LIL34920

### Door Latch Release Tool

- Used to release the cable from the handle assembly, so the door panel can be removed
- Applicable on 2007–2013 Chevy® and GMC® pickups: Suburban®, Tahoe®, Avalanche® and Yukon® vehicles

LIL34920



LIL34950

### Lock Rod Release Tool for Ford® Vehicles

- Spreads lock rod retainer so rod can be removed from the door latch on 2015–2018 F-150 and 2017 Super Duty® pickups
- Milled slots guide tool onto lock rod retainer and keep it in place as the rod is removed
- Large ergonomic handle for leverage and grip
- CA residents see page 365 for Proposition 65 warning. ⚠

LIL34950



LIL35400

### Door Upholstery Remover

- For plastic fasteners
- Place the tool under the edge of the door panel and insert into fastener as far as possible, then simply pry up
- Rugged tool with a large comfortable handle

LIL35400



SAG87675

### Door Spring Tool

- Use to remove and install door hinge springs found on GM® cars and light trucks
- Can be used with a 1/2" open end or ratcheting box wrench

SAG87675



STK21835

### Door Hinge "Pin Popper"

- Removes door hinge pins fast
- Drives out even stubborn hinge pins
- Direct impact
- Clearance for door panels
- Works on all GM® vehicles with removable hinge pins
- Includes pin puller to remove loosened pins

STK21835



STK21910

### Light Truck Door Spring Tool for GM® Vehicles

- For the larger diameter door springs commonly found on GM® pickup trucks
- Also works on regular GM® vehicle door springs

STK21910



# Body and Spray Paint Equipment and Supplies

## Flat Body Cylinder Tools

### Flat Body Cylinder Kit

- Includes a blow-molded case and four adaptors (1/4, 1/2, 1 and 1-1/4")
- Various height magnetic adaptors
- Perfect for low clearance areas needing a little height boost
- Maximum working pressure: 10K PSI/700 bar
- Carrying case

### Specifications:

5 ton Ram Capacity; .24" Stroke; .26" Oil Capacity; 6 lb GW

**BLK65139**



**BLK65139**

## Frame Straightener

### Frame Straightener

- 10 ton capacity pulling post package
- Use with common pot patterns or chainless anchor system
- Longer/Wider base for stability
- Safety tie-down brackets
- Utilizes 10" ram for longer pulls

### Includes:

Pulling post  
Pump/hose set  
10 ton 10" stroke ram  
(2) 6' chains with claw hooks  
9' chain with hook

**BLK93601B**



**BLK93601B**

## Headlamp Aiming Tools

### Headlight Adjusting Ratchet for Ford® Vehicles

- Works on Ford® vehicle aerodynamic headlights with rear-mounted adjusters
- These adjusters are not easily accessible and require this tool for adjusting
- Extra-long handle allows easy access to hard-to-reach spaces
- 4 mm hex with a roller clutch for infinite settings

**LIL14540**



**LIL14540**

### Headlamp Intensity Meter

- Hand held
- Measures intensity in kilo candela (kcd)
- Simple to use, just point and read
- No batteries
- Durable

**SYMAIM200**



**SYMAIM200**

### Headlamp Aiming Equipment

#### Non-Regulated Inspection Program:

- Colorized Headlamp Pattern Technology, makes headlamp alignment fast and easy
- Low cost solution for all service facilities that DO NOT perform state inspections
- ISO Color Technology defines the "High Intensity" zone for precise alignment every time
- Durable and lightweight
- Adjustable height/rotational mast
- Laser floor slope measurement
- Field calibration

**SYMBCA4**

**SYM01016000** Dust Cover, SYMBCA4 and SYMSCA1



**SYMBCA4**

### Headlamp Aiming Equipment Regulated Inspection Program

- ISO Color Technology, combined with Visual Assist precision makes headlamp alignment simplistic for all technicians
- Visual Assist meter tells you when headlamp is perfectly aligned
- ISO Color Technology defines the high intensity zone for precise alignment every time
- Mirror alignment to vehicle
- Adjustable height/rotational mast
- Heavy duty construction
- Laser floor slope measurement
- Field calibration
- Meets J599 and J600 SAE inspection standards

**Approved for use in all state inspection programs that accept visual systems**

**SYMCVA3EZ**



**SYMCVA3EZ**

### Headlamp Aiming Equipment

#### Regulated Inspection Programs:

Electronic solution to headlamp alignment

- Photo-sensor positioning
- Green light ("GO") and red light ("No Go") programming
- Rechargeable, battery powered, no cords
- Laser floor slope measurement
- 8' floor guidance rail
- Mirror alignment to vehicle
- Rotational mast
- Light intensity meter measures lamp output in kilo candela
- Field calibration
- Multi bay usage
- Meets J599 and J600 SAE inspection standards
- Approved for use in all state inspection programs. Required in Maryland and Virginia

**SYMHBA5**

**SYM05013000** Laser Assembly



**SYMHBA5**

### Headlamp Aiming Equipment

#### Regulated Inspection Programs:

- Revolutionary ISO color alignment makes headlamp alignment quick and easy
- Economical solution to meeting state inspection requirements
- ISO Color Technology defines the "high intensity" zone for precise alignment every time
- Durable and light weight
- Adjustable height/rotational mast
- Laser floor slope measurement
- Field calibration
- Meets "J599" and "J600" SAE inspection standards

**SYMSCA1**

**SYM02016000** Dust Cover



**SYMSCA1**

# Body and Spray Paint Equipment and Supplies

## Headlamp/Taillight Removal



### Headlight/Taillight Removal Tool Set

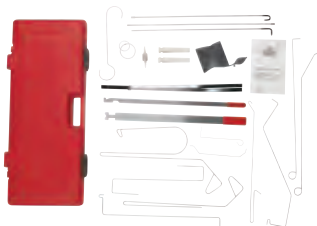
- Designed to easily and safely remove automobile headlights and taillights, as well as trim items
- Minimizes damage to painted surfaces
- Includes two locating strips to identify the location of light guide pins
- Includes two extra locating strips

HSAUNI-7800



HSAUNI-7800

## Lockout Tools



KCT1000A

### 19 pc Supreme Master Auto Lockout Tool Kit

- The ultimate product to handle emergency lock outs
- Packaged in a custom, heavy-duty "blow molded" case
- Includes a fully illustrated instruction manual

KCT1000A



KCT320

### 6 pc European and Asian Automotive Lock Pick Set

- Designed for foreign wafer locks found in most Japanese and European vehicles
- Includes harpoon pick to remove broken keys from auto locks
- Not for use on transponder based anti-theft ignition systems
- Includes KCT-330 tension wrench

KCT320



SAG15500

### Door Unlocking Tool

- For vehicles having lock mechanisms accessible via the opening between the top of the door and the window glass
- Full instructions provided for wide range of vehicle models
- Overall length 24"

SAG15500



STK329002PK

### The Original BigEasy™ Tool

Includes 2 each: Door Wedge (STK32920), SureGrip™ Lock Knob Lifter (STK32930), Paint Protector and The Original BigEasy™ Tool

STK329002PK



STK32903

### BigEasy™ Loop

- Simple and inexpensive device to assist technician in using the BigEasy™ to open locked cars by grasping door handles and window cranks
- Snaps on to any of our BigEasy™ lockout tools to provide easy leverage to pull door handles and window cranks during the door unlocking process
- Handy accessory tool easily snaps on the end of the BigEasy™ Tool avoiding the need to purchase additional and more costly specialty tools

- Made from low density polyethylene which provides a strong but flexible tool to adapt to any angle required to complete the unlocking process
- Mold injected with reflective substances which will "glow" after absorbing sunlight for use with tinted windows and headlights for nighttime lockouts
- Saves time for the technician while performing vehicle unlock services on cars with manual locks

STK32903

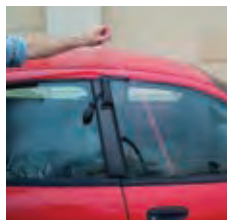


STK32905

### BigEasy™ Extend Tools

- Works with all versions of BigEasy™ lockout kits
- Open locked cars which require extra length to reach emergency floor release handles, keys in ignition and opposite side door handles
- Extra 12" of length
- Made from glass-filled nylon which provides a strong but flexible tool to adapt to any angle
- Injected with reflective substances which will "glow" after absorbing sunlight

STK32905



STK32908

### Little Easy

When the BigEasy™ Tool is Just Too Long!

- Perfect for Japanese imports
- Works on some pickup trucks
- Only 29" L

STK32908



STK32922

### Easy Wedge

STK32922 Easy Wedge

# Body and Spray Paint Equipment and Supplies

## Lockout Tools

### Super Easy Wedge

- Larger version of the Easy Wedge; to be used as an accessory with the BigEasy™ lockout kits to create a controlled opening of the vehicle door
- Provides more power as well as a bigger opening to maneuver the BigEasy™ lockout tool to safely unlock the vehicle; bigger wedge allows the force being exerted to spread over a larger surface area, reducing the possibility of damage
- 7" x 9" inflatable wedge is made from ballistic nylon, preventing slippage in extreme weather
- Contact area of 2-1/2 x 4-1/2" gives the wedge 168.75 lb of force

**STK32923**



**STK32923**

### BigEasy™ Night Light

- Flexible PVC suction cup design with a 6-1/2" circular base allows the tow driver, lock out technician, officer and/or first responder to place the Night Light on any windshield surface regardless of the temperature or weather condition
- Night Light's angled cup design combined with six angled LEDs inside the cup generating 1,000,000 candlepower give you the ability to focus a 1' diameter beam up to 4' away on the interior door lock area
- Raised area on suction cup base allows operator to peel back edge for easy release of the Night Light from the windshield surface
- BigEasy™ Night Light powered by three AAA batteries allows for one person nighttime lockout operation by eliminating the need for a third hand to hold the flashlight while unlocking the vehicle

**STK32933**



**STK32933**

### The BigEasy™ and The BigEasy™ GLO Lockout Tool

- SAFE – No danger of damage to linkage, wiring or side air bags
- FAST – The BigEasy™ tool kit enables you to actuate the door handle, manual lock button, or electric lock button on more than 98% of all cars and trucks
- EASY – With every movement in full view of the technician, unlocking cars is quick and so easy

**Includes 2 each:** Door Wedge (STK32920), SureGrip™ Lock Knob Lifter (STK32930) and The BigEasy™ GLO Tool

**STK329502PK**

**STK32920** Non-Marring Wedge Only

**STK32930** SureGrip™ Lock Knob Lifter Only

**STK32935** Carrying Case for The BigEasy™



**STK32920**



**STK32955-2PK**

### 2 pk BigEasy™ GLO with Easy Wedge Tools

**Includes 1 each:** BigEasy™ GLO/Easy Wedge/and Non-Marring Wedge/Lock Knob Lifter Kit/Paint Protector

**STK32955-2PK**

## Mirror Removal Tools

### Mirror Removal Tool for Ford® Vehicles

- Save shop labor time and cost by allowing mirror to be removed without damaging or removing the mirror assembly.

#### Applicable:

Outside door mirrors of 1997–2002 Windstar® vans; 1998–2004 Crown Victoria®, Grand Marquis®, Marauder®, Taurus®, Sable®, Mustang®, Town Car® vehicles; 1999–2004 Ranger®, Excursion®, Super Crew® (F-250®–F-550®), F-650®, F-750®; 2001–2004

Escape® vehicles; 2002–2004 Thunderbird® vehicles; 1996–2004 Explorer® vehicles; 1997–2004 Mountaineer® vehicles; 1998–2004 Expedition®, Navigator®, F-150®, 1999–2004 E-Series® van; 2000–2004 LS; 2001–2004 Explorer Sport®, Explorer Sport Trac®, 2003–2004 Aviator®, 1999–2004 Dual arm mirror used on Excursion®, Super Crew® (F-250®–F-550®), F-650®, F-750®

Also works on 1999 and newer Ford® interior/rearview mirrors that have the detachable (screwless) mount.

**OTC8200A**



**OTC8200A**

## Nib Files



**SAG89790**

### Fine Nib File

- Removes imperfections on paint jobs, such as dirt and runs without respraying-saves hours of labor
- High-quality precision ground files assure uniform results without gouging
- Use the fine nib file for tiny imperfections
- Use on dry paint surface on both primer coats and top coats

**SAG89790**



**STK35250**

### Nib File

- High-quality mini-files make removing dirt blemishes and paint runs a breeze
- Removes paint runs and dirt nibs
- Honed tips of teeth shave without digging into the paint
- Coarse grade

**STK35250**



**STK35260**

### Spec-Out Nib File

- Removes runs and dirt nibs
- Honed tips of teeth shave without digging in
- Fine grade

**STK35260**

# Body and Spray Paint Equipment and Supplies

## Painting Trees

### Magnetic Paint Clamp

- Strong, professional, and fast method for securing parts when spray painting
- Achieve a more complete coverage area on smaller parts such as mirror covers, handles, fender flares, fog light bezels and moldings
- Simply twist base to clamp securely, stick the magnet to a metal surface, and apply coating
- Use more clamps, purchased separately, for heavier, larger pieces
- The magnetic base can be anchored to the walls of spray booths even when protected with plastic film
- Holds up to 5 lb on a solid magnetic surface

**DFX-DFPC203**



**DFX-DFPC203**

### Paint 'N Stick™ Combo

- Combines the capabilities of the Paint 'N Stick™ STK35660 for easy painting of traditional outside mirror assemblies with the adjustable 6° Grip 'N Paint Pliers STK35661 with its locking handle to hold lightweight mirror covers and small parts
- Padded Grip 'N Paint Pliers grip well and give the technician the flexibility of holding the part vertically or horizontally to easily paint all angles, preventing paint runs

**STK35662 Combo**

**STK35660 Paint 'N Stick™**

**STK35661 Grip 'N Paint Pliers**



**STK35660**

**STK35661**

### Bumper Tree

- Use to sand, mask, prep and paint
- Complete coverage, no missed spots
- Holds spoilers, mirrors, etc.
- Tilt feature allows you to set your own working height and angle
- Tilt while painting to give easy access to top, bottom, front, back and wrap-around ends
- Bumper cover is secured by chains
- Chains are adjusted using convenient chain slots
- Includes casters

**STK35800**



**STK35800**

### Panel Tree

- Panels load easily and quickly
- Center post design allows access to edge, bottom and both sides of the panel
- Paint panels, jams and car all at one time
- Save hours of dry time
- Hold one or two panels securely

**STK35900**



**STK35900**



**STK35910**

### Tail Gate Holder

- Holds tailgates to allow painting both sides at once
- Perfect accessory for you panel tree (STK35900)

**STK35910**

## Paintless Dent Repair

### Ding Massager Deluxe Glue Pulling Kit

- Dings and dents caused by hail and other weather damage are easily repaired whether on steel or aluminum panels
- Access to the back panel is not necessary
- Squeeze puller allows for a massaging action that helps release the tension in the metal
- Specially formulated hot glue provides for strong adhesion yet easy removal using the release agent allowing for a quicker more successful pull

**DFX-DM555UDX Kit Includes:**

**DFXDFDM520GS** Glue Sticks (10 pk)

**DFXDFDM530SH** Slide Hammer

**DFXDFDM540SP** Squeeze Puller



**DFX-DM555UDX**



**DKIA-32**

### The Dent Bag

- Keep all your tools, glue pullers and accessories organized with zipper pockets

**DKIA-32**

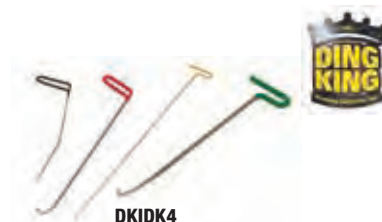


**DKIDK29**

### 29 pc Tool Set

- Great set to learn paintless dent repair
- Most well-rounded group of tools
- From window tools and super skinnies to the new T-bar and Z-bend, this 29 pc package includes the most functional tools for each of our sets

**DKIDK29**



**DKIDK4**

### 4 pc Basic Set

- Start learning the basic steps and fundamentals of paintless dent repair with this multifunctional 4 pc tool set

**DKIDK4**

**Also Available:**

**DKIDK8** 8 pc Starter Set

**DKIDK13** 13 pc Tool Set



# Body and Spray Paint Equipment and Supplies

## Paintless Dent Repair



HSA7535

### Glue Puller Kit Accessories

- Efficient way to remove dents without damaging the paint
- Designed to let you lever out dents from the panel surface without damaging the paint
- No holes to drill and no interior panels to be removed
- Works on panels where conventional tools will not reach
- No limitations by unseen restrictions behind the panel
- Lightweight dual lever dent puller
- 4 sizes of pulling knobs
- Heavy-duty specialized glue
- Nylon knockdown to finish the work accessories

**HSA7535** Heavy-Duty Dent Pulling Glue, 1/2 lb

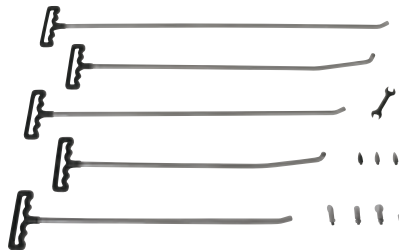


HSA7570

### Uni-Pull PDR Glue Pulling Kit

- Complete kit contains: assorted pull-tabs, glue sticks, glue gun, two pullers and knock-off tool in case
- Standard and HD strength glues that remove with alcohol
- "Squeeze" and slide hammer anodized aluminum pulling tools

**HSA7570**



KCT825D

### Roller Rod Paintless Dent Removal Kit

- Roller rod paintless dent removal technology
- Seven interchangeable tips and five stainless steel rods
- 35 rod and tip combinations
- Includes a get-started training DVD
- Custom blow molded carrying case

**KCT825D** Kit

**KCT825-13** 12 mm Wrench

**KCT825-AA** 29-1/4" Rod with Bend

**KCT825-BB** 29-1/4" Rod no Bend

**KCT825-CASE** Case for KCT825D

**KCT825-CC** 35-1/4" Rod no Bend

**KCT825-DD** 29-1/4" Rod no Bend

**KCT825-EE** 23-1/4" Rod with Bend

**KCT825-MKA** 1/4" Sharp Edge Plastic Wheel

**KCT825-MKB** 1/4" Flat Edge Plastic Roller Wheel

**KCT825-MKC** 1/4" Low Profile Flat Edge Wheel

**KCT825-TIP-1** Steel Bullet Point Screw-on Tip

**KCT825-TIP-2** Soft Bullet Point Screw-on Tip

**KCT825-TIP-3** Hard Plastic Point Screw-on Tip

**KCT825-TIP-4** 3/4" Diameter Plastic Screw-on Tip

**KCT825D-DVD** DVD for KCT825D



MASGG-200

### PortaPro® Glue Gun

- Lightweight, cordless, butane-powered glue gun
- Features a unique temperature control thermostat which automatically controls the glue gun chamber temperature by regulating the gas flow for optimal efficiency in butane consumption which results in increased run time with a lower butane consumption rate
- Continuous run time up to two hours
- Perfect for many gluing applications, including automotive, industrial, woodwork, electronics and many more

**MASGG-200**

## Panel Clamps/Panel Poppers



AST3206

### Door, Trim/Molding Tool Set

- Various applications for interior molding, trim, doors and more
- Includes a T-25 long Torx® screwdriver for accessing door handles on various BMW® and Mercedes® models
- Includes carrying pouch

**AST3206**



ASTMW34

### 3 pc Soft Orange Wedge Set

- Soft wedge-style panel removal tools
- Great for removing panels, trim, moldings and bezels without damage
- Constructed of soft orange polyethylene

**ASTMW34**



ASTMW35

### 3 pc Hard Black Wedge Set

- Hard wedge-style panel removal tools
- Great for removing oil pans, rocker covers and more without damage
- Constructed of strong, black polycarbonate

**ASTMW35**



# Body and Spray Paint Equipment and Supplies

## Panel Clamps/Panel Poppers



**DFXDF618LK**

### 5 pc Clip Lifter Set

- Lifetime Warranty
- Dent Fix's 5-Piece Clip Lifter Set transforms clip removal from an unwanted task to completed job in no time
- The five piece set is intended for removing plastic fasteners, plastic clips, upholstery, or door panels
- Also included in the kit is a die cut foam drawer organizer to keep the set tidy and accounted for during storage

**DFXDF618LK**



**DFXDF618XL**

### 3 pc XL Clip Lifter Set

- Lifetime Warranty
- Dent Fix's XL Clip Lifter Kit transforms clip removal from an unwanted task to completed job in no time
- The three piece set is intended for removing plastic fasteners, plastic clips, upholstery, or door panels
- Also included in the kit is a die cut foam drawer organizer to keep the set tidy and accounted for during storage

**DFXDF618XL**



**DFXDF-623TPS**

### 27 pc Deluxe Trim Scraper Set

- 27 unique heads to help remove a wide variety of interior and exterior trim pieces, including AC vents, door trim clips, dashboard pieces, plastic track guards around carpet opening, etc.
- Easy pry design allows precise removal of delicate pieces and keeps the original integrity of the parts for reuse
- The included canvas case stores the tools in separate sleeves for organization and accountability

**DFXDF-623TPS**

### 11 pc Trim Tool Set

- Includes 11 specialty tools designed to remove trim strips, panels, wheel caps, bezels, liners, shrouds, fascia, etc.
- Constructed of durable, impact-resistant nylon that will not damage non-metal interior trim surfaces
- Cloth pouch rests flat on a dashboard or fender for easy access to tools and folds up with tools inside for storage
- CA residents see page 365 for Proposition 65 warning. ⚠️

### HRR118 Set

#### Includes:

- HRR117-1** Wide Molding Remover
- HRR117-2** Puller Molding Remover
- HRR117-3** Molding Remover
- HRR117-4** Trim Tool Flat End



**HRR118**

- HRR117-5** Narrow Molding Tool
- HRR117-6** Clip Molding Remover
- HRR117-7** Flat End Separator
- HRR117-8** Serrated Tool
- HRR117-9** Notch End Tool
- HRR117-10** Strip Remover
- HRR117-11** Double Flat



**LIL35460**

### Double-Ended Clip Lifter

- Thin tips on this double-ended tool provide easy access when removing plastic clips
- Smaller opening works for lifting the center pin and the wider opening lifts the fastener from the panel
- Also works on most plastic fasteners, plastic clips, upholstery or door panels
- Zinc finish with 3-1/2" grip
- Overall tool length is 8"
- CA residents see page 365 for Proposition 65 warning. ⚠️

**LIL35460**



**SIRST9007**

### 5 pc Mini Panel/Fascia Remover Set

- Designed to aid the technician in disassembly of door panels, fascia/trim strips of dashboards, window installation, etc.
- Made from impact resistant nylon plastic, it won't scratch or damage parts like similar metal versions

### SIRST9007 Set

#### Set Includes:

- SIRST9007-1** Wide Pry
- SIRST9007-2** Hook
- SIRST9007-3** Large Wedge
- SIRST9007-4** Double Claw
- SIRST9007-5** Clip Pry



**SIRST9029**

### 6 pc Mini Panel/Fascia Remover Set

- Can be used when the SIRST9007 5 pc kit is too big for delicate bezel or trim pieces
- Specially designed with an extra slim profile and unique shape for the delicate task of removing small or fine fascia trim and bezels off dashboards, air vents, door panels, door locks, electronic seat controls, seat levers, center consoles, gear shifter, etc.
- Made from impact resistant high-quality nylon, it will not scratch or damage fascia like metal tools can

### SIRST9029 Set

#### Includes:

- SIRST9029-1** Pick
- SIRST9029-2** Serrated Knife
- SIRST9029-3** Fastener Pry
- SIRST9029-4** Claw
- SIRST9029-5** Mini Wedge
- SIRST9029-6** Spoon



**SIRST9030**

### 11 pc Ultimate "Pry Master" Set

- Exclusive combination of two very popular kits, SIRST9007 and SIRST9029
- Complete with a professional canvas storage roll pouch
- Easily converts to a standing heads-up display or lays flat on a dashboard
- Useful for quick reference and easy access while on the job

**SIRST9030**

# Body and Spray Paint Equipment and Supplies

## Panel Shapers

### Aluminum Repair Tools

- POM Nylon material will not contaminate aluminum panels
- POM Nylon surface is scratch and nick resistant
- Dolly fits comfortably in the palm of the hand and the POM nylon surface provides plenty of grip
- Can be used to shape metal at different angles

**DFXDF900BHND** Bolster Head Nylon POM Chisel

**DFXDF900RHND** Round Head Nylon POM Chisel



**DFXDF900BHND**



**DFXDF-AB712**

### 12 pc POM Dolly Set

- Made of polyoxymethylene (POM), this set of (12) rigid dollies are non-marking when against metal
- High abrasion resistance and non-corrosive interaction with aluminum allow technicians to work on the newer automotive models with aluminum panels and hoods
- Works great with steel panels as well
- Blow molded case is included to keep the dollies neat and organized

**DFXDF-AB712**

### Shape Tip™ Tool

- Designed to fit securely on most pry bars
- Use to roll out high spots, crease and crowns around dents
- Accurately roll and massage out dents and distortions without leaving tool marks
- Excellent for use with thin alloy metal
- Great for applying tape seam sealer
- Repair bumpers, glue upholstery or patch tires

**KCT790**



**KCT790**

### Soft Strike™ Aluminum Cover Kit

- Soft Strike™ covers eliminate the need to invest in redundant, special aluminum application tools, allowing the safe and uncomplicated conversion of existing steel tools to work on aluminum
- Heavy duty Buna rubber and vinyl tool covers convert current body tools so they can be used on aluminum
- Removable covers prevent cross contamination and galvanic corrosion
- Existing steel body tool investment can be maximized with Soft Strike™ covers—steel tools can be used on aluminum body components

**STK35000**



**STK35000**

**Includes:**

**STK35011** Heel Dolly Face Cover

**STK35012** Heel Dolly End Cover

**STK35015** Dinging Spoon Cover

**STK35020** Body Hammer Cover

### Soft Strike™ Hard Cap Body Hammer Cover

- Maximize existing steel body hammer investment by using Soft Strike™ hard cap cover; eliminates the need to invest in special aluminum application tools
- Allows the safe conversion of existing steel tools to work on aluminum
- Strong, reinforced nylon head will not tear when working on sharp edges of aluminum doors
- Flexible O-ring inside the hard cap cover provides a secure fit on hammer heads from 1-1/2-1-3/5"
- Use an existing hammer with the Soft Strike™ cover and a dolly with the Soft Strike™ heel dolly face cover (**STK35011**) to hammer and dolly the corner and body lines; complete the aluminum door skin process with existing tools without the worry of cross contamination and galvanic corrosion

**STK35025**



**STK35025**

### Double End Nylon POM Dolly

- Ideal for working on lighter sheet metal panels as the material provides a cushioning effect to match the weight of the hammer without stretching
- High abrasion resistance; non-corrosive interaction with aluminum
- Round end: 2-3/4" (70 mm); Wedge edge: 2-1/2" (65 mm)
- 7" (180 mm) L

**DFXDF900DEND**



**DFXDF900DEND**

### Perfect Gap Panel Gauge

- Allows the technician to set the gap width to factory specifications for hood, trunk and door alignment or panel replacement and fitment
- Felt-covered magnets provide a solid mounting point on steel panels; reverse side has a suction cup for aluminum and plastic panels
- After adjusting the horizontal bar, the appropriate number of gauge tabs can be positioned in between the gap
- 10 alternating black and white tabs; each tab is 1 mm thick with a maximum gauge depth of 10 mm

**Includes:**

Two Perfect Gap Gauges

**DFX-DFPG213**



**DFX-DFPG213**

### 3 pc Panel Shaper Kit

- Easily access deep reach areas and badly deformed sheet metal surfaces to form them back to original shapes
- Contains three (3) unique nylon head shapes with arbors
- Attaches to air hammer to fix body lines, concave areas and flat surfaces
- Allows you to form custom shape patch panels and to fabricate panels
- Can be customized by grinding the head to any specific angle and shape required to perform the repair

**STK20046**

**STK20047** Chisel Head – Works with door, body lines, corner shaping and fender edges.



**STK20046**

### Soft Strike™ Dolly Cover

- Soft Strike™ dolly cover is made from Buna rubber
- Allows easy transition from working body tools on steel to aluminum without the worry of cross contamination and galvanic corrosion
- Reduce investment in redundant body tools by applying the rubber, removable cover to the tool already owned
- Simply adding the cover to an existing steel dolly eliminates the problem of a rubber dolly not heavy enough to work effectively

**STK35013** General Purpose Dolly Cover

**STK35017** .625 Light Toe Dolly Cover



**STK35013**



**STK35017**



**STK71510**

### Super Scraper

- Works like a chisel
- Tough plastic handle can be hit with a hammer
- Resharpens when needed with a file

**STK71510**





# Body and Spray Paint Equipment and Supplies

## Plastic Repair



**DFX-DF400BR**

### Hot Stapler Plastic Repair Kit

- Three temperature settings: light duty, regular and heavy-duty
- Kit includes 200 Breakaway StapleClips in four different varieties and a clear case
- Save bumpers, headlight assemblies or any other thermoplastic part
- Add structural element to cosmetic repairs
- Easy operation

**DFX-DF400BR Kit**

### Kit Includes:

**DFX-DF800MC** M Clip  
**DFX-DF800SC** S Clip  
**DFX-DF800SI** Finishing iron  
**DFX-DF800VC** V Clip  
**DFX-DF800ZC** Z Clip



**DFX-DF800BR**

### Hot Stapler Plastic Repair Kit

- Reinforce and fix broken tabs, splits, cracks and rips in bumpers, headlight assemblies or other thermo-plastic parts
- Creates a strong, structural repair while still maintaining flexibility to allow for proper fitting of components and bumpers
- The hot stapler uses heat to embed a staple into the plastic to "stitch" tears in plastic back together
- Hand held, self-contained unit
- Kit includes 350 staples (seven varieties), finishing iron, plastic fill rods and blow-molded case

**DFX-DF800BR Kit**

### Kit Includes:

**DFX-DF800MC** M Clip  
**DFX-DF800NC** N Clip  
**DFX-DF800SC** S Clip  
**DFX-DF800SI** Finishing iron  
**DFX-DF800UC** U Clip  
**DFX-DF800VC** V Clip  
**DFX-DF800WC** W Clip  
**DFX-DF800ZC** Z Clip



**HSA8000**

### Hot Uni-Staple Plastic Repair Kit

- Complete kit contains: hand-held hot gun, two melt-blades and four packages of most common staples in storage case
- High powered 250 watt hot melt gun (115 V)
- Straight and 60° melt-knife blades

**HSA8000 Kit**

**HSA8010** Uni-Staple "M" Style Outside Corner (100 pk)

**HSA8011** Uni-Staple "Z" Style Small Stitch (100 pk)

**HSA8012** Uni-Staple "V" Style Inside Corner (100 pk)

**HSA8013** Uni-Staple "N" Style Large Stitch (100 pk)



**HSA8010**

**HSA8013**



**KTOART77P**

### Compact Hot Stapler

- Will repair torn bumpers, broken headlight tabs, radiator tabs, truck and motorcycle fairings
- Anything thermoplastic can be repaired with six different stainless steel staple designs
- Two heat settings for varying material thicknesses
- Three staple settings
- Provides lighting to assist when using in dark areas
- Includes 300 staples; six varieties (50 ea)

**KTOART77P**

**KTOART77-C8** 0.8 mm Inside Staples

**KTOART77-F6** 0.6 mm Flat Stich Staples

**KTOART77-F8** 0.8 mm Flat Stich Staples

**KTOART77-O6** 0.6 mm Outside Staples

**KTOART77-W6** 0.6 mm Wave Staples

**KTOART77-W8** 0.8 mm Wave Staples

### Auto Body Welding Kit, Thermoflex™ Welding Rod

- Repaired parts are stronger than the original
- Repairs cracks and fractures in plastic and detached holders quickly and easily
- Thermoflex™ rod works with all thermoplastics

**SNT07352** Thermoflex Welding Rod



**SNT07352**

### Auto Body Welding Kit

- Selectable temperature in 10° increments 120–1,200 °F
- Variable airflow 3.6–17.6 CFM
- 1,600 W output
- Precision LCD temperature and airflow selection and read-out
- Microprocessor-controlled heat output
- Exclusive DuraTherm™ heating element for long life and even heat

**SNT51531**

**SNT25598** Heat Gun



**SNT25598**



# Body and Spray Paint Equipment and Supplies

## Plastic Welding



### EZ Nitrogen Welder with Generator

- Eliminates the need for refilling nitrogen tanks and has a smaller footprint; takes up less space in the shop thanks to its onboard nitrogen generator
- Proprietary Flow Adjust Switch Technology (FAST) system makes the DF-EZN1G the easiest nitrogen welder to learn and use
- Simplifies nitrogen welding and eliminates flow adjustments by the user
- High-pressure N2 outlet allows the user to attach air-powered tools to the side of the unit
- A high pressure N2 Outlet gives you the ability to attach air-powered tools to the side of the unit
- This creates a pneumatic source that is highly mobile and can be used all over the shop (must be with reach of an electric outlet to power the onboard generators)

#### DFXDPEZN1G



DFXDPEZN1G

### Nitrogen Plastic Welder

- The F.A.S.T. System makes the DF-EZN1 the easiest nitrogen welder to learn and use; it simplifies nitrogen welding and eliminates flow adjustments by the user to significantly reduce the time to set up the welder and gets the work done fast
- Equipped with two welders, the DF-EZN1 EZ NITRO incorporates both a nitrogen welding torch and an airless welding torch
- The nitrogen torch is air cooled. It is essential to establish and maintain air flow before turning the welder on, and air flow must be maintained until the nitrogen torch cools down. (Usually 10 minutes to cool down after powering down)
- Includes plastic rod in various types and sizes, aluminum tape, and hand seamer
- The cart is equipped with a tank regulator, tank brackets, tank chain, a heat gun holster, and a power strip for powering other tools such as the optional digital set heat gun (DF-900HG) and thermal hot stapler (DF-800BR)

#### DFXDPEZN1

#### DFXAABK015

**DFXAABK03T** ABS Plastic Triangle Rods 3 mm

**DFXAABK09** ABS Plastic Flat Rods 9 mm

#### DFXPCNT015

**DFXPCNT03** Polycarbonate Round Rods 3 mm

**DFXPCNT03T** Polycarbonate Rod 3 mm Triangle

**DFXPCNT09** Polycarbonate Flat Rod 9 mm

**DFXPEBK03** Polyethylene Round Rods 3 mm

**DFXPEBK09** Polyethylene Flat Rods 9 mm

**DFXPEBK15** Polyethylene Flat Rods 15 mm

**DFXPPBK03** Polypropylene Round Rods 3 mm

**DFXPPBK03T** Polypropylene Triangle Rods 3 mm

**DFXPPBK06** Polypropylene Flat Rods For Tab 6 mm

**DFXPPBK09** Polypropylene Flat Rods 9 mm

**DFXPPBK15** Polypropylene Flat Rods 15 mm

**DFXPUNT03** Polyurethane Round Rods 3 mm



DFXDPEZN1

# Body and Spray Paint Equipment and Supplies

## Plastic Welding

### Proheat® Plastic Welding Kit

- Makes fabricating and repairing thermoplastics fast and easy
- Self-contained, general-purpose plastic welding system with everything needed for hot air welding a wide variety of thermoplastic materials, such as rigid and flexible plastics, auto bumpers, tarps, liners, covers, tents, inflatables and more
- Includes five tips for specific welding applications, such as speed welding, pendulum welding, mirror welding and tack welding

**Kit Includes:** MASPH-1400 – Proheat® LCD Dial-in Heat Gun Slit Nozzle Tip Speed Welding Tip 3/8" Reducer 5/8" Reducer 1-1/4" Shrink Welding Rod Assortment (PVC, PP, AB, HDPE, LDPE) Instruction Manual Heavy Duty Storage and Carrying Case  
**MASPH-1400WK**



MASPH-1400WK

### Plastic Welding Kit

- Lightweight and transfers heat through contact versus hot air
- Problematic plastics that absorb water are easier to weld
- No oxidation of parts by hot air
- Thin plastic parts and sheets can be welded, no uncontrolled heat transfer which means less wrinkling in parts to be welded

**Kit Includes:** 2-1/2" x 4" Reinforcement Grid, Plastic Welding Tip, 5" x 8" Acrylnitril-Butadien Styrol Welding Rods, 5" x 8" Acrylnitril-Butadien Styrol Nude Welding Rods, 5" x 8" Polyethylene Welding Rods, 5" x 8" Polypropylene Welding Rods, 5" x 8" Polystyrol Welding Rods, Cordless Soldering Iron, Brass Brush, Allen Key, Cleaning Piston and Instruction Leaflet

- CA residents see page 365 for Proposition 65 warning. ⚠

**OAGPP75 Kit**

### Replacement Parts:

- OAG7011003** ABS Black Welding Rod 8-1/2" (25 pk)
- OAG7011004** ABS Natural Welding Rod 8-1/2" (25 pk)
- OAG7061003** PE (Polyethylene) Black Welding Rod 8-1/2" (25 pk)
- OAG7071003** PP (Polyethylene) Black Welding Rod 8-1/2" (25 pk)
- OAG7101004** PS (Polystyrene) Black Welding Rod 8-1/2" (25 pk)
- OAGRD-1** Reinforcement Grid 2-1/2 x 4" (10 pk)
- OAGWT-1** Plastic Welding Tip



OAGPP75

### Mini-Weld Model 7 Airless

#### Plastic Welder

- The 200W ceramic heating element provides the fastest warm-up time, highest welding temperature and maximum reliability over conventional elements
- Easily fix problem plastics like PP, TPO, PE and others
- Learn how to repair any type of plastic with the included instructional DVD

**URS5700HT Kit**

### Kit Includes:

- URSR010103NT** Polyurethane Rod
  - URSR020103BK** Polypropylene Rod
  - URSR030103WH** ABS Rod
  - URSR040103NT** Polyethylene Rod
  - URSR070103NT** Polycarbonate Rod
  - URSR100403BK** FiberFlex Rod
- Also Available:**
- URS204510** Wire Mesh (10 pk)
  - URS2045W** Stainless Reinforcing Mesh
  - URS6012** Replacement Element (Model 7)
  - URS6012-C** Ceramic Core (Model 7)



URS5700HT



## Pull Rams/Pullers With Hooks

### 5 Ton Pull Ram with Hooks

- Accepts 3/8" chain links Ram Capacity: 5 Ton (pull) Stroke (in): 5.55 GW (lb): 10

**BLK65454**



BLK65454

### Pogo II

- Fast leverage pulling
- One-hand operation
- Core supports repaired quickly
- Fits in your toolbox (overall length 18-3/8")

**STK20099**



STK20099

## Radio Tools

### Removal Keys Available Separately:

**AST3316** Radio Removal Keys for VW® New Body Style Passat®, Jetta® and Golf® Vehicles

**AST3344A** Radio Removal Keys for Audi® A4®, A6®, A8® and New VW® Beetle® Vehicles (two pair)



AST3316

### Radio Removal Kit and Antenna Wrench Kit

- Kit includes the tools needed to remove the radio from the dash on many domestic and import vehicles without damage to the radio or the dash panel
- Antenna nut sockets fit over antennas and down into deep well locations

**KDT41680**



KDT41680

# Body and Spray Paint Equipment and Supplies

## Radio Tools



OTC7575

### Radio Removal Tool Kit for Ford® Vehicles

- Dual-purpose tools release the retaining clips of a radio faceplate, so you can pull the radio from the instrument panel

#### Applicable:

1987–present Mustang®; 1988 and newer Tempo®/Topaz®; 1989–present Lincoln® Continental®; 1990–present Taurus®/Sable®, Ranger®/Bronco II, Probe®, Lincoln® Town Car®, Mark VII®, Crown Victoria®/Grand Marquis®, Thunderbird®/Cougar® vehicles, F-Series® pickup trucks and E-Series® vans; 1991–present Explorer® vehicles; 1995–2003 Windstar® vans

OTC7575



SIRST9015

### O.E. Anti-Theft Radio Key Switch Blade

- Open-ended kit allows for updated keys as needed
- Folds up to fit in your pocket

#### Applicable:

Models up to 2005 on Mercedes®, Porsche® 996 and Boxster® vehicles; new Audi® and VW® vehicles equipped with four horizontal or two vertical slots; Early VW® vehicles; five sided driver for most every BMW®; Special Allen for BMW® E 38 and E 39; "Barbed Hooks" for Ford®, GM®, Saab®, Land Rover® vehicles

SIRST9015

## Riveters



DFXDF-CT887



### Slimline Plastic Riveter

- Perfect for tight places
- Use on vehicles where plastic rivet clearance is minimal
- 1" tall and requires 2" clearance to fully pull rivets
- No pumping needed
- Saves time and disassembly
- Specifically designed for plastic rivets

DFXDF-CT887

## Riveters



GRHAK175A



GRHHK150A



GRHPR75K

### Power Set Pneumatic/Hydraulic Riveter

- The jaw system allows tools to set the full range of rivets, 1/8"–1/4" by merely changing the nose piece

GRHAK175A

GRH202157 Nose Piece, 1/4" Black Oxide

GRH202158 Nose Piece, 5/32" and 3/16"

GRH202929 3 pc Jaw Set

GRH203935 1/4" Dia. Split T Rivet 100 ct

GRH205490 Nose Extension Kit

### Manually Operated Hydraulically Powered Installation Tool

**Kit includes:** Nose pieces for a variety of rivets and is designed for repair and maintenance applications

GRHHK150A

GRH202157 Nose Piece, 1/4" Black Oxide

GRH202158 Nose Piece, 5/32" and 3/16"

GRH202929 3 pc Jaw Set

GRH203935 1/4" Dia. Split T Rivet 100 ct

GRH205490 Nose Extension Kit

### Quick Set Riveter

- Manually operated installation tool for plastic rivets
- Lightweight tool is designed for one-hand operation and will set most plastic rivets in one stroke
- It provides access to areas not accessible with lever type tools

**Kit Includes:** PR-75 and four Starter Packages of Plastic Rivets

GRHPR75K Kit

GRH205176 6.3 mm Plastic Rivets – 100 ct



GRH205400

### Hydraulic Power Riveter Set

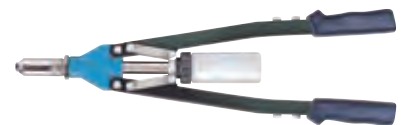
**GRH205400** Includes: Master Shaft Assembly; Turn Nut; – 20 and 10–24 Pull-up Studs and Driving Anvils

**GRH205401** Metric – Includes: Master Shaft Assembly; Turn Nut; 6 mm and 8 mm Pull-up Studs and Driving Anvils

### 1/4" Super Duty Riveters

- Easily sets five sizes of aluminum and steel rivets
- Versatile and easy-to-use
- Long handles for greater leverage
- Comfortable handle grips
- Metal construction and simple design with few moving parts to ensure years of service
- Light weight plastic bottle catches rivet stems
- Nose pieces thread into handles for convenient storage

**SAG19800** 2-1/4" Nose Reach for Standard Use Rivets: 1/8" (3.2 mm), 5/32" (4.0 mm), 3/16" (4.8 mm), 7/32" (6.0 mm) and 1/4" (6.4 mm)



SAG19800

**SAG19808** 1/4" Nose Piece

**SAG19809** 3 pc Riveter Jaws Set

**SAG19830** 5-3/4" Nose Reach to Access Deep Recesses. 1/8" (3.2 mm), 5/32" (4.0 mm), 3/16" (4.8 mm), 7/32" (6.0 mm) and 1/4" (6.4 mm)



# Body and Spray Paint Equipment and Supplies

## Riveters



**SAG19820**

### Riveter Extended Nose Kit

- Replaces the original nose on the SAG19800 super duty riveter
- Installs quickly and easily
- With the new nose length of 5-3/4", the riveter easily reaches into recesses such as grills, bumpers and window regulators

**SAG19820**



**STK21960**

### SPR Insertion Tool Spr Insertion Tool

- High grade hardened steel frame
- Allows technician to control these repair processes without waiting for the hydraulic tools

**STK21960**



**STK21970**

### SPR Extraction Tool Spr Extraction Tool

- High grade hardened steel frame
- Within 3-5 seconds you will see the old SPR come out from the bottom

**STK21970**

## Sanding Boards/Blocks



### 6 pc Dura-Block® Sanding Set

- 100% EVA rubber
- 20 PCF Density
- Great for wet or dry sanding
- Durable, high density foam follows contours or flats
- Designed to accurately block curved or flat panels on any car or truck



**DURAF44A Set**

**Includes:**

**DURAF4400** 11" x 1-3/8" x 3/4"

**DURAF44A**

**DURAF4401** 5-1/2" x 2-5/8" x 1-1/2"

**DURAF4402** 11" x 2-5/8" x 1-1/2"

**DURAF4404** 11" x 1-1/4" Diameter

**DURAF4405** 5-3/8" x 2-1/2" x 5/8"

### 7 pc Dura-Block® Sanding Set

- 100% EVA rubber
- 20 PCF Density
- Great for wet or dry sanding
- Durable, high density foam follows contours or flats
- Designed to accurately block curved or flat panels on any car or truck



**DURAF44L**

### Set Includes:

DURAF4400, DURAF4401, DURAF4402, DURAF4403, DURAF4404, DURAF4405 and DURAF4408S

**DURAF44L Set**

**DURAF4400** 11" x 1-3/8" x 3/4"

**DURAF4401** 5-1/2" x 2-5/8" x 1-1/2"

**DURAF4402** 11" x 2-5/8" x 1-1/2"

**DURAF4403** 16" x 2-5/8" x 1-1/2"

**DURAF4404** 11" x 1-1/4" Diameter

**DURAF4405** 5-3/8" x 2-1/2" x 5/8"

**DURAF4408S** Soap Scrub

### 6 pc Hook-and-Loop Block Set with Soap

**DURAF44HL Set**

**Includes:**

**DURAF4408S** Soap Scrub

**DURAF4417** 1/3" Hook-and-Loop Block

**DURAF4418** 2/3" Hook-and-Loop Block

**DURAF4419** Full Size Hook-and-Loop Block

**DURAF4420** Standard Block

**DURAF4421** Round Block

**DURAF4422** Scruff Block



**DURAF44HL**

### 5 pc Dura-Block® Sanding Set with Instructional DVD

- 100% EVA rubber
- 20 PCF Density
- Great for wet or dry sanding
- Durable, high density foam follows contours or flats
- Designed to accurately block curved or flat panels on any car or truck



**DURAF44XDVD**

### Includes:

**DURAF4401** 5-1/2" x 2-5/8" x 1-1/2"

**DURAF4402** 11" x 2-5/8" x 1-1/2"

**DURAF4403** 16" x 2-5/8" x 1-1/2"

**DURAF4409** 24" x 2-5/8" x 1-1/2"

**DURAF4410** Marine 30" x 2-5/8" x 1-1/2" DVD

**DURAF44XDVD Set**

### Tear Drop Block

- 100% EVA rubber
- 20 PCF Density
- Great for wet or dry sanding
- Durable, high density foam follows contours or flats
- Designed to accurately block carved or flat panels on any car or truck
- 11 x 2-1/8"

**DURAF4406**



**DURAF4406**

### Dura-Block® Sanding Block

- 100% EVA rubber
- 20 PCF density
- Great for wet or dry sanding
- Durable, high density foam allows contours or flats

### Dura Disc

- 5/8" H x 2-1/2" W x 6" L
- Designed to accurately block curved or flat surfaces
- To be used with six round paper

**DURAF4411** Dura Disc

### 1/3" Radius Block

- 1-3/4" H x 2-5/8" W x 5-1/2" L
- Curved face block is designed to follow slightly curved or flat panels without digging fill material
- Accepts 2-3/4 PSA sticky paper

**DURAF4412** 1/3" Radius Block

### 1/3" Hook-and-Loop Block

- 1-1/2" H x 2-5/8" W x 5-1/2" L
- Hook-and-loop series block has been designed to flex with the contour of any car

**DURAF4417** 1/3" Hook-and-Loop Block

### 2/3" Hook-and-Loop Block

- 1-1/2" H x 2-5/8" W x 11" L
- Hook-and-loop series block has been designed to flex with the contour of any car
- Features a unique pad placement allowing for optimal accuracy

**DURAF4418** 2/3" Hook-and-Loop Block

### Full Size Hook-and-Loop Block

- 1-1/2" H x 2-5/8" W x 16" L
- Hook-and-loop series block has been designed to flex with the contour of any car

**DURAF4419** Full Size Hook-and-Loop Block



**DURAF4411**



# Body and Spray Paint Equipment and Supplies

## Sanding Boards/Blocks

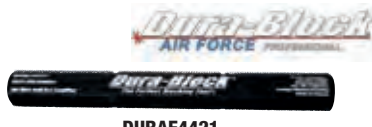


**DURAF4420**

### Standard Size Hook-and-Loop Block

- Designed to follow contours or flats
- No dents, no ripples
- Uses 2-3/4" wide hook-and-loop paper
- Size: 3/4" H x 1-3/8" W x 11" L

**DURAF4420** Standard Block



**DURAF4421**

### Round Hook-and-Loop Block

- Round hook-and-loop series block
- Sand and block highly curved surfaces
- Uses 2-3/4" wide hook-and-loop paper
- Size: 11" L
- Thickness: 1-1/4"

**DURAF4421** Round Block



**DURAF4422**

### Hook and Scruff Pad

- Designed for sanding and prep work
- Allows for easy use and much improved durability and firmness
- Uses 2-3/4" wide hook-and-loop paper
- Size: 1/2" H x 2-1/2" W x 5-3/8" L

**DURAF4422** Scruff Block



**HUT5501**

### Model PF-16

- Nearly indestructible cyclolac plastic for flexibility and long life
- Flat surfaces or curves
- Wet or dry sanding
- Uses standard 2-3/4" x 16" sandpaper

**HUT5501** PSA/clipon

**HUT5501H** Hook



**HUT5502**

### Model AF-16

- Tempered aluminum with cushioned base
- Wet or dry sanding
- Uses 2-3/4" x 16" sandpaper

**HUT5502** PSA/clipon

**HUT5502H** Hook

**HUT5515** Replacement Handle



**HUT5504**

### Model AF-11

- All-purpose sanding
- Specification aluminum base with rubber cushion
- Wet or dry sanding
- Uses 2-3/4" x 11" sandpaper

**HUT5504** PSA/clipon

**HUT5504H** Hook



**HUT5506**

### Model AF-8

- Great for small areas
- Tempered aluminum base permits wet or dry sanding
- Long life for smart investment
- Uses 2-3/4" x 8" sandpaper

**HUT5506** PSA/clipon



**HUT5510**

### Model S-11

- Medium radius file
- For concave areas
- Not for wet sanding
- Uses 4-1/2" x 11" sheets

**HUT5510**



**HUT5511**

### Model C-11

- Broad radius file for gentle curves
- Uses 4-1/2" x 11" sheets
- Not for wet sanding

**HUT5511**



**HUT5512**

### Model R-11

- Small radius file for intricate curves
- Not for wet sanding
- Uses 3" x 11" abrasives

**HUT5512**



**MALCSH5**

### Conform Sander

- Block can be set and reset by hand
- Generous gripping area for even pressure sanding
- Flexible slide interface prevents buckling or tearing of abrasive paper
- Non-marring block and slide are impervious to solvents

**MALCSH5** 5" Conform Sander

**MALCSH8** 8" Conform Sander



**STY0324**

### Soft-Sanders™

- Soft rounded edges eliminate gouging
- Super lightweight and designed for comfort no matter how they are held
- Extremely durable and resistant to most solvents
- Tapered edges for sanding those hard-to-access areas

**STY0516** 16"

**STY0704** 16"  
**STY0324** 24"



**STY0701**



**STY0702**

**STY0703**

### 6 pc Set of Soft-Sanders™ Sanding Blocks

- Soft rounded edges eliminate gouging
- Super lightweight and designed for comfort no matter how they are held
- Extremely durable and resistant to most solvents
- Tapered edges for sanding those hard-to-access areas
- Six blocks of three different densities vary in firmness while soft enough to be compressed into places that are hard to sand

**Includes:** Six blocks of three different densities 3 pc of Super-Flex™ sandpaper Use with adhesive-backed or wet or dry sandpaper

**STY0701** 5"

**STY0702** 8": Sand large curved (high crown) areas with ease, blocks conform to the surface being sanded; blocks will maintain curvature until sandpaper is removed

**STY0703** 11": Sand large curved (high crown) areas with ease, blocks conform to the surface being sanded; blocks will maintain curvature until sandpaper is removed

**STYA308** 8" – Contains one Soft-Sander™ block and nine sheets of sandpaper (one each grit): 80, 150, 400, 800, 1000, 1200, 1500, 2000 and 2500

# Body and Spray Paint Equipment and Supplies

## Sanding Paper

### 12 pk Super-Flex® (cloth) Sandpaper

- Specially formulated adhesive, cloth-backed sandpaper that has been pre-flexed, enables you to sand even the most demanding contour
- Super flexible J-weight sandpaper is extremely pliable, will not tear or crack while being applied
- Does not load up and lasts five times longer than ordinary sandpaper

**STY0153** 5" 80 Grit  
**STY0154** 5" 100 Grit  
**STY0155** 5" 120 Grit  
**STY0156** 5" 150 Grit

**STY0157** 5" 180 Grit  
**STY0159** 5" 320 Grit  
**STY0252** 10" 60 Grit  
**STY0254** 10" 100 Grit  
**STY0255** 10" 120 Grit  
**STY0256** 10" 150 Grit  
**STY0257** 10" 180 Grit  
**STY0259** 10" 320 Grit  
**STY0353** 15" 80 Grit  
**STY0354** 15" 100 Grit  
**STY0355** 15" 120 Grit  
**STY0357** 15" 180 Grit  
**STY0358** 15" 220 Grit

**STY0359** 15" 320 Grit  
**STY0452** 8" 60 Grit  
**STY0454** 8" 100 Grit  
**STY0455** 8" 120 Grit  
**STY0456** 8" 150 Grit  
**STY0457** 8" 180 Grit  
**STY0458** 8" 220 Grit  
**STY0459** 8" 320 Grit  
**STY0552** 11" 60 Grit  
**STY0555** 11" 120 Grit  
**STY0556** 11" 150 Grit  
**STY0557** 11" 180 Grit  
**STY0559** 11" 320 Grit

**STY0153**

**Super-Flex®**  
**Sandpaper**  
 ADHESIVE-BACKED



## Sanding Sticks (Contoured)

### Contoured Sanding Sticks

- Style lines in half the time
- Match your vehicle's original body style lines
- Styx match vehicle's body style lines on vehicles spanning 1978-2000 (including light trucks and SUVs)
- Each stick may sand up to 120 different style lines

**Each Set Includes:** Six Style-Styx™ sanding sticks, One roller (sandpaper application), 8 pc of super-flex sandpaper, One vehicle application book

**STY080110** 10" Domestic Set

**STY080115** 15" Domestic Set

**STY08015** 5" Domestic Set

**STY110110** Ford® – 10" Domestic Individual Style-Styx™ sanding stick

**STY210110** GM® – 10" Domestic Individual Style-Styx™ sanding stick

**STY310115** Chrysler® – 15" Domestic Individual Style-Styx™ sanding stick

**STY41025** Asian – 5" Foreign Individual Style-Styx™ sanding stick



**STY080110**

## Soft-Sanders™

### Soft-Sanders™

- Soft rounded edges eliminate gouging
- Super lightweight and designed for comfort no matter how they are held
- Extremely durable and resistant to most solvents
- Tapered edges for sanding those hard-to-access areas

**STY0120** 20"

**STY0124** 24"

**STY0320** 20"

**STY0424** 24"

**STY0520** 20"

**STY0524** 24"

**STY0616** 16"

**STY0620** 20"



**STY0524**

**STY0616**

**STY0620**

## Spot Weld Clamps

### Spot Weld Drill Grip, Collar

- Applies leverage for drilling spot welds and weld plug holes
- All the benefits of a spot well drill without the expense
- Works with most 3/8" and 1/2" air drills

**KTOART125-C** Collar



**KTOART125-C**

## Spot Weld Cutters/Breakers



**MHW60005**

### 2 pc Dominator® Weld Wakker™ Seam Cutting Chisel Set

**MHW42020** 11-3/4" L, 1" Cut, 3/8" Steel

**MHW60005** Set



**SAG18000**

### 3/8" Rotary Spot Weld Cutter

- Quickly removes the spot weld holding sheet metal
- Has double-ended 3/8" blade and 1/4" arbor with retractable pilot
- Arbor fits all 1/4" drills

**SAG18000**



**SAG18025**

### Spot Weld Cutter Replacement Blades

- Package of three 3/8" double-ended cutting blades for SAG18000 spot weld cutter

**SAG18025**

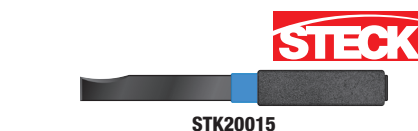


**SAG18050**

### Spot Weld Cutter Maintenance Kit – 3 Each Pilot Pins and Springs

- Kit consists of three pilot pins and three springs for SAG18000 spot weld cutter

**SAG18050**



**STK20015**

### SeamBuster

- Easily separate spot welded or bonded panels
- Save up to 15 minutes per panel replacement
- For quarter panels, rockers and any other pinch welds
- Sharpened on two edges
- Allows for penetration between the panels and the side edge allows for side impact to drive the panels apart without damage
- Cushioned handle absorbs shock
- Super tough alloy steel

**STK20015**

# Body and Spray Paint Equipment and Supplies

## Spot Weld Cutters/Breakers

### Right Angle SeamBuster

- 90° angle along with a third sharpened edge
- Easy access to the hard-to-reach pinch welds
- Three sharpened edges designed to allow bi-directional hammer use on quarter panels, rockers and any other pinch weld
- Sharp end allows for penetration between the panels
- Two lower edges allows for side impact to drive the panels apart
- Cushioned shock-absorbing handle
- Saves the technician up to 15 minutes per panel

STK20016

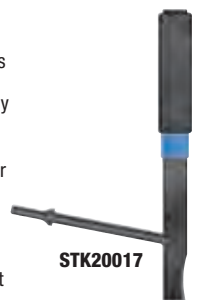


STK20016

### Super SeamBuster

- Attach to any air hammer for faster and more efficient separating of quarter panels, rockers, bonded door skins and any other pinch welds (Note: Spot welds must still be drilled out first before using Super SeamBuster or any SeamBuster product)
- Sharpened on two edges
- Allows for penetration between the panels and the lower edge allows for side impact to drive the panels apart
- Reduces technician arm fatigue and speeds the operation over traditional hammer and chisel removal techniques
- Super tough alloy steel and has a cushioned handle that absorbs the shock

STK20017



STK20017

**STECK**

## Spray Gun Cleaners

### Brush Set for Spray Gun Orifices

- Specially designed brushes for cleaning small air passages on air caps and fluid tips
- Can be used on small orifices found on engines, such as throttle bodies and carburetors
- Includes five brushes with these diameters: 1/16, 3/32, 1/8, 5/32 and 3/16"
- Durable nylon bristles for long-lasting use

SAG17000



SAG17000

### Spray Gun Cleaning Kit

- Kit contains all necessary brushes and tools to effectively clean spray guns including HVLP paint spray guns
- Can also be used to clean gravity feed, siphon and undercoating guns

SAG17280

**TOOL AID®**  
PROFESSIONAL AUTOMOTIVE PEOPLE



SAG17280

## Spray Guns and Accessories

### Air Undercoat Gun

- Applies a top quality undercoat to vehicles to fight rust and stone chips
- Applies all popular brands of undercoat of any viscosity
- Quick disassembly for faster clean-up
- Weight: 0.65 lb

APT4538



APT4538

### HVLP Spray Guns

- Forged body provides longer tool life
- Anodized body for corrosion protection
- Stainless steel needle and fluid tip
- Low overspray (bounce back)
- Great transfer efficiency
- Quick thread technology

#### Specifications:

Cup Capacity: 600 mL Operation Pressure: 29 PSI Gun Dimensions: 7" W x 5-3/4" H (175 mm x 145 mm) Air Inlet Thread NPT: 1/4" Max Pattern at 4-7" Distance: 9-10-1/4" (230-260 mm)

APTEUROHV105 1.5 mm

APTEUROHV107 1.7 mm



APTEUROHV105

### 1.6 mm Primer Surfacers Gun

- Fine atomization for primers and surfacers
- Extremely low overspray
- Very flat finish so sanding is minimal and smooth
- Low operating PSI

AYS3950



AYS3950

**ANEST IWATA**

### 1.4 mm Sealer/Clear Gun

- Compact size and lighter weight reduces fatigue when spraying
- Unsurpassed in transfer efficiency for spraying primer and sealer
- Excellent for top coats, NGR stains, and industrial basecoats
- Produces an extremely smooth sealer finish to significantly reduce orange peel
- Flat, smooth fan pattern with a tight edge creates a soft transition edge when used for spot applications
- High transfer efficiency due to LV technology means lower material cost per repair
- Compatible with the 3M® PPS® cup system

AYS3945



AYS3945

### 1.3 mm Clear/Sealer Gun

- Fine atomization for sealers and wet beds
- Clear coat atomization
- Low overspray
- Low operating PSI

AYS3955



AYS3955

### 1.8 Primer Surfacers Gun

- Heavy filling primer spray gun
- Very smooth surface
- Low air pressure and cfm
- Small, compact easy to handle gun

AYS3960



AYS3960

**ANEST IWATA**



# Body and Spray Paint Equipment and Supplies

## Spray Guns and Accessories



### W400 LV Compliant Series Spray Gun

- Center post gravity spray gun with SS fluid passages
- LV Technology with High-TEC standard to give you high transfer efficiency control and fast application speed
- Usage: fine atomization, clear coat and single stage

**AYS4755** 1.3 mm Spray Gun; Extra Fine Atomization for HS Clear Coats

**AYS4760** 1.4 mm Spray Gun; Fine Atomization for HS Clear Coats

**AYS5650** Repair Kit for LPH400 LV Guns

**AYS6033E** 700ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS6034E** 1000ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS93512600** L Gasket for LPH400 LV Guns



**AYS4755**

### 1.2 HVLP Mini Touchup Spray Gun

- Low pressure gun 14 PSI
- Minimum overspray
- Fine atomization and application
- Low operating PSI
- Large 6" fan for miniature style gun
- Small damage repair gun

**AYS4925**



**AYS4925**

### LPH80 HVLP Series Spray Gun

- Ideal for large backgrounds, spot repair, blending, shading and touch-up
- Spray patterns ranging from 1-11/64" round pattern to a full 5-1/2" fan pattern
- Works for base coat and clear coats
- Usage: graphics, touch-ups and shading

**AYS4930** 1.2 mm Spot Repair Spray Gun

**AYS2860** Service Repair Kit for LPH80 Guns

**AYS6036D** 150ml Aluminum Cup SST Fluid Joint for LPH80



**AYS4930**

### LPH400 LV Series Spray Gun

- HVLP spray gun
- Low air consumption
- Superior atomization

**AYS5540** 1.2 mm Fine Spray Gun

**AYS5550** 1.4 mm Clear Coat Spray Gun

**AYS5640** 1.3 mm Clear Coat Spray Gun

**AYS5650** Repair Kit for LPH400 LV Guns

**AYS6033E** 700ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS6034E** 1000ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS93512600** L Gasket for LPH400 LV Guns

**AYS93548700** Air Cap Base Coat



**AYS5540**

### LPH400 LVX Series Spray Gun

- Engineered atomization for solvent base coats
- LVX orange cap provides excellent coarse atomization for metallics and pearls

**AYS5660** 1.3 mm Base Coat Spray Gun

**AYS5670** 1.4 mm Base Coat Spray Gun

**AYS5650** Repair Kit for LPH400 LV Guns

**AYS6033E** 700ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS6034E** 1000ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS93512600** L Gasket for LPH400 LV Guns

**AYS93874601** Air Cap Clear Coat



**AYS5660**

### WS400 Supernova Series Spray Gun

- The best atomization for clearcoat and single stage
- Huge dense fan pattern
- Compliant spray gun with very fast application speed
- Excellent transfer efficiency

**AYS5900** WS400-1201 HD Gun Only

**AYS5905** WS400-1301 HD Gun Only

**AYS5910** WS400-1401 HD Gun Only

**AYS5920** Basecoat Gun Only

**AYS6032D** 700ml Aluminum Cup SST Fluid Joint for Supernova

**AYS6038D** 1000ml Aluminum Cup SST Fluid Joint for Supernova

**AYS93505300** WS-400-01 Replacement aircap for WS400



**AYS5900**

### Supernova Entech® Spray Gun

- HVLP Technology-10 PSI at the nozzle
- Concentrated coarse atomization
- Excellent for solvent or waterborne base coat application
- Large fan pattern
- Superior transfer efficiency unequalled
- Compatible with the 3M® PPS® cups system (Adaptor Type 43)

**AYS5930** 1.2 mm HVLP Waterborne Basecoat

**AYS5935** 1.3 mm HVLP Waterborne Basecoat

**AYS5940** 1.4 mm HVLP Waterborne Basecoat

**AYS5945** 1.5 mm HVLP Waterborne Basecoat

**AYS5652** Service Repair Kit for Supernova Guns

**AYS6032D** 700ml Aluminum Cup SST Fluid Joint for Supernova

**AYS6038D** 1000ml Aluminum Cup SST Fluid Joint for Supernova

**AYS93505341** L Gasket for Supernova Guns

**AYS93512100** LS-400 Replacement aircap for LS 400 Entech®



**AYS5930**

### IWATA® Spray Gun Accessories

**AYS6032D** 700ml Aluminum Cup SST Fluid Joint for Supernova

**AYS6033E** 700ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS6034E** 1000ml Aluminum Cup SST Fluid Joint for LPH400LV, LPH400LVX and W400LV

**AYS6038D** 1000ml Aluminum Cup SST Fluid Joint for Supernova

**AYS8130B** Compact Air Flow Control Valve

**AYS94007321** Paint Cup Lid for Aluminum Cups AYS6036D

**AYS94008321** Paint Cup Lid for Aluminum Cups AYS6032D, AYS6033E, AYS6034E, AYS6038D



**AYS6032D**



# Body and Spray Paint Equipment and Supplies

## Spray Guns and Accessories

### Air Regulator

- Precision regulator
- To be used with all Anest Iwata® guns
- Operates at low PSI

**AYS8131B**



**AYS8131B**



### 1.3 mm Clear/Sealer Gun

**AYS93512300** Air Cap Base Coat

**AYS93512320** Air Cap Clear Coat

**AYS93512960** Air Cap Hybrid Base Coat



### Spray Gun Adaptors for DURCE500

- Used with spray guns having cup connection threads 3/8" male, 18 thread, including Sharpe® Cobalt HVLP (USA), Platinum HVLP, Titanium T-1 HVLP, SGF-98 and Snap-on® BF900EXC6 and other 3/8" male, 18 thread

**DURCE-1** Used with spray guns having internal cup connection threads 3/8" male, 19 thread, including most Binks®, DeVilbiss®, Ecco®, Sharpe® and Graco® guns and others with 3/8" male, 19 thread (British Std. Pipe)

**DURCE-2** Used with SATA® 2000 series. The 3000 series can be used in conjunction with SATA® QCC adaptor model #96719

**DURCE-3** Used with spray guns having cup connection threads 16 mm male, 1.5 mm thread, including DeVilbiss® Finishline FLG-1 and others. 3/8" male, 18 thread

**DURCE-4**



**DURCE-1**



**DURCE-3**



**DURCE-2**



**DURCE-4**



### Cup Eliminator

- Perfect disposable paint cup engineered to fit all full size gravity feed spray guns with 16 mm female, 1.5 mm thread

**Includes:** Older model SATA® Current models: Iwata®, Mark I, Air Force, Dura-Block®, AIDR, Advantage, AirVerter®, AES, AmPro®, Astro-M-Star, ATD®, CA Technologies, Campbell, Cent-Neu, Goni®, Husky, Ingersoll Rand®, M-Star, MacEconocoat, Matco®, MSB, Nesco®, Porter Cable®, Nikota, Sharpe®, Sunex®, TremPro®, Vaper®, Warwick, Spray-It and Star-III Guns and many others with 16 mm female, 1.5 mm thread

**DURCE500**



**DURCE500**



### Diaphragm Air Regulator

- For precise air regulation at the spray gun – both conventional and HVLP
- 22 CFM capacity
- True diaphragm regulator prevents surges and delivers constant pressure
- Gauge ranges: 0-160 PSI and 0-11 bar
- Inlet: 1/4" NPT male
- Outlet: 1/4" NPT female



**SAG98350**

**SAG98350**

### Razor® Premium LVLP Spray Gun

- Extremely smooth spray pattern for superior finishes
- Capable of atomizing a broad range of coatings from primer, base to clear
- Ergonomic gun handle, light-weight and low tripper pull for ultimate painter comfort
- 100% stainless steel fluid passages, needle and nozzle for water base/bourne materials
- Nickel-plated finish and 23 oz polished aluminum gravity cup for easy cleaning

- 3M® PPS® adaptor included
- Gun washer safe, explosion proof and shock proof-meets VOC legislation worldwide

**SHP253427** 1.3 mm, Base Coat, High Solid, Single Stages and Clear Coat

**SHP253428** 1.4 mm, Base Coat, Clear Coat, Single Stages, Sealers and Low Solid Clear



**SHP253427**



### Razor® Premium HVLP Spray Gun

- Extremely smooth spray pattern for superior finishes
- Capable of atomizing a broad range of coatings from primer, base to clear
- Ergonomic gun handle, lightweight and low tripper pull for ultimate painter comfort
- 100% stainless steel fluid passages, needle and nozzle for water base/bourne materials
- Nickel-plated finish and 23 oz polished aluminum gravity cup for easy cleaning
- 3M® PPS® adaptor included
- Gun washer safe, explosion proof and shock proof-meets VOC legislation worldwide

**SHP253433** 1.3 mm, Base Coat, High Solid, Single Stages and Clear Coat

**SHP253434** 1.4 mm, Base Coat, Clear Coat, Single Stages, Sealers and Low Solid Clear

**SHP253435** 1.5 mm, Base Coat, Sealers, Enamels, Medium to High Viscosity and Clear Coat



**SHP253433**

### Razor® HVLP Primer Spray Gun Primer Offering from Flagship Razor® Gun Platform!

- Offers superior spray performance
- Well balanced, 1 pc gun body design
- Ergonomically designed handle to reduce fatigue
- Optimized trigger pull for precision feathering

**SHP253437** 1.5 mm

**SHP253438** 1.8 mm

**SHP253439** 2.3 mm



**SHP253437**

# Body and Spray Paint Equipment and Supplies

## Spray Guns and Accessories



### Razor® Compliant Spray Gun

- Extremely smooth spray pattern for superior finishes
- Provides the perfect blend of first-rate atomization and transfer efficiency for a flawless Base Coat application and Clear Coat finishes
- Ergonomic gun handle, lightweight, and low tripper pull for ultimate painter comfort
- 100% stainless steel fluid passages, needle and nozzle for water base/bourne materials
- Nickel-plated finish and 23 oz polished aluminum gravity cup for easy cleaning
- 3M® PPS® adaptor included
- Gun washer safe, explosion proof and shock proof-meets VOC legislation worldwide

**SHP253442** 1.3 mm, Base Coat, High Solid, Single Stages and Clear Coat

**SHP253443** 1.4 mm, Base Coat, Clear Coat, Single Stages, Sealers, Low Solid Clear and Clear Coat



**SHP253442**

### Razor® Conventional Spray Gun

- Lower transfer efficiency when compared to HVLP, LVLP and Compliant technology
- Finest finish quality and highest production rates
- Ergonomic gun handle, lightweight, and low trigger pull for ultimate painter comfort
- 100% stainless steel fluid passages, needle and nozzle for water base/bourne materials
- Nickel-plated finish and 23 oz polished aluminum gravity cup for easy cleaning
- 3M® PPS® adaptor included
- Gun washer safe, explosion proof and shock proof-meets VOC legislation worldwide

**SHP288281** 1.4 mm, Base Coat, Clear Coat, Single Stages, Sealers, Low Solid Clear and Clear Coat



**SHP288281**

### Razor® Siphon Feed HVLP Spray Gun

- Extremely smooth spray pattern for superior finishes
- Capable of atomizing a broad range of coatings from primer, base to clear
- Ergonomic gun handle, lightweight and low trigger pull for ultimate painter comfort
- Long-term affordability with ultra long life needle packing
- Includes spray gun and cup assembly

**SHP287961** 2.2 mm, Primer, High Viscosity



**SHP287961**

### Finex™ 1.4 HVLP

- Full size HVLP spray gun for larger jobs
- Large pattern size up to 12-1/2"
- Includes gun, 600cc aluminum cup, wrench and cleaning brush

**SHP288880**

**SHP288896** Gun Rebuild Kit



**SHP288880**

### Razor® Waterborne Spray Gun

- Optimized for waterborne or water base paint
- 100% stainless steel fluid passages and stainless steel needle and nozzle
- Offers long-term affordability with ultra long life needle packing and low cost of ownership due to cost effective repair parts
- Nickel-plated finish allows for easy cleaning
- 3M® PPS® adaptor and 23 oz plastic gravity cup included
- HVLP technology air cap technology optimized for waterborne or water base paint
- Superior atomization for material distribution
- Ergonomic gun handle, lightweight and low trigger pull for ultimate painter comfort

**SHP289389** 1.3 mm, HVLP Waterborne Base Coats

**SHP289390** 1.2 mm, Waterborne Compliant



**SHP289389**

## Stud Welding



### Maxi Dent Pulling Station

- 220 V single phase dent pulling station provides the technician with the power needed to shrink, pull rocker panels, hail damage, creases, dents in hard-to-access areas
- Versatile tool will weld pins, weld a slide hammer directly to the panel, weld a light pulling rod, weld wiggle wire for even crease pulling, weld a rod for leverage pulling and shrink metal

**Includes:** 220v Maxi Unit, Leverage Puller, (2) Pulling Rods, (2) Slide Hammer Rods, Strike Weight, Shrinking Electrode, Stud Pin Electrode, Wiggle Wire Welding Tip, Eyelet Electrode, Magnetic Key Tip, Nine-Finger Bear Claw, Four-Finger Bear Claw, (50) Sample Stud Pins, 1lb of Wiggle Wire, Grounding Magnet

**DFX-DF505**

**DFX-DF509** Cart



**DFX-DF505**



**DFX-DF509**

### Alu-Spot Aluminum Dent Repair System

- Contains everything you need for aluminum repair in one convenient location
- Lockable station storage cart keeps tools safe and separate
- The Eliminator In-line Driver (DF-700T) uses fiber discs
- Digital temperature set heat gun
- Infrared non-contact thermometer with laser guide
- Body file holder and 350 mm flat flexible file
- Stainless steel brush

**Includes:** 110 V Capacitor Discharge Welding Unit – Welding gun with integrated ground electrodes, Digital (LCD) display, 17' of welding cable, 5' of power cord

Locking Squeeze Type Pulling Handle – Four self-locking pulling nibs, Crease pulling rod for nibs, 500 Alu-Studs M-4x25 AL-MG 3, 500 Alu-Stud Al-Si M-4x25, Leverage Puller, Hand Puller Storage Cart – Hinged protective top with lock, Two drawers with die cut foam inserts

5 Polished Hammers – 35 mm dead blow hammer, Curved peen and finishing hammer, Pick and finishing hammer, Reverse curve hammer, 22 mm soft face hammer

5 Polished Dollies – Thin toe dolly, Double-end hand dolly, Utility dolly, Curved dolly, Heel dolly

3 Nylon Dollies – Double-end nylon dolly, Round head chisel nylon dolly, Bolster head nylon dolly

**DFX-DF900DX**



**DFX-DF900DX**

# Body and Spray Paint Equipment and Supplies

## Stud Welding



### Starter Kit Plus

- Entry-level 1150 W gun and starter tip
- Used as a base to build a stud pulling system
- Features the Uni-Spotter exclusive "Stud Technology" to keep stud from falling out of the gun
- Includes 500 studs, welding tip and slide hammer

### HSA4550

**HSA1004** Stud Welding Tip

**HSA1016** HD Slide Hammer

### Uni-Spotter 5500 Stinger Plus

- The Uni-Spotter 5500 Stinger Plus is a complete mid-range kit featuring a powerful 1150 watt gun
- Designed for the body technician that wants an individual kit
- The 5500 Stinger Plus kit features the Uni-Spotter exclusive Stud Ease Technology
- Stud Ease holds the welding stud in the welder, regardless of the direction the welder is pointed
- No longer does the stud fall out of the welder when the welder is pointed in a downward direction
- This complete kit includes (1000) studs, (3) tips, (1) ground collar and (2) pullers



### HSA5500 Kit

#### Includes:

**HSA1001** 2.2 mm Flexpert Welding Studs – 500 pk

**HSA1002** Heavy Weight Welding Studs (500 pk)

**HSA1004** Stud Welding Tip

**HSA1005** Molding Rivet Welding Tip

**HSA1007** Shrinking Tip

**HSA1016** HD Slide Hammer

**HSA1045** Side-by-Side Adaptor



HSA5500

### Uni-Spotter 9000 Deluxe Plus

- Performance, durability and power
- Full weight transformer step up, low line voltage
- Uni-Spotter is 50–60% more powerful stud gun
- Super-sensitive trigger switch gives infinite control to prevent burn-through
- Built with the highest quality components to our strict quality standards



### HSA9000 Kit

#### Includes:

**HSA1001** 2.2 mm Flexpert Welding Studs – 500 pk

**HSA1002** Heavy Weight Welding Studs (500 pk)

**HSA1004** Stud Welding Tip

**HSA1005** Molding Rivet Welding Tip

**HSA1007** Shrinking Tip

**HSA1016** HD Slide Hammer

**HSA1045** Side-by-Side Adaptor

**HSA1095** Mini Puller



HSA9000

### Auto-Spot Stud Welder

- Perfect auto dent pulling system for all steel alloy panels, lots of power and control in a portable system
- Touchpad digital control system sets pins or tabs securely, regardless of metal thickness, without burn-thru or pitting
- Lightweight torch with flexible cables and adjustable power to 3000 amps allows work on all panels in any location
- Touchpad control for easy selection of weld power and time by pin, washer or wire in auto or manual
- Exclusive Auto slide-hammer sets pin on contact, pull and release allows technician to walk-the-panel for quick repairs
- Easy set ground cable spot-lug with brass screw collar assures positive contact at any point on any surface profile
- 230 V operation
- Dimensions: 8.65" x 11" x 13-1/2"
- Weight: 50 lb



### HSA9500

**HSA1004** Stud Welding Tip



HSA9500

### Entry Level Stud Welder Kits

- 120 V 1Ph 60Hz
- Features exclusive Magna Pin System which provides a convenient and secure holder for pins both on the case and in the electrode tip
- J01000 series welder
- Stud electrode tip
- Storage carton

**Entry Kit Includes:** Thumb-wheel slide hammer, 100 pk 2.0 mm draw pins

**MGUJ01000** Entry Kit

**MGUJ01050** Entry-Plus Kit



MGUJ01000

### Professional Plus Stud Welder Kit

- 120 V 1Ph 60 Hz
- Features exclusive Magna Pin System which provides a convenient and secure holder for pins both on the case and in the electrode tip
- J01500 series welder
- Deluxe twist-lock slide hammer
- T-Puller for hand pulling
- Stud, shrink and rivet tips
- Magna wire adaptor kit
- 250 pk 2.0 and 2.5 mm studs
- 150 pk molding trim rivets
- Molded carry case



MGUJ01525



# Body and Spray Paint Equipment and Supplies

## Stud Welding Accessories

### Stud Welding Pins

- Original pins that come with the Spitznagel stud welder
- Soft and flexible
- All pins are steel core for pulling strength and copper-coated for conductivity and corrosion resistance
- Heads of pins are pointed and conically shaped, a design that offers better adhesion to the metal
- 1,000 per box

**DFX-DF20** 2.0 mm, Rated to 400 lb

**DFX-DF26** 2.6 mm, Rated to 600 lb



**DFX-DF20**

### Heavy Weight Welding Studs (500/box)

- Mid-range kit features powerful 1150 W gun
- Designed for the body technician that wants an individual kit
- Features the Uni-Spotter exclusive Stud Ease Technology to keep stud from falling out of gun
- This complete kit includes 1000 studs, 3 tips, ground collar & 2 pullers

**HSA1002** Heavy Weight Welding Studs (500 pk)



**HSA1002**

### Stud Welding Accessories

- Allows studs to be welded side-by-side, bending the stud sideways, while welding the next stud
- Use in conjunction with HSA1080 Uni-Clamp multi-stud puller, increasing the pull strength and size of the pull area
- Extend-A-Tip designed with Stud Ease Technology holds stud in place
- Corrosion-resistant copper coating
- For use on all Uni-Spotter stud welder tips, HSA1004, HSA1005, HSA1007

**HSA1045** Side-by-Side Adaptor



**HSA1045**

### Uni-Tab Steel Weld-On Pull Tabs

- Can be used to repair small or large damage
- Weld multiple tabs side by side to pull the entire dent at one time
- Repair panels which were not previously repairable
- Progressively pull dents to achieve a flat even surface when finished
- Can be used with H&S Autoshot Pulling Bridges or other forms of applied power pulling
- Quickly and cleanly remove the tabs when the pull is completed
- Tabs are reusable

**HSA1062** Twisted Uni-Tab Steel Weld-On Tabs



**HSA1062**

### Uni-Clamp

- Use on multiple studs increasing pulling strength
- Designed to progressively pull dents
- Pulls up to 11 studs at once
- Use with a pulling tower or other applied power

Includes:

**HSA1080**

**HSA1001** 2.2 mm Flexpert Welding Studs – 500 pk

**HSA1002** Heavy Weight Welding Studs (500 pk)

**HSA1004** Stud Welding Tip



**HSA1080**

**HSA1005** Molding Rivet Welding Tip

**HSA1007** Shrinking Tip

**HSA1016** HD Slide Hammer

**HSA1095** Mini Puller

### Flexpert Welding Studs (500/box)

- 2.2 mm for regular sheet metal damage
- Designed for easy removal after pulling
- Corrosion-resistant copper coating assists in welding process
- Special 5 process alloy for super flexibility
- 500 lb fusion strength with 1,500 lb tensile strength
- Designed for all Uni-Spotter stud welders

**HSA1001** 2.2 mm Flexpert Welding Studs – 500 pk

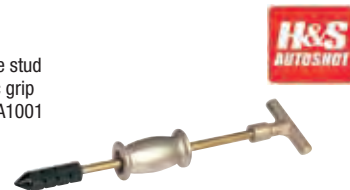


**HSA1001**

### Deluxe T-Handle Slide Hammer

- Turn and lock design firmly grips the stud
- T-handle for comfortable ergonomic grip
- Built-in collet jaws designed for HSA1001 and HSA1002 studs

**HSA1016** HD Slide Hammer



**HSA1016**

### Uni-Tab Steel Weld-On Pull Tabs

- Weld on tabs, straight design for heavy hit and structural pulls on automotive rocker panels, doors, rear quarters, gates and trunk lids
- Used with all uni-spotter stud welders and the UNI-9850 alum/steel combination dent repair station
- Convenient closeable clamshell in quantities of 100 (by weight)

**HSA1061**



**HSA1061**

### Uni-Tab Welding Adaptor

- Use with HSA1061 and HSA1062 Uni-Tabs
- Works with all Uni-Spotter Stud Welders
- Easy installation and removal
- Quickly weld down multiple Uni-Tabs
- Adaptor rotates on welder for easy convenient exact tab placement
- Weld tip insulated to allow welding studs close together when building pulling blocks
- No need to buy a large welder to weld down new Uni-Tabs

**HSA1063**



**HSA1063**

### Uni-Pull Quick Bridge Puller

- High strength, lightweight 3-claw aluminum bridge puller
- One hand knob screw for positive position lifting
- Swivel padded feet for multiple panel contours

**HSA1091** 12"

**HSA1092** 32"

**HSA1093** 48"



**HSA1091**

**HSA1092**

**HSA1093**



# Body and Spray Paint Equipment and Supplies

## Stud Welding Accessories

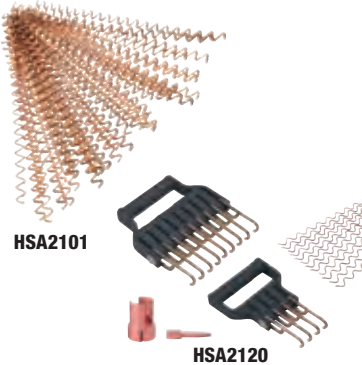


### Uni-Wire Deluxe Kit

- The Uni-Wire is cut to length and the Uni-Spotter stud welder is used to weld it in place
- Fits all Uni-Spotter Stud Welders
- Accessory to HSA2120 (Uni-Wire Deluxe Kit)

**HSA2101** 1 lb Uni-Wire

**HSA2120** Uni-Wire Pulling System



### Uni-Pull Universal Stud and Tab Lever Pulling Tool

- Perfect tool for pulling traditional singlepoint weld-on studs
- 3-finger claw and 3 extension arm leverage settings for larger multi-bend wire and multi-tab pulling jobs
- Features extended 17" steel lever arm with ergonomic handle grip supported by a padded, non-scratch pedestal base for steady controlled pulling in all directions on all surfaces

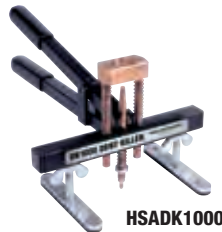
**HSA7600-01**



### Dent Killer Pulling Attachment

- Upgrade your Uni-Spotter stud welder to a studless lever action dent puller
- Works great to restore body line
- Quick and easy-to-use
- Lightweight and portable for out-of-position pulls

**HSADK1000**



### Dent Killer Pulling Attachment - Welding Tip Weld Tips (4 pk)

- Replacement tips for HSADK1000 and HSA9000 pullers
- Copper plated bullet-nose provides hold for pull but easy twist-off
- Package contains four tips and two locking nuts

**HSADK8004**



### Auto Pro Machine Cart

- Sturdy, easy-roll, inclined top shelf for viewing controls
- Used with HSA9500 auto-spot stud welder
- 2 storage shelves

**HSAUNI-9510**



### Tab-Shooter™ Placement Tool

- Aluminum tab shooter
- The Tab-Shooter is a revolutionary weld pull tab setting tool making short work out of the longest of panel creases
- Holds over 50 Uni-Tabs and, when connected to the Auto-Pro or Dual-Pro torch or the Dual-Spotter DELUXE collet, can set tabs with as close as 3 mm spacing as fast as the technician can move across the panel
- Easy reloading with lock spring handle cap

**HSAUNI-9600**



## Trams



### Measuring Tram Gauge for Telescopic Vehicle Dimensioning

- Aluminum tram gauge is lightweight yet remains rigid when fully extended
- Telescoping design allows for one person operation
- Take point-to-point measurement from 3'-10.5' 950-3250 mm
- Tape reads in both metric and NCSCI, American National Standards
- Measuring accuracy is +/-1.0 mm

**Includes:** Two bullet pointers, two right angle pointers, 350 mm pointers, two cones for zeroing out larger openings, and a nylon storage bag for both the tram and the accessory pointers

**DFX-DF3**



### Telescoping Measuring Tram Gauge

- Great for writing estimates or to quickly spot check a frame pull
- No need to set up a complicated bench measuring system or mount the car on a rack
- Extend out only as much tram as needed
- No need to add up sections, the internal tape reads out through a display window
- Extruded aluminum sections make this tram light weight yet rigid when fully extended

**DFX-DF3TC3A** Short, Measures 28"-9'

**DFX-DF3TC5A** Long, Measures 41'-1/2"-15'

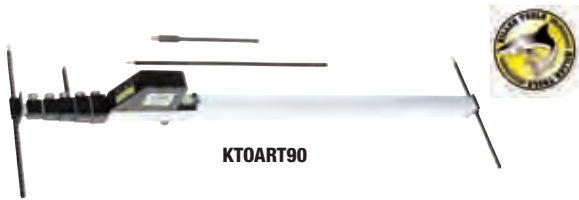


**DFX-DF3TC3A**

**DFX-DF3TC3A**

# Body and Spray Paint Equipment and Supplies

## Trams



KTOART90

### Professional Telescoping Measuring Tram

- Telescoping aluminum tram with steel locking screws
  - Measures from under 6" (approx. 150 mm) to 15' (4,572 mm)
  - See easy-to-read Metric/British measurements through viewing window
- Includes:** (1) Extra Long Pointer (460 mm), (1) 3/8" Swivel Socket Adaptor Pointer, (2) Regular (300 mm) Pointers, (2) Nylon Storage Bags for Tram and Pointers

KTOART90



KTOART90L

### Digital Measuring Tram

- Digital tram gauge with the accuracy of a laser
- Easy to use – fast and accurate
- Aluminum construction
- Measure from 42"-13'
- Complete with six pointers and blow-molded carrying case

KTOART90L



PUL7050

### Baby Tram

- Measures from 2-1/2" (65 mm) to 7' (2.1 m)
- Mo-Clamp® Baby Tram measures point-to-point, determining collision damage to unibody cars and checking critical measurements during repair
- Use Tram to check dimensions between control points on suspension and mechanical components
- Level bubble installed in sliding head for accuracy in measurement
- Comes in protective hard plastic storage case

PUL7050

### ONYX Air Windshield Remover with 3 pc Blade Set – Rear Exhaust

- 20,000 oscillations per minute
- Sealant cutter that cuts around bonded and encapsulated glass
- Efficiently clean and smooth moldings after glass removal
- Teasing throttle and regulator provides easy speed control
- Flexible blade mount can be set in 12 positions (at 30° increments)
- Rear exhaust directs air away from work
- Safety lever

### Specifications:

Free speed: 20,000 RPM IQ stroke arc: 3" Air hose: I.D. Size: 3/8" (10 mm) Net weight: 2.3 lb (1.05 kg) Air pressure: 90–120 PSI Air in-let thread NPT: 1/4" Average air consumption: 4 CFM Overall length: 8" (203 mm)

### APTWINDKO Set

#### Includes:

- APTWINDK08E 1 pc 57 mm Bent Blade
- APTWINDK08F 35 mm Flat-Nose Straight Blade
- APTWINDK08H 1 pc 52 mm Bent Curved Blade
- APTWINDK08J 1 pc 35 mm Flat-Nose Straight Blade

## Window/Windshield Tools

### Deluxe Windshield Remover - Air

- Counter balanced for smoother operation which results in less fatigue to the body
- Built-in regulator and safety lever
- 12,000 strokes per minute allows you to cut through urethane much faster
- No lubricants needed
- Includes heavier and thicker 4", 6" and 8" serrated blades

### APT1770

APT17704 4" Serrated Blade

APT17705 6" Serrated Blade

APT17706 8" Serrated Blade

**Astro**



APT1770



APTWINDKO

**Astro**



APTWINDK08E



APTWINDK08F

### Window Tint Meter

- Test windows for visible light transmittance (VLT)
- Will test windows that roll down or are fixed. This is critical for inspection to test windshield/windscreen or any other fixed glass on vehicle. Slide over type will not work.
- Internal light source measures in all lighting conditions
- Comes in compact carrying case with user instructions
- Complies with Ontario Ministry of Transportation Law in effect as of July 1, 2016

- Complies with State of New York Law, January, 2017
- Specifications: Display: LCD Accuracy: +/- 2% Wavelength: 550 Nanometers Measurement Range: 0 to 100% Light Transmission Sample Thickness: Less than .4" Sample Size: 2 x 2" minimum Time of Testing: Maximum of 4 Seconds Effects From Stray Light: Not affected by Stray Light Lamp Life: 12 Years 0-120 F/0-99% Relative Humidity Operating conditions: Power Source: 4 x 1.5v AAA Batteries (not included)

### HRRTM63

HRRTM63-1 Test Plate



HRRTM63

**Cal-Van Tools**

# Body and Spray Paint Equipment and Supplies

## Window/Windshield Tools



INIGB-20311

### The Inductor® Glass Blaster®

- Lightweight, portable Inductor® Inverter allows mobility
- Attachment molded in impact resistant polymers with ergonomic gripping/beveled edges for best versatility
- Reach deep pockets and curves reducing the need to pull the interior
- Includes two heavy-duty high temperature wedges, video and manual
- Pneumatic foot pedal (resilient to dirt and moisture)
- Extra storage space for personal accessories
- 9' HF cord to inverter for extended reach
- Audible/Visual power indicators
- UL/CSA GFCI for user safety

INIGB-20311

**GW GEARWRENCH**



KDT2038D

### Window Molding Remover

- Removes window molding clips on GM®, Ford® and GMC® vehicles
- Place jaw flat against glass
- Locate clips and roll them out with tip, keeping jaw flat to glass

KDT2038D



LIL35150

### Window Belt Molding Remover

- Quickly removes all window belt moldings
- Slide the powder-coated tool downward between the window exterior and the door
- The channel side of the tool should face the door
- When the tool channel is below the belt molding, push or pull the tool upward
- The tool quickly removes the belt molding without damage to the window or the molding
- Fits most domestic and import vehicles

LIL35150



LIL35240

### Belt Molding Tool, Small

- Works on domestic and import vehicles
- Quickly removes belt molding without damage

LIL35240



MHW45049

### Mayhew® Select Belt Molding Removal Tool

- Works effectively with most clips, fasteners and molding assemblies
- Import and domestic
- Two composite soft grip handles
- Chrome vanadium steel

MHW45049



OTC4676

### Windshield Wiper Puller

- Removes wiper arms on many foreign and domestic cars and light trucks
- Will not damage wiper arm or hood cowl during removal
- Simply place puller feet under wiper arm and tighten, forcing screw against wiper shaft

OTC4676



OTC6676

### Heavy Duty Wiper Arm Puller

- Used to remove the wiper arm from the wiper drive

#### Applicable:

Jeep® Liberty®, Grand Cherokee®, Dodge® Caravan®, Stratus®, Ram® Diesel vehicles, Dakota® and PT Cruiser®, Chrysler® LHS®, Town and Country®, Saturn® Vue®, Buick® Rendezvous®, Cadillac® CTS®, Ford® Focus®, Ford® Windstar®, Honda® Civic®, Odyssey® and Toyota® Camry® vehicles

OTC6676



SAG87425

### Braided, Golden Windshield Cut-Out Wire

- Braided design provides for the fastest cutting action possible
- Quickly slices through urethane and silicone windshield adhesives
- Each braided helix of this wire acts like a cutting saw tooth
- 72' per hank

SAG87425



SAG87460

### Windshield Removal Kit

- Contains basic tools and wires needed for removing even the most modern windshields
- Even works on acutely angled windshields

**Includes:** SAG87425-windshield cut-out wire; SAG87435-starting tool and SAG87440-handles (set of two)

**SAG87460**

**SAG87440** Set of two handles

# Bolt and Stud Removal/Extractors/Threading

## Oil Pan Plug Rethreading Kit



### Oil Pan Plug Rethreading Kit

- Removes damaged thread and taps a new oversize thread
- Includes a piloted drill, spring-loaded tapping tool and five magnetic drain plugs
- Unique tapping tool ensures the new thread will be perpendicular to the gasket surface to prevent leakage
- Works on soft steel and aluminum oil pans with 1/2", 12 mm and 14 mm threads
- Can be used on the vehicle when room permits

**LIL58850**

### Replacement Parts:

**LIL58650** Set of five Plugs and Gaskets



**LIL58850**

## Shockit Sets

### SAE Shockit Socket Set

- Shock loose frozen nuts and bolts
- Ideal for hard-to-access situations
- Custom design, punch/chisel included
- Custom punch (KCT598-6) delivers 100% of shock force to the nut/bolt head
- Includes 5 popular SAE sizes
- Magnetic socket storage rail (KCT598-7) included



**KCT598**

**KCT598**

**KCT598-1** 3/4" Shockit Socket

**KCT598-4** 9/16" Shockit Socket

**KCT598-2** 11/16" Shockit Socket

**KCT598-5** 1/2" Shockit Socket

**KCT598-3** 5/8" Shockit Socket

**KCT598-6** Shockit Punch

### 9 pc Metric Shockit Socket Kit

- Shock loose frozen nuts and bolts
- Includes 9 popular metric sizes
- Custom punch (KCT599-9) designed for air hammer use
- Custom see-through blow molded case (KCT599TRAY) included

**KCT599**

**KCT599-9** Air Hammer Punch

**KCT599-10** 10 mm Socket

**KCT599-11** 11 mm Socket

**KCT599-12** 12 mm Socket

**KCT599-13** 13 mm Socket

**KCT599-14** 14 mm Socket

**KCT599-15** 15 mm Socket

**KCT599-16** 16 mm Socket

**KCT599-17** 17 mm Socket

**KCT599-19** 19 mm Socket

**KCT599TRAY** Shockit Tray



**KCT599**

## Stud and Dowel Pin Remover

### Dowel Pin Puller

- Extracts dowels without the use of a slide hammer
- Fit the appropriate sized collet over the dowel, tighten sleeve
- Use outer sleeve and nut to extract the dowel
- Can be used with air ratchet or traditional ratchet
- Elimination of the slide hammer saves cost as well as effort and potential hand injury
- CA residents see page 365 for Proposition 65 warning. ⚠

**HRR95200** Fractional Set

**Includes:**

**HRR952-210** 1/4" Collet

**HRR952-230** 5/16" Collet

**HRR952-250** 3/8" Collet

**HRR952-270** 3/16" Collet

**HRR952-290** 1/2" Collet

**HRR95300** Metric Set

**Includes:**

**HRR953-210** 6 mm Collet

**HRR953-220** 8 mm Collet

**HRR953-240** 10 mm Collet

**HRR953-260** 12 mm Collet

**HRR953-280** 4 mm Collet

**HRR953-290** 5 mm Collet



**HRR95200**

## Stud Remover/Installer Sets



**AST201**

### Metric Stud Remover/Installer Socket Set

**Set Includes:**

Sizes: 6, 8, 10 and 12 mm

**AST201**



**AST201-7**

### 5 pc Stud Remover/Installer Set

- Includes 7 mm stud remover AST200-7, ideal for BMW® vehicle manifold studs

**Includes:** 6, 7, 8, 10 and 12 mm

**AST201-7**



**AST202**

### Fractional Stud Remover/Installer Socket Set

**Set Includes:**

Sizes: 1/4, 5/16, 3/8, 7/16 and 1/2"

**AST202**



**AST203**

### Fractional Stud Remover/Installer Socket Set

**Set Includes:**

Sizes: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16 and 5/8"

**AST203**



# Bolt and Stud Removal/Extractors/Threading

## Stud Remover/Installer Sets

### Stud Remover Replacement Kits

#### Includes:

One washer, three roll pins, circlip and replacement cage

**AST250** 1/4" **AST437** 7/16" **AST625** 5/8" **AST80** 8 mm  
**AST312** 5/16" **AST500** 1/2" **AST60** 6 mm **AST100** 10 mm  
**AST375** 3/8" **AST562** 9/16" **AST70** 7 mm **AST120** 12 mm



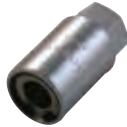
AST250



### 200 Series Stud Remover/Installer Sockets

#### • Metric

**AST20010** 10 mm, 1/2" Drive  
**AST20012** 1/2", 1/2" Drive  
**AST20012MM** 12 mm, 1/2" Drive  
**AST20014** 1/4", 3/8" Drive  
**AST20038** 3/8", 1/2" Drive  
**AST200516** 5/16", 3/8" Drive  
**AST20058** 5/8", Hex Drive  
**AST2006** 6 mm, 3/8" Drive  
**AST200716** 7/16", 1/2" Drive  
**AST2008** 8 mm, 3/8" Drive  
**AST200916** 9/16", Hex Drive  
**AST200CASE** Case Only



AST20012



AST2006



LIL71200



### Stud Remover

- Removes studs from engine blocks, exhaust manifolds, cylinder heads and other applications
- Two holes, 1/2" (14 mm) and 3/4" (19 mm) for optimum fit, minimizing damage to threads
- Range 3/8–3/4" (10–19 mm)
- Allows tool to grip flush with mounting surface of the stud so it can grab studs that are broken off very close to the mounting surface
- Use with 1/2" square drive

LIL71200

### Stud Extractor

- Fits a 3/8" impact wrench
- Removes threaded, stripped, rusted, broken and smooth studs
- Fits studs from 1/4–1/2" (6–12 mm)
- Can insert studs

MHW29895



MHW29895

## Tap Extractor Sets

### Tap Extractors

- Remove broken machine screw and hand taps, pipe taps and STI tap
- Extractors let you remove broken taps without drilling, lasers, damaged threads, scrapped parts or repair inserts
- Hardened steel fingers fit in the flutes of a broken tap to back it out simply and safely
- Available in every tap size both SAE and metric
- Tap extractors will fix both NC and NF taps

### Replacement Parts:

**WTE10084** No. 8, 4 mm Tap Extractor; 4-Flute  
**WTE10104** No. 10, 5 mm Tap Extractor; 4-Flute  
**WTE10254** 1/4", 6 mm Tap Extractor; 4-Flute  
**WTE10314** 5/16", 8 mm Tap Extractor; 4-Flute  
**WTE10374** 3/8", 9 mm/10 mm Tap Extractor; 4-Flute  
**WTE10434** 7/16", 11 mm Tap Extractor; 4-Flute  
**WTE10504** 1/2", 12 mm Tap Extractor; 4-Flute

### Tap Extractor Sets

- Remove broken machine screw and hand taps, pipe taps and STI tap
- Extractors let you remove broken taps without drilling, lasers, damaged threads, scrapped parts or repair inserts
- Hardened steel fingers fit in the flutes of a broken tap to back it out simply and safely
- Available in every tap size both SAE and metric
- Tap extractors will fix both NC and NF taps

**WTE10084** No. 8, 4 mm Tap Extractor; 4-Flute  
**WTE10104** No. 10, 5 mm Tap Extractor; 4-Flute  
**WTE10374** 3/8", 9 mm/10 mm Tap Extractor; 4-Flute  
**WTE10434** 7/16", 11 mm Tap Extractor; 4-Flute  
**WTE10504** 1/2", 12 mm Tap Extractor; 4-Flute

**WTE12084** No. 8, 4 mm Finger 12 pk; 4-Flute  
**WTE12254** 1/4", 6 mm Finger; 4-Flute (12 pk)  
**WTE12314** 5/16", 8 mm Finger; 4-Flute (12 pk)  
**WTE12374** 3/8", 9 mm/10 mm Finger; 4-Flute (12 pk)  
**WTE12434** 7/16", 11 mm Finger 4-Flute (12 pk)  
**WTE12504** 1/2", 12 mm Finger; 4-Flute (12 pk)  
**WTE18001** No. 1, 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2"  
**WTE18011** No. 11, 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8" and 1"  
**WTE18015** No. 15, 4", 5", 6", 8, 10, 12, 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8" and 1"

### ORDER INFORMATION SIZES INCLUDED

WTE18001	—	—	—	—	3/16"	—	1/4"	5/16"	3/8"	7/16"	1/2"	—	—	—	—
WTE18002	—	—	—	—	—	—	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	—	—	—
WTE18011	—	1/8"	—	—	3/16"	—	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
WTE18015	4"	5"	6"	#8	#10	#12	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"



WTE18001

**WTE12084** No. 8, 4 mm Finger 12 pk; 4-Flute  
**WTE12104** No. 10, 5 mm Finger (12 pk)  
**WTE12374** 3/8", 9 mm/10 mm Finger; 4-Flute (12 pk)  
**WTE12434** 7/16", 11 mm Finger 4-Flute (12 pk)  
**WTE12504** 1/2", 12 mm Finger; 4-Flute (12 pk)  
**WTE18002** No. 2, 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8"  
**WTE18011** No. 11, 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8" and 1"  
**WTE18015** No. 15, 4", 5", 6", 8, 10, 12, 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8" and 1"

### ORDER INFORMATION SIZES INCLUDED

WTE18011	—	1/8"	—	—	3/16"	—	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
WTE18015	4"	5"	6"	#8	#10	#12	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"



WTE18011

# Bolt and Stud Removal/Extractors/Threading

## Thread Repair Kits



### Keyway Skip Accessory (finer than 2.5 mm/10 TPI)

- Enables the versatile re-threader to glide over keyway, slots, grooves or channels
- For repairing damage threaded shafts with slots for key or tab washer, choose the appropriate addition cutter for best results

**AGNNES03101** Keyway Skip Accessory (finer than 2.5mm/10 TPI)



**AGNNES03101**

### Keyway Skip Accessory (coarser than 2.5 mm/10 TPI)

- Enables the versatile re-threader to glide over keyway, slots, grooves or channels
- For repairing damage threaded shafts with slots for key or tab washer, choose the appropriate addition cutter for best results

**AGNNES03104** Keyway Skip Accessory (coarser than 2.5 mm/10 TPI)



**AGNNES03104**

### External Threadmate™ 5/32–1/2"

- Tool restores/cleans damaged or stripped external threads
- Blades float to the correct pitch and size within range (5/32–1/2"); automatically chases good thread sections to repair damaged parts
- No need for calibration or identifying thread type; adjust to left- or right-handed threads that are either inch or metric
- Once the tool fits into a thread slot, begin repairing the threads by simply rotating the tool

**AGNNES06040**



**AGNNES06040**

### Universal External Thread Repair Set

- Replaces a huge array of dies
- Blades float to the correct pitch and size within range
- One-handed tool restores inch or metric, right- or left-handed threads
- No need for calibration or identifying thread type
- Range: 5/32–1-1/2"

**AGNNES1000** External Thread Repair 2 piece Set Includes:

**AGNNES1A** Universal External Thread Repair Tool 5/32-3/4" (4-19 mm)

**AGNNES2** Universal External Thread Repair Tool 3/4–1.1/2" (17–38 mm)

**AGNNESRK1** Replacement Cutters for AGNNES1A

**AGNNESRK2** Replacement Cutters for AGNNES2



**AGNNES1000**

### Universal Internal Thread Repair Set

- Repairs and cleans internal threads that are stripped or damaged
- One-handed tool restores inch or metric, right- or left-handed fastener threads. No need for calibration or identifying thread type
- Set Internal Range: 5/16–13/16" (8–20 mm)

**AGNNES1007**



**AGNNES1007**

### Universal Internal Thread Repair Set

- Repairs and cleans internal threads that are stripped or damaged
- One-handed tool restores inch or metric, right- or left-handed fastener threads. No need for calibration or identifying thread type
- Set Internal Range: 5/16–1-1/4" (8–32 mm)

**AGNNES1008**



**AGNNES1008**



**AGNNES1015**

### Universal Thread Repair Combination Set

- Repairs and cleans internal threads that are stripped or damaged
- Blade floats to the correct pitch and size within range
- NES tool automatically chases good thread sections to repair damaged parts
- No need for calibration or identifying thread type
- Adjust to left- or right-handed threads that are either inch or metric
- Once the tool fits into a thread slot, begin repairing the threads by simply rotating the tool
- Great for automotive repair, maintenance, plumbing, construction, agriculture, and many other applications

**AGNNES1015** Set

**Includes:**

**AGNNES1A** Universal External Thread Repair Tool 5/32-3/4" (4-19 mm)

**AGNNES21** Internal Thread Repair Tool 5/16–7/16" (8–12 mm)

**AGNNES21NYL** Nylon Pad for AGNNES21

**AGNNES22** Internal Thread Repair Tool 7/16–5/8" (12–16 mm)

**AGNNES22NYL** Nylon Pad for AGNNES22

**AGNNESRK1** Replacement Cutters for AGNNES1A

**AGNNESRK21** Replacement Cutter for AGNNES21

**AGNNESRK22** Replacement Cutter for AGNNES22



**AGNNES1017**

### Universal Thread Repair Combination Set

- Repairs/cleans external and internal threads that are stripped or damaged
- One-handed tool restores inch or metric, right- or left-handed fastener threads. No need for calibration or identifying thread type
- External Range: 5/32–3/4" (4–19 mm)
- Internal Range: 5/16–13/16" (8–20 mm)

**AGNNES1017**



**AGNNES1018**

### Combination Thread Repair Set

- Replaces a huge array of dies
- Blades float to the correct pitch and size within range
- One-handed tool restores inch or metric, right- or left-handed threads
- No need for calibration or identifying thread type
- External range: 5/32–1-1/2" (4–38 mm)
- Internal range: 5/16–13/16 (8–20 mm)

**AGNNES1018**

# Bolt and Stud Removal/Extractors/Threading

## Thread Repair Kits

### Universal Thread Repair Combination Set

- Replaces a huge array of taps and dies
- Blades float to the correct pitch and size within range
- One-handed tool restores inch or metric, right- or left-handed threads
- No need for calibration or identifying thread type
- External range: 5/32–1-1/2"; internal range: 5/16–1-1/4"

#### AGNNES1025 Set

##### Includes:

- AGNNES1A** Universal External Thread Repair Tool 5/32–3/4" (4–19 mm)
- AGNNES2** Universal External Thread Repair Tool 3/4–1-1/2" (17–38 mm)
- AGNNES21** Internal Thread Repair Tool 5/16–7/16" (8–12 mm)
- AGNNES21NYL** Nylon Pad for AGNNES21
- AGNNES22** Internal Thread Repair Tool 7/16–5/8" (12–16 mm)
- AGNNES22NYL** Nylon Pad for AGNNES22
- AGNNES23** Internal Thread Repair Tool 11/16–13/16" (16–20 mm)
- AGNNES23NYL** Nylon Pad for AGNNES23
- AGNNES24** Internal Thread Repair Tool 7/8–1-1/4" (22–32 mm)
- AGNNES24NYL** Nylon Pad for AGNNES24
- AGNNESRK23** Replacement Cutter for AGNNES23
- AGNNESRK24** Replacement Cutter for AGNNES24



**AGNNES1025**

### Universal Internal Thread Repair Set

- Repairs/cleans internal threads that are stripped or damaged
- Blade is self-adjusting to any pitch and size within range
- One-handed tool restores inch or metric, right- or left-handed fastener threads
- No need for calibration or identifying thread type
- Set Internal Range: 7/8–2-5/8" (22–68 mm)

#### AGNNES1036



**AGNNES1036**



**AGNNES1300**

### Universal External Thread Repair Set

- Repairs/cleans external threads that are stripped or damaged. Blade is self-adjusting to any pitch and size within range
- One-handed tool restores inch or metric, right- or left-handed fastener threads. No need for calibration or identifying thread type
- Set External Range: 5/32–6" (4–152 mm)

#### AGNNES1300 External Thread Repair 3 piece Set

### Universal Internal Thread Repair Tool

- Repairs/cleans external and internal threads that are stripped or damaged
- Comes with one sleeve
- No need for calibration or identifying thread type. Adjust to left- or right-handed threads that are either inch or metric
- Once the tool fits into a thread slot, begin repairing the threads by simply rotating the tool
- Ideal for automotive repair, plumbing, construction, agriculture, maintenance and many other applications

#### AGNNES25 Internal Thread Repair Tool 1-1/4–2-1/8" (32–54 mm)

#### AGNNES26 Internal Thread Repair Tool 1-1/4–2-5/8" (32–68 mm)

#### AGNNES27 Internal Thread Repair Tool 2-3/4–3-1/4" (69–81 mm)

#### AGNNES28 Internal Thread Repair Tool 3-1/4–3-3/4" (82–95 mm)



**AGNNES25**

#### AGNNES29 Internal Thread Repair Tool 3-3/4–4-1/4" (96–108 mm)

#### AGNNESRK25 Replacement Cutter for AGNNES25

#### AGNNESRK26 Replacement Cutter for AGNNES26, AGNNES27, AGNNES28, AGNNES29

### Universal External Thread Repair Tool

- Repairs and cleans internal threads that are stripped or damaged
- Blades float to the correct pitch and size within range (1-3/8–6" or 35–152 mm)
- NES tool automatically chases good thread sections to repair damaged parts
- Comes with handle extender
- No need for calibration or identifying thread type. Adjust to left- or right-handed threads that are either inch or metric
- Once the tool fits into a thread slot, begin repairing the threads by simply rotating the tool
- Great for automotive repair, maintenance, plumbing, construction, agriculture and many other applications

#### AGNNES3 Universal External Thread Repair Tool 1-3/8–6" (38–152 mm)

#### AGNNESRK3 Replacement Cutters for AGNNES3



**AGNNES3**

### Brake and Master Cylinder Rethearding Kit

- Re-threads damaged brake wheel cylinders, master cylinder fittings, ABS control module fittings and brake line fittings
- Works on vehicle where stand-alone tap and dies won't fit
- Convenient, fast and easy applications
- Compact design male/female combo sockets

#### Includes most common sizes – SAE and Metric:

3/8"-24 Male/Female rethreader socket 7/16"-24 Male/Female rethreader socket 1/2"-20 Male/Female rethreader socket 5/8"-18 Male/Female rethreader socket 10 mm-1.0 Male/Female rethreader socket 12 mm-1.0 Male/Female rethreader socket

#### KCT993



**KCT993**



# Bolt and Stud Removal/Extractors/Threading

## Thread Repair Kits

### Deep Hole Aluminum Head M14 x 1.25 Spark Plug Hole Repair Kit

- LIL65010** Drill Tap
- LIL65020** Long Tap Holder
- LIL65030** 11/16" Insert (5 pk)
- LIL65060** 7/16" Insert (5 pk)
- LIL65080** 5/16" Insert (5 pk)
- LIL65090** Insert Installer
- LIL65100** Swedger Handle Assembly
- LIL66160** Set Screw



**LIL65010**



**KUK542**

### Double-edge Mechanical Nut Splitter

- Made in Germany
- Double-edge exerts twice the normal splitting force on irretrievable nuts in quality classes 5, 6 and 8
- Two hardened chisel cutting edges provide an aggressive cutting action
- One operation through double cutting action
- Nut splitting can be done without damaging the threaded bolt
- Nut splitting band provided additional support when turning the chisel back
- 3/8"-1-1/16" (10-27 mm)

**KUK542**



**KUK561**

### Single-edged, Grease Hydraulic Nut Splitter

- Made in Germany
- For splitting particularly large tight or over tightened nuts without damaging bolt threads of quality grade 5, 6, 8 and 10
- Double offset allows the use in tight spaces
- Due to the hydraulics, little force is needed
- Very sharp cutting through facet cut
- Nut splitting can be done without damaging the threaded bolt
- 1/4"-7/8" (7-24 mm)

**KUK561**



**KUK562**

### Single-edged, Grease Hydraulic Nut Splitter

- Made in Germany
- For splitting particularly large tight or over tightened nuts without damaging bolt threads of quality grade 5, 6, 8 and 10
- Double offset allows the use in tight spaces
- Due to the hydraulics, little force is needed
- Very sharp cutting through facet cut
- Nut splitting can be done without damaging the threaded bolt
- 7/8"-1-3/8" (22-36 mm)

**KUK562**



**KUKK54B**

## Universal Nut Splitter

### Double-edge Mechanical Nut Splitter Set with Replacement Splitter

- Made in Germany
- Double-edge exerts twice the normal splitting force on irretrievable nuts in quality classes 5, 6 and 8
- Two hardened chisel cutting edges provide an aggressive cutting action
- One operation through double cutting action
- Nut splitting can be done without damaging the threaded bolt
- Nut splitting band provided additional support when turning the chisel back
- 3/8"-1 3/8" (10-36 mm)
- Set includes replacement chisels and two wrenches

**KUKK54B**



**KUK543**

### Double-edge Mechanical Nut Splitter

- Made in Germany
- Double-edge exerts twice the normal splitting force on irretrievable nuts in quality classes 5, 6 and 8
- Two hardened chisel cutting edges provide an aggressive cutting action
- One operation through double cutting action
- Nut splitting can be done without damaging the threaded bolt
- Nut splitting band provided additional support when turning the chisel back
- 3/4"-1-3/8" (17-36 mm)

**KUK543**



**KUK563**

### Single-edged, Grease Hydraulic Nut Splitter

- Made in Germany
- For splitting particularly large tight or over tightened nuts without damaging bolt threads of quality grade 5, 6, 8 and 10
- Suitable for cutting stainless nuts in the 50, 70 and 80 strength classes
- Double offset allows the use in tight spaces
- Due to the hydraulics, little force is needed
- Very sharp cutting through facet cut
- Nut splitting can be done without damaging the threaded bolt
- 1-1/16"-1-3/8" (27-46 mm)

**KUK563**

## Universal Thread Gauges

### Universal Thread Gauges

- For accurate identification of USS and metric threads
- USS threads from #5-3/4" and 10 TPI, metric from 2.5-22 mm with pitch to .45-2.5 mm
- Spark plugs from 10-18 mm and pipe threads from 1/16-1/2" with 14-27 TPI

**THX432**



**THX432**

**THEXTON**



## ABS Service Tool

### ABS Brake Proportioning Valve Depressor

- Works on various GM® utility vehicles, vans, and pickups fitted with Kelsey-Hayes® anti-lock brake systems
- Works on rear-wheel anti-lock brakes
- Two depressors work best for 4-wheel anti-lock systems

OTC7853



OTC7853

### ABS Sensor Pinpoint Tester

- Identify sensor shorts or opens
  - Visually verify sensor signal output
  - Signal simulation enables easy wire harness testing
  - Works on old and new style wheel speed sensors
  - Service bay diagnostics – no road test
- Kit Includes:** Main Unit, (14) Male/Female Flex Probe Adaptors, (2) Alligator Clip Flex Probes, Test Lead Set (3 Leads)

WAE20560



WAE20560

## Bleeders

### Honda® Brake Bleeder Adaptor

- Used in conjunction with pressure bleeder
- Use with regulated air supply
- 1/4" NPT fitting is not included

ASTHONBC26



ASTHONBC26

### Toyota® Brake Bleeder Adaptor

- Fits most Toyota® vehicles
- For brake master cylinder reservoirs
- Used in conjunction with pressure bleeder and 1/4" NPT fitting (NOT INCLUDED) to flush brake fluid on a wide range of vehicles
- **IMPORTANT NOTE:** Use Low Hydraulic Pressure Only or Damage May Occur to System

ASTTOY18B



ASTTOY18B

### Brake Bleeder Kit

- One-man diaphragm-type brake bleeder kit for conventional and anti-lock brake systems
- Includes 29G and 45G9 adaptors
- Large capacity reservoir (approximately four gallons) eliminates frequent refilling
- Diaphragm prevents air from being introduced into the brake system
- Quick coupler prevents spills while making adaptor changes a snap

BRN900-679

Also Available:

**BRN-029G** 3-1/4" Diameter Adaptor

**BRN-039GC** GM® Adaptor – Use with BRN-20

**BRN-041G9** 3.5" x 6.5" adaptor

**BRN-045G9** 4-1/8" diameter adaptor

**BRN-06304** Foreign car adaptor set

**BRN-20** Dual Bleed Attachment

**BRN-22A** 7 pc expanding adaptor set

**BRN-26G** Ford® ABS Adaptor

**BRN-35G** Universal adaptor – use with BRN-22A

**BRN-42G** 4" x 8" adaptor

**BRN-47G** Chrysler® Adaptor use with BRN-20



BRN900-679

BRN-029G

BRN-041G9

BRN-045G9

### Pressure Bleed System

- Professional hydraulic brake and clutch bleeding system that includes the fluid dispenser and seven master cylinder adaptors
- Forces new brake fluid down through the master cylinder while air and old fluids are expelled through the bleed screw(s)
- Pressure gauge on the dispenser allows control of the system pressure
- Pressurized reservoir allows the operator hands-free movement to the bleed screws
- Includes a 7 pc master cylinder adaptor kit and reservoir to capture used brake fluid at bleed screw

**Applicable:**

Toyota®, Lexus®, Chrysler®, Dodge®, Jeep®, Plymouth®, most late model GM® vehicles, Buick®, Cadillac®, Chevrolet®, GMC®, Hummer®, Oldsmobile®, Pontiac®, some Mazda®, Alfa Romeo®, Audi®, BMW®, Jaguar®, Land Rover®, Mercedes®, Peugeot®, Porsche®, Renault®, Saab®, VW®, Volvo®, Chrysler® Crossfire® and Daewoo® vehicles. Late model Ford®, Kia®, Hyundai®, Mitsubishi®, Nissan®, Subaru® and some Ford®/Lincoln® vehicles

**LSLMV6842** Pressure Bleed System

**System Includes:**

**LSLMVA800** Locking Collar for Toyota®, Lexus®

**LSLMVA808** 3-Tab Camlock for Hyundai®, Mitsubishi®, Nissan® and Subaru®, some Chrysler®/Dodge®, some Ford®/Lincoln®

**LSLMVA809** Universal Round Cone Master Cylinder Adaptor for master cylinders w/ small round necks from 1-1/4-2" (32-54 mm) internal diameter (Sold Separately)

**LSLMVA811** Face Seal for rectangular shaped master cylinders ranging in size up to 3-1/2 x 6" (90 x 150 mm)

**LSLMVA812** Face set Seal adaptor for rectangular shaped master cylinders ranging in size from 3-1/2 x 6" (90 x 150 mm) to 4-1/4 x 7-3/4" (108 x 200 mm) (Sold Separately)



LSLMV6842

### 1-Man Brake Bleeder Hose

- Removes air from brake system, one wheel at a time and eliminates the need for an assistant
- Hose easily attaches to bleeder screw, which holds hose in place and prevents leaking
- Check valve on end of hose prevents air from entering brake system when pumping brake pedal

OTC4599



OTC4599

### Brake Free Valve Remover

- Set keeps simple brake jobs from becoming expensive when rusted bleeder valves break off when attempting to loosen them
- Plugs into a standard air hammer and then over the bleeder valve
- Vibrates the bleeder valve and can be worked back and forth with a 3/4" wrench

PHXBF1



PHXBF1

### Reverse Brake/Clutch Bleeder

- Allows technicians to perform a one-person brake service
- Removes trapped air by pushing brake fluid up to master cylinder
- Designed to bleed clutch and brake systems
- 20 mL cylinder for a quicker bleeding process
- Die-cast powder-coated metal tool that is brake fluid compatible

PHX2002HD-B



PHX2002HD-B

# Brake

## Bleeders

### V-12 Injector with Smart Pak and Molded Case

- Designed to inexpensively perform a reverse bleed, vacuum bleed, pressure bleed and master cylinder bench bleeding
- Small piston diameter provides high hydraulic advantage
- 125 PSI with comfortable hand force
- Handle and body are made of high strength Zytel® (glass reinforced nylon) that imparts metal-like strength while retaining light-weight comfort
- Ergonomic design is compact and comfortable to use



PHXV12205B

### Manual Brake Bleeder Kit

- Allows one-man brake bleeding
- PVB70857 Manual Brake Bleeder
- Designed for the professional
- Universal rubber fitting holds securely on brake bleed screw
- Internal submersed tube prevents air and fluid drawback during brake bleeding
- Hang hook allows hands-free use
  - Automatic Reservoir Refiller
  - Automatically refills brake fluid reservoir during brake bleeding; prevents running the brake fluid reservoir dry
- Attaches to all master cylinder reservoir types
- Positive venting system supplies unbroken continual fluid flow

PVB70858 Kit

PVB70857 Manual Brake Bleeder



PVB70858

PVB70857

PHXV12205B

### US/Metric Master Cylinder Bleeder Kit

- Affordable kit includes plastic adaptors for SAE and metric fittings
- Kit contains necessary adaptor, hose, hose holder, thread gauge and instructions

THX804



THX804

## Brake Adjustor/Brake Clip Tool



### Brake Clip Tool

- Designed for import cars with brake shoe hold-down clips
- Removes and installs the brake clip and nail on brake shoes in seconds
- Set tool head in the brake clip groove
- Push tool to depress brake clip
- Turn handle 1/4" turn to disengage clip from nail
- Reverse to install



LIL48400

LIL48400

## Brake Service Kits



### 15 pc Brake Service Kit

KDT2774D Universal Brake Shoe Retaining Spring Tool

KDT287D Drum Brake Adjusting Tool



KDT2774D

KDT287D

### BrakeStrip Brake Fluid Corrosion Test Kit

- Brake test on one end
- Coolant test on the other

PHX3006B



PHX3006B

## Brake Spring Tools



KCT895



KDT298D



LIL11260



OTC5081

OTC314548



THX832

### Eaton® Truck Brake Spring Tool

- Easily installs Eaton® air brake shoe anchor springs
- Universal fit for all Eaton® air brake shoe anchor springs

KCT895

### Brake Spring Pliers

- Tool easily removes and installs shoe return springs on most drum brakes
- Socket end removes spring from anchor stud
- Notched end installs spring on anchor
- Tool is chrome plated to resist rust and provides easy cleanup

KDT298D

### Brake Spring Pliers

- Double ended tool for removing and installing brake springs
- Use pliers tips to stretch brake spring
- Handle ends remove and install spring over anchor post

LIL11260

### Brake Spring Remover

- Eliminate makeshift, unsafe methods of unhooking and reconnecting retaining springs when replacing brake shoes on heavy-duty tractors and trailers
- Simply hook the retaining spring loop and press down; lever action against the axle makes the job a snap

OTC5081

OTC314548 Heavy Duty Brake Spring Catch

### THX832 GM® "W" Rear Brake Spring Release Tool

- Ergonomically engineered mechanical advantage
- Works large and small "W" springs
- Commonly found on 2009 and older trucks, SUVs and cars
- Inside design allows technician obstacle-free use
- Made in USA

THX832

## Caliper Tools/Pad Separators and Compressors

### 18 pc Brake Caliper Wind Back Tool Set

- Designed for push back and wind back brake pistons
- Includes complete set of adaptors for a wide range of vehicle applications
- Provides both left-handed and right-handed thrust bolt assemblies; left-handed thrust bolt required for Citroen® and Renault® applications

**Kit Includes:** Holder, right main body, left main body and (15) adaptors

**APT78618**



**APT78618**



**ASTBMW2510**

### 3-Pin Brake Caliper Tool for BMW® Vehicles

- Piston tool for BMW® models with the Electromechanical Parking Brake (EMF)
- Used to reset the EMF adjustment unit and piston to the starting position

**ASTBMW2510**



**ASTBMW377**

### 7 mm Brake Caliper Socket

- 3/8" drive, only 1-1/4" in length
- Used for R&R of rear brake caliper bolts on BMW® and Mercedes® model vehicles

**ASTBMW377**



**ASTMC560**

### Rear Caliper Brake Piston Tool for MINI Cooper® Vehicles

- Used with a universal 3/8" brake caliper piston tool (comparable to factory tool #346309)
- Made in USA

#### Applicable:

Mini Cooper® models [2007–2013] (except the "Countryman®")

**ASTMC560**



**ASTV450**

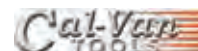
### Brake Piston Adaptor

- 3/8" Drive
- Comparable to factory tools Ford® #206-026, Mazda® #49 F043 002, Mini® #346301 and Volvo® #9997091
- Made in USA

#### Applicable:

2005 new body Volvo® 40 and 50 series vehicles, Mazda 3®, Mini Cooper®, Mercury® Milan®, Ford® Fusion®, Jaguar S-Type®, Lincoln® MKZ® and Saab® 9-3 vehicles

**ASTV450**



**HRR727**

### Brake Caliper Turn Back Tool

- Compresses any size brake caliper
- Use on motorcycles, standard cars, trucks and SUV's
- 3/8" Drive in the back allows for use with ratchets
- Can perform front brake applications by flipping the head of the tool
- Eliminates the need for sets with multiple adaptors
- CA residents see page 365 for Proposition 65 warning. ⚠

**HRR727**

### German Vehicle Brake Caliper Socket and Bit Set

- Works on all German vehicle brake caliper applications
- Every German vehicle brake caliper socket/bit when you need it
- Includes: 1/4" drive bits - 9 x 20 mm, 3/8" drive bits - 7 x 24 mm, 8 x 24 mm, 9 x 50 mm, 7 x 65 mm, 7 x 92 mm, 11 x 100 mm, 1/2" drive sockets - 11.5 x 50 mm, AS22 x 48 mm
- Packaged in a custom blow molded case

**KCT4995**



**KCT4995**

### Speedy Brake Pad Spreader

- Compresses brake pistons in seconds
- Squeeze the handle and the fast action plunger compresses disc brake pistons in seconds
- Makes brake pad replacement an easy job

**LIL24300**



**LIL24300**

### Rear Disc Brake Caliper Tool

- For rotating pistons back into the caliper to provide clearance for new pads
- Includes five adaptors (available individually) for use in both 2- and 4-wheel rear disc brake assemblies of most US and import cars
- Tool may be used on or off the car
- A real time saver that makes this tough job easy
- Helps prevent damage to the piston and boot

**LIL25000**

**LIL25470** Pusher Screw Assembly



**LIL25000**



# Brake

## Caliper Tools/Pad Separators and Compressors



LIL25110

### Adapter 2B

- 1-5/8" with narrow pins
- Fits Mazda® 3 vehicle applications and some Jaguar® vehicle applications
- Replacement part for LIL25000

LIL25110



LIL25750

### Dual Piston Brake Caliper Compressor

- Compresses dual brake pistons simultaneously
- Squeeze the tool handle until the plunger contacts the inboard brake pad
- Continue squeezing to compress both pistons
- Makes dual piston pad replacement a simple job

LIL25750



LIL29100

### Quick Quad Pad Separator

- Spread brake pads and compress disc brake pistons for pad replacement on single, double and quad piston calipers
- Simultaneously compress all four pistons on quad piston applications
- Can be used while caliper is on the vehicle or hanging free
- Makes brake pad replacement a quick and easy job

LIL29100



LIL29350

### Combination Rear Brake Tool Kit

- One tool helps make installing new pads on front and rear brakes quick and easy
- Designed to work on single piston disc brakes that require the piston to be rotated back into the caliper as well as pistons that are not rotated
- Includes (2), double-sided thin pin adaptors along with a pinless pushing adaptor
- Shaft may be rotated both directions depending on the vehicle application

LIL29350



OTC7317A

### Disc Brake Caliper Tool Kit

- A must when you're installing brake pads on vehicles with 4-wheel disc brakes
- Works on most GM® vehicles, most Ford® vehicles and imported vehicles
- Includes a tool to retract the piston on a parking brake actuator

**Kit Includes:** Plate 3/8" extension Forcing screw Disc brake adaptor tool for 1-1/2" pistons that is usable two ways: one side fits Dodge® Conquest, Ford®, GM®, Honda®, Mazda® and Mitsubishi®; other side fits Pontiac® Fiero, Subaru® and Toyota® vehicles. Four wheel disc brake adaptor tool that fits 1-11/16" pistons on Subaru®, Nissan®, Datsun® and Ford® Thunderbird® vehicles. Disc brake adaptor tool for GM® vehicles with 1-7/8" pistons. Disc brake adaptor tool for GM® vehicles with 2-1/8" pistons. Disc brake adaptor tool for GM® vehicles with 2-1/2" pistons

OTC7317A



SAG17380

### Disc Brake Caliper Brush

- For removal of brake dust and dirt from caliper shaft
- For use on vehicles with disc brakes
- Thin profile accesses narrow crevices
- Heavy duty steel bristles
- Angled brush head for better access

SAG17380



SCHLEY PRODUCTS INC.

### Universal Brake Caliper Tool

**Applicable:** Imports, Ford® and Chrysler® vehicles

SEY85250A



SEY85250A

### Brake Pad Compressor Kit

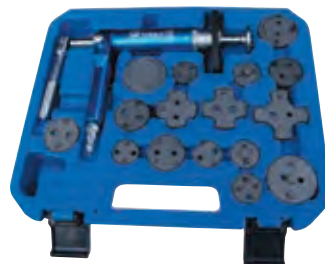
PneumaVc Wind-Back Brake Pad Compressor Kit

- First (and only) of its kind pneumatic (air powered) brake caliper piston compressor available in the US today
- Air gun's press/piston shaft has a straight shot, down the center, non-impact type action
- Along with its long lasting rubber O-rings, it can maintain a continuous pressing force 1:1 with the air compressor
- While under pressure and by using the hinged handle at the end of the shaft, it can be rotated right or left to wind back pistons, providing substantial time savings with less effort
- Magnetic, twin pin attachment base at the end of the shaft, along with the included pad attachment for converting to a 3/8" drive, will accept the vast majority of press pads on today's market

**Kit Includes:** 15 twin pin press pad attachments, adaptable to almost every single piston brake caliper in use today on vehicles through 2006

SIRST9020KIT

SIRST9020 Brake Pad Compressor Only



SIRST9020KIT



## Drum and Rotor Pullers

### Brake Drum and Rotor Puller

- Saves time and reduces damage to the wheel bearing by eliminating the need to repeatedly strike or heat the brake drum to free it from the hub
- Adjustable with a 17" spread and 6" reach
- Includes specially designed jaws to maximize surface contact ensuring uniform grip even on deteriorated drums
- Alloy steel bar is heat-treated to withstand 2 tons of reaction force while remaining compact and under 7 lb for easy use
- CA residents see page 365 for Proposition 65 warning. ⚠

**AEM833-0420**

**LANG**  
TOOLS



**AEM833-0420**

### Brake Drum and Rotor Puller

- Handles large components such as brake drums, rotors, drive wheels, gears, flywheels and pulleys
- One person can easily set the tool in place and use for tough pulls even where there is little access to insert the jaws
- Spread to 12–3/4" and 5" of reach
- 7 tons of force, yet weighs less than 10 lb
- Can be used with air tools to reduce time and fatigue

**OTC6980**

**OTC**



**OTC6980**

### Powerpull Wheel Bearing Puller – Tommy

- Mounts directly to wheel mounting flange
- Easily extracts corroded wheel bearing hubs/flange in under 3 min
- Precision machine turned HD steel and push rods
- Unique push rods push the wheel bearing off without loading axle
- Distributes powerful equal loads triangulated to remove the toughest bearing fast
- Monster extractor bolt for extreme loading
- Eliminates need to remove control arm saving over 3 hr
- Near immediate return on tool investment dollar
- Made in USA
- Limited lifetime warranty

**PMXTOM400PRO**

**PMX**  
**INFAX**



**PMXTOM400PRO**

## Drum Brake Tools

### 2-in-1 S-Cam Brake Tool

- Offers a more efficient method for changing brake shoes on an S-cam drum brake assembly
- Steel shaft with a U-shaped fork on one end to stretch the retaining spring so that both halves of the brake shoes are held together, which enables the user to hook up the pin
- S-shaped device on the opposite end enables the user to position the brake shoes in a way that allows leverage for installation of the rollers
- Hooked end pulls the brake shoes apart so that the rollers can be installed faster and more safely
- CA residents see page 365 for Proposition 65 warning. ⚠

**HRR36700**

**Cal-Yard**  
TOOLS



**HRR36700**

## Emergency Brake Tools

### Parking Brake Cable Remover

- Remove parking brake cable by compressing the spring
- Use when cable is still attached to parking brake assembly
- Ends of tools are angled to allow easier access
- Slots on each end allow tool to slip over cable instead of feeding the cable through the end of the tool
- Especially useful on Ford® F-series® trucks, Expeditions®, Excursions® vehicles, etc.

**LIL40750**

**Lisle**



**LIL40750**

### Universal Emergency Brake Tool

- Allows technicians to compress the emergency brake cable spring with one hand
- Keeps one hand free for brake shoe arm or lever replacement
- The tool can be used on many US and import vehicles with an emergency brake cable

**LIL44210**

**Lisle**



**LIL44210**

### Emergency Brake Cable Release Tool

- Quickly and easily pushes the emergency brake cable out of the cable connector for rear brake service or replacement
- The tool can be used on many US and import vehicles with an emergency brake cable at the rear wheels
- Works on drum brake applications as well as vehicles with rear disc brakes

**LIL44220**

**Lisle**



**LIL44220**

### Emergency Brake Cable Housing Pliers

- For vehicles with emergency brake cable at rear wheels
- Aids in removing brake cable housing from backing plate
- Hardened steel

**THX450**

**THEXTON**



**THX450**

## Master Cylinder

### Adaptor

- For brake master cylinder or clutch master cylinder reservoirs
- Used with pressure bleeder (pressure bleeder attachment thread size of 1/4" NPT)
- Made in USA

**ASTTA18**

**AST**

**ASSENMACHER**  
SPECIALTY TOOLS  
ASTTOOLS.COM



**ASTTA18**

### Master Cylinder Cover Adaptor Kit

- Contains master cylinder adaptors, which cover US and import vehicles
- Several universal adaptors and manufacturer specific caps
- An adaptor is also available to use with traditional pressure bleeders
- Adaptors fit 90% of screw cap reservoirs and come in a custom-molded case

**PHXMCCOVERKT**

**PHOENIX**  
SYSTEMS



**PHXMCCOVERKT**

# Brake

## Master Cylinder

### Fractional and Metric Master Cylinder Plug Kit

- Isolates the master cylinder from other brake components
- Tests whether the internal seals are leaking or in good condition
- Includes 26 machined aluminum plugs to fit most US and import vehicles

**Kit Includes:** SAE sizes: (2) 3/8-24, (2) 7/16-24, (2) 9/16-18, (2) 9/16-20 and (2) 1/2-20; Metric sizes: (4) M10 x 1.0, (4) M10 x 1.25, (2) M11 x 1.5, (2) M12 x 1.0, (2) M12 x 1.5 and (2) M13 x 1.5; thread gauge and instructions

**THX803P**



**THX803P**

### Universal Master Cylinder Bleeder Kit

- Professional quality with long lasting machined aluminum adaptors
- Bleed master cylinder on or off the car
- Includes 44% more adaptors, both SAE and metric, than the original 803 bleeder kit
- Now fits current design master cylinders with additional outlet ports
- **Kit Includes:** 26 adaptors, check valves, hose, thread gauge, instructions and plastic storage case

**THX803X**



**THX803X**

## Measuring

### Drum and Rotor Measuring Kit

- Attaches to any caliper on the lower jaws
- Outward-facing anvils measure drums between 8-13"/200-325 mm plus oversize
- Inward-pointing anvils measure all rotors
- Flat and pointed anvils to inspect drums and rotors before turning or replacing them
- Caliper not included
- Furnished in shop-hardened case

**CNT3K300**

**CNT3K301**



**CNT3K300**

### Wheels-on Rotor Gauge

- Easy-to-read digital display
- Allows quick rotor measurement without wheel removal
- Interchangeable pointed and flat anvils

**CNT3M336**



**CNT3M336**

### Anyform® and Rotor Combo Kit

- Combo kit includes both a disc and rotor/ball joint gauge and an Anyform® Magnetic Base set all packed in a convenient, shop-hardened case. It provides a combination of holding applications. Use the vise grip and flex arm to check ball joint wear, brake and rotor run-out. Attach the flex arm to the anyform base for magnetically mounting on virtually any metallic surface.

### Disc and Rotor/Ball Joint Gauge

- Checks ball joint wear and disc rotor run-out
- Checks tire and wheel run-out, gear backlash, valve guide wear, etc.
- Mounted to the vise grips, the 12" flex arm can be set to almost any measuring position desired

### Indicator Features:

- 0-1" travel
- .001" graduations
- .100" per revolution
- Tolerance markers

### Anyform® Magnetic Base

- Fit magnetic base to any shape or form
- Magnetic segments conform to any odd shape
- Rigid 1 pc construction
- 40 lb pull

**FFL72520700**



**FFL72520700**

### Brake Reset Gauge

- Use gauge to set the proper clearance between brake lining and drum from 6-1/2-14-1/4" (160-360 mm) in diameter
- Inside calipers measure drum diameters and outside calipers transfer measurement to brake shoes
- Knurled knob locks tool at measurement
- Calibrated in 1/64" increments

**KDT3377**



**KDT3377**

### Brake Pad Gauge

- Speed up your inspection process
- Unique design allows for measurement on the vehicle without the removal of any components in most cases (wheel assembly or brake caliper)
- Quick reference of brake pad condition via color code scale
- Attain measurement without removing any parts from the vehicle

**OTC6596**



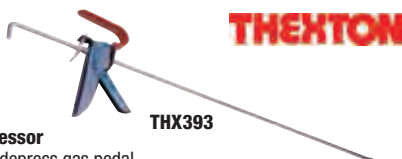
**OTC6596**

## Pedal Depressors

### Universal Throttle Pedal Depressor

- Attaches to steering wheel to depress gas pedal
- Adjusts RPM for cylinder balancing, tune-ups and more

**THX393**



**THX393**

### Brake Pedal Depressor

- Holds the foot brake simply and safely
- Length 28" (not to be used as break pedal lock)

**WAM0928**



**WAM0928**

# Clothing, Footwear and Sunglasses

## Belts

### Leather Belt Non-Scratch Closure

- Genuine leather
- Scratchless hook-and-loop closure
- Stitched-on, rubber Snap-on® logo
- Imported
- S (30–32), M (34–36), L (38–40), XL (42–44), XXL (46–48)

**SWN128812L** Large

**SWN128812M** Medium

**SWN128812S** Small

**SWN128812XL** X-Large

**SWN128812XX** XX-Large



### Debossed Leather Belt/2-Pin

- Genuine leather with scratchless 2-pin closure
- Debossed Snap-on® logo
- Imported
- S (30–32), M (34–36), L (38–40), XL (42–44), XXL (46–48)

**SWN128817L** Large

**SWN128817M** Medium

**SWN128817S** Small

**SWN128817XL** X-Large

**SWN128817XX** XX-Large



**STAPLES** Promotional Products®

## Button-up Shirts

### Long Sleeve Twill Shirt

- 5.5 oz 60% cotton/40% polyester easy-care twill
- Wrinkle-resistant finish
- Full-size chest pocket
- Hidden inner pen pocket
- Embroidered

**SWN198855M** Black, Medium

**SWN198855L** Black, Large

**SWN198855XL** Black, X-Large

**SWN198855XXL** Black, XX-Large

**SWN198859M** Red, Medium

**SWN198859L** Red, Large

**SWN198859XL** Red, X-Large

**SWN198859XXL** Red, XX-Large



**SWN198859**



**SWN198855**

### Short Sleeve Twill Shirt

- 5.5 oz 60% cotton/40% polyester easy-care twill
- Wrinkle-resistant finish
- Full-size chest pocket
- Hidden inner pen pocket
- Embroidered

**SWN198863M** Black, Medium

**SWN198863L** Black, Large

**SWN198863XL** Black, X-Large

**SWN198863XXL** Black, XX-Large

**SWN198865M** Red, Medium

**SWN198865L** Red, Large

**SWN198865XL** Red, X-Large

**SWN198865XXL** Red, XX-Large



**SWN198865**



**SWN198863**

**STAPLES** Promotional Products®

## Hats

### Foam Mesh Cap

- Black sandwich visor insert
- Fabric strap with hook-and-loop closure
- Pro style, structured
- Imported; Embroidered

**SWN321074** Red/Black

**SWN321075** Black/Gray

**SWN321076** Black/Red



**SWN321075**



**SWN321074**



**SWN321076**

### Outdoorsman Cap Prepack

- Sanded poly/cotton twill; structured crown; adjustable
- Four Realtree® patterns; pack includes (3) caps of each: Realtree Hardwoods Green HD®, Realtree AP®, Realtree Max-4®, Realtree Xtra®
- 12 caps included; (4) styles

**SWN72551**



**SWN72551**



**SWN9998947**



**SWN9998948**



**SWN9999453**

### Camo Beanie

- 100% acrylic knit
- Fits most
- Imported Embroidered; Gray Camo

**SWN9998947**

### Quality Tools Knit Beanie

- 100% acrylic knit
- Fits most
- Imported Embroidered; Black

**SWN9998948**

### Striped Knit Beanie

- 100% acrylic knit
- Fits most
- Imported Embroidered; Gray

**SWN9999453**

# Clothing, Footwear and Sunglasses

## Hats



**SWN9999454**

### Pixel Camo Cap-PKG 12

- Cotton twill with polyester mesh back
- Plastic snap closure
- Low profile, unstructured
- Imported Embroidered; (4) of each design

**SWN9999454**



**SWN9999460**

### Silver Liquid Metal Cap

- Cotton twill with polyester mesh back
- Fabric strap with hook-and-loop closure
- Imported Liquid metal decoration; Gray/White

**SWN9999460**



**WLD550036**

### Red Stretch-Fit Cap

- Six-panel, structured, low-profile twill
- Stretch fit, size M/L fits most
- Imported; Embroidered

**WLD550036**



**WLD550040**

### Black Stretch-Fit Cap

- Six panel, structured low profile twill
- Stretch-fit, size M/L fits most
- Import; Embroidered

**WLD550040**



**WLD555519**

### Black Knit Beanie

- Black 100% acrylic
- Embroidered

**WLD555519**



**WLDSP1163**

### 3D Grey Heather Cap

- Six-panel, structured, low profile
- Stretch-fit
- Imported; 3-D embroidered

**WLDSP1163**



**WLDSP1541**

### Chocolate/Khaki Lo Pro Trucker Cap

- Cotton twill, nylon mesh
- Structured
- Adjustable plastic closure
- Imported; Etched leather patch

**WLDSP1541**



**WLDSP1577**

### Black/Grey Cap

- 100% cotton twill
- Six-panel, structured
- Hook-and-loop closure
- Imported; Embroidered

**WLDSP1577**



**WLDSP1578**

### Black Balaclava

- Polypropylene fabric, fleece lining
- 17 x 10"
- Adjustable eye opening
- Imported; Embroidered

**WLDSP1578**



# Clothing, Footwear and Sunglasses

## Hats

### USA Knit Cap

- 100% acrylic
- 8-1/2"
- Made in USA; Knit logo

**WLDSP1575**



**WLDSP1575**

### Vintage Black Cap

- 100% cotton twill
- Unstructured
- Hook-and-loop closure
- Imported; Embroidered patch

**WLDSP1428**



**WLDSP1428**

### Black/White Mesh Back Cap

- 100% cotton twill, nylon mesh
- Unstructured
- Hook-and-loop closure
- Imported; Embroidered

**WLDSP1470**



**WLDSP1470**

**WILD IMPACT**  
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## Infant/Toddler/Youth

### Black Tool Character Onesie

- 100% cotton
- Snap closure
- Imported; Imprinted

**WLDSP15796M** 6 Month

**WLDSP157912M** 12 Month



**WLDSP1579**

**WILD IMPACT**  
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### Black Tool Character Bib

- 100% cotton
- Hook-and-loop closure
- Imported; Imprinted

**WLDSP1580**



**WLDSP1580**

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**STAPLES** Promotional Products



**STAPLES** Promotional Products



**STAPLES** Promotional Products



### Youth CamoHex Pullover

- 8 oz., 100% polyester with sublimated digital camo print
- Moisture-wicking, anti-static
- Imported; Screen Printed; Black/Deep Red

**SWN9999180S** Youth 6/8

**SWN9999181M** Youth 10/12

**SWN9999182L** Youth 14/16

**SWN9999183XL** Youth 18/20

### Infant Hooded Onesie

- 4.5 oz., 100% combed ringspun cotton vintage jersey
- CPSIA compliant
- Imported; Screen Printed; Vintage Red

**SWN99991846M** 6 Month

**SWN999918512** 12 Month

**SWN999918618** 18 Month

### Girly but Tough Tee

- 52% airlume combed, ring-spun cotton/48% polyester jersey
- Imported; Screen Printed; White/Denim.

**SWN9999187S** Youth 6/8

**SWN9999188M** Youth 10/12

**SWN9999189L** Youth 14/16

# Clothing, Footwear and Sunglasses

## Jackets

### Hybrid Softshell Jacket

- Bonded 90% polyester/10% spandex
- Durable water-repellent finish and 100% polyester
- Sleeves in 100% polyester tech fleece
- 210-thread 100% polyester taffeta lining
- Three-panel hood with bungee adjustment; zip front
- Zip hand pockets; vertical zip chest pocket
- Inside patch pocket; self-fabric cuffs and bottom band
- Imported; Embroidered

**SWN261414M** Medium  
**SWN261414L** Large  
**SWN261414XL** X-Large  
**SWN261414XX** XX-Large  
**SWN261414XXX** XXX-Large



### DRI DUCK® Trek Vest

- 10 oz., cotton canvas shell with poly-fill insulation and quilted nylon body lining
- 12 oz., polyester sherpa-lined collar and back yoke
- Double chest pocket with snap closure
- Inside cell phone pocket
- Imported; Embroidered Black

**SWN9999017M** Medium  
**SWN9999018L** Large  
**SWN9999019XL** X-Large  
**SWN9999020XX** XX-Large  
**SWN99990213X** XXX-Large



### Hooded Soft Shell Jacket

- 96% polyester/4% spandex shell is bonded to polyester micro-fleece; laminate film in between to repel wind and water
- Drawstring hood; front zipper with ergonomic pull
- Storm flap with chin guard
- Imported; Embroidered Black

**SWN9999023M** Medium  
**SWN9999024L** Large  
**SWN9999025XL** X-Large  
**SWN9999026XX** XX-Large



### Zephyr Reflective Jacket

- 100% polyester shell with reflective and color-blocking details
- Wind-and water-resistant
- Elastic-bound cuffs and bottom hem
- Imported; Embroidered Rich Red/Deep Black

**SWN9999039M** Medium  
**SWN9999040L** Large  
**SWN9999041XL** X-Large  
**SWN9999042XX** XX-Large



### Ladies Ario Hoodie

- 3.2 oz., 55% cotton/45% polyester burnout jersey
- Lace-up detail at raglan seams
- Unlined hood; V-notch neck detail; Semi-fitted
- Imported; screen printed; Cameo Pink

**SWN9999175S** Small  
**SWN9999176M** Medium  
**SWN9999177L** Large  
**SWN9999178XL** X-Large  
**SWN9999179XX** XX-Large



### Hot Rod Restoration Hoodie

- 7.2 oz., 60% cotton/40% polyester fleece
- Imported; screen print; Brick Heather

**SWN9999201M** Medium  
**SWN9999202L** Large  
**SWN9999203XL** X-Large  
**SWN9999204XX** XX-Large  
**SWN99992053X** XXX-Large



### Superior Camo Hoodie

- 6.5 oz., 80% cotton/20% polyester, pre-laundered, anti-pill
- Unlined hood
- Slim unisex fit

**SWN9999219M** Medium  
**SWN9999220L** Large  
**SWN9999221XL** X-Large  
**SWN9999222XX** XX-Large  
**SWN99992233X** XXX-Large



### Black Lightweight Tech Shell Jacket

- 100% polyester
- Reflective piping on front and back
- Imported; Embroidered logo on back

**WLDSP1386M** Medium  
**WLDSP1386L** Large  
**WLDSP1386XL** X-Large  
**WLDSP1386XXL** XX-Large



WLDSP1386

BACK

**WILD IMPACT**  
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# Clothing, Footwear and Sunglasses

## Jackets



### Ladies' Berry Pink Brushed Micro-Fleece Jacket

- 100% polyester
- Side zip pockets
- Imported; Lasered

**WLDSP1419S** Small

**WLDSP1419M** Medium

**WLDSP1419L** Large

**WLDSP1419XL** X-Large

**WLDSP1419XXL** XX-Large



**WLDSP1419**

## Pants



### Heather Grey Fleece Joggers

- Heavyweight polyester fleece
- Side pockets and back right pocket with hook-and-loop closure
- Imprinted

**WLDSP1019M** Medium

**WLDSP1019L** Large

**WLDSP1019XL** X-Large

**WLDSP1019XXL** XX-Large



**WLDSP1019**

## Polos



### Black Performance Polo

- Three-button placket
- 3-D transfer/debossed

**WLDSP1029M** Medium

**WLDSP1029L** Large

**WLDSP1029XL** X-Large

**WLDSP1029XXL** XX-Large

**WLDSP1029XXX** XXX-Large



**WLDSP1029**

### Black/Grey/Red Polo

- 100% jersey polyester
- Three-button placket
- Imported; Imprinted

**WLDSP1469M** Medium

**WLDSP1469L** Large

**WLDSP1469XL** X-Large

**WLDSP1469XXL** XX-Large

**WLDSP1469XXX** XXX-Large



**WLDSP1469**

## Sweatshirt



## Sweatshirts



**WLDSP1015**



**WLDSP1199**

### Performance Hoodie

- 100% polyester
- Front pouch pocket
- Import; Screen Print; Jet Black

**SWN9999326M** Medium

**SWN9999327L** Large

**SWN9999328XL** X-Large

**SWN9999329XX** XX-Large

**SWN99993303X** XXX-Large

### Black Billboard Full Zip Hoody

- 50/50 cotton/poly
- Ribbed cuffs and waistband
- Imprinted

**WLDSP1015M** Medium

**WLDSP1015L** Large

**WLDSP1015XL** X-Large

**WLDSP1015XXL** XX-Large

**WLDSP1015XXX** XXX-Large

### Black Billboard Pullover Hoodie

- 50/50 cotton/poly
- Ribbed cuffs and waistband
- Imprinted

**WLDSP1199M** Medium

**WLDSP1199L** Large

**WLDSP1199XL** X-Large

**WLDSP1199XXL** XX-Large

**WLDSP1199XXX** XXX-Large



# Clothing, Footwear and Sunglasses

## T-Shirts

### Textured Short Sleeve Shirt

- 4 oz., 55% cotton/45% polyester in a textured weave
- Two chest pockets with button flaps
- Imported; Screen Printed

**SWN9999072S** Small

**SWN9999073M** Medium

**SWN9999074L** Large

**SWN9999075XL** X-Large

**SWN9999076XX** XX-Large

**SWN99990773X** XXX-Large



### Pick-up Cotton Tee

- 5.2 oz., 100% ring-spun ComfortSoft® cotton
- Imported; Screen Printed; Denim

**SWN9999207M**

**SWN9999208L**

**SWN9999209XL**

**SWN9999210XX**

**SWN99992113X**



### Built to Last Coastal Tee

- 6.1 oz., heavyweight 100% cotton
- Imported; Screen Print; Jet Black

**SWN9999249M**

**SWN9999250L**

**SWN9999251XL**

**SWN9999252XX**

**SWN99992533X**



### Hot Tools Semi Tee

- 5.2 oz., 100% ring-spun ComfortSoft® cotton
- Imported; Screen Printed; Black

**SWN9999261M**

**SWN9999262L**

**SWN9999263XL**

**SWN9999264XX**



### Monster Car Tee

- 5.2 oz., 100% ringspun ComfortSoft® cotton
- Imported; Screen Printed; Light Steel

**SWN9999343M**

**SWN9999344L**

**SWN9999345XL**

**SWN9999346XX**

**SWN99993473X**



### Tribal Shop Shirt

- 60% polyester/40% cotton
- Classic fit
- Imported; Screen Printed; Black

**SWN9999411M**

**SWN9999412L**

**SWN9999413XL**

**SWN99994153X**



### Carbon Fiber Polo

- Polyester jersey with 25% recycled content
- Straight hem with side slits
- Classic fit
- Imported; Black

**SWN9999417M**

**SWN9999418L**

**SWN9999419XL**

**SWN9999420XX**

**SWN99994213X**



### Vintage Scoop Bottom Tee

- 4.3 oz., mineral washed, 100% ringspun cotton jersey
- Classic fit
- Imported; Screen Printed; Black

**SWN9999531M**

**SWN9999532L**

**SWN9999533XL**

**SWN9999534XX**





# Clothing, Footwear and Sunglasses

## T-Shirts

**WILD IMPACT**  
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### Black Pocket T-Shirt

- Heavyweight 100% pre-shrunk cotton
- Logos on left chest and back

**WLD591503** Medium  
**WLD591504** Large  
**WLD591505** X-Large  
**WLD591506** XX-Large  
**WLD591507** XXX-Large

**WLD591503**



### Black Long-Sleeve Logo Tee

- Heavyweight 100% pre-shrunk cotton
- Logos on both sleeves and left chest

**WLD5928M** Medium  
**WLD5928L** Large  
**WLD5928XL** X-Large  
**WLD5928XXL** XX-Large  
**WLD5928XXX** XXX-Large

**WLD5928**



### White Long Sleeve T-Shirt

- Heavyweight 100% cotton
- Imprinted

**WLDSP1169M** Medium  
**WLDSP1169L** Large  
**WLDSP1169XL** X-Large  
**WLDSP1169XXL** XX-Large

**WLDSP1169**



### Black Long Sleeve Pocket T-shirt

- 100% cotton
- Left chest pocket
- Imported; Imprinted

**WLDSP1475M** Medium  
**WLDSP1475L** Large  
**WLDSP1475XL** X-Large  
**WLDSP1475XXL** XX-Large

**WLDSP1475**



### Better Than Dark Heather T-shirt

- Soft style 65/30 poly/cotton
- Imported; Imprinted.

**WLDSP1523M** Medium  
**WLDSP1523L** Large  
**WLDSP1523XL** X-Large  
**WLDSP1523XXL** XX-Large  
**WLDSP1523XXX** XXX-Large

**WLDSP1523**



### Classic Jersey Long Sleeve T-shirt

- 100% cotton
- Imported. Imprinted

**WLDSP1524S** Small  
**WLDSP1524M** Medium  
**WLDSP1524L** Large  
**WLDSP1524XL** X-Large  
**WLDSP1524XXL** XX-Large

**WLDSP1524**



### Black Pocket T-Shirt (12 pk)

- 100% cotton
- Left chest pocket
- Includes (2) Medium, (4) Large, (4) X-Large, (2) XX-Large
- Imported; Imprinted

**WLDSP1358**

**WLDSP1358**



# Clothing, Footwear and Sunglasses

## Socks

### Merino Wool Crew Socks, One Pair

- Soft merino wool
- Natural heating and cooling
- Naturally wicks moisture away from the skin
- Lycra® throughout for super stretch and great fit
- Fully cushioned from top to toe for comfort
- Reinforced wear area
- Double reinforced heel and toe

**EC06550B** Black



**EC06550**

### Cotton Ankle Socks, One Pair

- Smooth toe seam
- Reinforced wear area
- Double reinforced heel and toe
- Fully cushioned from top to toe for comfort
- Lycra® throughout for super stretch and great fit

**ECOSN2550BM** Black, Medium

**ECOSN2550BR** Black, Large

**ECOSN2550BXL** Black, X-Large

**ECOSN2550G** Grey, Large

**ECOSN2550P** Pink, Medium

**ECOSN2550WL** White, Large

**ECOSN2550WM** White, Medium

**ECOSN2550WXL** White, X-Large



**ECOSN2550**



**ECOSN2550**



**ECOSN2550**



**ECOSN2550**

### Ultra Soft Merino Wool Crew Socks, One Pair

- Luxuriously soft on the skin
- Finer fiber for the most comfortable fit in casual shoes
- Natural heating and cooling; comfortable for all seasons
- Lycra® throughout for super stretch and great fit
- Naturally wicks moisture away from the skin
- Cushioned sole
- Reinforced wear area
- Reinforced heel and toe
- Fits shoe sizes 7–13

**ECOSN7550BL** Brown, Large

**ECOSN7550CL** Charcoal, Large



**ECOSN7550**

### Hi-Rise Cotton Crew Sock, One Pair

- Fully cushioned from top to toe for comfort
- Lycra® throughout for super stretch and great fit
- Reinforced wear area
- Double reinforced heel and toe
- Fits over the calf for additional support
- May help to reduce lower leg fatigue

**ECOSN8550BL** Black, Large

**ECOSN8550GL** Grey, Large

**ECOSN8550WL** White, Large

Sock Size	Shoe Size
M - Medium	Women's 6–10 Boys'/Men's 5–9
L - Large	Men's 7–12
XL - X-large	Men's 12–16

### Cotton "Low Profile" Socks, One Pair

- Smooth toe seam
- Reinforced wear area
- Double reinforced heel and toe
- Fully cushioned from top to toe for comfort
- Lycra® throughout for super stretch and great fit

**ECOSN1550BM** Black, Medium

**ECOSN1550BL** Black, Large

**ECOSN1550BXL** Black, X-Large

**ECOSN1550P** Pink, Medium

**ECOSN1550WM** White, Medium

**ECOSN1550WL** White, Large

**ECOSN1550WXL** White, X-Large



**ECOSN1550**



**ECOSN1550**



**ECOSN1550**

### Cotton Crew Socks, One Pair

- Smooth toe seam
- Reinforced wear area
- Double reinforced heel and toe
- Fully cushioned from top to toe for comfort
- Lycra® throughout for super stretch and great fit

**ECOSN4550BM** Black, Medium

**ECOSN4550BR** Black, Large

**ECOSN4550BXL** Black, X-Large

**ECOSN4550G** Grey, Large

**ECOSN4550GXL** Grey, X-Large

**ECOSN4550P** Pink, Medium

**ECOSN4550WL** White, Large

**ECOSN4550WM** White, Medium

**ECOSN4550WXL** White, X-Large



**ECOSN4550**



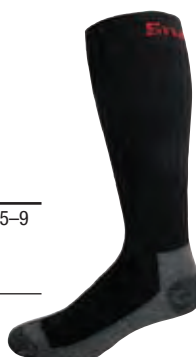
**ECOSN4550**



**ECOSN4550**



**ECOSN4550**



**ECOSN8550**



**ECOSN8550**



**ECOSN8550**

# Clothing, Footwear and Sunglasses

## Sunglasses (Anarchy®)



### Air Boss

- 100% UVA/UVB protection
- Polycarbonate lenses offer shatter/impact resistance
- Prescription-compatible frame
- Integrated metal spring hinge provides a comfortable fit



QM010217452

QM010217452

### Mindless

- 100% UVA/UVB protection
- Polarized lens eliminates glare
- Prescription-compatible frame



QM010217509

QM010217509



QM010217511

### Gator Pit

- 100% UVA/UVB protection
- TAC polarized lens eliminates glare
- Prescription-compatible frame
- Rubber nose pads and tips provide a comfortable nonslip fit

QM010217511



QM010218825

### Angst Black Polarized

- 100% UVA/UVB protection
- TAC polarized lens reduces glare
- 3-barrel metal hinge
- Polycarbonate frame

QM010218825 Black Polarized



QM010228526

### Ronix Grey

- 100% UVA/UVB protection
- TAC polarized lens reduces glare
- 3-barrel metal hinge
- Polycarbonate frame
- Brass-plated temples
- Polycarbonate lenses offer impact resistance

QM010228526 Grey



QM010217523

### K Grind

- 100% UVA/UVB protection
- TAC polarized lens eliminates glare
- Prescription-compatible frame
- Rubber nose pads and tips provide a comfortable nonslip fit

QM010217523



QM010223772

### Ricochet Black Polarized

- 100% UVA/UVB protection
- TAC polarized lens reduces glare
- 3-barrel metal hinge
- Polycarbonate frame

QM010223772 Black Polarized



QM010228532

### Venuto Black Polarized

- 100% UVA/UVB protection
- TAC polarized lens reduces glare
- Pin hinge
- Polycarbonate frame

QM010228532 Black/Polarized

## Sunglasses (Fast Metal)



FMIO1BKFB02



FMIO1BKSM02



FMIO1BLFB02

### Speed Demon

- Lightweight aluminum frame with folding temples
- Heavy-duty (7) barrel hinges
- Interchangeable lens
- Made in USA
- CA residents see page 365 for Proposition 65 warning. ⚠

FMIO1BKFB02 Matte Black Frame/Beryllium Copper Polarized Lens

FMIO1BKSM01 Black Frame/Smoke Lens

FMIO1BKSM02 Matte Black Frame/Smoke Polarized Lens

FMIO1BLFB02 Blue Frame/Beryllium Copper Lens

FMIO1FIBK Foam Dust Gasket

FMIO1GMFB02 Gun Metal Gray Frame/Beryllium Copper Lens

FMIO1RDFB02 Red Frame/Beryllium Copper Lens

FMIO1RLBL02 Blue Mirror Polarized Replacement Lens

FMIO1RLCL01 Clear Poly Carbonate Replacement Lens

FMIO1RLFB02 Copper Polarized Replacement Lens

FMIO1RLSM02 Smoke Polarized Replacement Lens

FMIO1RLYL01 Yellow Poly Carbonate Replacement Lens



FMIO1GMFB02



FMIO1RDFB02

# Clothing, Footwear and Sunglasses

## Sunglasses (Fast Metal)



**FM102BKFB02**



**FM102BKSM01**



**FM103TTFB02**

### Screaming Demon

- Lightweight grilamid nylon plastic frame
- 9-base speed wraparound lens design
- Great for high-speed venture like bike riding
- Flash Beryllium Copper Polarized lens
- Super-high-quality polarized lens that boosts color and clarity
- CA residents see page 365 for Proposition 65 warning. ⚠

**FM102BKFB02** Black Frame/Copper lens

**FM102BKSM01** Black Frame/Smoke Gray lens

**FM102RLBL02** Blue Mirror Polarized Replacement Lens

**FM102RLFB02** Copper Polarized Replacement Lens

**FM102RLGN02** Green Mirror Polarized Replacement Lens

**FM102RLSM02** Smoke Polarized Replacement Lens

**FM102WHSM01** White Frame/Smoke Gray lens



**FM104BKFB02**



**FM104BKSM01**

### Pioneer

- Lightweight aluminum frame with folding temples
- Heavy-duty 7-barrel hinges
- Interchangeable lens
- Matte Black Aluminum Frame, smaller than Speed Demon, Silver Mirror Copper Polarized lens
- Made in USA
- CA residents see page 365 for Proposition 65 warning. ⚠

**FM104BKFB02** Matte Black Frame/Copper Polarized Lens

**FM104BKSM01** Matte Black Frame/Gray Smoke Lens

**FM104BLFB02** Blue/Frame Copper Polarized Lens

**FM104FIBK** Foam Dust Gasket

**FM104RLBL02** Blue Mirror Polarized Replacement Lens

**FM104RLFB02** Copper Polarized Replacement Lens

**FM104RLSM02** Smoke Polarized Replacement Lens

### Fender

- Light weight durable grilamid nylon frame with rubber nose pads
- Flash Silver Beryllium Copper Polarized lenses with color boost
- Rubber end temple tips that help glasses stay put
- Similar styles cost way more but don't have the quality of the Fender
- Super high quality lens that boost color and clarity
- CA residents see page 365 for Proposition 65 warning. ⚠

**FM103BKFB02** Black Frame/Copper lens

**FM103TTFB02** Tortoise Frame/Copper lens



**FM105BKFB02**

### Jensen Hybrid

- Aluminum front faceplate and plastic nylon temples that fold
- Lightweight 4-base, no-wrap lens, geared toward fashion design
- Copper Polarized lens with Silver Mirror coating to reflect light
- Lenses are interchangeable if ever scratched
- 7-barrel hinge design made to last
- CA residents see page 365 for Proposition 65 warning. ⚠

**FM105BKFB02** Black Frame/Copper Lens

**FM105BLFB02** Blue Frame/Copper Polarized

**FM105BNFB02** Bronze Frame/Copper Polarized

**FM105GMFB02** Gun Metal Frame/Copper Polarized Lens

**FM105RDFB02** Red Frame/Copper Polarized Lens

**FM105RLFB02** Copper Polarized Replacement Lens

**FM105RLSM02** Smoke Polarized Replacement Lens

## Sunglasses (Gargoyles®)



### Homeland Black Frame Plasma Lens

- High grade TR90nzz frame
- 100% UV protection
- Lenses have a double-sided oleophobic coating and an anti-reflective interior coating
- G-LOC™ hinges

**QM010700146** Black Frame/Smoke Lens

**QM010700149** Black Frame/Plasma Lens



**QM010700146**

### Zulu Polarized Dark Gun Frame Orange Lens

- Aluminum-magnesium frame
- 100% UV protection
- Lenses have a double-sided oleophobic coating and an anti-reflective interior coating

**QM010700154** Polarized/Black/Smoke Lens

**QM010700155** Polarized/Dark Gun Frame/Orange Lens



**QM010700154**

### Stance Tan Frame Amber Lens

- High grade TR90nzz frame
- 100% UV protection
- Lenses have a double-sided oleophobic coating and an anti-reflective interior coating
- G-LOC™ hinges

**QM010700150** Matte Black/Smoke

**QM010700151** Tan Frame/Amber Lens



**QM010700150**

### Rucker

- Teardrop lens shape offers 180° wrap protection
- Lens vents promote better airflow to prevent fogging
- TR90-NZZ frames and G-Loc hinges
- 100% UVA/UVB protection, adjustable nose pads, includes case, scratch/impact resistant lenses, anti-reflective front/back

**QM010700272** Matte Black/Smoke

**QM010700273** Matte Black/Rose

**QM010700274** Matte Metallic Graphite/Clear

**QM010217223**



**QM010700272**



# Clothing, Footwear and Sunglasses

## Sunglasses (Wiley X®)



**WYXACE01**

### Ace Smoke Grey Lenses Matte Black Frame

- Safety eye protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eye-wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warranty against manufacturer's defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXACE01** Matte Black Frame

**WYXACE04** Tortoise Fade Frame



**WYXACASP06**

### Aspect Polarized Green Plat Flash Lens Matte Demi Frame

- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXACASP06**



**WYXACHAY04**

### Hayden Polarized Green Lens Satin Gold Frame

- Safety Eye Protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eyewear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warrant against manufacturers defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXACHAY04** Green Lens Satin Gold Frame

**WYXACHAY06** Matte Dark Gunmetal Frame



**WYXACKLE04**

### Klein Polarized Venice Gold Mirror Lens Gold Frame

- Safety Eye Protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety Eye wear
- Safety, Eye wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warrant against manufacturers defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXACKLE04** Gold Frame

**WYXACKLE06** Green Lens Gold Frame



**WYXACKNG09**

### Kingpin Polarized Blue Mirror Lens Matte Graphite Frame

- Safety Eye Protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eye wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warrant against manufacturers defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXACKNG09** Blue Mirror Lens Matte Graphite Frame



**WYXACVLS05**

### Vallus Polarized Crimson Mirror Lens Matte Black Frame

- Safety Eye Protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eye wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warranty against manufacturer's defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXACVLS05**



**WYXACOME12**

### Omega

- Fits medium to large faces
- Meets ANSI® Z87.1-2010 Standards for Safety
- Double-injected rubber nose piece for nonslip comfort
- Rx ready

**WYXACOME12** Kryptek® Neptune™ Frame/Polarized Emerald Green Mirror



**WYXCHVAL12**

### Boss

- Fits small to large faces
- Rubberized nose pads and temple tips for snug fit
- 100% UVA/UVB protection

**WYXCHVAL12** Kryptek® Typhon™ Frame/Polarized Grey Lens



**WYX1006**

### Romer 3

- Fits medium to large faces
- Interchangeable (3) lens package (smoke, clear, light rust)
- Meets ANSI® Z87.1 Standards for Safety and the military's GL-PD 10-12 impact safety standards so can be worn on the job as a safety glass
- Rubberized nose pads and temple tips for snug fit
- Rx ready

**WYX1006**

### Rogue

- Fits small to XXL faces
- Meets ANSI® Z87.1 Standards of Safety and the military's MIL-PRF-32432 (GL) ballistic standards so can be worn on the job as a safety glass
- Interchangeable, (3) lens package (smoke, clear, light rust)
- Adjustable nose piece for custom fit
- Rubberized nose pads and temple tips for snug fit
- 100% UVA/UVB protection
- Rx Ready

**WYX2802** Matte Black Frame/Multi-lens



**WYX2802**

### Airrage

- Fits small to medium faces
- Includes soft, removable foam to keep wind, dust and debris out of the eyes
- Meets ANSI® Z87.1 Standards for Safety so can be worn on the job as a safety glass
- Removable foam enables two pair of glasses for the price of one – a sunglass and a goggle
- Rubberized temple tips for snug fit
- Rx ready

**WYX698** Gloss Black Frame/Polarized Blue Mirror



**WYX698**

# Clothing, Footwear and Sunglasses

## Sunglasses (Wiley X®)



**WYXACKOB04**

### Kobe Polarized Venice Gold Mirror Lens Gloss Hickory Brown Frame

- Safety Eye Protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eye wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warrant against manufacturers defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXACKOB04** Brown Frame



**WYXACOME01**

### Omega07

- Fits medium to large faces
- Meets ANSI® Z87.1 Standards for Safety so can be worn on the job as a safety glass
- Rubberized nose pads for snug fit
- 100% UVA/UVB protection
- Rx ready

**WYXACOME01** Matte Black Frame/Smoke Grey Lens

**WYXACOME07** Matte Black Frame/Smoke Grey Lens



**WYXACPEA01**



**WYXACPEA09**

### Peak

- Fits medium to large faces
- Meets ANSI® Z87.1 Standards for Safety so can be worn on the job as a safety glass
- Rubberized nose pads for snug fit
- 100% UVA/UVB protection

**WYXACPEA01** Black Frame/Silver Lens

**WYXACPEA09** Matte Black Frame/Polarized Blue Lens



**WYXACREB01**

### Rebel

- Fits medium to large faces
- Meets ANSI® Z87.1 Standards and Safety so can be worn on the job as a safety glass
- Rubberized nose pads for snug fit
- Rx ready

**WYXACREB01** Black Frame/Grey Lens



**WYXACSLA01**

### Slay

- Fits medium to large faces
- Meets ANSI® Z87.1 Standards and Safety so can be worn on the job as a safety glass
- Rubberized nose pads and temple tips for snug fit
- 100% UVA/UVB protection

**WYXACSLA01** Matte Black Frame/Smoke Lens



**WYXACT0804**

### Tobi

- Fits medium to large faces
- Meets ANSI® Z87.1 Standards and Safety so can be worn on the job as a safety glass
- Lightweight, rimless style
- Rubberized nose pads and temple tips for snug fit

**WYXACT0804** Black Frame/Silver Polarized Lens



**WYXCCB0S01**

### Boss04

- Fits medium to large faces
- Includes soft, removable foam to keep wind, dust and debris out of the eyes
- Meets ANSI® Z87.1 Standards and Safety so can be worn on the job as a safety glass
- 100% UVA/UVB protection
- Rx ready

**WYXCCB0S01** Black Frame/Silver Flash Grey Lens

**WYXCCB0S04** Gloss Black Frame/Polarized Venice Gold Mirror Lens



**WYXCCB0S12**

### Boss

- Fits medium to large faces
- Meets ANSI® Z87.1-2010 Standards and Safety so can be worn on the job as a safety glass
- 100% UVA/UVB protection

**WYXCCB0S12** Kryptek Highlander® Frame/Polarized Venice Gold Mirror Lens



**WYXCCMP07**

### Compass Polarized Emerald Mirror Lens Kryptek® Neptune Frame

- Safety eye protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, eye wear, glasses, goggles, ANSI® Z87.1, OSHA approved
- 1 year warranty against manufacturers defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXCCMP07** Neptune Frame



**WYXCCGRA01**

### Wiley X® Gravity

- Fits medium to large faces
- Includes soft, removable foam to keep wind, dust and debris out of the eyes
- Removable foam enables two pair of glasses for the price of one – a sunglass and a goggle
- Meets ANSI® Z87.1 safety standards and the military's GL-PD 10-12 impact safety standards so can be worn on the job as a safety glass
- Rubberized nose pads and temple tips for snug fit

**WYXCCGRA01** Matte Black Frame/Smoke Grey Lens

**WYXCCGRA04** Black Frame/Blue Polarized Lens

**WYXCCGRA05** Gloss Black Frame/LA Light Adjusting Smoke Grey Lens



**WYXCCSLE01**

### Sleek02

- Fits small faces
- Includes soft removable foam to keep wind, dust and debris out of the eyes
- Meets ANSI® Z87.1 safety standards so can be worn on the job as a safety glass
- Matte violet finish
- 100% UVA and UVB protection

**WYXCCSLE01** Matte Violet Finish

**WYXCCSLE02** Matte Black Finish

# Clothing, Footwear and Sunglasses

## Sunglasses (Wiley X®)



**WYXCCTID01**



**WYXCCTID09A**

### Tide

- Fits medium to large faces
- Includes soft removable foam to keep wind, dust and debris out of the eyes
- Meets ANSI® Z87.1 safety standards so can be worn on the job as a safety glass
- 100% UVA and UVB protection

**WYXCCTID01** Matte Black Frame/Smoke Lens

**WYXCCTID09A** Black Frame/Polarized Blue Lens



**WYXCWAV09**

### Wave Polarized Blue Mirror Lens Gloss Black Frame

- Safety Eye Protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eye wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warrant against manufacturers defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXCWAV09** Blue Mirror Lens Gloss Black Frame



**WYXCHSAI04**



**WYXCHSAI06**

### Wiley X® Saint

- Fits small to medium faces
- Meets ANSI® Z87.1 safety standards and the military's MIL-PRF-32432 (GL) ballistic standards so can be worn on the job as a safety glass
- Polarized lenses to cut glare
- Rubberized nose pads and temple tips for snug fit
- 100% UVA and UVB protection
- Rx ready

**WYXCHSAI04** Gloss Black Frame/Polarized Smoke Green Lens

**WYXCHSAI06** Black Frame/3 Lens



**WYXCHVAL01**



**WYXCHVAL05**

### Valor

- Fits small to large faces
- Meets ANSI® Z87.1 safety standards and the military's MIL-PRF-32432 (GL) ballistic standards so can be worn on the job as a safety glass
- Rubberized nose pads and temple tips for snug fit
- 100% UVA and UVB protection

**WYXCHVAL01** Matte Black Frame/Smoke Lens

**WYXCHVAL05** Matte Black Frame/Polarized Crimson Lens



**WYXP-17**



**WYXP-17GM**

### Wiley X® P-17

- Fits small to medium faces
- Meets ANSI® Z87.1 Safety standards so can be worn on the job as a safety glass
- Rubberized nose pads and temple tips for snug fit
- Rx ready

**WYXP-17** Black Frame/Green Polarized Lens

**WYXP-17GM** Gloss Black Frame/Polarized Emerald Mirror Lens



**WYXSSEN08**

### Censor Black Ops Polarized Smoke Grey Lens Matte Black Frame

- Safety eye protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eye wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warranty against manufacturers defect
- Glasses sold separately
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXSSEN08** Smoke Grey Lens Matte Black Frame



**WYXSSTW08**

### Twisted Black Ops Polarized Smoke Grey Lens Matte Black Frame

- Safety eye protection
- Rx ready
- Meets or exceeds ANSI® Z87.1 Standards for Safety
- Safety, Eye wear, Glasses, Goggles, ANSI® Z87.1, OSHA approved
- 1 year warranty against manufacturers defect
- CA residents see page 365 for Proposition 65 warning. ⚠

**WYXSSTW08**

## Sunglasses Accessories



### Locking Sunglass Display Case

- Mountable, locking 12-pair sunglasses display
- Easily demonstrates variety of glasses for sale
- Built-in mirror
- Keeps glasses secure over rough roads

**WYX87**

**WYX87**



# Coolant Systems

## Anti-Freeze Testers

### Refractometer

- Use only one drop of solution
- Adjustable lens focus
- Test Propylene Glycol including Sierra®
- Test Ethylene Glycol including Dex-Cool®
- Calibration adjustment screw
- Check state of battery charge
- Screwdriver, distilled water, eyedropper and padded case included

**EZRB108**



### Cold-Chek® Ethylene Glycol Anti-Freeze Tester

- Most popular ball-type tester
- Tests to -34 °F
- Temperature compensating
- Chromed ABS safety shield
- Vinyl case imprinted with protection scale

**THX102**

**THX102**



### Cold-Chek®/Charg-Chek® Refractometer

- Professional refractometer needs only a single drop of solution for testing Propylene and Ethylene Glycol-based coolants as well as state of battery charge
- Dual scales accurately read in both Fahrenheit and Celsius
- Packaged in plastic storage case

**THX105**

**THX105**



### Cold-Chek® Professional Anti-Freeze Tester

- Ethylene glycol tester
- Large 16-1/4" tester is accurate at all temps
- Easy-to-read discs are magnified by clear plastic barrel
- Special "6th disc" shows overprotection
- Accurate testing, hot or cold

**THX106**

**THX106**



### Cold-Chek® Professional Anti-Freeze Tester

- Propylene glycol tester
- Professional size 16-1/4" tester used for radiators and testing winterized fresh water systems in RVs and boats
- Floating discs measure level of protection
- Reads in Fahrenheit and Celsius

**THX107**

**THX107**



## Cooling System Pressure Testers

### Cooling System Pressure Test Kit

- Pressure test regulator
- Twist Lock "A" size and small neck radiator adaptor
- (B and C) retainers
- 5' pressure bleed-off hose
- Blow-molded storage case

**WAE62831**

**WAE62831**



## Fan Clutch Tools

### 3 pc Fan Clutch Wrench Set

- Used to remove and replace thermostatic fan assemblies while eliminating the need for various size holding wrenches

#### Applicable:

Ford® trucks with 2.8 L, 2.9 L, 3.0 L, 4.0 L, 4.9 L and 5.0 L engines; Dodge® trucks with 3.9 L, 5.2 L, 5.9 L, and 8.0 L V-10 engines; GM® trucks with 4.3 L, 5.0 L, and 5.7 L engines; Jeep® vehicles with 5.2 L engines

**KDT3472**

**KDT3422** 40 mm Wrench Only

**GW GEARWRENCH**



**KDT3472**

### Fan Clutch Service Kit

- Versatile kit covers most vehicles with bolt-on pulleys and also newer Chrysler® vehicle engines with press-on pulleys requiring special pins to hold housing
- Features the patented universal pulley holder

**KDT3900** Universal Pulley Holder

**KDT3422** 40 mm Wrench Only

**KDT3473** 47 mm Fan Nut Wrench



**KDT3900**

### 2 pc 6.0L Fan Clutch Pulley Holder

- Designed for fan clutch removal on 2003–newer Ford® 6.0 L Power Stroke® engines
- Unique fan clutch wrench grips and securely holds the pulley housing
- Fan clutch holding tool to loosen and remove oval or round hole holding nut

**KDT3950**

**GW GEARWRENCH**



**KDT3950**

### Pneumatic Fan Clutch Wrench Set

- Uses an air hammer to quickly remove and install fan clutches
- Much faster than other tools
- Set includes driver and (7) driving wrenches for Ford®, GM® and Chrysler®

**Sizes include:** 1-1/2", 1-9/16", 1-7/8", 2", 36 mm, 41 mm and 42 mm

**LIL43300** Set

**LIL43340** 2-1/8" Fan Clutch Wrench

**LIL43370** Handle Only

**LIL43380** 32 mm Wrench Only

**LIL43390** 36 mm Driving Wrench Only

**LIL43410** 1-7/8" Driving Wrench

**LIL43420** 2" Driving Wrench



**LIL43300**

**LIL43440** 40 mm Driving Wrench

**LIL43450** 42 mm Driving Wrench

**LIL43530** 47 mm Driving Wrench

**LIL43540** 1-1/2" Driving Wrench

**LIL43550** 41 mm Driving Wrench



## Fan Clutch Tools

### Pneumatic Fan Clutch Wrench

- 7/8" driving wrench for use with LIL43300 wrench set
- Quickly removes and installs fan clutch when repairing the water pump or fan clutch
- Faster and easier than conventional fan clutch wrenches
- No holding wrench is necessary

**LIL43430**



### Diesel Fan Clutch Wrench for Ford® Vehicles

- Designed for use with OTC7205E1 holding tool to remove fan clutch assembly
- Has the same size opening as the OTC7205E2 wrench, but with a special bend in the handle to provide clearance for accessories found on some vehicles

#### Applicable:

1998–2002 Ford® vans and pickup trucks with 7.3 L direct-injected turbocharged (DIT) diesel engine

**OTC6068**



## Heater Hose Tools

### Heater Hose Disconnect for Ford® 2.0 L

- Disconnects the heater hose fittings on 2012–2016 Ford® Focus® 2.0 L and 2013–2016 Ford® Escape® 2.0 L EcoBoost®
- For fittings close to the firewall behind engine that are difficult to turn

**LIL39200**



### Heater Hose Disconnect Tool for Ford® Vehicles

- 7-3/4" and 5/8" disconnect tools for Ford® vehicle heater hoses

**OTC519156**



## Radiator Tools



**THX356**

### Heater Core Backflush Tool

- Fits 1/2", 5/8" and 3/4" heater hoses
- No need to use acids or caustic solutions
- Saves costly replacement of even most stubbornly clogged heater cores
- Made of corrosion-resistant aluminum
- Basic garden hose hook-up cleans cooling systems and heater cores without disassembly

**THX356**



**THX467A**

### Radiator Condenser Cleaning Wand

- Blast away dirt and debris at a 90° angle
- Reaches 24" between radiator and condenser
- Made of zinc-plated steel with adjustable valve
- Blow gun meets OSHA requirements for blasting away bugs, dirt and debris
- Converts to high-pressure spray wand for finish cleaning

**THX467A**



**THX815**

### Heater Core Backflush with Air Assist

- Fit 1/2, 5/8, and 3/4" heater hoses and uses standard garden hose for water and 1/8 NPT for shop air fitting
- Basic garden hose hook-up cleans cooling system and heater cores without disassembly
- No need to use acids or caustic solutions; radiator pressure cap prevents over boosting
- Water pressure can be easily controlled with ergonomic handle

**THX815**

## Tank and Cap Adaptors

### Tank Adaptor for BMW® Vehicles

- For pressurizing cooling system
- Used in conjunction with cooling system pressure tester

#### Applicable:

Most 1988–2008 BMW® models (except new 3 (E90), 5 (E60), X3® (E83) and 6 (E63/E64) Series)

**ASTBMW345**

**ASTBMW3451** O-ring



**ASTBMW345**

### Tank Adaptor for BMW® Vehicles

- For pressurizing cooling system

#### Applicable:

BMW® models 2004–2019

**ASTBMW350**



**ASTBMW350**

### Tank Adaptor

- For pressurizing cooling system
- Made in USA

#### Applicable:

Lexus® LS 460 2007–2013; Lotus® Elise 2005–2005; Scion® tC 2011–2013, xB 2011–2013; Toyota® Celica GTS-S, Highlander® 2006–2010, MR2 Spyder, Prius® 2001–2016 and RAV4 2006–2018

**ASTFZ1481** O-ring

### Tank Adaptor

- For pressurizing cooling system
- Made in USA

#### Applicable:

Lexus® LS 460 [2007–2013]; Lotus® Elise [2005–2005]; Scion® tC [2011–2013], xB [2011–2013]; Toyota® Celica GTS-S, Highlander® [2006–2010], MR2 Spyder, Prius® [2001–2016] and RAV4 [2006–2018]

**ASTFZ22**



**ASTFZ22**

### Tank Adaptor

- For pressurizing cooling system
- Made in USA

#### Applicable:

Autocars [2001–2016], BMW® 330e 2017–2018, 430i 2017–2019, 530e 2017–2018, 740e 2017–2018, i3 2014–2018, i8 2014–2018, V8 Twin Turbo Intercooler Coolant Reservoir 2008–2017; X5® xdrive 40e 2017–2018, Ferrari® 350, 450 and 550 series with threaded tank; Fiat 500®, Jeep 1987–1990; Land Rover® Freelander® 2002–2004, Mini Cooper® models: RAM® Trucks ProMaster 1500 2014–2018; Volvo® Passenger Vehicles and Trucks with threaded neck with 47mm x 3mm threads 1978–2006

**ASTFZ25**



**ASTFZ25**

# Coolant Systems

## Tank and Cap Adaptors

### Tank Adaptor

- For pressurizing a cooling system

#### Applicable:

Cadillac® vehicles: Catera® 1997–2001; Ford®/Lincoln®/Mercury® vehicles: Cougar/Thunderbird® V8 1993–1997, Crown Vic/Grand Marquis 1993–2003, Expedition® 2003–2006, Excursion® 2000–2003, Explorer® 2002–2004, E-Series Vans, and F-Series Trucks with male threads on coolant tank, Freestyle® 2005, Five Hundred 2005, Mark VIII 1993–1998, Navigator® 1998, and Sable® 1996–2003, Sterling 2005, Taurus® 1996–2006, Towncar 1993–1999, Thunderbird® 1995 and 2003 vehicles, and 2002–2003 Windstar vans International®: 466 engine with male threads on filler neck Mercedes® vehicles: ML 320 and ML 430 1998–2005

#### ASTFZ32A



ASTFZ32A



ASTFZ36

### Cap Adaptor

- For checking pressure relief valve in radiator cap
- Made in USA

#### Applicable:

Ford® vehicles: Crown Victoria® 1993–2003, Explorer® 2002, Excursion® 2000–2003, Taurus® 1996–2003, Thunderbird® 1993–1997 V8; Lincoln® vehicles: Mark VIII 1993–1998, Town Car 1993–1999; Mercury® vehicles: Cougar 1993–1997 V8, Grand Marquis 1993–2003, Sable® 1996–2003; Mercedes® vehicles: M-Class®; Saturn® vehicles; Most GM® vehicles through 1998

#### ASTFZ36



ASTFZ41

### Tank Adaptor

- For pressurizing cooling system
- Used in conjunction with cooling system pressure tester
- Made in USA

#### Applicable:

Audi® A3, A4, A6, A7, A8, Quattro® Allroad®, Q3, Q5, Q7, S3, S4, S5, S7, TT [1996–2019]; Lamborghini® Aventador® LP700-4, Gallardo®; Porsche® 911 (991 Body) [2012–2015], Cayenne [2004–2013]; Volkswagen® Atlas®, Beetle®, CC, EOS, Golf®, GTI, Jetta®, Passat®, Rabbit®, Tiguan® and Touareg® [1998–2019]

#### ASTFZ41

#### ASTFZ411 O-ring



ASTFZ55

### Tank Adaptor for Dodge® Sprinter® Vehicles

- Made in USA

#### Applicable:

Dodge® Sprinter® [2003–2009] and Mercedes® Sprinter® [2010–2018]

#### ASTFZ55

### Tank Adaptor

- For pressurizing a cooling system
- Used in conjunction with cooling system pressure tester
- Made in USA

#### Applicable:

Buick®, Cadillac®, Chevy®, GMC®, Oldsmobile®, Pontiac® & 1992–2017 Saturn®

#### ASTFZ35A

#### ASTFZ351 O-ring

#### ASTFZ35A1 O-ring

#### ASTFZ35A2 Flat Rubber Gasket



ASTFZ35A



ASTFZ371

### Tank Adaptor, O-ring

- For pressurizing cooling system
- Used in conjunction with cooling system pressure tester

#### Applicable:

Ford® Escape®, Mazda® Tribute, 1998–newer Ford® Contour, 1998–2001 Jaguar® XK8, XJ8 and 2002 Jaguar® X-Type.

#### ASTFZ371 O-ring



ASTFZ47

### Tank Adaptor

- Made in USA

#### Applicable:

Ford® [2013–2019], Jaguar® [2019], Land Rover® [2007–2019], Mazda® [2004–2013] and Volvo® [2008–2018]

#### ASTFZ47



### Tank Adaptor for Mercedes-Benz® Vehicles

#### ASTM03491 O-ring



### Cooling System Adaptor Kit

- (9) machined aluminum adaptors
- Universal CAM style adaptor
- “A” and “B” spindle adaptors
- Blow-molded storage case

#### WAE62801



WAE62801

## Disconnect Tools

### 1/4" Fuel Line Remover for Ford® Vehicles

- Black anodized aluminum
- For removal of return line of fuel pump

#### Applicable:

1995–1996 Ford® Mustang® vehicles

**AST8010** 1/4" Fuel Line Remover

**AST8011** Replacement Rubber Band



**AST8010**

### Fuel Line Remover for Ford® and GM® Vehicles

- Gold anodized aluminum
- For removing 3/8" fuel lines and feed line from fuel pump sending unit

#### Applicable:

1990–newer Ford® Aerostar®, Explorer® and Bronco® vehicles; 1991–newer E- and F-Series, 1992–newer Ranger® trucks; some 1992–newer GM® vehicles with 3/8" fuel line and fuel rail

**AST8013** 3/8" Fuel for Ford® and GM® Vehicles

**AST8011** Replacement Rubber Band



**AST8013**

### Oil Cooler Line Remover for Dodge® Vehicles

- Green anodized aluminum
- For removal of 1/2" oil cooler lines from transmission and oil cooler

#### Applicable:

1995–newer Dodge® Ram® pickup trucks with V10 or Cummins® turbo diesel engine

**AST8016** 1/2" Transmission

**AST8011** Replacement Rubber Band



**AST8016**

### Fuel Filter Remover for Chevrolet® Vehicles

**AST8022** Fuel Filter

Removal: for 2002–2004 Chevrolet® Tahoe® and Suburban® Vehicles



**AST8022**

### 1/2" Oil Cooler Line Remover for Ford® Vehicles

- Used for R&R of transmission oil cooler lines
- Black anodized aluminum

**AST8024** 1/2" Transmission for 2006–2007 Ford® Explorer® Vehicles

**AST8011** Replacement Rubber Band



**AST8024**

### Line Disconnect Tool for BMW® Vehicles

- Red anodized aluminum
- Power steering and transmission oil cooler line remover
- New design covers the transmission cooler line
- Made in USA

#### Applicable:

1999–2011 BMW® 3-Series and X5

**ASTBMW5346**



**ASTBMW5346**

### Oil Line Disconnect Tool for Ford® Vehicles

- Red anodized aluminum
- For removing fuel filter and 5/16" return line from fuel pump sending unit

#### Applicable:

1990–newer Ford® Aerostar®, Explorer® and Bronco® vehicles; 1991–newer E- and F-Series, 1992–newer Ranger® trucks; some 1992–newer GM® vehicles with 5/16" fuel line and fuel rail

**AST8012** 5/16" Fuel for Ford® and GM® Vehicles

**AST8011** Replacement Rubber Band



**AST8012**

### Oil Cooler Line Remover for Ford® Vehicles

- Blue anodized aluminum
- For removing both of the oil cooler lines from the fittings on automatic transmissions

#### Applicable:

Ford® Taurus® and Escort® vehicles with AXOD and ATX transmissions

**AST8014** 5/16" Transmission, AXOD and ATX Transmissions for Ford® Vehicles

**AST8011** Replacement Rubber Band



**AST8014**

### Oil Cooler Line Remover for Ford® Vehicles

- Purple anodized aluminum
- For disconnecting transmission oil cooler lines

#### Applicable:

2003–2004 Ford® Explorer® vehicles with a V8 engine

**AST8021** 3/8" for Ford® and Cadillac® Vehicles

**AST8011** Replacement Rubber Band



**AST8021**

### Oil Cooler Line Remover for Ford® Vehicles

- Orange anodized aluminum
- Used to disconnect transmission oil cooler lines

#### Applicable:

Ford® Edge®, Escape®, Excursion®, Explorer®, F-250 and F-350 (6.0 L turbo diesel) and Ford® 6F transmission

**AST8023** 1/2" Transmission for Ford® Vehicles

**AST8011** Replacement Rubber Band



**AST8023**

### Fuel Line Release Tool for GM® Vehicles

- Orange anodized aluminum
- For removal of the fuel line from the indirect fuel injector

#### Applicable:

6.6 L Duramax® DSL in 2011–2016 Chevrolet® Express, 2011–2014 Siverado® 2500 HD and 2011–2014 GMC® Sierra® 2500 HD

**AST8027**

**AST8011** Replacement Rubber Band



**AST8027**

### Fuel Line Disconnect Tool for BMW® Vehicles

- Green anodized finish
- Made in USA

#### Applicable:

BMW® vehicles 2006–2009, 3 Series® 2006–2011 and X3 2006–2009 models (E90 and E83)

**ASTBMW8390**



**ASTBMW8390**

# Disconnect Tools

## Disconnect Tools

### Heater Line Q.C. Release Tool

- For engine coolant heater lines that utilize a unique design quick connect fitting which requires this release tool for line removal
- Fits around the heater line and engages the locking tabs for proper line removal

#### Applicable:

1999–current Chevrolet® and GMC® light duty trucks

**KTMJ43181**

**KENT-MOORE**



**KTMJ43181**

### Disconnect Pliers

- Low profile design with 85° bend disconnects fuel line and EVAP line fittings
- Can also be used on some electrical connectors
- 85° bend allows tool to fit between the top of the fuel tank and vehicle
- Works great on Delphi two tab connectors and some import vehicles

**LIL37160**



**LIL37160**

### Fuel Line Retaining Clip Tool Set

- Compact tool design fits tight spaces
- Two sizes, 3/8" and 5/16", are designed to release the
- Includes bead chain for storage

**Set Includes:** LIL39170 and LIL39180

**LIL39160**

**LIL39170** 5/16" Disconnect Tool

**LIL39180** 3/8" Disconnect Tool



**LIL39160**

### Fuel Line Disconnect for Toyota® and Nissan® Vehicles

- Disconnects the 5/16" main fuel line from the fuel rail on many Toyota® and Nissan® vehicles
- Hinged design and fully tapered end allow tool to be quickly and easily inserted into fuel line quick connector, even in hard-to-reach areas

#### Applicable:

Toyota® Echo®: Scion® xB, xA, tC, Solara®: Corolla®, Sequoia®, Celica®, RAV4®, Prius®, Camry®, MR2®, Matrix®, Tundra®, Highlander® and 2004–newer Nissan® model vehicles with 5/16" fuel rail

**LIL39210**



**LIL39210**

### 5 pc Air Line Disconnect Set

- Disconnects quick connect push-in connectors found on heavy-duty truck air systems and more
- Double-ended to disconnect air lines even in hard-to-reach areas
- Angled end allows maximum leverage
- Smaller end fits in tight spots
- Disconnects air systems on brakes, suspension, steering, engine, transmission and other auxiliary equipment
- Disconnects other quick connect push-in fittings, including: flow control valves, check valves, shuttle valves, quick exhaust valves and other function control fittings in compressed air systems

**Set Includes:** Five popular sizes: 1/8–5/32", 1/4", 3/8", 1/2" and 5/8"

**LIL42400**



**LIL42400**

### Rocker Arm Release Tool for Ford® Vehicles

- Services select Ford® 4.5 L V6 diesel and 6.0 L diesel engines

**OTC303-1170**



**OTC303-1170**

**OTC**

**OTC**

### Trans Line Disconnect Tool, FOD

- 3/8" size
- Snap around cooler line, push into the fitting, fitting releases; the cooler line can then be removed

**OTC307441**



**OTC307441**

### Tube Lock Spring Coupler

- Spring-loaded in the closed position to deflect any spray that occurs when lines are disconnected
- Approved by vehicle OEMs

**OTC518896** 3/8" Yellow

**OTC518899** 1/2" Green



**OTC518899**

**OTC**





## Disconnect Tools

### Fuel Line Disconnect Tool for 3/8" Lines

#### Applicable:

GM®, Chrysler® and Ford® vehicles with quick connect fuel lines; releases quick connect fitting on 3/8" fuel line

**OTC519068**



**OTC519068**

### Heater Line Disconnect Tool for GM® Vehicles

- Specially designed for separating quick-connect fittings on heater lines of 1999–2004 Chevy® and GMC® C/K trucks

- Tool snaps around the hose and simultaneously depresses the locking tabs to disengage the fitting

**OTC6046**



**OTC6046**

### Fuel Line Disconnect Tool

- Special low-profile design works in close quarters on GM®, Ford® and Chrysler® vehicles with limited clearance between the fuel line fittings and fuel filters, fuel rails or sending units
- Tool is designed to access the center port on GM® vehicle fuel tank sending unit

**OTC6509** For 3/8" and 5/16" applications; will also service 1999–current GM® pickup trucks; 2000–current Suburban®, Tahoe® and Yukon® gasoline vehicles

**OTC6511** For 3/8" and 1/2" applications; will also service 2001–current and 1 ton trucks with the Duramax® diesel engines



**OTC6509**

### 9 pc Disconnect Tool Set

- Designed for A/C lines, fuel lines and transmission cooler lines
- Contains 3/8", 1/2", 5/8" and 3/4" spring lock disconnect tool for A/C lines on 1981–2003 Ford® cars and trucks, 1994–2003 Chrysler® and Jeep® vehicles
- Contains the 3/8" and 1/2" fuel line disconnect tool for Ford® vehicles
- Contains the 5/16" and 3/8" fuel line disconnect tools for GM® and Chrysler® vehicles
- Contains the transmission oil cooler line disconnect tool used on many GM® and Ford® vehicles

**OTC6517**



**OTC6517**

### Oil Line Disconnect Tool for Ford® Vehicles

- Use to disconnect the high-pressure oil rail supply line from the fuel rail when removing fuel injectors

#### Applicable:

6.0L diesel engine found in 2003–newer Ford® F-250, F-350, F-450 and F-550 trucks and Ford® Excursion® vehicles

**OTC6594**



**OTC6594**

### Oil Line Disconnect Tool – High Pressure for Ford® Vehicles

- Use to disconnect the high-pressure oil line from the cylinder head

#### Applicable:

1998–2003 Ford® vans and trucks with 7.3 L direct-injected, turbocharged (DIT) diesel engines

**OTC6595**



**OTC6595**

### Fuel Line Disconnect Tool for GM® Vehicles

- Required tool to remove the fuel line from the fuel filter

#### Applicable:

2002 – newer Tahoe® and light-duty trucks with 5.3 L V8 engines

**OTC6603A**



**OTC6603A**

### Fuel Line Disconnect Tool Kit

- Will not damage fuel line or connector
- Fits 5/16", 3/8" and 1/2" fuel lines

**Includes:** OTC7337 and OTC7361

#### Applicable:

Quick connect fuel lines on Ford®, GM® and Chrysler® vehicles. Also works on spring lock fuel line couplings on Ford® vehicles PFI system.

**OTC7363** Kit

**OTC7361** Set Includes OTC7370 and OTC7371



**OTC7363**

**OTC7361**

# Driveline/Steering/Suspension/Transmission Tools

## Axle Tools

### 6 pc Spindle Nut Kit

- Six chrome vanadium steel 1/2" drive sockets are for most 4-wheel drive SUV and light truck axle locknut applications
- Use with a torque wrench, ratchet or breaker bar

#### KDT41660 Kit

##### Includes:

**KDT2467D** 4-Lug 4-Wheel Drive Spindle Nut Socket 1/2–3/4 ton Dana® 44

**KDT2770D** 6-Lug 4-Wheel Drive Spindle Nut Socket 3/4–1 ton Dana® 44

**KDT3937** 4-Lug 4-Wheel Drive Spindle Nut Socket 1/2 ton Dana® 50



KDT41660

### 39 mm 12-point Axle Nut Socket for Toyota® Vehicles

- Removes and installs axle nuts on 4WD axle hubs on Toyota®/Lexus® SUV models
- Durable, impact-grade heat-treated alloy steel
- Extra deep to fit over various axle lengths
- Works where standard sockets will not
- Use with 1/2" drive

#### Applicable:

2008–2010 Toyota® Land Cruiser®, 2008–2010 Toyota® Sequoia®, 2007–2010 Toyota® Tundra®, 2008 Lexus® LX570® vehicles

#### LIL39650



LIL39650

### Axle Shaft Seal Installer for Ford® Vehicles

- Correctly installs the seal onto the axle shaft and into the wheel knuckle, preventing front hub vacuum leaks that would cause the 4WD to not engage

#### Applicable:

1998–2004 Ford® F-250®, F-350®, F-450® and F-550® 4x4 vehicle having the vacuum-operated front axle

#### OTC6695



OTC6695

### Axle Shaft Seal Installer for Ford® Vehicles

- Correctly installs the seal onto the axle shaft and into the wheel knuckle, preventing front hub vacuum leaks that would cause the 4WD to not engage

#### Applicable:

2005–newer Ford® F-250®, F-350®, 4x4 vehicles having the vacuum-operated front axle

#### OTC6697



OTC6697



OTC6698



STK71410



STK71415

### Axle Shaft Seal Installer for Ford® Vehicles

- Correctly installs the seal onto the axle shaft and into the wheel knuckle, preventing front hub vacuum leaks that would cause the 4WD to not engage

#### Applicable:

2005–newer Ford® F-450®, F-550®, 4x4 vehicles having the vacuum-operated front axle

#### OTC6698

### Axle Popper

- Breaks loose half shafts from transaxle on front-wheel drive vehicles
- Insert fork between transaxle case and half shaft; strike the end of the fork to release the half shaft
- Shim included in kit to fill larger gap found on some vehicles
- Applies even pressure to both sides of shaft
- Safer and surer than a pry bar

**Kit Includes:** STK71410, STK71411 and STK71412

#### STK71410

### Axle Popper II

- Air tool version of Axle Popper (STK71410)
- Tapered on both ends of the wedge; 6" shaft fits into air hammer
- Half shafts are sometimes difficult to break loose with a pry bar; the wedge forked end applies even pressure to both sides of the shaft for sure release of the shaft
- Valuable tool for transmission shops, garages, tire shops and body shops

#### STK71415

## Ball Joint Tools



LIL18530

### Ball Joint Separator, Stepped

- Stepped design helps keep tool from bouncing back
- Used to replace worn out ball joints and to remove CV drive shafts on front-wheel drive vehicles
- Tine opening is 15/16"
- Drop-forged and heat-treated for long use
- Steps can be sharpened
- Handle length: 10-1/2"

#### LIL18530



OTC313444

### Ball Joint Remover Adaptor

#### OTC313444



OTC314425

### Receiving Cup for Honda® Vehicles

- Receiving cup for Honda® ball joint service
- Works with various OTC® ball joint kits

#### OTC314425

# Driveline/Steering/Suspension/Transmission Tools



## Ball Joint Tools

### Ball Joint Super Set

- Allows for the removal and installation of press-fit ball joints on many GM® and Ford® light-duty trucks, vans, and SUVs through 2003; Dodge® light trucks through 1998; Dodge® vans, Durango®, and Dakota® through 2003; and Honda® Accord®, Civic®, del Sol®, and Prelude® vehicles through 2001

#### OTC6530 Set

#### OTC222395 Screw Complete

#### OTC38354 Receiving Cup



OTC6530



OTC6730

### C-Frame Update Kit

- Kit contains two adaptors which, when coupled with the large C-frame included in OTC8031 SUV ball joint kit, make it possible to use most adaptors with a smaller C-frame

OTC6730

### 8 pc Van Front End Kit for Dodge® Sprinter® Vehicles

- Service lower ball joints on 2004–2007 Dodge® Sprinter® vans: tie rod remover/separators; wheel alignment studs; ball joint remover; driver, receiver and installing rings
- Use this kit with OTC6736 C-frame

#### OTC6735



OTC6735

### Large C-Frame for Dodge® Sprinter® Vehicles

- Required for use with OTC6735 van ball joint kit for Sprinter® vehicles
- When used with OTC6730 update kit, you can expand the applications of OTC7249, OTC7918 and OTC6530 ball joint kits
- Large C-frame wt., 10 lb, 4 oz

#### OTC6736



OTC6736

### Ball Joint Service Kit

- All-in-one set includes tools for complete ball joint, U-joint, and heavy-duty truck brake anchor pin service jobs
- Easily removes and installs press-fit upper and lower ball joints

#### OTC7249 Kit

#### OTC29501 Plug

#### OTC29503 3" Receiver Tube

#### OTC29504 2-1/2" Receiver Tube

#### OTC29505 2" Receiver Tube

#### OTC305227 Installation Adaptor

#### OTC306284 Puller Adaptor



OTC7249

### 4-Wheel Drive Ball Joint Service Kit

- Increases the capability of your OTC7249 ball joint service set to let you remove and install upper and lower ball joints on Dana® 44 front axles

#### Applicable:

1/2 and 3/4 ton 4-wheel drive Ford®, GM®, Dodge®, IHC® and Jeep® vehicles

#### OTC7704



OTC7704

### Ball Joint Remover for Ford® Vehicles

- Use with OTC7249 ball joint service tool set
- Lets you quickly remove the lower ball joint on 1992 and newer 3/4 ton and 1 ton full-size vans (E-250® and E-350®)

#### OTC7825



OTC7825

### Master Ball Joint Adaptor Set

- Expands the service capability of your OTC7249 ball joint service tool set
- Application chart included
- Works on press-fit upper and lower ball joints
- Includes all the receiver tubes and removing/installing adaptors

#### Applicable:

GM®, Ford®, Dodge®, 2WD, and 4WD pickup trucks vans and sport utility vehicles through 1997

#### OTC7918



OTC7918



OTC7996

### Lower Ball Joint Service Set for Honda® Vehicles

- Used with OTC7249 set to remove/install both sizes of ball joints on 1983–1997 Honda® Accord®, Civic®, del Sol® and Prelude® vehicles

#### OTC7996

### Truck Ball Joint Set for Jeep® and Dodge® Vehicles

- Complete set of adaptors (19) and special large C-frame to remove and install ball joints on most Chrysler/Dodge® light-duty trucks, 1999–2006 and Jeep® Cherokee®, Grand Cherokee®, Wrangler®, and Liberty® vehicles 1997–2006
- Specially designed and produced OTC large C-frame allows for the repair of the most recent vehicles
- Large C-frame, 19 adaptors and replaceable forcing screw tip to allow the use of the adaptors in the OTC6530 kit to be used for other applications
- Set comes in a blow-molded case and includes an application chart and instructions

#### OTC8031



OTC8031

# Driveline/Steering/Suspension/Transmission Tools

## Bell Housing Tool

**KENT-MOORE**

### Bell Housing Bolt Torx® Bit

- Used to remove and install the Torx® Plus bolts on the bell housing
- Designed to fit the new T-50 plus fastener
- Use of a standard Torx® bit will not only damage the fastener but creates the need to drill out the head

#### Applicable:

4L60-E and 4L65-E transmissions

**KTMJ41510**



**KTMJ41510**

## Boot Tools



### Offset Boot Clamp Pliers

- Crimps ear-type clamps in hard-to-reach areas
- Special boot clamp crimping pliers that are designed to work in confined spaces
- Pliers work from the side (head is turned 90°) unlike traditional tools that work from the end
- Unique offset design allows the technician to work on clamps on larger size boots
- Top plate on the pliers flattens the crimp
- Pliers work on most ear-type clamps except those requiring a torque reading



**LIL30600**

**LIL30600**

## Bushing Tools

### 10 pc Line Disconnect Set

- Anodized aluminum construction
- Includes tool for Subaru® fuel lines
- Includes tool for Duramax® diesel injectors

**AST1018**



**AST1018**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTOOLS.COM

### Track Anchor Pin Bushing Remover

- Pneumatic bushing driver set removes and installs truck and trailer 1-3/8" anchor pin bushings and stuck anchor pins
- Includes a 7-3/4" extension that allows bushings to be driven straight without removing the hub assembly

**LIL29090**

**LIL29070** Remover/Installer Cone

**LIL29080** Pneumatic Drive Assembly

**LIL41470** Replacement Extension



**LIL29090**



### Manual Bushing Removal and Installation Kit

- Manual Bushing R&R tool allows the technician to service a wide range of bushings without removing components from the vehicle. Due to the awkward dimensions of many suspension components using a conventional press to remove and replace bushings can be time-consuming and frustrating. This complete system can be used to service the vehicle anywhere in the shop.
- Budget minded alternative to hydraulic systems
- Allows quick R&R of suspension bushings
- Comes with 22 cups and receivers for 100s of size combinations (Range O.D. 44 mm/I.D. 34 mm to O.D. 90 mm/I.D. 80 mm)
- Hose acme thread spindles, 10 mm, 12 mm, 14 mm and 16 mm featuring ball bearing thrust washers to insure smooth operation

Kit Includes:

**SEY11100** Kit

Includes:

**SEY11100-01A** Pad with 3 Holes

**SEY11100-02** Acme Spindle M10 x P1.5

**SEY11100-03** Acme Spindle M12 x P1.75

**SEY11100-04** Acme Spindle M14 x P2.0

**SEY11100-05** Acme Spindle M16 x P2.0

**SEY11100-06** Press Adaptor

**SEY11100-34** Sleeve 95 mm D44 x D34 Gold

**SEY11100-36** Sleeve 95 mm D46 x D36 Gold

**SEY11100-38** Sleeve 95 mm D48 x D38 Gold

**SEY11100-40** Sleeve 95 mm D50 x D40 Silver

**SEY11100-42** Sleeve 95 mm D52 x D42 Silver

**SEY11100-44** Sleeve 95 mm D54 x D44 Gold

**SEY11100-46** Sleeve 95 mm D56 x D46 Gold

**SEY11100-48** Sleeve 95 mm D58 x D48 Gold

**SEY11100-50** Sleeve 95 mm D60 x D50 Silver

**SEY11100-52** Sleeve 95 mm D62 x D52 Silver

**SEY11100-54** Sleeve 95 mm D64 x D54 Silver

**SEY11100-56** Sleeve 95 mm D66 x D56 Gold

**SEY11100-58** Sleeve 95 mm D68 x D58 Gold

**SEY11100-60** Sleeve 95 mm D70 x D60 Gold

**SEY11100-62** Sleeve 95 mm D72 x D62 Silver

**SEY11100-64** Sleeve 95 mm D74 x D64 Silver

**SEY11100-66** Sleeve 95 mm D76 x D66 Silver



SCHLEY PRODUCTS INC.



**SEY11100**

**SEY11100-68** Sleeve 95 mm D78 x D68 Gold

**SEY11100-70** Sleeve 95 mm D80 x D80 Gold

**SEY11100-72** Sleeve 95 mm D82 x D72 Gold

**SEY11100-75** Sleeve 95 mm D85 x D75 Gold

**SEY11100-80** Sleeve 95 mm D90 x D80 Gold

### Bushing Tool for Honda® Vehicles

- Saves over 1 hour (30 minutes per side)
- No press required
- Both removes and installs
- Works on both 65 and 74 mm bushings
- Works on many applications – seven million vehicles
- Made from strong heat-treated materials

#### Applicable:

65 mm Bushings for: Honda® Civic® 2001–2005, CRV® 2002–2006, Element® 2003–2006, Pilot® 2003–later, Odyssey® 2005–later, Ridgeline® 2006–later. Acura® MDX® 2000–2006; 74 mm Bushings for: Honda® Accord® 2003–2007; Acura® TL 2000–2007 vehicles

**SEY68100**



SCHLEY PRODUCTS INC.



**SEY68100**

## Clutch Tools



### Clutch Coupling Tool for Ford® Vehicles

- Disconnects the hydraulic clutch line from the clutch slave cylinder on the following vehicles with manual transmissions and hydraulic clutches: 1988–newer F-Series® trucks, Bronco® II, Ranger®, Explorer® and 1989–1997 Ford® Thunderbird® vehicles and Mercury® Cougar® vehicles
- Wedge-shaped design allows easy removal of clutch line without damaging clutch line, coupling, or slave cylinder; no need to pry the coupler apart



**OTC7646A**

**OTC7646A**



# Driveline/Steering/Suspension/Transmission Tools

## CV Boot/Joint Tools



ASTCVB15

### CV Boot Clamp Crimping Tool for BMW® Vehicles

- Used to crimp on clamps for CV boots on all BMW® and Toyota® models with crimp style CV boots

ASTCVB15

### CV Joint Tool for Ford® Vehicles

- Needed for CV work on many Ford® vehicles
- Used with a slide hammer, it will remove an axle assembly from the transaxle without causing damage to expensive aluminum transmission cases or other components

**OTC7509** Complete CV Joint Tool

**OTC7508** 17-1/2" Long Slide Hammer Extension

**OTC7507** CV Joint Fork Only (Use with OTC Slide Hammer, Extension OTC7508, or Both)



OTC7509

## Halfshaft Remover/ Differential Rotator



### Halfshaft Remover/Differential Rotator for Ford® Vehicles

- Essential when removing the left-hand halfshaft from Escort®/Lynx® vehicle transaxles
- Ensures correct removal and allows the technician to turn the differential

OTC7140



OTC7140

## Hub Nut Socket



### Front Hub Nut Socket for Toyota® Vehicles

- Use for repair and replacement of the front hub lock nut on Toyota® trucks (2WD) 2007–newer
- Comparable to Toyota® tool numbers 09318-12010-8Pin and 09602-60010
- Made in USA

**Applicable:**

Toyota® Sequoia® and Tundra® [2007–2014]

ASTT0Y288



ASTT0Y288

## Hub Tools

### Hub Shocker

- Use with a 5 lb hammer to safely remove all frozen hubs instantly without damaging axle
- Universal fit mounts to two studs on all axle bolted hubs – 5, 6 and 8 lug hubs using supplied flanged nuts
- Flanged nuts included for improved safety and performance
- Two mounting holes in 3/4" steel back plate
- 1/4" steel square tubing and striking plate
- Safely remove all frozen hubs without damaging axle

**Applicable:**

Ideal for Dodge® and other HD trucks

**KCT830A** Universal Hub Shocker Wheel Bearing Hub Removal Tool



KCT830A

### Hub Removal Kit for Dodge® Vehicles

- Separates the frozen hub assembly from the steering knuckle on Dodge® vehicles
- Drives against loosened retaining bolts to separate assembly
- Prevents damage to the knuckle and complete hub assembly
- Drives on the bolt flange, so the head of the retaining bolt is not destroyed

**Kit Includes:** LIL39300 for older, smaller applications and LIL39250 for 2003–newer 4WD 3/4 ton and 1 ton Dodge® pickup trucks

LIL38210



LIL38210

### Hub Removal Tool for Newer Larger Dodge® Vehicles

- Separates the frozen hub assembly from the steering knuckle on Dodge® vehicles

**Applicable:**

2003–newer 4WD 3/4 ton and 1 ton Dodge® pickup trucks

LIL39250



LIL39250

### Front Hub and Knuckle Separator

- Separates the frozen hub assembly from the steering knuckle on Dodge® and GM® pickup trucks, Cadillac®, Jeep® vehicles and other applications
- Drives against loosened retaining bolts to separate assembly
- Prevents damage to the knuckle and complete hub assembly
- Drives on the bolt flange, so the head of the retaining bolt is not destroyed
- Made of strong steel for durability

LIL39300



LIL39300

# Driveline/Steering/Suspension/Transmission Tools

## Hub Tools

### Truck Hub Seal Installer Kit

- Fits the most popular sizes for class 7 and class 8 over-the-road trucks and trailers and some medium duty trucks
- The driver is designed to hold the seals to make installation easier
- Includes (5) drivers and handle extension for extra reach for driving seals on hubs with deep brake drums without removing the drums
- Drivers Include: 4-13/16, 5-11/16, 5-31/32, 6, 6-5/16"



LIL61850

LIL61850

### HubTamer Elite Bearing Service Set

- From start to finish, complete front wheel bearing service using just one set of tools. Take off the hub, remove the old bearing and install the new one, and then reinstall the hub. All this is done while the knuckle assembly remains on the car; no shop press or unnecessary alignments are needed.
- Cuts service time 50% when replacing front wheel bearings
- Pushes on the steering knuckle, not the rotor
- Fits easily behind the rotor, leaving plenty of room for positioning the tool and wrench.
- One-piece design has no sliding arms to adjust and is impact wrench compatible
- Puller weldment adaptor has been improved with the addition of a beveled edge for use in tight fitting applications
- Includes all adaptors and tools necessary for removing hubs and replacing front wheel bearings on most domestic and import vehicles with floating or trapped rotors
- Works on virtually all floating and trapped rotors found on domestic and import vehicles

OTC311881 Forcing Screw Nut

OTC311883 Small tube

OTC311884 2 Step Adaptor

OTC311885 Bearing Installer

OTC311886 Bearing Installer

OTC311887 Bearing Remover

OTC311888 Wheel Hub Installer

OTC314288 Forcing Screw

OTC314299 Tube 3.62 OD x 3.25 ID

OTC314300 Tube 4.00 OD x 3.75 ID

OTC314301 Adaptor

OTC314302 Bearing Installer

OTC314304 Bearing Installer

OTC314305 Bearing Installer

OTC314306 Bearing Installer

OTC314307 Bearing Installer

OTC314308 Bearing Installer



OTC509421

OTC314309 Bearing Installer

OTC314310 Bearing Installer

OTC314311 BRG Installer (3.29 O.D. x 1.67 I.D.)

OTC502623 Sleeve

OTC503004 Forward Hub Puller

OTC503052 Forcing Screw

OTC503633 Short Adaptor

OTC503896 Race puller adapt.

OTC509421 Ford® Hub Tamer Adaptor, Ford® Taurus®/Sable® and Contour®/Mystique

### Vacuum Front Hub Release Tool Set for Ford® Vehicles

- For wheel-bearing sensor, CV joint and ball joint service, the only way to remove Ford's® new plastic vacuum hub without breaking it is with this tool set
- Removal clips slip into the slots on the hub to release the connection, and the puller contains the clips and hub for removal



OTC7932

#### Applicable:

1998–newer 4x4s with vacuum front hubs: Ranger® F-250® and F-350® trucks

OTC7932

### The Original Hub Master

- Exclusive self-centering design which tracks arrow-straight under load
- Easy R&R of rear-wheel drive European vehicles
- Wide application range of front-wheel drive vehicles
- Available as vehicle specific sub-kits (non-master kit)
- Complete and very easy-to-follow instruction
- Fully open-ended, upgradeable to the ever-changing vehicle market
- Applicable to wheel bearing/hub assemblies where power is being directly applied to that wheel from the engine
- Vehicles that require hub master are equipped with an independent suspension and a singular solid bearing at that wheel

**SIRHMB90** Mercedes®, Porsche® and BMW® Vehicles with Rear-Wheel Drive; VW®/Audi®, Asian, Some Domestic Vehicles with Front-Wheel Drive

**SIRHMB90-BMW** Most BMW® Series 3, 5, 6, 7, 8 Vehicles from the Late 1970s–Present

**SIRHMB90-M** Mercedes® Chassis W124, W129, W201, W202

**SIRHMB90-P** Most Porsche® Models 911, 912, 914, 924, 928, 944, 968 and Boxster® Model Vehicles

**SIRHMB90-RWE** Rear-Wheel Drive European Vehicles Listed Under SIRHMB90-M, SIRHMB90-BMW and SIRHMB90-P

**SIRHMB90-VA** Most VW®/Audi® Liquid Models from the Late 1970s–Present

**SIRPCB90** Fitted Blow Molded Case

**SIRB90-10** Adaptor Ring Medium

**SIRB90-11** Adaptor Ring Large

### 4 pc Big Bearing Kit

- Exclusively designed for R&R of big wheel bearings (89–99 mm O.D.)
- For previous generation Hub Master which was equipped with a blue blow-mold case

#### Applicable:

Mercedes® ML class, newer BMW® 7 series, Honda® Odyssey® vehicles and the list is growing

**SIRB90-15** B90 Upgrade 89–99 mm Bearings

**SIRB90-15A** Base for 89–99 mm Bearings

**SIRB90-15B** Spacer Sleeve for 89–99 mm Bearings

**SIRB90-15C** Adaptor Ring 89–99 mm Bearings

**SIRB90-15D** Puck for 89–99 mm Bearings



SIRB90-15

**SIRB90-12** Pusher Washer

**SIRB90-13** Pusher Washer

**SIRB90-14** Pusher Washer

**SIRB90-1A** Thrust Bearing

**SIRB90-2** Elongated Nut

**SIRB90-3** Hub Bracket

**SIRB90-3H** Horseshoe Adaptor Small

**SIRB90-3J** Horseshoe Adaptor Large

**SIRB90-3VA** Horseshoe Adaptor Medium

**SIRB90-4** Spacer Sleeve

**SIRB90-5** Spacer Sleeve

**SIRB90-6** Pusher Washer

**SIRB90-7** Pusher Washer

**SIRB90-7H** Pusher Washer

**SIRB90-8** Pusher Washer

**SIRB90-8A** Pusher Washer

**SIRB90-9** Adaptor Ring Small



SIRHMB90

# Driveline/Steering/Suspension/Transmission Tools

## Pickle Forks

### Tie Rod Separator, Stepped

- Stepped design helps keep tool from bouncing back
- Used to replace worn out tie rods and to separate shock absorber link
- Tine opening is 11/16"
- Drop forged and heat-treated for long use
- Steps can be sharpened
- Handle length: 10-1/2"

LIL18520



LIL18520



LIL41440

### Step Pickle Fork Set – 5 pc

- Step design helps keep tool from bouncing back when separating ball joints, steering dampeners, tie rods, Pitman arms and other applications
- Forks are threaded to interchange with either the handle for hammering or the pneumatic driver
- Forks are heavy-duty, heat-treated forgings; handles are heat-treated alloy steel
- Forks may be sharpened, if needed

LIL41440 Kit

#### Includes:

11/16" Stepped Fork  
15/16" Stepped Fork  
1- 1/8" Stepped Fork  
1-7/16" Stepped Fork  
1-5/8" Stepped Fork  
Handle  
Pneumatic Driver

LIL41370 1-5/8" Stepped Fork  
LIL41380 1-7/16" Stepped Fork  
LIL41390



LIL41400

## Pickle Fork Kits

### Heavy Duty Pickle Fork Kit

- 20% thicker fork design provides extra lift when replacing worn out ball joints, Pitman arms, pickup track bars and other applications
- Set includes five forks
- Forks are threaded to interchange with either the handle for hammering or the pneumatic driver
- 6-1/4" extension that works with either handle to provide extra reach

LIL41220 Kit

#### Includes:

LIL41160 11/16" Heavy-Duty Pickle Fork  
LIL41170 15/16" Heavy-Duty Pickle Fork  
LIL41180 15/16" Heavy-Duty Pickle Fork  
LIL41190 1-7/16" Heavy-Duty Pickle Fork  
LIL41200 1-5/8" Heavy-Duty Pickle Fork  
LIL41210 Case for LIL41220  
LIL41470 Replacement Extension



LIL41220



OTC6299



### Stepped Pickle Fork Kit

- Step design helps keep tool from bouncing back when separating ball joints, steering dampeners, tie rods, Pitman arms and other applications
- 6-in-1; three forks and two handles
- Forks are threaded to interchange with either handle
- One handle for hammering, one for use with an air hammer (401 shank)
- Forks are heavy-duty heat-treated, alloy steel forgings
- Steps can be resharpened if needed

LIL41400 Kit

#### Includes:

LIL41410 1-1/8" Stepped Fork  
LIL41420 11/16" Stepped Fork  
LIL41430 15/16" Stepped Fork  
LIL41510 Handle  
LIL41520 Pneumatic Driver

### 5 pc Separator Set

- Features five popular "pickle forks" in a blow-molded case
- Used to remove shock linkage, tie rods, and ball joints, also for general service on many cars and light trucks
- Fork spread sizes: 11 x 1-1/8", 11-3/4 x 1-5/8", 11-5/8 x 1-7/16", 16 x 11/16", 16 x 15/16"

OTC6299

## Pinion Bearing Drivers

### Pinion Bearing Race Driver Set

- Set includes eight drivers for driving inner and outer pinion bearing races on 1/2 and 3/4 ton Ford®, Dodge® and GM® pickup trucks
- Use the extended, 2 pc handle for driving rear pinion bearing races
- Pneumatic handle is also included for use with an air hammer

LIL59400

LIL12830 Washer  
LIL12890 Bolt



LIL59400

### Heavy Duty Bearing Race and Seal Driver Set

- Fits most Class 8 over-the-road trucks and trailers and some medium duty trucks
- Use the tapered driver side for bearing races and the flat side for seals
- Includes six drivers and handle extension for driving bearing races and seals on hubs with deep brake drums without removing the drums
- Driver sizes: 3-43/64, 4-7/8, 4-13/16, 5-1/2, 5-25/32 and 6"

LIL61900 Set

#### Includes:

LIL61910 4-7/8" Bearing Driver  
LIL61920 4-13/16" Bearing Driver  
LIL61940 5-25/32" Bearing Driver  
LIL61950 6" Bearing Driver  
LIL61960 3-43/64" Bearing Driver  
LIL61970 Replacement Case for 61900



LIL61900

# Driveline/Steering/Suspension/Transmission Tools

## Pitman Arm Pullers

### Front End Service Kit

- Allows for easy removal of the most popular types of Pitman arms, tie rods and ball joints

**KDT41690**



### Pitman Arm Puller

- New patented design saves time, increases productivity
- Labor intensive removal of steering sector is now unnecessary
- Compact design of puller allows easy access to the Pitman arm
- Live center on forcing screw and easy use of a standard wrench results in less effort required
- Works on most domestic SUVs and pickup trucks
- Forged steel for durability and long life
- Pays for itself on its first job

#### Applicable:

1998–2002 Lincoln® Navigator® vehicles 1997–2002 Ford® F150® and Expedition® vehicles 1991–2001 Oldsmobile® Bravada® vehicles 1991–2001 S10/S15 GM® trucks and Blazers® 1988–2002 Suburban® vehicles 1988–2002 GM® and Chevrolet® 1/2, 3/4 and 1 ton pickup trucks 1992–2002 Chevrolet® Tahoe® and GMC® Yukon® vehicles

**OTC6496**



### Pitman Arm Puller

- 1" spread jaws enable the tool to remove Pitman arms on various small, domestic rear-wheel drive vehicles
- Can also be used as a tie rod puller for many domestic and import vehicles

**OTC6296**



### Pitman Arm Puller

- Adjustable with special replaceable forged jaws
- Two clamp bolts lock jaws on Pitman arm
- Can perform other pulling jobs
- Services medium and heavy-duty trucks

**OTC7310A**

**OTC208910** Replacement Jaw



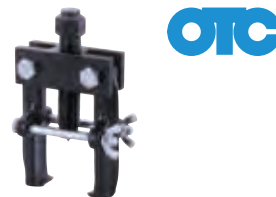
**OTC7310A**

### Pitman Arm Puller

- Forged jaws shaped to fit the job give positive grip
- Mechanical power does the pulling
- Passenger car and light truck applications

**OTC7311A** Spread 2-1/8"

**OTC7314A** Spread 1-5/16"



**OTC7311A**

## Power Steering

### Power Steering Fluid X-Changer

- Replaces up to 95% of the old power steering fluid in less than 8 minutes
- New and waste fluid reservoirs
- Clear hoses for visual confirmation of new and waste fluid movement
- New and waste fluid on/off switches
- Battery cables hook up directly to vehicle's battery
- Dual pumps and service hoses drain and refill power steering system through the system's reservoir
- Fully portable—can perform service anywhere
- Dimensions: 23" L x 10-3/4" H x 11" D
- Weight: 10 lb
- New Fluid Reservoir: 2 quarts
- Waste Fluid Reservoir: 2 quarts
- Power: 12 V DC from vehicle

**ADKPSX2000**



### Power Steering Pump Pulley Service Kit

- Complete set of tools required to remove and install power steering pump pulleys of most domestic vehicles
- Fits pulley hubs with diameters of 1-1/8, 1-1/4, 1-5/16 and 1-3/8"
- Includes the necessary adaptors for servicing: GM® vehicles 3.1 L, 3100, 3400 and 3800 V6 engines, GM® vehicle 2.3 L Quad four 4-cylinder engines and Ford® vehicles 4.6 L, 5.4 L and 5.8 L modular V8 engines
- Housed in a blow-molded storage case to protect and organize components

**OTC4530** Kit

**OTC10266PK5** O-ring

**OTC10378PK5** .375" Steel Ball

**OTC208703** Sleeve

**OTC217946PK5** HD Hex Cap Screw

**OTC27445** Forcing Screw

**OTC304107** Nut

**OTC304108** Half Collet

**OTC310901** Long Nose Collet

**OTC312346** Special Nut

**OTC312347** Forcing Screw



**OTC4530**

### Power Steering Pump Pulley Replacer

- Prevents damage to internal components
- Ideal companion tool to OTC7185

**OTC7005**



**OTC7005**

### Power Steering/Alternator Pulley Remover

- Pulls vacuum pump and some press-on water pump pulleys
- Works on pulleys with hub diameters of 1-1/8, 1-1/4, 1-5/16 and 1-3/8"

**OTC7185**



**OTC7185**

### Power Steering Bleeder Adaptor

- Used with vacuum pump to remove air from a power steering system
- Includes a stopper, tubing and fluid receptacle

**OTCJ-43485**



**OTCJ-43485**



# Driveline/Steering/Suspension/Transmission Tools

## Power Steering

**LANC**  
TOOLS



### Power Steering Tester

- Takes the guesswork out of power steering analysis quickly and accurately, by detecting defective power steering pumps and gears, plus kinked or clogged lines
- Includes adaptors to test domestic cars and light trucks, and some imports
- 2-1/4" gauge has a dual scale dial with ranges from 0–2,000 PSI and 0–140 bar
- CA residents see page 365 for Proposition 65 warning. ⚠

**SPDTU22APB**

## Shift Linkage Tools

**CT**  
CASEY TOOL & L.L.C.



**KCT2650A**

### Transmission Popper

- Shift transmissions into neutral from under hood with no key
- Use pry bar fork end to separate transmission shift cable from transmission selector gear
- Slide hole on end of pry bar over shift cable retaining pin on transmission selector gear to move selector gear into neutral position
- Great for moving or towing vehicles with no key
- 24" long with angled tip for easy operation
- Use fork end of tool to pop out body panel grommets
- Two tools in one

**KCT2650A**

## Shock Absorber Tool

### Spreader for VW® Vehicles

- Used to aid removal of the front shock absorber tube from the wheel-bearing housing
- Made in USA

### Applicable:

1999–newer VW® Golf® and Jetta® vehicles

**AST3424**



**AST3424**

**AST**

**ASSENMACHER**  
SPECIALTY TOOLS  
ASTTool.com

### Shock Absorber Tool for Ford® Vehicles

- For removing and installing 8 mm shock nuts on 2005 Ford® 500, Freestyle® and Mercury® Montego® vehicles
- Use with 1" wrench and 5/8" wrench or socket

**LIL20470**



**LIL20470**

## Spring Compressors/Strut Tools

### Branick® Model BRN7600 Strut Spring Compressor

- Handles the heaviest car, light truck and SUV struts
- Provides up to 3,000 lb of compression to handle even tough applications like the RAV4®, F-150® and GM® pickups/SUVs
- Does not require additional adaptors
- Multi-position hooks adjust to fit difficult coils
- Heavy duty acme thread and long handles for easier compression
- Standard wall mount or optional bench mount or mobile cart to fit your shop

**BRN7600** Strut Spring Compressor

**BRN761** Bench Mounting Kit

**BRN764** Mobile Cart and Stand

**Branick®**  
Since 1917



**BRN7600**

**SP TOOLS**  
SCHLEY PRODUCTS INC.



**SEY65150**

### Rear Chamber and Toe Adjustment Wrench for GM® and Saturn® Vehicles

- Accurately sets camber and toe adjustment utilizing a 12-point box end offset wrench
- Designed with a long reach arm for attachment to adjustment points giving the technician easy capability of adjustment to both camber and toe
- Long arm is also long enough to ensure enough torque can be applied to the eccentric nuts for ease of fine adjustments
- Works on both 2-wheel drive and 4-wheel drive SUVs

### Applicable:

Saturn® VUE® vehicles 2003–later, Chevrolet® Equinox® vehicles 2005–later

**SEY65150**

**SIR TOOLS**

### Portable Strut Master

- Self-contained compressor with fully adjustable jaws
- Portable for convenient "On or Off-the-Car" use
- Wide coil spring and strut application range
- Designed for use with impact gun
- Exclusive safety latch mechanism
- Sturdy structure is as solid as work station models
- Easily stores in a custom form fit blow-mold case



**SIRST9050**

### Specifications:

Minimum Coil Size O.D.: 4" Maximum Coil Size O.D.: 10.25" Maximum Coil Thickness: 3/4" Vertical Stroke: 11.75" Maximum Bolt Stress Load: 10,842 ft-lb Maximum Compressor Stress Load: 12,786 ft-lb Total Tool Weight: 20 lb

**SIRST9050**

**SIRST9050BV** Optional Bench Mount

## Suspension

**OTC**

### Installing Tube

- Use on either side of the C-frame
- Outside diameter: 2"
- Inside diameter: 1-13/16"
- Length: 3"

### Applicable:

1967–current 4-wheel drive vehicles with Dana® 44 axles

**OTC38355A**



**OTC38355A**

## Tie Rod Tools

### Tie Rod End Tool

- Turns smooth tie rods easily
- Simply slide tool over the end and tighten collar to allow access with an extension
- Can remove inner tie set rod without removing the outer tie rod
- No more bulky tool to store
- Inexpensive and effective way to turn smooth tie rod ends
- CA residents see page 365 for Proposition 65 warning. ⚠

**HRR946**



**HRR946**

**Cal-Years**  
TOOLS

# Driveline/Steering/Suspension/Transmission Tools

## Tie Rod Tools



LIL28890

### Anchor Pin Bushing Remover

- Pneumatic bushing driver set removes and installs truck and trailer anchor pin bushings and stuck anchor pins
- Drive the bushing out with the small cone
- Use the larger cone to install bushing to the proper depth
- Also removes truck leaf spring bushings

LIL28890

LIL28910 Remover Cone

LIL28900 Driver

LIL28920 Installer Cone

### Large Inner Tie Rod Tool

- Works on inner tie rods with inaccessible wrench flats on many trucks and SUVs
- Long socket slips over tie rod end and crowfoot engages on socket for easy removal and installation
- Tube is painted grey to distinguish it from the standard inner tie rod tool
- Tool comes with five crowfeet, sizes 1-7/16", 33.6 mm, 38.4 mm, 40 mm crowfoot for GM®, and 42 mm, to fit many Toyota®, Nissan®, Ford®, Lincoln®, Mercury® and Chevrolet® truck and SUV applications. Also fits some Cadillac® Escalade®, Hummer® H2, Honda® Passport® and Jeep® Liberty® applications

### LIL54500 Set

#### Includes:

LIL54510 Socket

LIL54550 Retainer

LIL54560 33.6 mm Crowfoot

LIL54570 1-7/16" Crowfoot

LIL54580 38.4 mm Crowfoot

LIL54490 40 mm Crowfoot

LIL54590 42 mm Crowfoot



LIL54500



MHW29910

### Universal Inner Tie Rod Tool

- Used to remove and mount inner tie rods on vehicles
- Fits 35–45 mm tie rods with no additional interchangeable adaptors
- For use on round, hexagonal and octagonal tie rods
- Extended shaft and narrow profile allows for use in hard-to-reach and confined spaces

MHW29910

MHW29915 Repair Kit



OTC6084

### Tie Rod Adjusting Tool

- Adjusts Pitman arms on heavy-duty 3/4 and 1 ton trucks with 1-7/16" diameter adjusting sleeves

OTC6084



OTC7023

### Tie Rod Adjusting Tool

- 360° sleeve rotation
- 4-position feature for proper tool location
- Universal – works on most car models

OTC7023



OTC7315A

### Tie Rod End Remover

Hub Tamer Elite Bearing Service Set, Front Hub Installer

OTC7315A



OTC7503

### Tie Rod Remover

- Works on import or domestic vehicles with front-wheel drive or rear-wheel drive
- Works on cast or stamped steel steering knuckles
- Specially designed to prevent puller jaws from slipping
- Up to 5 tons of force can be applied

OTC7503

OTC310484 Forcing Screw Tip



STK71465

### Tie Rod Pliers

- Tough alloy steel C-clamp locking pliers provide a quick temporary steering repair for vehicles with outer tie rod end ball and socket separation failure
- Tow truck drivers can properly center the loading of the vehicle eliminating the frustration and time currently required to stop load process to re-direct the damaged wheel as well as unloading vehicles from roll back wreckers to lot storage
- Drive vehicles from lot storage to repair bay
- Unique design with a socket end and a pointed spindle end allow easy wheel pivoting for vehicle steering by temporarily reconnecting the ball and socket tie rod ends

STK71465



STK71470

### Tie Rod Coupler

- Tough alloy steel coupler with dual I-bolt set screws provide a quick temporary steering repair for vehicles with a broken tie rod
- Tow truck drivers can properly center the loading of the vehicle, eliminating the frustration and time currently required to stop load process to re-direct the damaged wheel to properly secure the vehicle as well as unloading vehicles from roll back wreckers to lot storage
- Lot drivers can drive the damaged vehicle to the frame bench or repair stall for the collision repair
- Tie rod coupler I-bolt set screws secures the coupler to the broken tie rod by hand tightening and/or locking down the set screws by using a small leverage bar

STK71470

# Driveline/Steering/Suspension/Transmission Tools

## Tie Rod/Toe Adjusting Tools

### Tie Rod Adjusting Tool

- Adjusts tie rods on heavy-duty Ford® 3/4 ton and 1 ton trucks with 1-13/16" diameter adjusting sleeves

OTC6274



### Rear Toe Adjustment Wrench for Taurus®/Sable® Station Wagons

- Toe alignment from outside the cramped suspension, wheel and tire area on 1986–1995 station wagons

SEY90650



## Torsion Bar Unloaders

**KENT-MOORE**



KTMJ36202A

### Torsion Bar Unloader

- Whenever the front suspension or torsion bars require service, the torsion bars must be unloaded to prevent unexpected suspension movement
- Mounts onto crossmember and locates into the pocket on the adjusting arm

#### Applicable:

1/2 ton light-duty trucks

KTMJ36202A

**KENT-MOORE**



KTMJ42393

### Heavy Duty Torsion Bar Unloader

#### Torsion Bar Unloader

- Designed to open wider to accommodate the reinforced support

#### Applicable:

1995 K35 truck with heavy duty chassis and 1 ton, 3/4 ton trucks and up

KTMJ42393



OTCCH-48809

### Torsion Bar Unloader Tool

- Safely releases the tension on the front suspension torsion bar in order to service the front suspension components
- Used on 2011 GMT900 HD Silverado®/Sierra®

OTCCH-48809

## Transmission Tools

### 9 pc Drive Line Filler Set

- Used for filling fluids in transmission, differentials and transfer cases; not suitable for use with fuels or solvents; used only to fill, not to drain, so clean fluid stays clean
- Drum features second port for filling or dumping fluids without having to remove the pump – saving both time and clean up
- Hand pump dispenses efficiently; on/off ball valve
- Quick attachment adaptors
- Container made of UHDP (ultra-high density polyethylene)
- Hose length: 4' 10"

#### Set Includes:

CVT Adaptor – VW®/Audi® Vehicles

ASTATF101 Ford® Vehicle Drive Line Adaptor

ASTATF102 BMW®, Honda® and Nissan® Vehicle Drive Line Adaptor

ASTATF103 VW®/Audi® Vehicle Short Drive

ASTATF104 VW®/Audi® Vehicle Long Drive

ASTATF105 Mini®/VW®/Audi® Vehicle Drive Line Adaptor

ASTATFSET9 8 L Capacity



ASTATFSET9



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Automatic Transaxle Dipstick

- Made of stainless steel
- Used for checking the fluid level in 6F24 automatic transaxle
- Clear level marks with a knurled handle

#### Applicable:

All 6F24 6-speed and 948TE 9-speed automatic transmissions. Chrysler® Pacifica® (2017–2018); Dodge® Dart® (2012–2016); Fiat 500® (2012–2017); Jeep® Cherokee® (2014–2017), Compass® (2014), Patriot® (2014) and Renegade® (2015–2017)

ASTCRY323



ASTCRY323

### Transmission Dipstick for Chrysler® Vehicles

- Used on all vehicles equipped with NAG1, 42RLE, CVT transmission and the 62TE transaxle

**42RLE Automatic Transmission:** (KJ) Jeep® Liberty® (2006–2007) (KK) Jeep® Liberty® (2008–present) (KA) Dodge® Nitro® (2007–present)

**62TE Automatic Transmission:** (JS) Dodge® Avenger® and Chrysler® Sebring® (2007–present)

**CVT Automatic Transmission:** (MK) Jeep® Compass® and Patriot® (2007–present) (PM)

Dodge® Caliber® (2007–present)

**NAG1 Automatic Transmission:** (LC) Dodge® Challenger® (2008–present) (LX) Chrysler® 300C®, Dodge® Charger® and Dodge® Magnum® (2005–present) (WK) Jeep® Grand Cherokee® (2007–present)

**NAG1 Automatic Transmission:**

(LC) Dodge® Challenger® (2008–present)

(LX) Chrysler® 300C®, Dodge® Charger® and Dodge® Magnum® (2005–present)

(WK) Jeep® Grand Cherokee® (2007–present)

ASTCRY933



ASTCRY933



ASTM7226

### Transmission Dipstick for Mercedes® Vehicles

- For checking ATF level

#### Applicable:

Mercedes® models with 722.6 transmission (1997–2016); Jaguar® XKR® with W5A580 (2000–2002)

ASTM7226

# Driveline/Steering/Suspension/Transmission Tools

## Transmission Tools



**AST** **ASSENMACHER**  
SPECIALTY TOOLS  
ASTTOOL.COM

**ASTSPR886**

### Transmission Dipstick

#### Applicable:

Dodge® Sprinter® and Freightliner® Sprinter® (2002–2009) and Chrysler® Crossfire® (2004–2008) transmission dipstick. Use in conjunction with factory repair literature to get correct fluid level measurements

**ASTSPR886**



**AST** **ASSENMACHER**  
SPECIALTY TOOLS  
ASTTOOL.COM

**AST10030A**

### 30 mm 12-Point Deep Socket for Toyota® Vehicles

- Used for R and R of transmission drive shaft flange nut and pinion shaft flange nut of differential on older BMW® and Mercedes® models. Also used on Toyota models with 30mm, 12-point axle nuts.

#### Applicable:

Toyota® vehicle models

**AST10030A**



**OTC6604**

### Transmission Fluid Fill Adaptor for Ford® Explorer® Vehicles

- Required tool to fill or add fluid to the 5R55W automatic transmission
- Weight: 1 oz

#### Applicable:

2003–newer Ford® Explorer® vehicles

**OTC6604**

### QuickFlow Drill Pump Kit

- Universal adaptor with rubber mounting strap allows all drill sizes to be quickly mounted to pump
- One hand operation leaves free hand to manage suction and discharge hoses
- Heavy-Duty-Design
- Manufactured from high strength, chemical resistant polymer
- Steel gear shafts running in brass bushes
- Suitable for long run cycles
- Positive priming
- High flow rate
- 6.3 pints (3 L) per minute with drill speed 1,200 RPM
- 1/4" hex to 3/8" drive drill adaptor included
- Quick connect couplers for hose interchange and storage
- Included hoses
- Fold-away accessory bracket allows pump to be run with 3/8" drive air ratchet



**PVB71196**

**PVB71196**

**PVB71201** Transmission Adaptor Kit

### Transmission Line Cooler Plugs

- Plugs close male and female fittings like a faucet valve
- Fit 1/4, 5/16 and 3/8" tubes
- Allows vehicle to be driven from service bay with radiator off
- Eliminates loss of transmission fluid
- 16" chain connects plugs

**THX319**



**THX319**

## U-Joint Tools

### Pneumatic U-Joint Driver

- Quickly removes the U-joint cap from the drive shaft on most rear-wheel drive vehicles
- Use the driver with an air hammer to remove U-joint caps up to 1-5/16" diameter
- Prevents damage to drive shaft and axle shaft ears when presses or chisels are used
- On some vehicles the U-joint is retained with plastic from the factory and must be removed prior to driving out the U-joint caps

**L1L18980**



**L1L18980**

### Heavy-Duty U-joint Puller

- Used to remove the HD vehicle driveline U-joints using an impact wrench up to 1"
- Disassemble and reassemble U-joint cups without heat or hammering
- Larger diameter threaded shaft can handle U-joints that are severely seized and require higher force to pull and install
- Smoother thread provides lower, more consistent effort to rotate shaft
- Designed to fit all Class 7 and 8 trucks, including a wide variety of drivelines from Spicer® and Meritor®

**OTC5190A**



**OTC5190A**

### U-Joint Tool

- Designed for a 1/2" drive impact wrench
- Removes even the most stubborn U-joints with ease
- Compact and easily set up, making it ideal for service calls
- Use at different angles and in tight places
- Puller's legs have holes for bolt storage
- Bolts included: 5/16"-24 x 1-1/2", 3/8"-24 x 1-1/2", 7/16"-20 x 1-1/2", M8-1.25 mm x 35 mm

#### Applicable:

Most Dana® Spicer® and Meritor® U-joints, except Spicer's Life series model SPL250X

**OTC7490**



**OTC7490**

### Hold-ets Magnetic Vise Clips

- Magnetically holds sockets for assembling and disassembling U-joint and many other jobs
- Fits all vises
- Rugged aluminum construction
- Holds 5-1/2 lb vertically and 2-3/4 lb horizontally

**POSHE3** One pair



**POSHE3**



# Driveline/Steering/Suspension/Transmission Tools

## Upper Control Arm Knock-out Tool —

### Upper Control Arm Knock-out Tool for GM® and Chevrolet® Vehicles

- Upper control arm alignment brackets will not be damaged if you use this tool to remove the knock-out plug
- Makes the whole job of front-end alignments on GM® and Chevrolet® light trucks easier and less time-consuming

#### Applicable:

1/2, 3/4 and 1 ton trucks with 2- or 4WD, and 1990–newer all-wheel drive Astro® and Safari® vans

**OTC7491C**



## Wheel Bearing Nut Socket — **ASSENMACHER SPECIALTY TOOLS** ASTTOOL.COM

### Wheel Bearing Nut Socket for Toyota® Vehicles

- For R&R of wheel bearing nut located on inboard side of wheel hub
- Made in USA

#### Applicable:

(2WD) Toyota® 4Runner® (1995–2006), T100 (1995–1998) and Tacoma® (1995–2006)

**ASTTOY185**



## Wheel Lock Kit

### Wheel Lock Key Kit for VW® and Audi® Vehicles

- 23 pc factory reproduced master wheel lugnut key/bolt kit
- Works on 1st generation VW®/Audi® factory wheel lugnut locks
- 22 pc splined lugnut bolts with nylon sleeved 1/2" drive 17 mm installer socket
- Identical to factory set - uses same factory part numbers
- Packaged in custom blow-molded case

**KCT4150**



**KCT4150**

### 20 pc Wheel Lock Kit for VW® Vehicles

- Removes 2nd generation VW® wheel locking lug nuts for 2009–present cars
- Identical to factory set - uses same factory part numbers
- Cannot be used with an impact gun
- Comes packaged in a custom blow-molded case

**KCT4155**



**KCT4155**

### Wheel Lock Bolt Kit for BMW® Vehicles

- 21 piece key/bolt kit for removal of 1st generation BMW® internal spline drive wheel locks
- Includes 20 splined lugnut keys with a nylon sleeve 1/2" drive 17 mm installer socket
- Identical to factory set-uses same factory part numbers
- Packaged in custom blow-molded case

**KCT4160**



**KCT4160**

### 20 pc Wheel Lock Kit for BMW® Vehicles

- 20 piece key set for removal of 2nd generation 2011–present BMW factory wheel lug locks
- Comes packaged in a custom blow-molded case
- Same as Mercedes® 'B' Wheel Lock Master Key Set
- Identical to factor set-uses same factory part numbers
- Cannot be used with an impact gun

**KCT4165**



**KCT4165**

### Wheel Master Lock Set for Porsche® Vehicles

- 20 pc wheel lock key set for the removal of 2006–present Porsche® factory wheel lug nut locks
- Identical to factory set - uses same factory part numbers
- Packaged in a custom blow-molded carrying case

**KCT4170**



**KCT4170**

### Wheel Master Lock Set for Audi® Vehicles

- 20 pc master wheel lock ket set for the removal of 2006–present Audi® factory wheel lug nut locks
- Identical to factory set - uses same factory part numbers
- Packaged in a custom blow-molded carrying case
- Cannot be used with an impact gun

**KCT4175**



**KCT4175**

## Wheel Nut Socket —

### Wheel Nut Socket for GM® Vehicles

- Spanner wrench that will both compress the nut wave washer and drive the nut on or off
- 1-1/8"

#### Applicable:

2003–2010 C-Series medium-duty truck

**KTMJ-44275**



**KTMJ-44275**

# Engine Service Tools

## Alignment Tool

### Ford® Diesel Drill Plate

- Tapered bolts center base plate over bolt holes and slip fit bushing allows you to move from hole to hole without moving base plate
- The screw extractor is then used to remove the broken bolt
- Includes bushing to drill to tap size when extractor cannot be used
- CA residents see page 365 for Proposition 65 warning. ⚠

LIL71350

LIL71570 Ford® Diesel Drill Depth Gauge

LIL71580

### Manifold Template Ford® 4.6L/5.4L

- Tapered bolts center base plate over bolt holes and slip fit bushing allows you to move from hole to hole without moving base plate
- The screw extractor is then used to remove the broken bolt
- Includes bushing to drill to tap size when extractor cannot be used
- CA residents see page 365 for Proposition 65 warning. ⚠

LIL71600



LIL71350



LIL71600

### Ford® 4.6L/5.4L/6.8L drill plate

- Tapered bolts center base plate over bolt holes and slip fit bushing allows you to move from hole to hole without moving base plate
- The screw extractor is then used to remove the broken bolt
- Includes bushing to drill to tap size when extractor cannot be used
- CA residents see page 365 for Proposition 65 warning. ⚠

LIL71590

### Front and Rear Cover Alignment Tool for GM® Vehicles

- Used to properly align front and rear seals on V8 engines

OTCJ-41476



OTCJ-41476

## Alternator Tools

### Multi-Toothed Alternator Pulley Socket

- Used for removal and replacement of the free-wheel pulley on the alternator on newer Bosch® alternators
- Comparable to Mercedes® #602 589 00 10 00
- Comparable to VW® #3400
- Comparable to Volvo® #9995760

Applicable:

Mercedes®, Porsche®, Volkswagen® and Volvo®.

ASTALT34018



ASTALT34018

### Alternator Decoupler Pulley Tool Kit

- Includes all of the tools required for removal and installation of ADP (one-way and overriding/freewheeling)
- Includes five tools designed for North American vehicles

LIL57650 Kit

Kit Includes:

LIL57610 33T Spline

LIL57620 10 mm Female Hex Drive

LIL57630 17 mm Hex Helling Socket

LIL57660 T 50 Torx® Bit

LIL57670 10 mm Triple Square Bit



LIL57650

## Belt Tools



ASTMC11419

### Mini Serpentine Belt Wrenches

- Serpentine belt wrenches for MINI Cooper® models equipped with N12, N14, N16 and N18 engines
- Comparable to MINI Cooper® #116210
- Each set comes with a (1) large and (1) small 12-point wrench

Applicable:

MINI Cooper®

ASTMC11419



HRR91031

### Subaru® Stretch Belt Installer

- Services all 2008 to current models of Subaru® Impreza, Outback® and Forester®
- Due to tight access restrictions, traditional stretch belt tools will not work on this application

HRR91031

HRR910-100

HRR910-150

HRR910-200

HRR910-3



KDT3680D

### 15 pc Ratcheting Serpentine Belt Tool Set

- Used to release tension on serpentine belt self-adjusting idler pulley
- Crow Foot Wrenches Provide Maximum Coverage and Access
- Includes 6 Point Sockets: 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm and 19 mm
- Includes Drive Tools: Long Bar and Short Bar Ratcheting Wrench
- Crow Foot Wrenches Provide Maximum Coverage and Access

KDT3680D

GW GEARWRENCH

### Fan Clutch Service Set

- Covers Most Vehicles With Bolt on Pulleys and Also Newer Chrysler Engines
- Used With Press on Pulleys Requiring Special Pins to Hold Housing
- Features the Patented Universal Pulley Holder

KDT41580D



KDT41580D

### Universal Tension Pulley Pin Socket

- This one tool does the job of several different types of timing belt spanner wrenches for foreign or domestic engines
- Pivoting arms fully open to over one-inch (center-to-center of pins), accessing nearly all pin holes
- Used in conjunction with a 1/4" ratchet or 13 mm box wrench, convenient and easy to use

SIR2626



SIR2626

## Camshaft Tools



**AST3428**

### Cam Lock Bar for TDI® VW® Vehicles

- Used for locking the camshaft
- Made in USA

#### Applicable:

1999–2003 VW® TDI®

Used in conjunction with AST3359

**AST3428** TDI® Cam Lock Bar, New Style



**AST650TPT100**

### Camshaft Adjust Socket for Mercedes® Vehicles

- 1/2" drive
- 100 mm long
- Used to remove and replace the camshaft adjuster central valve

**AST650TPT100**



**AST7200**

### Camshaft Pulley Holder Kit

- Fits belt-driven 4-, 6- and 8-cylinder Toyota® and VW®/Audi® 1.8L, 2.0 L turbo, 2.0 L BMW®, 2.5 L, 3.2 L vehicle engines
- Comes with three sets of interchangeable pins
- Pins may be threaded in two different locations, based on application access
- Overall length 18"
- 12" spread between pins at tip of arms, when pivot arm is at 90°

**Kit Includes:** AST7200-1, AST7200-2, AST7200-3 and AST7200-4

**AST7200** Kit

**AST7200-1** Barbell Holding Pin

**AST7200-2** 3-Step Holding Pin

**AST7200-3** Single Holding Pin

**AST7200-4** GM® Vehicles Vortec Pump Pin



**ASTF1248**

### Camshaft Alignment for Ford®/Lincoln® Vehicles

- Includes holding fixtures and chain tensioner hold down tool
- Comparable to Ford® factory tool numbers 303-1248 and 303-1530

#### Applicable:

Applicable to Ford®/Lincoln® models with 3.5 L, 3.5 L Eco-boost and 3.7 L (2007–2016)

**ASTF1248**

### Camshaft Alignment Tool for Mini Cooper® Vehicles

- Timing set used on N12 and N16 (non-turbo) engines

**ASTMC1216SET**

**ASTMC1216SET**



**ASTSU200T**

### Camshaft Pulley Holder for Subaru® Vehicles

- Used to hold the camshaft pulley on 2002–2005 Impreza® WRX® vehicles with 2.0 turbo
- Some 2.5 L turbo engines require the use of both ASTSU3625 and ASTSU200T

**ASTSU200T**

### 2.5L Cam Alignment Bar for Subaru® Vehicles

- Constructed from lightweight aluminum
- Comparable to Subaru® tool #499207300
- Camshaft gear holding tool is only used for holding the pulley while breaking the camshaft gear nut loose

#### Applicable:

(1996–1999) Subaru® 2.5 L DOHC (non-turbo) engines.

**ASTSU250**



**ASTSU250**



**ASTSU3625**

### Cam Sprocket Holder for Subaru® Vehicles

- Used to hold the camshaft sprockets on Subaru® vehicles with the 2.5 L Turbo, 3.0 L and the 3.6 L engines (2004–2015)

**ASTSU3625**



**ASTT10252**

### Camshaft Locking Tool for Audi® Vehicles

- For VW®/Audi® 2.0 L turbo engines (2006–2008) (BPG)(BPY)(BWT).
- Used in conjunction with: ASTVW5220, ASTT10115 and ASTVW87-2

#### Applicable:

2006–2008 VW®/Audi® 2.0 L turbo

**ASTT10252**

# Engine Service Tools

## Camshaft Tools

### Camshaft Adjusting Socket for VW®/Audi® Vehicles

#### 3.0 L Timing Tool Set for Audi® Vehicles

- Used to adjust variable valve timing on the exhaust side camshaft to basic position
- Used with ASTT40011, ASTT40026 and ASTT40030

#### Applicable:

Audi® 3.0 L V6 (5 V) vehicle engines

**ASTT40028** Used to adjust variable valve timing on the exhaust side camshaft to basic position



ASTT40028

### Camshaft Alignment Fixture for VW®/Audi® Vehicles

- Used to hold and align the camshafts on Audi® 3.0L 5v
- Used in conjunction with ASTT40011, ASTT40026 and ASTT40028

#### Applicable:

Audi® A4® (2002–2005) and Audi® A6® (2002–2004) with 3.0 L V6 (5V) engine

**ASTT40030** Used to hold and align the camshafts



ASTT40030

### Camshaft Adjuster Socket for VW®/Audi® Vehicles

- Fits 2.0 L turbo VW®/Audi® (BPG and BPY) engines
- #10 polydrive socket for camshaft adjuster bolt on VW®/Audi® 2.0 L turbo (BPY) engines
- #10 polydrive
- 1/2" Drive
- Comparable to factory tool #T40080

**ASTVW5220**



ASTVW5220

### Cam Orientation Plate Adaptor

- Steering column features a cam orientation plate in place of the steering column shaft lock
- Orientation plate must be compressed to gain access to the retaining ring when steering column service is required

**KTMJ42137**

**KENT-MOORE**



KTMJ42137

### Camshaft Alignment Kit for Ford® Vehicles

- For use when servicing the timing belt, chains, head gaskets, or other valve train repairs on Ford®, Mercury® and Mazda® vehicles with 2.5 L DOHC, 2.3 L DOHC 4V and 2.0 L DOHC engines
- Kit comes with an aluminum camshaft bar, plus one short top dead center (TDC) timing pin and one long TDC timing pin
- Camshaft bar and long TDC timing pin are used on 2.0 L DOHC Zetec® engines found in 1994–2003 Ford® and Mercury® vehicles
- Timing pins are used on 2004–2012 2.5L DOHC, 2.3 L DOHC 4V and 2.0 L DOHC engines that are found in Ford®, Mercury® and Mazda® vehicles
- Camshaft alignment bar can also be used by itself on 2.0 L DOHC engines in 1993–1994 Ford® Probe® vehicle

**LIL37410** Kit

**LIL37420** Timing Bar

**LIL37430** Short Aligning Pin

**LIL37440** Long Aligning Pin



LIL37410

### Cam Phaser Locking Tool for Ford® Vehicles

- Services Ford® Mustang®, F-150®, F-Super Duty and other Ford® vehicles

**OTC303-1046**



OTC303-1046

### Cam Tool Set for Chrysler®/Jeep® Vehicles

- Ensures correct cam timing when servicing timing belts, chains, head gaskets or performing other valve train repairs
- 15 tools are based on OE designs and are offered to service the following applications:
- 1993–2004 3.5 V6 engines
- 1994–2004 2.0 and 2.4 I-4 and 2.5 V6 engines
- 1998–2004 2.7 V6 engines
- 1989–1995 2.0 I-4 Mitsubishi® engines
- 1991–1997 3.0 V6 Mitsubishi® engines
- 1981–1993 2.2 and 2.5 I-4 engines
- 1999–2004 4.7 V8 engines
- 2002–2004 3.7 V6 engines

**OTC6689**

**OTC522902** Secondary Timing Chain Holder



### Camshaft Alignment Plate

- Used to properly align the cam on various vehicles
- Can also be used for valve train or timing chain work

**OTC303-1061**



OTC303-1061

### Camshaft Alignment Tool Set for Chrysler® Vehicles

- These special brackets are necessary to ensure exact alignment of the camshaft sprockets during timing belt installation
- Applicable on all 1993–2010 Chrysler® vehicles with a 3.5 L OHC engine

**OTC7999**



OTC7999



## Camshaft Tools



**SIRHO100**

### Camshaft Seal Kit for Honda® Vehicles

- Installer kit (overall length of 2.5"), needed for proper installation of the camshaft seal on transversely mounted Honda® motors, placing the camshaft within close proximity to the shock tower
- Due to this confined area, it is extremely difficult to replace the cam seal using conventional methods
- The pusher and expansion cup of this installer kit are made from high-grade aluminum with an anodized finish

#### Applicable:

Honda®/Acura® 4-cylinder engine from 1984–newer, Honda® 4-cylinder motorcycles

**SIRHO100**



**SIRHO110**

### Cam and Balance Shaft Oil Seal Installer

- Cam and balance shaft oil seal installation combo master kit (#HO 100 + HO 105); needed for proper installation of the camshaft seal on transversely mounted Honda® engines, placing the camshaft within close proximity to the shock tower
- Due to this confined area, it is extremely difficult to replace the cam seal using conventional methods
- Comes equipped with a special expansion/guide sleeve that guarantees a perfect, damage-free cam oil seal installation every time

#### Applicable:

Honda®/Acura® 4-cylinder engine from 1984–newer, Honda® 4-cylinder motorcycles

**SIRHO110**



**SIRTOY100**

### Cam Seal Installer Kit for Toyota® Vehicles

- Overall length of 2.5", needed for proper installation of the camshaft seal on transversely mounted Japanese engines, placing the camshaft within close proximity to the shock tower
- Due to this confined area, it is extremely difficult to replace the cam seal using conventional methods

#### Applicable:

Toyota® engine – 3AC, 3EE, 3S-FE, 3S-GE, 4AC, 4A-GE, 5S-FE, 7M-GE, 7M-GTE  
Mazda® engine – B6, BP  
Nissan® engine – VG30

**SIRTOY100**

## Camshaft/Crankshaft Tools



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com



**AST3359**

### Lock Pin for VW® TDI® Vehicles

- Injector pump locking pin for VW®
- Made in USA

#### Applicable:

1999–2003 VW® TDI® engines Used in conjunction with AST3428

**AST3359** TDI® Lock Pin



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com



**ASTVW4006**

### C Gear Puller Set for VW®/Audi® Vehicles

- Puller used to remove cam sprockets

**Includes:** 18, 23 and 25 mm pulling arms

#### Applicable:

VW® 4 cylinder TDI, VW®/Audi® V6 (5V) and Audi® V8 (40V). Also includes both arms for 2.0 L 4V Direct Injection Engines (BPY) (BPG) (BWT)

**ASTVW4006**

**KENT-MOORE**



**KTMJ44643**

### Fly Wheel Holder

- For use on Duramax® 6.6 L engines
- Used to hold the flywheel/engine stationary during removal of the hub bolt

**KTMJ44643**



**LIL13800**

### Water Pump Sprocket Holder for GM® Ecotec® Engines

- Holds the timing chain and gear in place while removing or installing the water pump on Ecotec® engines
- Securely holds the water pump sprocket preventing loss of timing or damage to the engine
- Special half-moon design allows easier access to water pump gear bolts
- Uses access cover bolts to hold the tool in place

**LIL13800**



**LIL22100**

### Flywheel Locking Tool, 6.6L Duramax® Flywheel Holder/Socket Duramax®

- Locks flywheel in place when removing harmonic balancer on 6.6 L Duramax® engines with Allison® automatic transmissions
- Saves time by locking the flywheel at the transmission instead of having to remove the starter for water pump replacement
- Use 36 mm 12-point socket with 3/4" square drive to remove harmonic balancer bolt and retorquer on installation

**LIL22100**

# Engine Service Tools

## Camshaft/Crankshaft Tools



**OTC6009**



**OTC6020**



**OTC6466**



**OTC6467**



**OTC6468**



**OTC6469**



**OTC6470**



**OTC6471**



**OTC6472**



**OTC6473**



**OTC6474**



**OTC6475**



**OTC6476**



**OTC6477**



**OTC6478**



**OTC6479**



**OTC6480**



**OTC6481**



**OTC6482**



**OTC6483**



**OTC6485**

## Ford® Vehicle Tool Application Chart

Year	Make and Model	Engine	Tool Description	OTC® Part No.	Ford® American Part No.	Global Part No.
1995–1997	Aerostar®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1996–1998	Aerostar®	4.0L V6	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1994–2002	Contour®	2.0L 4-cylinder DOHC Zetec®	Cam Alignment Tool	<b>OTC6474</b>	T94P-6256-CH	303-465
1997–2002	Contour®	2.0L 4-cylinder DOHC Zetec®	Crankshaft TDC Timing Pin	<b>OTC6475</b>	T97P-6000-A	303-574
1991–1998	Crown Victoria®	4.6L 2V V8	Cam Positioning Tool	<b>OTC6009</b>	T91P-6256-A	303-380
1992–1998	Crown Victoria®	4.6L 2V V8	Cam Positioning Tool	<b>OTC6020</b>	T92P-6256-A	303-413
1997–2002	Econoline®	4.2L V6	Cam Sensor Synch Tool	<b>OTC6469</b>	T96T-12200-A	303-562
1997–1998	Econoline®	4.6L and 5.4L V8, 6.8L V10	Cam Positioning Tool	<b>OTC6009</b>	T91P-6256-A	303-380
			Cam Positioning Tool	<b>OTC6020</b>	T92P-6256-A	303-413
1997–2002	Econoline®	4.6L and 5.4L	Cam Positioning Tool Set	<b>OTC6476</b>	T96T-6256-AR	303-S568
1997–2002	Econoline®	5.4L V8	Cam Holding Tool	<b>OTC6477</b>	T96T-6256-B	303-557
1997–2002	Econoline®	6.8L V10	Cam Positioning Tool Set	<b>OTC6476</b>	T96T-6256-AR	303-S568
			Cam Holding Tool	<b>OTC6477</b>	T96T-6256-B	303-557



## Ford® Vehicle Tool Application Chart

Year	Make and Model	Engine	Tool Description	OTC® Part No.	Ford® American Part No.	Global Part No.
1997–2002	Econoline®	Windsor V8	Cam Holding Tool	<b>OTC6477</b>	T96T-6256-B	303-557
1997–1998	Expedition®	5.4L V8	Cam Positioning Tool	<b>OTC6009</b>	T91P-6256-A	303-380
			Cam Positioning Tool	<b>OTC6020</b>	T92P-6256-A	303-413
1997–2002	Expedition®	5.4L V8	Cam Positioning Tool Set	<b>OTC6476</b>	T96T-6256-AR	303-S568
			Cam Holding Tool	<b>OTC6477</b>	T96T-6256-B	303-557
1996–1998	Explorer®	4.0L V6	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1997–2002	Explorer®	4.0L SOHC V6	Cam Gear Holding Tool	<b>OTC6478</b>	T97T-6256-B	303-564
			Crankshaft Holding Tool	<b>OTC6479</b>	T97T-6303-A	303-573
			Cam Holding Tool Adaptor	<b>OTC6480</b>	T97T-6256-D	303-576
			Cam Holding Tool	<b>OTC6481</b>	T97T-6256-C	303-577
			Cam Gear Hldg Tool Adaptor	<b>OTC6482</b>	T97T-6256-A	303-578
			Cam Gear Bolt Socket and Ext.	<b>OTC6485</b>	T97T-6256-F, -G	303-565, -575
1999–2002	Explorer®	4.0L Push Rod V6	Cam Sensor Synch Tool	<b>OTC6483</b>	T96T-12200-A	303-638
1996–1998	Explorer®	5.0L V8	Cam Sensor Synch Tool	<b>OTC6469</b>		303-562
1999–2002	Explorer®	5.0L V8	Cam Sensor Synch Tool	<b>OTC6470</b>		303-630
1997–2002	F-Series®	4.2L V6	Cam Sensor Synch Tool	<b>OTC6469</b>	T96T-12200-A	303-562
1997–1998	F-Series®	4.6L and 5.4L V8	Cam Positioning Tool	<b>OTC6009</b>	T91P-6256-A	303-380
			Cam Positioning Tool	<b>OTC6020</b>	T92P-6256-A	303-413
1997–2002	F-Series®	4.6L and 5.4L	Cam Positioning Tool Set	<b>OTC6476</b>	T96T-6256-AR	303-S568
1997–2002	F-Series®	5.4L V8	Cam Holding Tool	<b>OTC6477</b>	T96T-6256-B	303-557
1997–2002	F-Series®	Windsor V8	Cam Holding Tool	<b>OTC6477</b>	T96T-6256-B	303-557
1994–1995	Mustang®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6467</b>	T89P-12200-A	303-358
1996–1998	Mustang®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6469</b>	T96T-12200-A	303-562
1999–2002	Mustang®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6470</b>		303-630
1993–1997	Probe®	2.0L 4-cylinder	Cam Pulley Holding Tool	<b>OTC6468</b>	T92C-6256-AH	303-398
1989–1997	Ranger®	2.3L 4-cylinder dual plug	Crankshaft Sensor Positioner	<b>OTC6466</b>	T89P-6316-A	303-354
1995–1997	Ranger®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1998–2002	Ranger®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6473</b>		303-589
1996–1998	Ranger®	4.0L V6	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1993–1995	Taurus®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6471</b>	T93P-12200-A	303-453
1996–1997	Taurus®	3.0L V6 2-valve	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1998–2002	Taurus®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6473</b>		303-589
1989–1995	Thunderbird®	Supercharged 3.8L V6	Cam Sensor Synch Tool	<b>OTC6467</b>	T89P-12200-A	303-358
1990–1995	Thunderbird®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6467</b>	T89P-12200-A	303-358
1997	Thunderbird®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6469</b>	T96T-12200-A	303-562
1995–1997	Windstar®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1998–2002	Windstar®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6473</b>	T89P-12200-A	303-589
1995	Windstar®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6467</b>		303-358
1996–1998	Windstar®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6469</b>		303-562
1999–2002	Windstar®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6470</b>		303-630
1998	Lincoln® Navigator®	5.4L V8	Cam Positioning Tool	<b>OTC6009</b>	T91P-6256-A	303-380
			Cam Positioning Tool	<b>OTC6020</b>	T92P-6256-A	303-413
1998–2002	Lincoln® Navigator®	5.4L V8	Cam Positioning Tool Set	<b>OTC6476</b>	T96T-6256-AR	303-S568
			Cam Holding Tool	<b>OTC6477</b>	T96T-6256-B	303-557
1989–1995	Cougar®	Supercharged 3.8L V6	Cam Sensor Synch Tool	<b>OTC6467</b>	T89P-12200-A	303-358
1990–1995	Cougar®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6467</b>	T89P-12200-A	303-358
1997	Cougar®	3.8L V6	Cam Sensor Synch Tool	<b>OTC6469</b>	T96T-12200-A	303-562
1991–1998	Grand Marquis®	4.6L 2V V8	Cam Positioning Tool	<b>OTC6009</b>	T91P-6256-A	303-380
1992–1998	Grand Marquis®	4.6L 2V V8	Cam Positioning Tool	<b>OTC6020</b>	T92P-6256-A	303-413
1997–2002	Mountaineer®	4.0L SOHC V6	Cam Gear Holding Tool	<b>OTC6478</b>	T97T-6256-B	303-564
			Crankshaft Holding Tool	<b>OTC6479</b>	T97T-6303-A	303-573
			Cam Holding Tool Adaptor	<b>OTC6480</b>	T97T-6256-D	303-576
			Cam Holding Tool	<b>OTC6481</b>	T97T-6256-C	303-577
			Cam Gear Holding Tool Adaptor	<b>OTC6482</b>	T97T-6256-A	303-578
			Cam Gear Bolt Socket and Ext.	<b>OTC6485</b>	T97T-6256-F, -G	303-565, -575
1999–2002	Mountaineer®	4.0L Push Rod V6	Cam Sensor Synch Tool	<b>OTC6483</b>	T96T-12200-A	303-638
1996–1998	Mountaineer®	5.0L V8	Cam Sensor Synch Tool	<b>OTC6469</b>		303-562
1999–2002	Mountaineer®	5.0L V8	Cam Sensor Synch Tool	<b>OTC6470</b>		303-630
1994–2002	Mystique®	2.0L 4-cylinder DOHC Zetec®	Cam Alignment Tool	<b>OTC6474</b>	T94P-6256-CH	303-465
1997–2002	Mystique®	2.0L 4-cylinder DOHC Zetec®	Crankshaft TDC Timing Pin	<b>OTC6475</b>	T97P-6000-A	303-574
1993–1995	Sable®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6471</b>	T93P-12200-A	303-453
1996–1997	Sable®	3.0L V6 2-valve	Cam Sensor Synch Tool	<b>OTC6472</b>	T95T-12200-A	303-529
1998–2002	Sable®	3.0L V6	Cam Sensor Synch Tool	<b>OTC6473</b>		303-589

# Engine Service Tools

## Camshaft/Crankshaft Tools

### Master Cam Tool Set for Ford® Vehicles

- Ensure correct cam timing when servicing timing belts, chains, head gaskets or other valve train repairs
- 22 tools in the OTC6489 master kit cover 1992–2002 applications and come in a molded storage case
- Tools are also broken down into three smaller kit configurations:

#### OTC6489 22pc Master Set

**OTC6486A** OTC® Ford® Cam Tool Kit for 2.0 L Zetec® engines in Contour®/Mystique® vehicles. Contains tools OTC6474 and OTC6475

**OTC6487** OTC® Ford® Cam Tool Kit for 1992–current 4.6 L, 5.4 L and 6.8 L modular V8 engines. Contains tools OTC6476, OTC6477, OTC6009, OTC6020 and molded storage case. Drop ship

**OTC6488** OTC® Ford® Cam Tool Kit for 1997–2002 4.0L Explorer®/Mountaineer® SOHC V6 engines. Kit contains tools OTC6478, OTC6479, OTC6480, OTC6481, OTC6482, OTC6484, OTC6485 and molded storage case. Drop ship

**OTC512745** Plastic storage box for the OTC6488



### Master Cam Tool Kit for Ford® Vehicles

- Kit allows the technician to adjust cam timing on any Ford® car or truck that has a timing chain or timing belt
- Contains 40 tools to ensure correct cam timing when servicing timing belts, chains, head gaskets or other valve train repairs
- Covers L4, V6, V8, V10 engines with 2V, 3V and 4V valve configurations, model years 1991–present
- Application guide with diagrams and blow molded case included

#### OTC6690

**OTC6690-1** Cam Tool Update Kit

### Universal Cam Spoke Lock-Vise

- Needed for the crucial task of securing twin cam pulleys from rotating during the R&R of timing belt
- Fully adjustable, tool comes complete with (1) pair 8" L and (1) pair 4-1/2" L, left/right hand threaded rods
- Shorter for confined spaces where the rods might interfere with the firewall or other auto parts
- Fully constricted onto the spokes of the cam pulleys and locking down the securing wing nuts, reveals a 6-point locking mechanism
- Remains rigid, does not allow for any movement of cams
- Quad cam pulley engines require two sets of tool

#### Applicable:

All Twin or Quad cam engines equipped with a timing belt pulley sprocket on each cam shaft; excluding Subaru® vehicles

#### SIR2727



### Universal Asian Seal Install

- This special bonus kit was designed for the proper installation of crank and camshaft oil seals, situated within confined areas on most 6- and 8-cylinder Toyota®, Lexus®, Nissan®, Mitsubishi®, Mazda® and Infinity® (Asian) engines
- In some instances, it is applicable to 4-cylinder engines as well

#### SIRST0129



### Harmonic Damper Holding Tool for GM® Trucks and SUVs

- Developed to aid in the removal and installation of the crank bolt on 4.2 L, 3.5 L and 2.8 L inline GM® engines
- A special tool is needed to hold the pulley stationary for the center bolt to be removed. The bolt is extremely tight and without the SEY64500, removal is very difficult
- After installation of the pulley, the center bolt requires 110 ft-lb of torque and 180° of rotation to seat the pulley properly to factory specifications

#### Applicable:

**4.2 L Straight 6-Cylinder:** Chevrolet® Trailblazer®, 2003–later; GMC® Envoy®, 2003–later; Oldsmobile® Bravada®, 2003–2004; Buick® Rancier®, 2004–later vehicles

**3.5 L Straight 5-Cylinder:** Chevrolet® Colorado®, 2004–later; GMC® Canyon®, 2004–later; Hummer® H3®, 2006–later vehicles

**2.8 L Straight 4-Cylinder:** Chevrolet® Colorado®, 2005–later; GMC® Canyon®, 2005–later vehicles

#### SEY64500



### Balance Shaft Oil Seal Installer

- Balance shaft oil seal installer needed for proper installation of balance shaft oil seal on transversely mounted Honda® motors, placing the camshaft within close proximity to the shock tower
- Due to this confined area, it is extremely difficult to replace the balance shaft using conventional methods
- This pusher cup is made from high-grade aluminum with an anodized finish

#### Applicable:

Honda®/Acura® 4-cylinder engine from 1984–newer

#### SIRH0105



## Carburetor Tools

### Carburetor Adjusting Tool for GM® Vehicles

- Flex shaft tool adjusts idle/mixture screws
- Fits both Double-D screws and 4.5 mm hex heads
- Sliding handle
- 2 tools in 1
- For 1979–present GM® vehicles with carburetors

#### THX350



## Crankshaft Tools

### Crankshaft Locking Pin for VW® and Audi® Vehicles

- Made in USA

#### Applicable:

VW® and Audi® 2.7L and 2.8L V6 engine. For use in conjunction with AST3243 and AST3391

#### AST3242





## Crankshaft Tools



### Crank Pulley Holder for Subaru® Vehicles

- 1/2" drive
- Used to hold the crankshaft on 2.5 L (non-turbo) DOHC Subaru® model vehicles
- Comparable to Subaru® #499977100

ASTSU7250



### Crankshaft Stop

- Installs and removes quickly and easily
- Used with AST3359 lock pin

#### Applicable:

2004–2005 VW® Golf®, Jetta® and new Beetle® vehicles with TD® Pumpe Duse  
**ASTT10050** Crankshaft Stop



### Crank Lock Pin for Audi® Vehicles

#### 3.0 L Timing Tool Set for Audi® Vehicles

- Used to lock the crankshaft at TDC position when replacing the timing belt
- Used with ASTT40011, ASTT40028 and ASTT40030

#### Applicable:

Audi® A4® (2002–2005) and Audi® A6® (2002–2004) with 3.0 L V6 (5V) engine  
**ASTT40026** Crankshaft Locking Pin



### Crankshaft Timing Peg for Ford® Vehicles

- Used to locate TDC #1 cylinder during timing chain service
- Works on 2.3 L4-valve engine used in 2001–2005 Ranger®, 2003–2010 Focus®, 2005–2010 Escape®/Mariner® and 2006–2010 Fusion® vehicles

KTM303-507



### Low profile adjustable seal puller

- Two hook sizes easily remove most oil and grease seals
- Where clearance is a problem, remove the pin to reposition the head
- The adjustable head works great on front wheel drive transaxles
- Also works on front crankshaft seals without removing the radiator

LIL55210



### Crankshaft Positioning Tool for Ford® Vehicles

- Easily installs over the crankshaft and engine front cover alignment dowel to position the crankshaft at top-dead-center (TDC), the correct position for timing chain installment

#### Applicable:

Ford® vehicle 1993–2004 4.2 L, 4.6 L 2 valve, 4.6 L 4 valve, 5.4 L V8 and 6.8 L V10 engines  
**OTC6024**



### Crankshaft Damper Remover/Installer Kit for Chrysler® Vehicles

- Services Chrysler®-built 2.0, 2.4, 2.5 and 3.5 L engines

#### Applicable:

1995–newer 3.5 L V6 used in Chrysler® New Yorker® and Concorde® vehicles; Dodge® Intrepid® vehicles and Eagle Vision vehicles; 1995–newer 2.0 L, 2.4 L 4-cylinder and 2.5 L V6 used in Cirrus®, Stratus® and Breeze® vehicles; 1995–newer 2.0 L 4-cylinder used in Neon® vehicles

OTC6075

### Crank Camshaft Seal Tool Kit

- Easily remove and install crankshaft and camshaft seals without damage
- Compact puller with unique extracting hooks engage seal for quick removal
- Interchangeable sleeves and mandrels allow easy installation of new seal
- Suits seals from 21.5–64 mm
- Install and remove all passenger car, light truck and SUV crankshaft and camshaft seals without damage

PVB70960



### Harmonic Damper Pulley Holding Tool for Lexus® and Toyota® Vehicles

#### Applicable:

Lexus® vehicles 1990 and later: (3.0 L V6, 3.3 L V6, 4.0 L V8, 4.3 L V8, 4.7 L V8) Toyota® vehicles 1996 and later: 3.0 L V6, 3.3 L V6, 4.0 L V6, 4.7 L V8

SEY64300

### Harmonic Damper Holding Tool for Toyota® Vehicles

- Unique 2-pin design holds the harmonic damper pulley on Toyota® 3.4 L V6 engines for crank bolt R&R
- Allows factory torque to be attained to seat the pulley properly

#### Applicable:

1996–2002 4Runner®, 1996–1998 T100® pickup, 1996–2004 Tacoma® pickup, 2000–2004 Tundra® pickup  
**SEY64400**



# Engine Service Tools

## Crankshaft Tools



**SIRBMW3034**

### 3 pc Crankshaft Pulley Counter Holder Bars for BMW® Vehicles

- Bolts up to the pulley face for easy removal and replacement of crank shaft bolts
- Each bar is over 21" long so that it will rest on the chassis frame during removal and replacement
- Application range covers most popular BMW® models for the last two decades
- BMW® engine models include: M20, 30, 42, 44, 50, 52, 60, 62, 70 and 73

#### SIRBMW3034

**SIRBMW3034-1** Applicable: BMW® engine models M60, M62, M70 and M73

**SIRBMW3034-2** Applicable: BMW® engine models M20, M42, M50 and M52

**SIRBMW3034-3** Applicable: BMW® engine model M30



**SIRHO115-WB**

### Crank and Seal Installer for Honda® Vehicles

- Needed for proper and easy installation of oil seal on pulley side of crankshaft
- Threaded step bolt screws into the crank bolt hole
- Press nut and washer provides the technician with an even and straight pressing force, seating the new oil seal into the engine case every time

#### Applicable:

Honda® and Acura® engines

#### SIRHO115-WB



**SIRTOY006**

### Crank Seal Installer for Toyota® Vehicles

- Press cup used in conjunction with a "soft" or rubber mallet, needed for the proper and easy installation of oil seal on pulley side of crankshaft

#### Applicable:

Most 4- and 6-cylinder Toyota® engines

#### SIRTOY006

## Cylinder Head Bolt Sockets

### BMW® Head Bolt Socket

- Applicable to N52 non-turbo and N54/N55 turbo engines

#### ASTBMW11860



**ASTBMW11860**

### 10 mm Allen Socket for Toyota®/Mercedes-Benz®/Lexus®/Nissan®/VW®/Audi®/Hyundai®

- 1/2" drive, 12-point, 140 mm long
- Used for R&R of cylinder head bolts

#### Applicable:

Engines OM 601, 602 and 603

#### ASTS3054X10



**ASTS3054X10**

## Diesel Emissions



**CNT3R401**

### Diesel Urea Refractometer

- EPA regulations require all diesel engines manufactured on or after January 1, 2010, to meet lowered NOx emissions standards
- These new engines require the periodic addition of diesel exhaust fluid (DEF, a urea solution) to enable the process; DEF is available in a bottle from most truck stops, and some have installed bulk DEF dispensers near the diesel fuel pumps; However, to ensure the proper operation of the system, operators must ensure the DEF in their vehicle consists of a 32.5% urea/water solution
- Scale: 5% line graduations, 32.5% indicated scale, 15–40% total scale

Kit Includes: refractometer, dropper, lens wipe cloth, screwdriver (for calibration) and case

#### CNT3R401



**LIL69910**

### 14 pc Turbo Air System test kit with smoke adapter

- CA residents see page 365 for Proposition 65 warning. ⚠

#### LIL69910



**LIL69930**

### 10 pc HD Turbo Air System test kit with smoke adapter

- Includes t-adapter for connecting smoke machines to help locate air leaks in the components
- Plugs the output side of the turbo and the intake inlet
- Air and smoke are applied through one adapter to show the presence of leaks within the system
- Features a pressure gauge, shut off valve and pressure regulator and includes four pairs of stepped adapters to fit most turbo systems on semi and light trucks
- Can also be used on some cooling system hoses
- CA residents see page 365 for Proposition 65 warning. ⚠

#### LIL69930

## Diesel Fuel Filter Tools

### Ford 7.3L fuel filter tool

- Allows for easy removal and installation of Ford 7.3 L diesel fuel caps
- Works with fuel caps From 1995 and newer
- Improves ability to remove and install caps where access is a problem

**KDT3526D**

**GW GEARWRENCH**

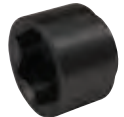


**KDT3526D**

### Oil/Fuel Filter Socket for 6.0L Ford® Diesel Vehicles

- Low-profile socket works in confined spaces
- 3/8" drive
- Fits both 35 and 36 mm fuel and oil filter housings
- Also works on MINI Cooper® and some BMW® vehicle oil filter housings and Mack® truck oil filter housing

**LIL14500** 35/36 mm for Ford® 6.0 L Diesel Fuel and Oil Filter Housings, Mini® Cooper and some BMW® Vehicle Oil Filter Housings and Mack® Truck Oil Filter Housing



**LIL14500**

### Diesel Filter Wrench for Ford® Transit Engines

- Remove and install fuel filter elements on 3.2 L Diesel Ford® Transit Engines
- Works on 2015–current 150, 250 and 350 models
- Tool is notched to match the canister design to help eliminate slipping and damage to the canister
- To remove the canister housing, slip the tool over the canister and turn the wrench to the unlock position on the canister
- To install, apply upward pressure and turn the canister housing to the locked position
- 3/8" square drive to provide extra leverage

**LIL61140**



**LIL61140**

### Injector Wrench for GM®/GMC®/Chevrolet®

- Ensure damage-free injector removal
- Carbon buildup can wreak havoc on simple injector service
- Avoid damaging expensive and crucial injector components

#### Applicable:

6.6 L Duramax® Diesel, mid 2001–2004 vehicles

**KTMJ44639**

**KENT-MOORE**



**KTMJ44639**

## Dipsticks

### Engine Oil Dipstick for Audi® Vehicles

#### Applicable:

(2009–2015) Audi A4, A5, A6 and Q5 with 2.0 L TFSI, 3.2L FSI, 4.2 L FSI and (2010–2015) S4 3.0 L supercharged engine. Also used on Porsche Cayenne and Panamera 3.0 L Supercharged Hybrid.

**ASTAU40178**



**ASTAU40178**

### Engine Oil Dipstick for Mercedes® Vehicles

- For checking engine oil level

#### Applicable:

Mercedes® models with 112, 113, 137 and 271 engines that do not have an engine dipstick

**ASTM0721**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTOOL.COM



**ASTM0721**

## Engine Moving Tool

**THEXTON**



**THX419X**

### Engine Moving Tool for GM® Vehicles

- Replaces engine torque strut (dogbone) on GM® vehicle transverse engine front-wheel drive vehicles
- Allows engine to be tilted forward for access to spark plugs, distributor coil, hoses, etc.
- High-strength steel
- Heat-treated pivots

**THX419X** Set, Tool and Adaptor

**THX419A** Adaptor Only

## Engine System Cleaners



**UVU400-0050**

### MotorVac® MV5: Maximum Strength Fuel System Cleaner and Engine Decarbonizer

- Super concentrated detergent package rapidly cleans fuel system, including injectors and intake valves
- Exclusive hydrobond technology uses proprietary chemistry to “steam clean” combustion chamber deposits
- Clean burn technology revitalizes performance and restores fuel economy
- 6 x 17 oz (510 mL) cans

#### Works exclusively with:

UVU5000220 CarbonClean®  
1000 Engine Decarbonizing System

**UVU400-0050**



**UVU400-0126**

### MotorVac® CarbonClean® MV3 Heavy Duty Fuel System Cleaning Detergent

- CarbonClean® MV3 detergent gently “steam cleans” internal engine components, eliminating soft carbon and other contaminants that harm engines and impede performance
- Effectively cleans the fuel system and eliminates the build-up of carbon in the combustion chamber
- Contains no harmful alcohols
- 4 x 32 oz (946 mL) bottles

**UVU400-0126**

# Engine Service Tools

## Engine System Cleaners



UVU500-0245

### Gasoline Motorvac® System

- First gasoline engine system of its kind to clean the fuel system
- Fully electronic microprocessor-controlled operation
- Works on port fuel, TBI, CIS and carbureted vehicles
- Portable – 12 V DC operation

UVU500-0245



## Hood Props



EZRHH1000

### Super Hood Prop

- Telescopes from 25"–5'
- Only prop to hold sport utility or minivan gates 100% open
- Exclusive double-locking system
- Special guide channel ensures the button lock to line up every time

EZRHH1000



EZRHH40

### Monster Hood Holder

- Telescopes to 40"
- Exclusive double-locking system
- Special guide channel ensures the button lock to line up every time

EZRHH40



THX430

### Universal Hood/Tailgate Prop

- Clamps to weak gas cylinder lifts to hold up hood or tailgate
- Will not damage cylinder rod
- Eliminates clumsy sticks or props

THX430

## Line Disconnect Tools

### 5/16" Fuel Line Disconnect for Nissan® Vehicles

- For disconnecting fuel lines

#### Applicable:

2004–later vehicle models with 5/16" fuel rail

**AST8026** 5/16" Fuel for 2004–newer Nissan®/Toyota® Vehicles



AST8026

### Fuel Line Disconnect Tool for Subaru® Vehicles

- Used to disconnect the fuel lines on Subaru® models (2004–2014)

#### Applicable:

2004+ models Turbo and Non-Turbo 2.0 L and 2.5 L (except 2006 WRX/STI)

**AST8028**



AST8028



## Line Disconnect Tools

### Master Disconnect Set

- Most complete disconnect set on the market
- Comes in a heavy-duty case for easy access and easy storage
- No more random disconnect tools laying around, all disconnect needs are in one place

#### Set Includes:

**HRR683**

**HRR683-1** Clutch Disconnect Tool for GM® Vehicles

**HRR683-2** Fuel Disconnect 5/16" Tube for Ford®/GM® Vehicles

**HRR683-3** Heater Line Disconnect Tool for GM® Vehicles

**HRR683-4** Toyota® Vehicles A/C Disconnect Tool

**HRR683-5** Hydraulic Clutch Disconnect Tool

**HRR683-6** Spring Lock Coupler Tool

**HRR683-7** Fuel Line Coupling Tool for Ford® Vehicles

**HRR683-8** Oil Cooler Line Disconnect Tool

**HRR683-9** 3/8" Disconnect Tools

**HRR683-10** 5/16" Disconnect Tool

**HRR683-11** 1/4" Disconnect Tool

**HRR683-12** Transmission and Fuel Line Disconnect

**HRR683-13** Fuel Line Quick Disconnect

**HRR683-14** Heater Hose Disconnect for Ford® Aerostar® Vehicles

**HRR683-15** 3/8" Fuel Line Disconnect

**HRR683-16** 5/16" Fuel Line Disconnect

**HRR683-17** Quick Disconnect for Ford®/GM® Vehicles

**HRR683-18** 1/2" Green Fuel Line Disconnect

**HRR683-19** 3/8" Yellow Fuel Line Disconnect

**HRR683-20** 3/8" Black Ford® Spring Lk

**HRR683-21** 3/4" Beige Ford® Spring Lk

**HRR683-22** 1/2" Blue Ford® Spring Lk

**HRR683-23** 3/8" Red Ford® Spring Lk

**HRR683-24** Heater Hose Disconnect for Ford® Vehicles

**HRR683-25** Fuel Line Disconnect for Chrysler® Vehicles

**HRR683-26** Transmission/Oil Line Disconnect for GM® Vehicles

**HRR683-PB** Case



HRR683

### Fuel Line Pliers For Mercedes® Vehicles

- Designed for quick connect, slide and lock couplers found on fuel lines
- pull fuel and vacuum hoses (Mercedes-Benz®)

#### Applicable:

• Applications include Audi®, GM®, Mercedes-Benz®, including M-class, Toyota® and VW® models

- CA residents see page 365 for Proposition 65 warning. ⚠

**HRR689**



HRR689

### Fuel Line Tools

- Designed to remove stubborn fuel lines
- Constructed from aircraft-grade aluminum; light and strong
- Opening is 3/4" and goes down to 1/8"
- Fits into tight spaces
- Universal application for all import and US vehicles

**HRRTNZ230** Straight/Angled Set

**HRRTNZ231** Straight Only

**HRRTNZ232** Angled Only



HRRTNZ230

### Fuel Line Quick Disconnect Tool

- Tool releases the fuel line locking mechanism on 1989–newer GM®, 1990–newer Ford® and some 1990–newer Mazda® vehicles
- Also fits Chrysler® fuel-injected vehicles (except imports)
- Fits 5/16" and 3/8" fuel lines

**KDT3321**



KDT3321



## Oil Pressure Testers

### KENT-MOORE



KTMJ42907

#### Oil Pressure Adapter

- Used to provide access for testing mechanical oil pressure with a pressure gauge on 4.2 L, 4.8 L, 5.3 L, 5.7 L and 6.0 L gasoline engines

KTMJ42907

#### Transmission and Engine Oil Pressure Tester

- Checks engine oil pressure and automatic transmission pressure on cars, trucks, motorcycles, ATVs, boats and other recreational vehicles – US and import
- New adaptors more than double the applications of other test sets on the market
- Set includes (21) total adaptors, including (12) new sizes
- Quick coupler connection on gauge assembly for fast and easy changing of gauges to the hose assembly
- 2-1/2" gauge has dual scale dial with ranges from 0–100 PSI and 0–7 bar; hook-on gauge allows technician to hang gauge and hose assembly out of harm's way
- 3-1/2" gauge has dual scale dial with ranges from 0–400 PSI and 0–28 bar

**Includes:** Color-coded standard and metric fittings include (11) aluminum metric, seven brass NPT and (3) steel SAE adaptors, 6' hose for easy viewing of gauge and the ability to test the vehicle from the driver's seat. Custom blow-molded case for convenient storage

- CA residents see page 365 for Proposition 65 warning. ⚠️

SPDTU16APB

### LANG TOOLS



SPDTU16APB

## Oil Tube Tools

#### Oil Tube Extractor for Ford®

- Precision machined stainless steel
- Designed to remove broken oil dipsticks without lifting engine or removing oil pan
- Can be paired with PMXPHR100K PowerHammer assembly to remove broken off tube in less than three minutes
- Made in USA

PMXPTE100



PMXPTE100

## Oxygen Sensor Tools

#### Oxygen Sensor Socket

- Designed to easily remove an oxygen sensor
- 7/8" hex, 1/2" square drive (double square for easy access)
- Heat-treated cast steel

OTC7189

### OTC



OTC7189

## Pulley Remover Tool

#### Power Steering/Water Pump Pulley Removal and Replacement Aid for VW® and Audi® Vehicles

- Double triangular head is designed to be used on pulleys that utilize socket head bolts

SEY96280



SEY96280

## Serpentine Belt Tools

#### GearWrench® Serpentine Belt Tool, 3/8" Adaptor

KDT368073



KDT368073

## Serpentine Belt Tools

#### Serpentine Belt Wrench Set

- Designed to release tension on spring-loaded idler pulleys
- Wrenches allow direct access to the tensioner without having to remove engine accessories or frame components
- Ratcheting wheels allow quick-and-easy positioning of the wrench-driving end to allow the user to access the tensioner from any angle; this is done by rotating the drive end on the wrench to match the position of the serpentine belt tensioner
- Wrenches are heat-treated and nickel-chrome plated for durability, appearance and long tool life
- Slim head design allows access to tight areas found in tensioner area on some front wheel drive vehicles
- CA residents see page 365 for Proposition 65 warning. ⚠️

Set Includes:

**AEM5344** Set

**AEM8579** 16 x 15 mm x 3/8" Square Drive

**AEM8585** 13 x 14 x 18 mm x 1/2" Square Drive

**AEM8591** 14 x 17 x 19 mm x 3/4" Square Drive



AEM5344

#### Ratcheting Serpentine Belt Tool

- Releases tension on serpentine belts with a spring-loaded idler pulley
- Ratcheting head with freewheel position provides maximum leverage
- Set ratcheting head to the middle or neutral/free wheel position and once maximum travel point is reached simply click lever into place to lock the ratchet mechanism
- Comes with extension for hard-to-reach idler pulleys
- Will work where conventional ratchets or breaker bars will not fit due to limited access
- Includes 19 mm socket for Honda® and Toyota® vehicle applications

LIL59000



LIL59000

#### Stretch Belt Remover/Installer

- Combination removal and installation tool for most stretch belt applications found on many accessory drive systems
- Unique magnetic faces hold the tool in place on the pulley
- Helps prevent damage to belt or pulley during removal or installation
- Compact, 1 pc tool can be used on the front or back side of the pulley

LIL59370



LIL59370

# Engine Service Tools

## Serpentine Belt Tools



### A/C Belt Install Tool for BMW® (N62) Engine

- Made in USA
- Used for installing the A/C belt that is a stretch belt where no belt tensioner is used
- Blue anodized, machined finish

#### Applicable:

(2004–2006) BMW® (N62) V8 engine with the stretch belt  
**ASTBMW0062**



**ASTBMW0062**



### Serpentine Belt Wrench for Honda® Vehicles

- 25" L for increased leverage
- Equipped with 14 and 19 mm 12-point secured socket for engagement every 30°

#### Applicable:

Honda® Civic®, Accord®, Odyssey® and Pilot® vehicles  
**ASTHON1419**



**ASTHON1419**



**ASTHON37517**

### Serpentine Belt Wrench for Honda® Vehicles

- Serpentine belt wrench equipped with dual 17 mm 12-point sockets
- One side a shallow, secured 17 mm, 12-point and the other a 3/8" drive with removable long 17 mm, 12-point for engagement every 30°
- Lightweight and slim design
- 12-point sockets, for engagement every 30°
- Works on (2015–2016) Honda® applications
- 26-1/2" overall length

NOTE: Not all Honda® tensioners release in the same direction. On 2016 Honda® Pilot® and Odyssey® you may need to unclip the light brown clips from the brace.

#### Applicable:

Acura® MDX (2014–2016); Honda® Accord® (4-cyl.) (2014), CR-V (2015–2016), Crosstour® (2014–2015), Odyssey® (2016–2018) and Pilot® (2016)

**ASTHON37517** Honda® Serpentine Belt Wrench



**ASTMC100**

### Serpentine Belt Tool for Mini Cooper® Vehicles

- Relieves tension on belt tensioner
- Equivalent to OEM tool #118410

#### Applicable:

"Supercharged" MINI Cooper® S (2002–2006) and MINI Cooper® S Convertible (2005–2008)

**ASTMC100**



**ASTTOY1914**

### Serpentine Belt Wrench for Toyota® Vehicles

- Lightweight and slim design
- Equipped with 14 and 19 mm, 12-point securing attachments

#### Applicable:

1998–2005 Corolla®, 2004 Matrix®, 2008 Highlander® V6 (Non-hybrid), 2002 RAV4® and 4.7 L/5.7 L V8 used in Tundra® and Sequoia® through 2008 vehicles

**ASTTOY1914**

### Serpentine Belt Tool

- Used to remove and install belts on serpentine belt systems using the spring-loaded idler pulley
- Fits idler pulleys requiring 13 mm, 14 mm, 15 mm, 16 mm, 18 mm, 19 mm hex and both 3/8" and 1/2" square drive sizes
- For applications with limited access, 13 mm and 16 mm sockets are built into the handle
- Covers most US and some import applications
- Comes with extension for hard-to-reach idler pulleys
- (8) low profile sockets and extension help to fit into tight spots
- Includes 19 mm socket for Honda® and Toyota® vehicle applications

**LIL59800**

**LIL59160** Vinyl Holder

**LIL59780** Replacement Handle



**LIL59800**

### Belt Holder

- Keeps belt from falling off of a pulley during belt installation
- Universal design to fit most pulley styles and sizes
- Super strong magnet to hold the belt firmly on the pulley
- Multiple holders can be used for belt applications that fit around many pulleys
- Durable plastic housing with magnet for steel/iron pulley applications

**OTC7424**



**OTC7424**

## Spark Plug Remover

### Spark Plug Remover for Ford® Vehicles

- Removes broken spark plugs from 2004 and newer Triton® 3-valve-per-cylinder engines
- Includes unique porcelain pusher tools and a tapered left-hand thread remover
- Porcelain pusher is used to press the porcelain pieces without breaking the porcelain further into the plug tip
- Provides space for the left-hand thread remover to bite into the stainless steel plug tip, so it can then be pulled
- Blow-molded storage case included

**LIL65600**



**LIL65600**

### Spark Plug Remover Kit for Ford® Vehicles

- Unique design prevents breakage by locking the porcelain core to the plug hex, allowing it to turn as one complete unit
- Will also pull the plug porcelain core if hex only is removed
- Includes detailed instructions to maximize success rate

**OTC6918**

**LIL65610** Puller Housing

**LIL65620** Puller Screw Replacement

**LIL65670** Pusher Assembly



**OTC6918**

## Timing Tools

### Bracket for Chain Adjustor for VW® and Audi® Vehicles

- Used when removing and installing the timing chain adjustor

#### Applicable:

Many VW® and Audi® 4-, 6- and 8-cylinder engines with 5 valves per cylinder

**AST3366**



### Timing Set for N20/N26 Engines for BMW® Vehicles

- Used to set the timing for BMW® N20/ N26 2.0 L turbo engines (2013–2016)

**ASTBMW2026**



**ASTBMW2026**

### Engine Timing Tool Set for BMW® Vehicles

- Used to set timing on cams of both cylinder heads
- Includes hold down tool for cam fixtures
- Crankshaft timing pin included

#### Applicable:

(2003–2010) BMW® N62, N62TU & N73 engines

**ASTBMW6208**



**ASTBMW6208**

### Timing Set for 2.0L EcoBoost® Engines for Ford® Vehicles

- Used to set camshaft timing on 2012–newer Ford® vehicles with 2.0 L turbo Original EcoBoost® engines
- Set includes the TDP crank timing pin, cam locking plate and the crank position sensor (CPS) alignment block
- Comparable to Ford® tool numbers 303-507, 303-1521 and 303-1565

**ASTF20T**



**ASTF20T**

### BJW

#### GM® 1.4 L Ecotec® Timing Kit

- Comes in storage case
- Comparable factory tool #EN-49977-100, #EN-49977-200, #EN-49978, #KM-953-A, #KM-952 and #KM-955

#### Applicable:

Buick® Encore® (2013–2018); Chevrolet® Cruze® (2011–2018), Sonic® (2011–2018) and Trax® (2013–2018)

**ASTGM140**



**ASTGM140**

### Lock Pin for VW® TDI® Vehicles

#### Timing Belt Tool Set

- Used for locking the camshaft, crankshaft and diesel pump while setting the timing belt
- Applicable to 1999–2014 VW® TDI® and pumped-use engines
- Includes new style cam lock bar
- Includes 2-pin spanner wrenches and crankshaft stops

**AST6814TDI**



**AST6814TDI**

### Timing Set for N52/N54 Engines for BMW® Vehicles

- Engine alignment tools for newer BMW® (N51/N52) 3.0 L (non-turbo) and (N54) 3.0 L (twin-turbo)
- Covers 2006–newer 1, 3 and 5 Series® models with 3.0 L (non-turbo) and 3.0 L twin turbo engines
- Includes carrying case
- NOTE: For (2011–2018) models with the N55 engine requires the use of #ASTBMW5585 in conjunction with the #ASTBMW3028

**ASTBMW3028**



**ASTBMW3028**

### Ford® 1.6L Timing Set

- Used to set timing on the 1.6 L naturally aspirated and 1.5/1.6 L EcoBoost® turbo-charged engines
- May also require the use of #ASTF1616-376B, #ASTF1616-1552 and #ASTF16393
- Made in USA

**ASTF1616T**



**ASTF1616T**

### Timing Set for Ford®/Mazda® Vehicles

- Kit used on all of the 2.3 L engines (Turbo and Naturally Aspirated)
- Comparable to factory tool numbers 303-507 (crank pin), 303-465 (cam bar) and 303-1061 (turbo cam plate)

#### Applicable:

Ford® Escape® 2.5 L (2005–2013), Focus® 2.0 L non-turbo (2003–2011), Fusion® (2006–2013) and Ranger® (2001–2011); Mazda® 3® (2004–2013), Mazda® 5® (2006–2013), Mazda® 6® (2003–2013), CX-7® (2007–2012), Mazdaspeed® 3® (2007–2013), Mazdaspeed® 6® (2006–2007) and MX-5 Miata® (2006–2013)

**ASTFM2330**



**ASTFM2330**

### Engine Timing Set for Jaguar® and Land Rover® Vehicles

- Works on Land Rover® and Jaguar® 5.0 L V8 and 3.0 L V6 engines (2010–2017)
- Compares to the factory tools #303-1447, #303-1452, #303-1445, #303-1482, #303-1448 and #JLR-303-1303

#### Applicable:

Jaguar® F-Type (2014–2017), XE® (2016–2017), XF® (2010–2017), XJ® (2010–2017), XK® (2010–2015); Land Rover® LR4® (2010–2017), Range Rover® (2010–2017) and Range Rover® Sport (2010–2017)

**ASTJLR5008**



**ASTJLR5008**

# Engine Service Tools

## Timing Tools

### Engine Timing Kit for MINI® Cooper® Vehicles

- Engine timing set for (2007–2012) Mini® Cooper used on N14 turbocharged engines
- For Mini N18 Turbo engines, see MC1800.
- For the N12 and N16 (non-turbo) see MC1216SET.
- May require additional tools for ASTBMWMC280 and ASTBMW62222.

**ASTMC1400**



**ASTMC1400**

### Timing Set for VW®/Audi® Vehicles

#### Kit Includes:

Crank counter hold tool (T 10355) used for counter-holding the vibration damper when loosening or tightening the center bolt of the crankshaft. Crankshaft thrust piece (T 10368) used when removing and installing lower timing chain cover. Drift for camshaft slide pieces (T 40196) used to set basic setting of cam slide adjuster on camshaft on 2.0 L 4V turbo engines. Locking clips (T 40267) for chain tensioner. Camshaft clamp (T 40271) used to lock camshaft sprockets in TDC position when installing timing chain. Assembly tool (VW® 10352) used for removal and installation of the 4/3 way central valve for camshaft adjustment

- Comparable to factory tools #T40011, #T10355, #T10368, #T40196, #T40267, #T40271 and #T10352

#### Applicable:

Applicable to VW® and Audi® models with 1.8 L Turbo and 2.0 L turbo engines (2009–2017)

#### ASTVW20T

**ASTT10355** Crank Counter Hold Tool

**ASTT10368** Crankshaft Thrust Piece

**ASTT40196** Drift for Camshaft Slide Pieces

**ASTT40267** Locking Clips

**ASTT40271** Camshaft Clamp

**ASTVW10352** Assembly Tool



**ASTVW20T**



**ASTVW87-1**



**ASTVW87-2**

### Timing Belt Spanner Wrench for VW® Vehicles

- Used for the adjustment of the timing belt
- Comparable to factory tool #3387

#### Applicable:

2004–2005 VW® Golf®, Jetta® vehicles, Pumpe Duse 2002–2005 Audi® 3.0 L V6 vehicles

**ASTVW87-1**

### Timing Belt Spanner Wrench for VW® Vehicles

- Used for adjusting the timing belt tension and is comparable to VW® vehicles' tool #T10020

#### Applicable:

1999–later VW® Golf®, Jetta®, Passat® and 1999–2003 VW® Beetle® vehicles with 2.0 L gas engine and 1.9 L TDI® diesel engine

**ASTVW87-2**



**LIL13500**

### 41 mm Water Pump Wrench for GM® Vehicles 1.6L

- Use with 3/8" square drive and short extension to easily adjust and hold the water pump when replacing or adjusting timing belt
- Stubby tool design allows access to timing belt sprocket without interference from vehicle frame
- Heat-treated alloy steel for strength

#### Applicable:

1.6 L engines in 2004–current Chevrolet® Aveo®, excluding 2009 with variable timing engine and 1999–2002 Daewoo® Lanos® vehicles. Also works on the Chevrolet® Optra® vehicles in markets outside the US.

**LIL13500**

### Tensioner hold down

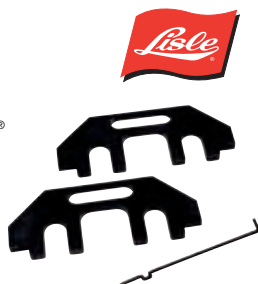
- Use when servicing the timing chain on Ford V6 3.5L and 3.7L engines
- Helps ensure camshaft alignment during removal and installation of the timing chain
- Includes holding tool for secondary chain tensioner

**LIL37190**

### Timing tool for Ford with tensioner

- Use when servicing the timing chain on Ford® V6 3.5 L and 3.7 L engines
- Helps ensure camshaft alignment during removal and installation of the timing chain
- Includes holding tool for secondary chain tensioner

**LIL37200**



**LIL37200**

### Timing Belt Tensioner Release Tool for VW® and Audi® Vehicles

- Designed to compress the hydraulic timing belt tensioner when servicing the water pump
- Holds the timing belt in place against the cam gear
- No need to reset the timing as the engine is held at TDC (top dead center) and the belt will be held stationary when replacing the water pump

#### Applicable:

1.8 L turbo 1996–2006 VW® Golf®, Jetta® and new Beetle®, Audi® TT® and A4® vehicles

**SEY67650**



**SEY67650**



## Timing Tools



### Timing Chain Wedge and Handle

Applicable:  
4.6 L 2V Engines

**OTC303-1175**



## Valve Tools



### Universal Overhead Valve Spring Compressor

- Remove valve springs on most cars with overhead valves without removing the cylinder head
- Offset jaws grip the valve spring in parallel compression
- Tool maintains constant length as spring is compressed
- Use with KDT901 or KDT2992
- Caution: Wear eye protection. Vehicle must be placed in Park/Neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crankshaft rotation will occur.



**KDT2078D**

**KDT2078D**

## Valve Tools



**LIL16560**

### Valve spring compressor for GM® LS

- Works on most GM® LS-Type engines
- Allows removal of the valve spring without removing the rocker stand or other rockers
- Can be used on or off the vehicle

**LIL16560**



**OTC303-1039**

### Valve Compressor for Ford® Vehicles

- Mustang®, F-150®, Super-Duty F-250®–F-550®, Explorer®/Mountaineer®/Sport Trac®, Expedition®/Navigator®

Applicable:  
4.6 L 3V, 5.4 L 3V

**OTC303-1039**



**OTC7928**

### Valve Spring Compressor Tool for Ford® Vehicles

- Compresses valve springs for quicker, easier camshaft, valve seal, valve spring, or retainer service because you do not have to remove the head from the engine first

#### Applicable:

1991–newer Ford® vehicle 4.6 L, 2-valve, V8 engines; and 1997–newer Explorer® vehicles with 4.0 L engines

**OTC7928**

## Water Pump Holding Tool



### Water Pump Holding Tool for GM® Vehicles

- Save time and increase shop productivity with this specially designed tool
- Simply remove the access plate and install the OTC6616 to hold the timing chain in place
- 2002–2008 GM® vehicles 2.2 L and 2.4 L Ecotec® motors found in Chevrolet®, Oldsmobile®, Pontiac® and Saturn® vehicle platforms

**OTC6616**



**OTC6616**

## Water Pump Pulley Remover



### Water Pump Pulley Remover for Ford® Vehicles

- Water pump pulley service set for Ford® vehicles
- Applications include 2.5 L and 3.0 L Duratec® engines

**OTC303-S455**

**OTC303-456** Water Pump Plate



**OTC303-S455**

## Water Sensor Wrench



**LIL34350**

### Water Sensor Wrench for GM® and Chevrolet® Vehicles

- Removes and installs the water sensor on 2001–newer 6.6 L Duramax® diesel engines
- Use when replacing the fuel filter or when servicing the water sensor
- Plastic sensor has a 12-sided design that is easily damaged by other tools

**LIL34350**



**LIL34900**

### Water Sensor Wrench for GM® and Chevrolet® Vehicles

- Removes and installs the water sensor located on the fuel filter on 2012–newer 6.6 L Duramax® diesel engines

#### Applicable:

For use when replacing the fuel filter or when servicing the water sensor. The plastic sensor has a different-sized hex design that is easily damaged by tools, like pliers, that do not specifically fit the sensor.

**LIL34900**



**LIL34910**

### Water Sensor Wrench for GM® and Chevrolet® Vehicles

- Removes and installs the aftermarket water sensor located on the fuel filter on 2001–2011 6.6 L Duramax® diesel engines

#### Applicable:

For use when replacing the fuel filter or when servicing the water sensor. The aftermarket plastic sensor has modified octagon shape that is easily damaged by tools, like pliers, that do not specifically fit the sensor.

**LIL34910**

# THE INDUSTRY LEADER IN EXHAUST MANIFOLD REPAIR



Give Your Repair a Fresh Start. Go...

## EXTRACTORLESS

DRILL

TAP

DONE



ProMAXX® ProKits can be upgraded to drill out broken bolts completely, restoring threads back to factory standards.

### GM® LS (1999-2020)

*MIKEY II PROKIT* - PMXMI200APRO

Upgrade by adding:

PMXPPB2270 / PMXSSSC270

PMXPPB2320 / PMXPPT008



The only thing worse than a broken bolt, is a broken extractor. ProMAXX® ProKits can be upgraded to be **EXTRACTORLESS**.

### DODGE® HEMI 5.7L & 6.1L

*ALAN PROKIT* - PMXA100ADLR

Upgrade by adding:

PMXPPB2188 / PMXSSSC188

PMXPPB2270 / PMXSSSC270

PMXPPB2320 / PMXPPT008



### More Productive Repairs

- No more broken Extractors
- Unlimited Technical Support
- Immediate ROI

### FORD® GAS 4.6L, 5.4L, 6.8L

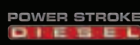
### FORD® DIESEL 6.0L, 6.4L

*ROCKY II PROKIT* - PMXRI100APRO

Upgrade by adding:

PMXPPB2270 / PMXSSSC270

PMXPPB2320 / PMXPPT008



## Back Pressure Testers

### Smoke adapter

- T-Adapter for connecting smoke machines to help locate air leaks in the components
- Plugs the output side of the turbo and the intake inlet
- Air and smoke are applied through one adaptor to show the presence of leaks within the system
- CA residents see page 365 for Proposition 65 warning. ⚠

LIL69920



LIL69920

### Back Pressure Test Adaptor Kit

- Aids in diagnosing clogged or restricted exhaust systems
- Allows comparing back pressure readings ahead and behind of suspected restriction
- Ideal for diagnosing clogged catalytic converters, collapsed exhaust pipes, etc.
- Kit includes small hole punch for use with air hammer, 5/16 x 1/2" self-tapping bolt and test adaptor
- Use self-tapping bolts to plug hole after test is completed
- Gauge not included
- Use 0–15 lb pressure gauge

THX389



THX389

### 3-Way Exhaust Back Pressure Kit

- Allows quicker and more accurate testing of exhaust blockages in catalytic converters, mufflers, etc.
- Can test in three different places: oxygen sensor, exhaust pipes and air injection system
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU24APB



SPDTU24APB

**LANG**  
TOOLS



### Exhaust Back Pressure Tester

- Take readings while road testing vehicle
- Compare pressure ahead of and behind suspected restriction, such as the catalytic converter or muffler

**Kit Includes:** Punch; 5/16" x 1/2" Self-Tapping Bolts; Test Adaptor; 12 mm/18 mm Fitting for Oxygen Sensor Port; 8' of Heat-Resistant Silicone-Tipped Hose; 0–15 PSI Gauge; Plastic Case

THX481



THX481

## Cutting Tools



HRR764

### Tailpipe Cutter

- (13) large diameter 19 mm cutting wheels cut deep into exhaust pipes
- Will not leave burrs
- Ideal for heavier walled European-type exhaust pipes
- Cuts pipe from 3/4–3-1/4" (19–83 mm) in diameter
- Works well in hard-to-reach places
- Only 1/4" turn needed to cut
- CA residents see page 365 for Proposition 65 warning. ⚠

HRR764



KDT203182D

### Cutter Chain Assembly

- Use tool to cut pipes 3/4–3" (19–76 mm) in diameter
- (15) blades effectively cut pipe so only a 100° rotation is needed for a complete cut
- Cutter has a plastisol-dipped handle for comfort
- Serviceable tool works in hard-to-reach areas
- Will not cut double-wall pipes; keep well oiled
- Caution: Wear eye protection

KDT203182D

## EGR Valve Tools

**OTC**



OTC303-1267A

### EGR Valve Pulling Tool for Ford® Motorcraft®

- Properly and quickly removes stubborn EGR valves
- Includes all accessories needed to complete the job

OTC303-1267A

## Exhaust Manifold Repair Kits

### Drilling Template for Ford® Engines

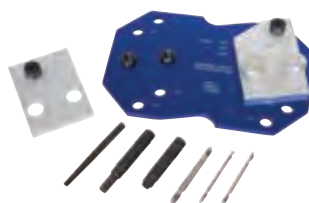
- Designed to remove broken exhaust manifold studs on 4.6 L, 5.4 L 2 Valve, 5.4 L 3 valve and 6.8 L V10 Ford® engines without damaging the block
- Interchangeable plates ensure drill is centered on the broken stud
- Depth gauge for drilling is marked on the template
- The stripped screw extractor is then used to remove the broken stud

LIL68500

LIL68510 Base Plate for Ford® Engines

LIL68530 2 Valve Adaptor

LIL68550 3 Valve Adaptor



LIL68500

LIL68590 Knurled Thumb Screw

LIL68600 Nylon Washer

LIL68610 Case

LIL68630 Double Ended 1/8" Drill Bit

LIL68640 Double Ended 3/16" Drill Bit

### Manifold Drill Template for GM® 4.8L, 5.3L and 6.0L

- Manifold drill template for GM® 4.8 L, 5.3 L and 6.0 L – removes broken exhaust manifold bolts on GM® LS III 4.8 L, 5.3 L and 6.0 L motors without damaging the cylinder head
- Tapered bolts center base plate over bolt holes and slip fit bushing allows you to move from hole to hole without moving base plate
- The screw extractor is then used to remove the broken bolt – includes bushing to drill to tap size when extractor cannot be used



LIL71400

- Double-sided drill depth gauge to make sure water jacket is not pierced

LIL71400 Set Includes:

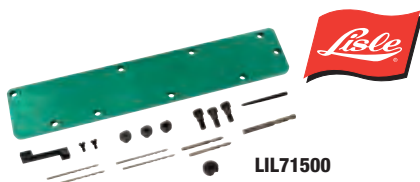
LIL68690 Stud Extractor

LIL71380 GM® Drill Plate



# Exhaust

## Exhaust Manifold Repair Kits



LIL71500

### Manifold Drill Template for Dodge® 5.7L Hemi®

- Removes broken exhaust manifold bolts on Dodge® 5.7 L Hemi® motors without damaging the cylinder head
- Tapered bolts center base plate over bolt holes and slip fit bushing allows you to move from hole to hole without moving base plate
- The screw extractor is then used to remove the broken bolt – includes bushing to drill to tap size when extractor cannot be used
- Double sided drill depth gauge to make sure water jacket is not pierced

LIL71500 Set Includes:

LIL68690 Stud Extractor

LIL71490 Dodge® 5.7 Drill Plate



PMXA100

### ProPlate Dodge® 5.7L Hemi® GS Engine

- ProPlate only option to expand existing customer capability
- Engineered for Dodge® 5.7 L Hemi® gas engines
- Includes: ProPlate, user guide, registration card, packaged in Instruction box
- Compatible with all 200 Series ProMAXX kits
- Cost effective to expand ProKit capability
- Made in the USA
- Item compatible with 200 series serial numbers

PMXA100



PMXA100A

### Exhaust Manifold Repair Tool for Dodge® Hemi®

- This Base Kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting studs in Dodge® 5.7 L Hemi® engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

PMXA100A Includes:

ProPlate™, ProFast™, ProDrill™, ProBushing™

### Exhaust Manifold Repair Kit for Dodge® Hemi® Vehicle

- Designed to assist in the removal and subsequent replacement of broken exhaust manifold mounting studs/bolts in Dodge® Hemi® powered 5.7L engines
- For Dodge® Ram® pickup, Dodge® drive chassis—Challenger® and Charger®, Durango® SUV
- Precision CNC machined dead flat, increased speed of stud remnant removal of up to 60%, precision alignment of +/- .003" of stud center, significantly reduces probability of cylinder head damage
- Can be mounted in any of six positions to reach every stud
- Includes ProPlate™, ProFast™ mounting fasteners, ProDrill™ (3 pk) machine tooling, ProChuck™, ProCutter™, ProPin™ and ProTractor™ all stored in protective heavy-duty blow-molded case



PMXA100ADLR

### PMXA100ADLR Includes:

ProPlate™, ProFast™, ProChuck™ & ProKey™, ProCutter™, Assy., ProDrill™, ProTractor™, ProBushing™, ProLube™, ProCase™



PMXE200BBSE

### Exhaust Manifold Repair Kit for Ford® EcoBoost®

- For Ford® 3.5 L EcoBoost® engines
- Facilitates quick and easy removal of broken manifold studs
- Precision made for perfect alignment and perpendicularity
- Made in USA

PMXE200BBSE

### 6.7 L Tube Repair for Ford® Diesel Vehicles

- This ProKit™ is unique in that it utilizes an expandable flange driven by a stainless steel arbor by providing stable mounting of the tool directly into the exhaust passage of the EGR tube side of the exhaust manifold. The tool is engineered to remove one or both mounting bolts simultaneously
- Immediate Return on Investment
- Speed-fast™ bushings for quick and easy repair
- Heavy-duty stainless steel inserts for a permanent no-hassle repair
- Limited Lifetime Warranty

### PMXEGRR100AP Includes:

ProPlate™, ProTap™, ProDrill™, ProSert™, ProBushing™, ProLube™, ProCase™

PMXPBS125 Optional Bushing Accessory to predrill pilot for PMXPPS280

PMXPPB280 Bushing Accessory to Facilitate Precise Machining of Damaged Titanium Alloy Fastener

PMXPPB420 Bushing Accessory to Facilitate Precise Machining of Exhaust Manifold to Facilitate threading with ProTap™ PMXPPT012

PMXPPB485 Bushing Accessory to Guide Tap for Precise Threading of Exhaust Manifold in Preparation for ProSert™ PMXPPS006

**PMXPPP750** Optional Bushing Accessory Providing Precise Alignment of PMXEGRR100AP Where Only One Fastener is Damaged

**PMXPPS006** Heavy-Duty Stainless-Steel Lockable Insert for Replacement of Threads Utilizing Stock OEM Fastener for Permanent Repair (2 pk)

**PMXPPS280** Stop Collar Accessory to be used on PMXPPS280 Which Limits Machining Depth

**PMXPPS420** Stop Collar Accessory to be used on PMXPPS420 Which Limits Machining Depth

**PMXPPT012** Machine Tap Accessory Coated for Speed, Accuracy and Longevity in a Hand Tap or Machine Fed Application

**PMXSSSC280** Machine Tooling for Precise Boring of Damaged Titanium Alloy Fastener

**PMXSSSC420** Machine Tooling for Precise Boring of Exhaust Manifold in Preparation for PMXPPT012 ProTap™ and PMXPPS006 ProSert™ HD Stainless-Steel Lockable Insert



PMXEGRR100AP



## Exhaust Manifold Repair Kits



### Exhaust Manifold Repair Kit for GS Engine

- For Ford® 6.2 L V8 engine
- Removable 300 series bushings for lightning-fast repairs
- Ensures perfectly straight drilling and perpendicularity
- Made in USA

**PMXG300APRO**



**PMXG300APRO**

### Exhaust Manifold Repair Kit for GM® Vehicles

- This ProKit™ was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting studs in General Motors® 2.8 L, 3.5 L, 3.7 L, and 4.2 L inline engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

#### PMX101ADLR Includes:

ProPlate™, ProFast™, ProChuck™ & ProKey™, ProCutter™ Assy., ProDrill™, ProPin™, ProTractor™, ProBushing™, ProLube™, ProCase™

**PMXM101BDLR** Exhaust Manifold Repair Kit for GM® Vehicles



**PMX101ADLR**

### Exhaust Manifold Repair Tool for Ford® Diesel

- This base kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting bolts in Ford® 6.0 L and 6.4 L diesel engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

#### PMXL102B Includes:

ProPlate™, ProFast™, ProDrill™, ProBushing™



**PMXL102B**

### ProPlate Only GM® GS Engine

- ProPlate only option to expand existing customer capability
- Engineered for GM® 4.8 L, 5.3 L, 5.7 L, 6.0 L, 6.2 L gas engines
- Includes: ProPlate™, ProFast™, PPF008500™ SS precision fasteners, user guide, registration card, packaged in blow molded box
- Compatible with all 200 Series Promaxx kits
- Cost effective to expand ProKit capability
- Made in the USA
- Item compatible with 200 series serial numbers

**PMXM101**



**PMXM101**

### Exhaust Manifold Repair Kit for GM® V8 and GM® Inline Vehicles

- This Master Kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting studs in General Motors® 2.8 L, 3.5 L, 3.7 L, 4.2 L, 4.8 L, 5.3 L, 5.7 L, 6.0 L, and 6.2 L gas and inline engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

#### PMXGMMSTR Includes:

ProPlate™, ProFast™, ProChuck™ & ProKey™, ProCutter™ Assy., ProDrill™, ProPin™, ProTractor™, ProBushing™, ProLube™, ProCase™



**PMXGMMSTR**

### Exhaust Manifold Repair Tool for GM® In-line Engines

- This base kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting studs in General Motors® 2.8 L, 3.5 L, 3.7 L, and 4.2 L inline engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

#### PMX101B Includes:

ProPlate™, ProFast™, ProDrill™, ProBushing™



**PMX101B**

### Exhaust Manifold Repair Kit for Ford® Diesel

- This ProKit™ was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting bolts in Ford® 6.0 L and 6.4 L diesel engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

#### PMXL102BDLR Includes:

ProPlate™, ProFast™, ProChuck™ & ProKey™, ProCutter™ Assy., ProDrill™, ProPin™, ProTap™, ProBushing™, ProLube™, ProCase™



**PMXL102BDLR**

### Exhaust Manifold Repair Tool for GM® Engines

- This Base Kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting studs in General Motors® 4.8 L, 5.3 L, 5.7 L, 6.0 L, and 6.2 L V8 engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

#### PMXM101B Includes:

ProPlate™, ProFast™, ProDrill™, ProBushing™



**PMXM101B**

## Exhaust Manifold Repair Kits



### Michele ProKit - Gen IV & V 5.3L, 5.7L, 6.0L, and 6.2L V8 Engines

- New ProKit that covers LS Generation IV & V model years 2014–2019
- Speed-fast hardened steel threaded bushings provide superior alignment over slip fit and set screw mounted bushings
- Special 1/4" drive drill chuck to turn an ordinary 1/4" drive air ratchet into compact drill for limited access areas
- Precision machine stainless steel fasteners to ensure precise alignment
- Machine grade tooling bit packages cut through hardest steel including titanium, boron, and high strength steel. At Rc55, twice the typical cutting capability of most drill bits
- Limited Lifetime Warranty
- Made in USA
- Free Unlimited Technical Support

#### PMXMI200APRO



PMXMI200APRO



PMXPPB030II

#### Replacement Tool for PMXS100APRO "Y" Pipe Repair Kit

- Precision machined hardened steel for long life
- Increases accuracy for proven repeatability
- Made in USA

#### PMXPPB030II



PMXPPB125II

#### Replacement Tool for PMXR102C/PMXR102DLR

- Hardened steel for long life
- Standard in all ProMAX® exhaust manifold repair kits
- Made in USA

#### PMXPPB125II



PMXPPB188II

#### Replacement Tool for PMXR102C/PMXR102DLR

- Precision machined hardened steel for long life
- Use with PMXSSC188 tooling
- For precision oversize drilling and using larger ProMAX® PMXPPT188 ProTractor™
- Made in USA

#### PMXPPB188II



PMXPPB2125

#### ProBushings™ Small

- Precision hardened steel drill bushing
- Use only with SSSC125 ProDrill™ tooling bit and PPT125 ProTractor™
- For use with 200 Series ProPlates™

#### PMXPPB2125



PMXPPB2188

#### ProBushings™ Medium

- This ProKit™ was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting bolts in Ford® 4.6 L, 5.4 L and 6.8 L gas and 6.0 L and 6.4 L Diesel engines
- Applications: Delphi, Tyco®, Deutsch, FCI®
- Highly recommended for Ford® 6.8 L V-10 and Ford®/INTL 6.0 L/6.4 L diesel engines
- Designed to clean Cannon, Deutsch, Bullet, NATO, Weatherpack and other round pin female terminals
- 1/4" steel square tubing and striking plate

**PMXPPB2188** Ford® Hub Tamer Adaptor, Ford® Taurus®/Sable® and Contour®/Mystique



PMXPPB2270

#### ProBushings™ Large

- Precision hardened steel drill bushing
- Use only with SSSC270 ProDrill™ tooling bits
- For use with 200 Series ProPlates™
- Use for extreme cases where necessary to remove the entire damaged remnant; leave the factory cylinder head threads untouched—follow with PPC008 ProChaser™ for cleaning factory tapped holes for fast and efficient pair

#### PMXPPB2270



PMXPPB2320

#### ProBushings™ Tap

- Precision hardened steel drill bushing
- Use only with PPT008 ProTap™ following SSSC270 ProDrill™ machine tooling
- Provides precise angularity and perpendicularity
- Use for cleaning factory tapped holes or extractor-less repairs; fast and efficient!

#### PMXPPB2320



PMXPPC007A

#### Manifold Repair Kit Accessories

**PMXPPC007A** ProCutter™ Assembly

**PMXSSC125** ProDrill™ Machine Tooling — .1250" Dia., 1.875" Length, Double Fluted



PMXPPB266II

#### Replacement Tool for PMXR102C/PMXR102DLR

- Precision machined hardened steel for long life
- Use with PMXSSC266 tooling
- For completely machining damaged stud out
- Follow with thread chaser or tap
- Made in USA

#### PMXPPB266II

## Exhaust Manifold Repair Kits

### ProTap

- Super sharp precision machine grade tooling for harder steel and alloys, stainless and titanium
- Use with CNC machine or hand applications
- Use to cut new or to clean existing holes
- Coated for lubricity and long life
- Made in USA

**PMXPPT008**



**PMXPPT008**

### ProPlate Only Ford® GS Engine

- ProPlate only option to expand existing customer capability
- Engineered for Ford® 4.6 L, 5.4 L, 6.8 L gas engines
- Includes: ProPlate, user guide, registration card, packaged in Instructo box
- Compatible with all 200 Series ProMAXX® kits
- Cost effective to expand ProKit capability
- Made in USA
- Item compatible with 200 series serial numbers

**PMXR102**



**PMXR102**

### Exhaust Manifold Repair Kit for Ford® Vehicles

- This ProKit™ was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting bolts in Ford® 4.6 L, 5.4 L and 6.8 L gas engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

**PMXR102CDLR Includes:**

ProPlate™, ProFast™, ProChuck™ & ProKey™, ProCutter™ Assy., ProDrill™, ProTractor™, ProPin™, ProBushing™, ProLube™, ProCase™



**PMXR102CDLR**

### Exhaust Manifold Repair Kit

- This ProKit™ was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting bolts in Ford® 4.6 L, 5.4 L and 6.8 L gas and 6.0 L and 6.4 L diesel engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty
- Made in USA

**PMXR100APRO Includes:**

ProPlate™, ProFast™, ProChuck™ & ProKey™, ProCutter™ Assy., ProChaser™, ProDrill™, ProTractor™, ProPin™, ProBushing™, ProLube™, ProCase™



**PMXR100APRO**

### Exhaust Manifold Repair Kit for 6.6L Diesel Engine

- For Ford®/International® 7.3 L V8 diesel engine
- Removable 300 series bushings for lightning fast repairs
- Facilitates quick and easy removal of broken manifold studs
- Made in USA

**PMXQ300APRO**



**PMXQ300APRO**

### Exhaust Manifold Repair Tool for Ford® Engines

- This base kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting bolts in Ford® 4.6 L, 5.4 L and 6.8 L gas engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

**PMXR102C Includes:**

ProPlate™, ProFast™, ProDrill™, ProBushing™



**PMXR102C**

### Exhaust Mainfold Repair Kit

- 50% savings in repair time
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

**Applicable:**

This TEC Kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting bolts in Ford® 4.6 L, 5.4 L, and 6.8 L gas engines

**PMXR102CINT Includes:**

ProPlate™, ProFast™, ProDrill™, ProTractor™, ProLube™



**PMXR102CINT**

### Ford®/Intl Diesel Y Repair Kit

- Turbo "Y" pipe repair kit
- On-the-truck repair of broken bolts in turbo charger without removing turbo
- Including interchangeable drill bushings, tooling bits and machine tap for precision repairs—fast
- Complete professional kit including all accessories to ensure worry and hassle free repairs
- Limited lifetime warranty

**Applicable:**

For Ford®/Int'l 6.0 L and 6.4 L diesel engines

**PMXS100APRO**



**PMXS100APRO**



# Exhaust

## Exhaust Manifold Repair Kits



PMXSSSC030

### Precision Machine Tooling Bit -30

- Machine tooling for fast cutting of stainless and hardened steel, and titanium alloy steel
- Cuts up to and including Rockwell Rc55 hardness, 8% Cobalt for faster, cleaner, and precision boring
- Use with PMXPPB030II ProBrushing™
- Replacement tooling for PMXS100APRO "Y" pipe repair kit
- Precision machined, hardened steel, use with PMXPPB030II ProBrushing™

PMXSSSC030



PMXSSSC188

### 3/16 Machine Tooling Bit

- Precision machine tooling  $\pm .0005"$  Dia.
- Engineered for cutting extremely hard materials up to Rc62
- Made in USA

PMXSSSC188 2 pack



PMXSSSC266

### 17/64 Machine Tooling Bit

- Precision machine tooling  $\pm .0005"$  Dia.
- Engineered for cutting extremely hard materials up to Rc62
- Made in USA

PMXSSSC266

### ProDrill™

- Superior quality machine tooling made from M42 cobalt
- Micro-edge for walk-free machining and quick penetration
- Machined straight and true
- Cut metals up to and including Rc55 stainless steel and titanium
- Made in USA

PMXSSSC270 Medium



PMXSSSC270

### Exhaust Manifold Repair Kit for GM® 6.6L Diesel Engine

- For GM® Duramax® 6.6 L diesel engines
- Removable 300 series bushings for lightning-fast repairs
- Facilitates quick and easy removal of broken manifold studs
- Made in USA

PMXT300APRO



PMXT300APRO

### HD DSL Tractor, Agriculture, & Marine Engine Exhaust Manifold Repair Kit

- New ProKit engineered to repair over the road, agricultural, and construction heavy duty diesel engines such as Caterpillar®, Cummins®, Detroit®, International®, John Deere®, Kubota®, Volvo® and most others
- Unique stainless steel stylist that allows technician to duplicate virtually any exhaust manifold bolt pattern set for repair
- Locking ProBrushing carriage allows multiple engine applications from one device
- Complete machine tooling package allows for fast extractor-less repairs
- Machine grade tooling bit packages cut through hardest steel including titanium, boron, and high strength steel. At Rc55, twice the typical cutting capability of most drill bits
- Free Unlimited Technical Support
- Made in USA
- Limited Lifetime Warranty

PMXU400APRO



PMXU400APRO

### Exhaust Manifold Repair Plate for Dodge®/Jeep® Vehicles

- This base kit was designed-engineered to deliver speed, precision, and consistent reliability in the extraction of broken exhaust manifold mounting studs in Dodge®/Jeep® 3.7 and 4.7 L V8 engines
- 50% savings in repair time
- Interchangeable bushings for an extractor-less repair
- Eliminate risk of drilling into the coolant jackets of the cylinder head
- Remove broken screw extractors without removing the cylinder head
- Limited Lifetime Warranty

### PMXY100A Includes:

ProPlate™, ProFast™, ProDrill™, ProBrushing™



PMXY100A

### Exhaust Manifold Repair Kit for Dodge®/Jeep® Vehicles

- This ProKit™ was designed-engineered to repair the turbo charger "Y" pipe mounting in the 6.4 L Ford®/International® diesel engine.
- Save over 3 hours of repair time
- Repairs the Turbo Charger to better-than-new condition
- Does not require a Helicoil® Insert
- Limited Lifetime Warranty

### PMXY100ADLR Includes:

ProPlate™, ProFast™, ProChuck™ & ProKey™, ProCutter™ Assy., ProDrill™, ProTractor™, ProBrushing™, ProLube™, ProCase™



PMXY100ADLR

## Exhaust Pliers

### Pipe Hanger Tool

- Separates exhaust hanger brackets from rubber supports
- Exhaust pliers work on all import and US car and truck exhaust systems that use the rubber hanger supports
- Simply squeeze the handles to force the bracket from the rubber support

LIL38350



LIL38350

## Tailpipe Shaper

### Pipe End Shaper

- Rounds pipes in or out
- Reshapes pipes bent for flared out by placing big end over pipe
- Range is 1-1/2-3-5/8" (38.1-92 mm)

LIL32000



LIL32000



# Fuel Injection and Compression Test Equipment

## Compression Testers

**LANG**  
TOOLS



SPD73111

### 12 and 16 mm Adaptor for Ford® Vehicles

- Compression test adaptor for use on vehicles engines that use 12 or 16 mm spark plugs
- Hose length 10"
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD73111

### Compression Test Kit

- M12 x M16 hose adaptor
- 8" long M14 short thread solid adaptor for when spark plug holes are deeply recessed
- M14 hose adaptor with short thread
- M14 hose adaptor with long thread
- M10 adaptor with short thread
- Separate small engine tester (TU-21) with M14 x M18 threads and gauge with dial ranging from 0–200 PSI and 0–14 bar

- Snap fit blow-molded case for convenient storage
- Instructions and labeling that clearly identifies each product
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU30A



SPDTU30A

### Universal Compression Tester

- Tests compression on domestic and import cars and trucks with gasoline engines
- Adaptors included: M14 and M18 short solid adaptor, M14 and M18 long flex adaptor and M14 long reach adaptor
- Long flex 12" hose and adaptors eliminates need to remove engine accessories to test compression
- Side release valve allows quick re-testing of cylinder without removing adaptor
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU3PB



SPDTU3PB

### Compression Extension

- 8" L M14-1.25 compression test adaptor provides easier access for compression testing where spark plug holes are recessed
- Rigid straight tubing is easier to thread into a recessed spark plug hole than a threaded adaptor on the end of a test hose
- Useful on DOHC style engines

SPDTU73110



SPDTU73110

## Diesel Compression Testers

**LANG**  
TOOLS

### Diesel Compression Tester

- Tests cylinder pressure on diesel cars and trucks
- Handy deflator for releasing air and retesting
- 16-1/2" wire-reinforced hydraulic hose has a quick coupler on a swivel for ease of connection
- 2-1/2" gauge with easy-to-read red/black dial and snap-in lens
- Records pressures from 0–1,000 PSI and 0–70 bar
- For use with compression adaptors, sold separately
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU15P



SPDTU15P

### American Diesel Compression Test Set

- Includes adaptors SPDUTU15-1 through 6 and SPDUTU15-14
- Tester has a deflator for releasing air and retesting
- 16-1/2" wire-reinforced hydraulic hose has a quick coupler on a swivel for ease of connection
- 2-1/2" gauge with easy-to-read red/black dial and snap-in lens
- Records pressures from 0–1,000 PSI and 0–70 bar
- Packaged in a blow-molded case to keep tester and components neatly arranged

**Includes Adaptors for:** GM®, Isuzu®, Ford®, Mazda®, Audi®, Mercedes®, Peugeot®, Toyota®, VW®, Volvo®, Kubota®, Mitsubishi®, Fuso®, Nissan® vehicles and Nissan® trucks

- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1551



SPDTU1551

### Diesel Compression Test Set

- Includes adaptors SPDUTU15-1 through 6, SPDUTU14, 17 and 22A
- Tester has a handy deflator for releasing air and retesting
- 16-1/2" wire-reinforced hydraulic hose has a quick coupler on a swivel for ease of connection
- 2-1/2" gauge with easy-to-read red/black dial and snap-in lens
- Records pressures from 0–1,000 PSI and 0–70 bar
- Packaged in a blow-molded case to keep tester and components neatly arranged

**Includes Adaptors for:** GM®, Isuzu®, Ford®, Mazda®, Audi®, Mercedes®, Peugeot®, Toyota®, VW®, Volvo®, Kubota®, Mitsubishi®, Fuso® and Nissan® vehicles, Nissan® truck, Lincoln® Mark VII® Continental®, Dodge® SUVs and trucks (Cummins®) and Ford®/Navistar® 7.3 turbo direct injection engines

- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1553



SPDTU1553

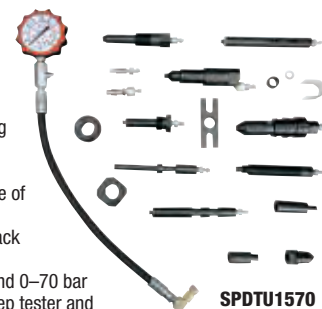
### Heavy Duty Global Diesel Compression Test Set

- Contains tester and popular adaptors needed to test heavy-duty trucks and equipment
- Tester has a handy deflator for releasing air and retesting
- 16-1/2" wire-reinforced hydraulic hose has a quick coupler on a swivel for ease of connection
- 2-1/2" gauge with easy-to-read red/black dial and snap-in lens
- Records pressures from 0–1,000 PSI and 0–70 bar
- Packaged in a blow-molded case to keep tester and components neatly arranged

**Includes Adaptors:** 4A, 8, 9, 11A, 12A, 14, 17, 18A-21 and 23

- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1570



SPDTU1570

# Fuel Injection and Compression Test Equipment

## Diesel Fuel System Testers and Accessories



SPD74425

### Release Valve and Tubing

- Hose assembly with release valve
- Used in Star® diesel products SPD74425, SPD74426 and SPD74427
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425

### 5.9 L Fuel System Test Kit for Dodge® Vehicles and Cummins® Engines

- Fuel volume test adaptors include 2' of tubing
- All fuel volume, pressure and air bubble test adaptors are individually labeled for easy identification
- Contains two air bubble/air bleed test adaptors
- Features quick-change system for fast and easy change of gauges

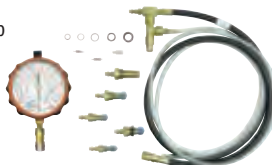
**Kit Includes:** Compound pressure/vacuum gauge, fuel pressure test adaptors, inlet restriction test adaptors, fuel volume test adaptors and all adaptors necessary for testing on Cummins® Series B and ISB diesel engines (including Dodge® Ram® vehicles)

- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425



SPD74425



SPD74425

### Basic Diesel Fuel Pressure Test Set

- Used to test fuel pressure between the lift pump and the injection pump on diesel engines
- Can be used to test most diesel engines from single cylinder to V32 models

**Includes:** 100 PSI gauge assembly with 4' hose, pressure relief valve, 6' clear PVC tube, five banjo bolt adaptors ranging from 8–14 mm

- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425



SPD74425

### International® Diesel Fuel System Test Kit

- Enables fuel system testing on International®/Navistar® diesel engines such as: VT365, T444E, DT466, DT530 and DT570

**Consists of:** 0–100 PSI gauge, 0–30 in Hg gauge, hose assembly with bleeder valve, International adaptor, International® right angle adaptor, Compucheck adaptor, M14 banjo bolt adaptor and a repair kit

- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425



SPD74425

### Fuel System Pressure Test Gauge

- Use to check fuel system pressure on diesel engines with Compucheck test ports
- Fits Compucheck test ports on the fuel system of Cummins® engines and other diesel engines that have been outfitted with the Compucheck test ports
- 6' hose allows for road testing
- Consists of a hose assembly with a female Compucheck fitting on one end and a 3-1/2", 300 PSI gauge on the other
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425



SPD74425

### Fuel System Restriction Test Gauge

- Use to check fuel system restriction on diesel engines with Compucheck test ports
- Fits Compucheck test ports on the fuel system of Cummins®, International® and Detroit® engines as well as other diesel engines that have been outfitted with the Compucheck test ports
- 6' hose allows for road testing
- Consists of a hose assembly with a female Compucheck fitting on one end and a 3-1/2", 30 in Hg vacuum gauge on the other
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425



SPD74425

### Compucheck Test Port

- Used to measure fuel pressure and/or restriction on diesel engines in conjunction with a Compucheck pressure/restriction gauge
- Can be added to an engine's fuel system permanently or temporarily for testing pressure or restriction with the Compucheck pressure tester or the Compucheck restriction tester
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425

### After-Treatment Service Kit

- Kit is used as part of a cleaning routine to remove particulates and soot that impede or obstruct the honeycomb filter within the front face of the Diesel Oxidation Catalyst (DOC)
- Compatible with all makes and models of diesel engine aftertreatment systems

**Kit Includes:** 13" After-treatment Adaptor, 6" After-treatment Adaptor, Retaining Collar, Retaining Straps, Blow Gun Assembly

WPI307000



WPI307000

## Diesel Test Adaptors

### Diesel Compression Test Adaptor

- Use with diesel compression tester SPD74425
- M14-1.25 thread adaptor attached to hose and a quick disconnect
- Screws into the head of the engine in the glow plug hole
- For use on International® VT 365 engine used in the International® 4200 medium duty truck and Ford® vehicles Power Stroke® 6.0 L engine used in F250®–F550® trucks
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425



SPD74425

### Diesel Compression Test Adaptor

- Use with diesel compression tester SPD74425
- For International® DT-466, DT-530 and HT-530 engines used in the International® 3200, 3800 buses; and 4300, 4400, 5500, 5600, 7300, 7400, 7500 and 8500 trucks
- Also used on Detroit Diesel® 40 series engines
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74425



SPD74425



# Fuel Injection and Compression Test Equipment

## Diesel Test Adaptors



### Diesel Compression Test Adaptor

- Use with diesel compression tester SPDTU15P
- Held in place with its own hold-down bracket
- For Cummins® ISB engines used in Dodge® pickup trucks, school buses and medium duty trucks
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1526



SPDTU1526

### Diesel Compression Test Adaptor - ISC

- Use with diesel compression tester SPDTU15P
- Held in place with its own hold-down bracket
- For Cummins® ISC engines used in medium duty trucks, motor homes and motor coaches
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1527



SPDTU1527

### Diesel Compression Test Adaptor - NTC/NTS

- Use with diesel compression tester SPDTU15P
- Compression test adaptor hold-down extension
- Allows the TU-15-9 to be used on Cummins® NTC, NTS, M11 and ISM model engines with the manufacturer's injector hold-down bracket
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1528



SPDTU1528

### Compression Test Adaptor for Detroit Diesel® Series Engines 50 and 60

- Use with diesel compression tester SPDTU15P
- Fits the injector well in the head and is held down with the injector's hold-down bracket
- For Detroit Diesel® series 50 and 60 engines used in medium and heavy-duty over-the-road trucks, off-highway trucks and vehicles, marine applications and industrial power generation
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU15-33



SPDTU15-33

### Diesel Compression Test Adaptor - M8-1.00

- Adaptor to be used with SPDTU15P compression test gauge
- Used on Kubota® vehicles D950, D902: D722, D1105, V1505 and V2203
- Commonly used on small industrial and commercial Kubota® diesel engines
- Adaptor threads into the glow plug hole in place of the glow plug.
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1535



SPDTU1535

### Diesel Compression Test Adaptor - M10-1.25

- Adaptor to be used with SPDTU15P compression test gauge
- Used on Duramax® 6.6 L turbo diesel engines (2005–present) and the Duramax® 6.6 L diesel engines used in 2005–2006 Hummer® H-1 Alfa models
- Screws into the spark plug hole in place of the spark plug
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU1538



SPDTU1538

### Diesel Fuel Pressure Adaptor-Compucheck

- To be used with 74438 gauge assembly
- Compucheck quick coupler socket with a male quick coupler plug
- Used to measure fuel pressure, check for air bubbles and bleed air from the fuel system on the 2005 family of diesel engines from Navistar®/International® VT365, DT466, DT570 and HT570. This gauge and adaptor combination is a new requirement from the Navistar® training center for dealerships to properly diagnose fuel system problems on the 2005 engines

SPDTU3225



SPDTU3225

- Can also be used for fuel restriction testing in previous International® model year engines
- Use with engines that have been retrofitted with Compucheck
- CA residents see page 365 for Proposition 65 warning. ⚠

## Fuel Injection Adaptor



OTC518487

### Inline Fuel Injection Adaptor for GM® Vehicles

- 16 mm x 1-1/2"

Applicable:

GM® vehicle Throttle Body Injection

OTC518487

## Fuel Injection Pressure Testers



### Fuel Injection Pressure Tester with both Schrader Adaptors

- Great starter tester; enables testing all cars with standard or small size Schrader valves
- Includes 3-1/2" special dual gauge (100 PSI and 7 bar) with F.I. manual
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU469



SPDTU469

### Filter Adaptor Set for GM® TBI® Engines, Including Manifold

- Adaptors cover all GM® TBI® cars for testing fuel pressure at the filter
- Great time-saver when comparing old style testing under the hood
- Selecting the same adaptors as the fuel filter, the adaptors then can be screwed onto manifold by hand, then manifold connects to fuel lines where fuel filter was
- Use with fuel injection testers and cleaners or others with a standard Schrader adaptor
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU26

SPD72315 Manifold Only



SPDTU26

# Fuel Injection and Compression Test Equipment

## Fuel Pump/Vacuum Testers

### Deluxe Vacuum and Fuel Pump Tester

- Makes diagnosing a wide variety of problems easy
- Comes complete with 2' of high-quality hose, plus three fittings to test all US and import cars and trucks with gasoline engines
- Large 3-1/2" four color, easy-to-read gauge with hook for versatility
- Range is 0–28"/0–70 cm vacuum and 0–10 PSI/0–7 kg/cm<sup>2</sup>
- Instructions and specifications included
- CA residents see page 365 for Proposition 65 warning. ⚠



SPDTU1P

### Standard Vacuum and Fuel Pump Tester

- Versatile diagnostic tool to test fuel pump pressure and all vacuum operated devices on all US and import cars and trucks with gasoline engines
- Heavy duty 2-1/2" gauge in four colors for easy reading
- Range is 0–28"/0–70 cm vacuum and 0–10 PSI and 0–7 kg/cm<sup>2</sup> pressure
- Complete with hose, fitting, instructions and specifications
- CA residents see page 365 for Proposition 65 warning. ⚠



SPDTU25P

### SPDTU25P

SPD73102 Adaptor, M10 with O-ring



SPD73102

## Injector Pump Wrench (6.2 L and 6.5 L Diesel Engines)

### 6.5 L Injection Pump Wrench for Chevrolet®, GM® and Hummer® Trucks

#### 6.5 L Injection Pump Wrench

- Custom bent to access the new 12-point injection pump retaining bolts as well as accessing the throttle, cruise and TV cables bracket

#### Applicable:

6.2 L–6.5 L diesel engines, and all Chevrolet®, GMC® and Hummer® trucks

KTMJ41089



KTMJ41089

## Injector Tools

### Fuel Injector Seal Tools

- Used for replacing the fuel injector Teflon seals on General Motors® 2.0 L and 3.6 L engines with Hitachi® fuel injectors (2010–2017) and 2.0 L, 2.5 L, 5.3 L and 6.2 L engines with Bosch®, Continental® and Delphi® fuel injectors (2012–2017)
- Also used on Subaru® (2014–2019) 2.0 L/2.4 L turbo engines
- Comes in protective plastic storage case
- Comparable to #EN-49245, #EN-51105 and #18683AA000
- Made in the USA



ASTGM245

#### Applicable:

GM® and Subaru® vehicles.

ASTGM245

### Injector/Chamber Tool Set for VW® and Audi® Vehicles

- Remove and install high-pressure injectors and combustion chamber seal
- Made in USA

#### Applicable:

VW®/Audi® (gas engines) with 1.8 L Turbo, 2.0 L Turbo, 3.0 L Supercharged, 3.2 L and 4.2 L (2005–2017)

ASTVW133SI



ASTVW133SI

## Noid Light

### Universal Noid Light

- Versatile tool tests throttle body injectors, ported fuel injectors and sequential central port injectors
- One person operation
- Attach tool to the car body or windshield with suction cup
- Swivel the probe fixture to the proper spacing to fit various widths
- View the noid light from the front seat while cranking the ignition
- Flashing light indicates normal pulses
- No light or constant light indicates a problem



LIL27800

LIL27800

LIL27870 Bulb

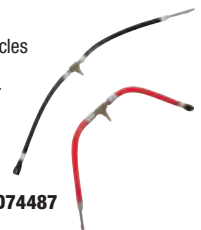
## Quick Disconnects

### 5/16" and 3/8" Quick Disconnects 1990–Newer

- For Chrysler® and GM® vehicles without a Schrader valve
- For metal and plastic disconnects found on the above vehicles
- For pressure testing and cleaning fuel injection systems
- Use with any of our fuel injection sets with a quick coupler
- CA residents see page 365 for Proposition 65 warning. ⚠

SPD74487

SPD74488 For Sets Without a Quick Coupler



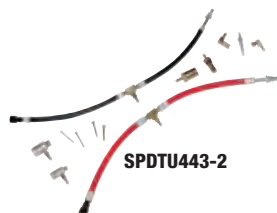
SPD74487

## Update/Expansion Kits

### Fuel Injection Update Kit II

- Updates Star Products™ SPDTU443, enabling gasoline fuel injection pressure tests on all major US and import vehicle platforms currently on the market
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU443-2



SPDTU443-2

### C.I.S./T.B.I. Adaptor Kit

- Most up-to-date test adaptor kit for C.I.S./T.B.I. gasoline fuel pressure testing
- Adaptor to test C.I.S./T.B.I. applications
- Works in conjunction with Star Products™ SPDTU550 to cover all major US and import vehicle platforms currently on the market
- CA residents see page 365 for Proposition 65 warning. ⚠

SPDTU5402



SPDTU5402



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**Made with USA Steel  
Manufactured in USA**



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Information

# Hand Tools

## Accessories

### Master Ratchet Accessory Kit

- Set includes several of the popular sockets and adaptors available from Cal-Van
- All the items you need to get to tight access areas, around corners, and adapt sockets to step up and down
- CA residents see page 365 for Proposition 65 warning. ⚠

#### HRR48100 Kit

##### Includes:

- HRR482** 1/4" Gearless Angle Drive
- HRR483** 3/8" Gearless Angle Drive
- HRR488** 1/4–3/8" Twin Spin Converter
- HRR489** 3/8–1/2" Twin Spin Converter
- HRR906BL** Finger Bit Driver



**HRR48100**

### Grip-It Extension Grip Collar

- Installed on 1/4", 3/8" or 1/2" drive extensions, giving the technician a firm finger grip on the extension to easily remove fasteners
- Manufactured of an automotive chemical-resistant compound for long life
- Header card display included
- Ratchet extension not included

**THX463** 3 Strips (10 bags per strip, 4 per bag)  
1/4", 3/8" and 1/2"

**THX463-25** 1 Strip (10 bags per strip, 4 per bag) 1/4"

**THX463-38** 1 Strip (10 bags per strip, 4 per bag) 3/8"

**THX463-50** 1 Strip (10 bags per strip, 4 per bag) 1/2"



**THX463-25**

## Axes

### Fiberglass Flathead Axe

- High strength fiberglass handle is UV, moisture, and chemical resistant
- Forged high carbon steel head features resharpenable cutting edge
- Fiberglass handles are 4x stronger than wood
- Grips are cushion or SuperGrip style
- Made in USA with US and foreign components

**NUP31688** 6 lb 36" Super Grip



**NUP31688**



## Bit Ratchets

### 1/4" Stubby Combination Drive

- Custom reversible switch
- Low profile thumb wheels
- Push button quick-release
- Flexible heads at each end
- Great for tight spots
- 4" L
- Chrome finish
- 1/4" square drive on one side
- 1/4" bit drive on one side

**EZR4S04**



**EZR4S04**



## Cable Cutters

### Heavy Duty Cable Cutter

- Cuts cable up to 3/4" in diameter
- 14" handle length
- Carbon-steel blades
- Insulated handle

**EZRB798**



**EZRB798**

### ErgoStrip®

- Fast and precise dismantling and stripping of all common round and damp-proof installation cables
- Innovative, ergonomic pistol grip design for easy cutting, stripping and longitudinal cutting of the sheath
- Conical, slim tool ends for better access in confined areas
- Stripping holes for 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm²

**KNX169501SB**



**KNX169501SB**

### 8" Double Jaw Cable Shear

- Shearing action provides precise cutting of copper or aluminum cable (not for steel or hard drawn copper conductors)
- Double jaw design offers greater capacity, up to 3/4" battery cable
- Precision ground cutting edges allow for easy one-handed cutting
- For use with single- or multi-strand cable

**KNX9511200**



**KNX9511200**



## Clamps: Locking (Regular Tips)

### 6R® Locking Clamp

- 6"/150 mm locking clamp with regular tips

**VSG6R** 6" Welding Clamp

**VSG19T** 11" Locking C-Clamp with Regular Tips



**VSG19T**

### 9DR® Locking Clamp

- 9"/225 mm locking clamp with regular tips

**VSG9DR**



**VSG9DR**

### 11R® Locking Clamp

- 11" Locking C-Clamp with Regular Tips

**VSG11R**



**VSG11R**

### 18DR® Locking Clamp

- 18"/455 mm locking clamp extended throat with regular tips

**VSG18DR**



**VSG18DR**





## Clamps: Locking (Regular Tips)



**VSG18R**

### 18R° Locking Clamp

- 18"/455 mm locking clamp with regular tips

**VSG18R** 18R° Locking Clamp



**VSG19T**

### Fast-Release Locking Clamp

**VSG19T** 11" Locking C-Clamp with Regular Tips



**VSG24R**

### 24R° Locking Clamp

- 24"/605 mm locking clamp with regular tips

**VSG24R** 24R° Locking Clamp

### 5 pc Locking Clamp Set

- High grade alloy steel, heat-treated for maximum durability
- Wide opening jaw provides greater versatility in clamping a variety of shapes
- Adjusting screw for exacting pressure: turn screw to adjust pressure and fit; stays adjusted for repetitive use
- Guarded release trigger protects from accidental release
- Releases quickly

**VSG74** Set

**Includes:**

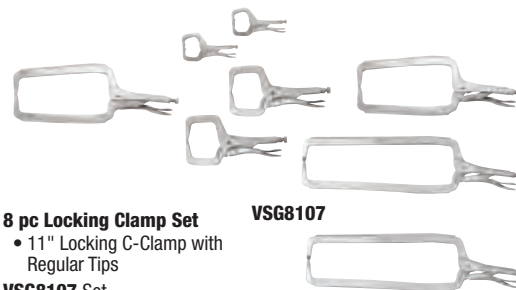
**VSG10R** 10" Straight Jaw Locking Pliers

**VSG11R** 11" Locking C-Clamp with Regular Tips

**VSG6R** 6" Welding Clamp



**VSG74**



### 8 pc Locking Clamp Set

- 11" Locking C-Clamp with Regular Tips

**VSG8107** Set

**Includes:**

**VSG11R** 11" Locking C-Clamp with Regular Tips

**VSG8107**

**VSG18R** 18R° Locking Clamp

**VSG24R** 24R° Locking Clamp

**VSG6R** 6" Welding Clamp

## Clamps: Locking (Special Application)



**VSG07**

### RR° Locking Pinch Off Tool

- 7"/175 mm

**VSG07**



**VSG8R**

### 8R° Locking Sheet Metal Tool

- 8"/200 mm

**VSG8R**



**VSG9R**

### 9R° Locking Welding Clamp

- 9"/225 mm

**VSG9R**



**VSG9AC**

### 9AC° Locking Panel Clamp

- 9"/225 mm

**VSG9AC**

### 20R° Locking Chain Clamp

- 9"/225 mm

**VSG20R**



**VSG20R**

## Clamps: Locking (Swivel Pads)



**VSG4SP**

### 4SP™ Locking Clamp

- 4"/100 mm locking clamp with swivel pads

**VSG4SP**



**VSG6SP**

### 6SP™ Locking Clamp

- 6"/150 mm locking clamp with swivel pads

**VSG6SP**



**VSG9SP**

### 9SP™ Locking Clamp

- 9"/225 mm locking clamp with swivel pads

**VSG9SP**



**VSG11SP**

### 11SP™ Locking Clamp

- 11"/275 mm locking clamp with swivel pads

**VSG11SP**



**VSG18SP**

### 18SP™ Locking Clamp

- 18"/455 mm locking clamp with swivel pads

**VSG18SP**



**VSG24SP**

### 24SP™ Locking Clamp

- 24"/605 mm locking clamp with swivel pads

**VSG24SP**

# Hand Tools

## Combination Sets

### 10 pc Combination Locking Set

- High grade alloy steel, heat-treated for maximum durability
- Hardened teeth designed to grip at any angle
- Locking wrench (VSG7LW) jaws lock onto three sides of a hex fastener and will not slip or mar
- Adjusting screw for exacting pressure, turn screw to adjust pressure and fit
- Stays adjusted for repetitive use
- Guarded release trigger protects from accidental release
- Releases quickly

**VSG1078KB** Set

#### Includes:

**VSG10R** 10" Straight Jaw Locking Pliers  
**VSG4935576** 10" Curved Jaw  
**VSG4935578** 7" Curved Jaw  
**VSG7R** 7" Straight Jaw Locking Pliers  
**VSG7WR** 7" Curved Jaw Locking Pliers with Wire Cutter

IRWIN  
VISE-GRIP



**VSG1078KB**

### 10 pc Locking Set with Tray

- High grade alloy steel, heat-treated for maximum durability
- Hardened teeth designed to grip at any angle
- Adjusting screw for exacting pressure, turn screw to adjust pressure and fit
- Stays adjusted for repetitive use
- Guarded release trigger protects from accidental release
- Releases quickly

**VSG1078TRAY** Set

#### Includes:

**VSG10R** 10" Straight Jaw Locking Pliers  
**VSG11R** 11" Locking C-Clamp with Regular Tips  
**VSG4935576** 10" Curved Jaw  
**VSG4935578** 7" Curved Jaw  
**VSG5WR** 5" Curved Jaw Locking Pliers with Wire Cutter  
**VSG6LN** 6" Long Nose Locking Pliers  
**VSG6R** 6" Welding Clamp  
**VSG7R** 7" Straight Jaw Locking Pliers  
**VSG7WR** 7" Curved Jaw Locking Pliers with Wire Cutter  
**VSG9LN** 9" Long Nose Locking Pliers



**VSG1078TRAY**

### 10 pc Combination Set, Fast-Release

**VSG1078TRT** Set

#### Includes:

**VSG01T** 10" Straight Jaw  
**VSG03T** 7" Straight Jaw

**VSG05T** 10" Curved Jaw Locking Pliers with Wire Cutter

**VSG07T** 7" Curved Jaw with Wire Cutter

**VSG09T** 5" Curved Jaw with Wire Cutter

**VSG14T** 6" Long Nose

**VSG19T** 11" Locking C-Clamp with Regular Tips



**VSG1078TRT**

### 6 pc Fast-Release Tool Set

- Release is controlled and can be operated with one hand
- Easy-to-open from any angle by simply pulling; no need to put pressure on a trigger
- Holds up under extreme conditions such as welding and hammer strikes
- Better accommodates large hands and professionals like welders who wear gloves
- Elimination of trigger means no pinching during release
- Patent makes this technology exclusive
- Vise-Grip® is the original locking tool
- Includes vinyl roll bag

**VSG2076709** Set

#### Includes:

**VSG05T** 10" Curved Jaw Locking Pliers with Wire Cutter

**VSG07T** 7" Curved Jaw with Wire Cutter

**VSG09T** 5" Curved Jaw with Wire Cutter

**VSG14T** 6" Long Nose

**VSG19T** 11" Locking C-Clamp with Regular Tips



**VSG2076709**

### 5 pc Fast-Release Locking Pliers

**VSG538KBT** Set

#### Includes:

**VSG01T** 10" Straight Jaw

**VSG07T** 7" Curved Jaw with Wire Cutter

**VSG09T** 5" Curved Jaw with Wire Cutter

**VSG11T** 10" Curved Jaw

**VSG14T** 6" Long Nose



**VSG538KBT**

### 5 pc Locking Pliers Set

- High grade alloy steel, heat treated for maximum durability
- Hardened teeth designed to grip any angle; broached for maximum durability
- Adjusting screw for exacting pressure, turn screw to adjust pressure and fit; stays adjusted for repetitive use
- Guarded release trigger protects for accidental release. Releases quickly

**VSG68** Set

#### Includes:

**VSG10R** 10" Straight Jaw Locking Pliers

**VSG5WR** 5" Curved Jaw Locking Pliers with Wire Cutter

**VSG6LN** 6" Long Nose Locking Pliers

**VSG7WR** 7" Curved Jaw Locking Pliers with Wire Cutter



**VSG68**



## Combination Sets

### 7 pc Locking Pliers Set

- High grade alloy steel, heat-treated for maximum durability
- Hardened teeth designed to grip at any angle
- Locking wrench (VSG7LW and VSG10LW) jaws lock onto three sides of a hex fastener and will not slip or mar
- Adjusting screw for exacting pressure, turn screw to adjust pressure and fit
- Guarded release trigger protects from accidental release

**VSG757KB Set**

### Includes:

- VSG10WR** 10" Curved Jaw Locking Pliers with Wire Cutter
- VSG12L3** 12" Large Jaw Locking Pliers
- VSG5WR** 5" Curved Jaw Locking Pliers with Wire Cutter
- VSG6LN** 6" Long Nose Locking Pliers
- VSG7WR** 7" Curved Jaw Locking Pliers with Wire Cutter

IRWIN  
**VISE-GRIP**



**VSG757KB**

### 7 pc Fast-Release Locking Pliers Set

- Straight jaw provides maximum contact on flat, square or hex work
- Hardened teeth designed to grip from any angle
- Broached for maximum durability
- High grade alloy steel heat-treated for maximum durability
- Adjusting screw provides exacting pressure, maintains pressure for repetitive use
- Easier controlled opening release and can be opened with one hand
- Two times easier to open from any angle by simply pulling, no need to put pressure on a trigger
- More finger room better accommodates large hands and professional welders who wear gloves
- No pinch points; elimination of trigger means no pinching during use

**VSG757KBT Set**

### Includes:

- VSG01T** 10" Straight Jaw
- VSG03T** 7" Straight Jaw
- VSG05T** 10" Curved Jaw Locking Pliers with Wire Cutter
- VSG07T** 7" Curved Jaw with Wire Cutter
- VSG09T** 5" Curved Jaw with Wire Cutter
- VSG14T** 6" Long Nose



**VSG757KBT**

## Cutters

### 3 pc High Leverage Diagonal Cutter Set

- High leverage cutting design requires less operator effort
- Precision mated induction-hardened cutting knives (64 HRC) provide outstanding cutting performance
- All cutters feature a forged-on axle for easier cutting of hardened materials and longer tool life
- Angled head model (8") offers greater hand clearance when cutting on a parallel surface
- All cutters are forged from chrome vanadium heavy-duty steel; multi-stage oil-hardened

**Set Includes:** 6-1/4" and 10" straight head diagonal cutters and an 8" angled head (12°) diagonal cutter

**KNX002005US**



**KNX002005US**

### 8" High Leverage Mini Bolt Cutters with Jaw Notch

- Compound lever action provides cutting performance 20 times the applied hand force
- Jaw notch holds cutting material in best position to maximize cutting power
- Cutting edges are induction-hardened (64 HRC)
- Cuts up to 1/4" soft wire and 5/32" hard wire

**KNX7131200**



**KNX7131200**

### 10" High Leverage Cutters

- For powerful cutting of larger cross-sections as well as very hard materials
- Two-hand operation for maximum cutting force
- 60% less effort required compared to high leverage diagonal cutters of the same size

**KNX7101250**



**KNX7101250**

### 6" Compact Mini Bolt Cutter

- Extremely high cutting performance in a convenient length of 6-1/4"
- High leverage design gives 20x the applied hand force
- Cuts bolts, nails, rivets, etc. up to 13/64"
- Induction-hardened cutting edges approx. 64 HRC
- Lasered cutting edge prevents material from slipping
- Small, slim head for better access to confined areas

**KNX7101160**



**KNX7101160**

### 7" End Cutters

- Cuts soft and hard wire with minimal effort
- Head shape provides optimized movement when tightening steel mesh knots during reinforced concrete work
- Cutting edges are induction-hardened separately (61 HRC)
- Cuts up to 5/32" soft wire and 3/32" hard wire
- Also suitable for twisting and cutting binding wire

**KNX6801180**



**KNX6801180**

### KNIPEX CoBolt® XL Compact Bolt Cutter

- For powerful cutting of larger cross-sections as well as very hard materials
- Two-hand operation for maximum cutting force
- 40-fold increase of manual force due to special joint design
- With gripping surface below the joint for gripping and pulling wires with a diameter from 3/64"
- Induction-hardened precision blades: cutting edge hardness approx. 64 HRC
- Chrome vanadium heavy-duty steel; forged, multi-stage oil-hardened
- Blades with recess for easier cutting of larger cross-sections due to better leverage close to the fulcrum

**KNX7131250**



**KNX7131250**

# Hand Tools

## Cutters

### 8" High Leverage Angled Mini Bolt Cutters with Jaw Notch

- 20° angled jaws provide greater hand clearance
- Angled jaws offer a near flush cut finish
- Compound lever action provides cutting performance 20 times applied hand force; incredible cutting power for an 8" tool
- Jaw notch holds cutting material in best position to maximize cutting power
- Designed to cut rivets, nails and small bolts with minimum effort
- Cuts up to 1/4" soft wire and 5/32" hard wire



KNX7141200

KNX7141200

### 6-1/4" Flush Cutting Pliers

- Non-beveled edge provides a true flush cut
- Perfect for cutting plastic ties and other soft material
- Spring-assisted handles are easier to use
- Made from vanadium steel; forged, multi-stage oil-hardened in multiple steps



KNX7201160

KNX7201160

### TwinForce 7" Super High Leverage Diagonal Cutter

- Innovative, patented double-hinged design provides maximum cutting power
- Unique design can be used to cut thicker materials using a repetitive cutting process
- Compact size 7" is convenient to use in confined work areas
- High transmission ratio results with less strain on hand muscles and reduces hand fatigue
- Cutting capacity for hardened piano wire is 3 mm or nominal 1/8" using a single cut or 4 mm or nominal 5/32" using a repetitive cut
- Forged from heavy-duty chrome vanadium steel for greater strength



KNX7371180

KNX7371180

### 7-1/4" High Leverage Diagonal Cutter

- For very tough, continuous use
- High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- Precision cutting edges (cutting edge hardness approx. 64 HRC) cuts several types of wire including piano wire
- Chrome vanadium heavy-duty steel; forged, multi-stage oil-hardened



KNX7401180

KNX7401180

### Electrical Super Knips Pliers

- Precision pliers for ultra-fine cutting work, i.e., in electronics and fine mechanics
- Ground, very sharp cutting edges without bevel for flush cutting
- Precision shaped tips cut wires resting on a board from 1/64" diameter
- Joint with stainless steel rivet
- Cutting edges induction-hardened approx. 54 HRC
- Extremely smooth movement for minimum operator fatigue with opening spring and opening limiter
- INOX® stainless steel



KNX7803125

KNX7803125

### 5-1/2" Flush Cutter

- 5-1/2" ideal pocket size flush cutter
- Provides a fully flush cut when working on zip ties underneath the dashboard
- Cuts tie-wraps, plastic and soft metals
- Opening spring for easy use on repetitive cuts

KNX7201140



KNX7201140

### 7-1/4" Flush Cutter

- Provides a fully flush cut when working on zip ties underneath the dashboard
- Cuts tie-wraps, plastic and soft metals
- Opening spring for easy use on repetitive cuts

KNX7201180



KNX7201180

### High Leverage Cutters

- High leverage design
- Induction-hardened cutting edges
- Forged-on axle design
- New ergonomic "KNIPEX® COMFORT" handles

KNX7401160 6" Straight Cutter

KNX7401200 8" Straight Cutter

KNX7401250 10" Straight Cutter

KNX7421200 8" L, Angled Cutter

KNX7421250 10" Angled Cutter

KNX7491250 10" Straight Cutter



KNX7491250



KNX7421200



KNX7401160



KNX7401200

### High Leverage Diagonal Cutter with Comfort Handle

- 2-component ergonomic handles (hard and soft surfaces) provide better grip and improve comfort
- Induction-hardened cutting edges (64 HRC) makes cutters suitable for cutting hardened wire
- Forged-on axle rivet increases cutter's life

KNX7402200 8" Straight Cutter

KNX7402250 10" Straight Cutter

KNX7422200 8" Angled Cutter

KNX7422250 10" Angled Cutter



KNX7402250

### 5 1/2" Electronics Super Knips XL

- For ultrafine cutting work, e.g., in electronics, fine mechanics and in particular for cutting cable ties to length
- Shear cut with controlled micro cutting edge for the most precise cutting of even the thinnest of wires and for a long service life
- Precision shaped tips cut wires resting on a board from 1/64" diameter.
- Extremely smooth movement for minimum operator fatigue
- With opening spring and opening limiter
- Cutting edge hardness approx. 54 HRC

KNX7803140



KNX7803140

## Cutters

### 7-1/2" Wire Rope Cutter

- Angular offset blades provide a clean cut of coated or uncoated wire rope up to 9/32" diameter
- Will not distort wire ends
- Integrated internal spring makes the tool open into the hand and makes repetitive cutting much easier
- Locking screw joint keeps cutting jaws and handles in closed position for storage
- Integrated crimping profiles for Bowden sleeves and wire ropes
- Forged from chrome vanadium heavy-duty steel, manifold oil-hardened

**KNX9561190**



**KNX9561190**

### 6 1/4" Wire Rope Cutter

- For cutting high-strength wire ropes up to 5/32" (4 mm) and cable 3/16" (6 mm)
- At just 6-1/4" (160 mm) in length, considerably more powerful than many larger wire rope cutters
- Cuts cleanly and evenly without wire ends splaying or fanning out
- Ball bearing steel for a long service life
- Cutting edges hardened to approx. 61 HRC
- Includes thumb lock and opening spring

**KNX9562160**



**KNX9562160**

### 2 pc High Leverage 10: Diagonal Cutter Set

- With integrated forged-on joint axle
- High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- Precision cutting edges induction-hardened (approx. 64 HRC) for all sorts of wire including piano wire
- 20% less effort required when compared to conventional diagonal cutters of the same length

**KNX9K80129US**



**KNX9K80129US**

### 2 pc Flush Cutter Set

- Includes KNX7201140 5-1/2" flush cutter
- Includes KNX7201180 7-1/4" flush cutter
- 2 pc set provides tools for a true flush cut on zip ties, plastic and soft metals

**KNX9K8090US**



**KNX9K8090US**

## Deburring Tools



**FFL72483777**

### 4 pc Deburring Cutter Set

- Features four (4) separate color-coded cutters for aluminum, brass, steel and plastic
- Colored sleeves rotate to lock and unlock blades for easy changing
- Unique rounded head blades for safe deburring of drilled and machined holes, end milled areas, tubing, backside of holes and an almost unlimited amount of uses
- Curved blades swivel freely to automatically follow shapes, contours and holes

**FFL72483777 Set**

**Includes:**

**FFL52483016** Aluminum – 10 pk

**FFL52483018** Straight Edge – 10 pk



**FFL72483888**

### Universal Deburring, Cleaning and Countersink Set

- Combined in a compact molded case
- Set Includes:** (1) Universal handle (2) Adaptors (2) Deburring blades (1) Countersink for 20 mm/.47" diameter (1) Countersink for 30 mm/1.18" diameter (4) Cleaner blades for sheet metal, small ridges, relieving corners and for narrow slots

**FFL72483888**



**SET99**

### 3-in-1 Tool

- Deburring tool
- Carbide-tipped scriber
- Magnet
- Pen clip

- Small enough to carry in a pocket

**SET99**

## Drill Bit Extensions



**VSG4935703**

**TS**

### Lock-n-Load® Quick Change Extension

- 1/4" quick change bit holder
- Fits 7/16"-1-1/4"
- 2" overall length
- Carbon-steel sleeve and body for durability and long life
- Lock and load system for one-hand quick-release
- Patented jaw design holds bits securely on 6-flatted shanks, as well as ball detent bits

**VSG4935703 2.5"**

## Extractor Tools

### 10 pc Stripped Screw Extractor Set

- Ten sizes of extractors fit TORX® and TORX Plus®

**LIL61980**

**LIL62020** Stripped Screw Extractor (No.2)

**LIL62030** Stripped Screw Extractor (No.3)

**LIL62050** Stripped Screw Extractor (No.5)



**LIL61980**

### Internal Hex Extractors

- Extractors fit Torx® and Torx Plus® T/TP-10
- Internal Hex 7/64" (3 mm)
- Drill Size 7/64"
- CA residents see page 365 for Proposition 65 warning. ⚠

**LIL62010** Stripped Screw Extractor (No.1)

**LIL62070** Extractor #7 Internal Hex 1/4" (6 mm)

**LIL62080** Extractor #8 Internal Hex 5/16" (8 mm)

**LIL62100** Extractor #10 Internal Hex 1/2" (13 mm)



**LIL62010**

# Hand Tools

## Extractor Tools



LIL62090

### 4 pc Stripped Screw Extractor Set

LIL62090 Extractor #9 Internal Hex 3/8" (10 mm)



PMXPTE120

### GM® LS Engine Oil Dipstick Tube Extractor

- Precision machine turned solid stainless steel
- Proprietary taper and aggressive thread size and pitch assures tool to bite into damaged oil dipstick tube
- Includes tapped hold for use with slide hammer or panel puller
- One year warranty
- Made in USA

PMXPTE120



PMXPTE400

### Cummins® Turbo Oil Line Return Extractor

- Precision machine turned solid stainless steel
- Proprietary taper and aggressive thread size and pitch assures tool to bite into damaged turbo oil return line tube
- Includes tapped hold for use with slide hammer
- One year warranty
- Made in USA

PMXPTE400

## Files

### Swiss Pattern Needle File Set

- Fine precision cutting tools used by tool and die makers, model makers, delicate instrument and part finishers for a variety of filing jobs
- Made to closer tolerances than American pattern files
- Primarily finishing tools for removing burrs, truing narrow grooves, notches, keyways, cleaning corners, smoothing small parts and similar jobs

FFL75130062



FFL75130062

### Swiss Pattern Needle File Set

- Designed to meet the needs of hobbyists, craftsmen, tool makers and jewelers
- Every file made from alloy steel and machined into distinctive shapes for various small scale and finishing applications
- Files 5-1/2" L with 1/8" diameter shanks
- Exclusive Versa-Grip® handle with a locking screw chuck
- Knurled file shanks can be used without the included handle
- Packaged in a vinyl pouch for storage

**Set Includes:** 12 files: warding (flat), round, three square, equaling (mill), square, half round, crossing, oval, knife, barrette, slitting and joint edge round

GNH707475



GNH707475

### 8" Diamond File Set

- 4 pc set of premium industrial files (round, half round, flat, square)
- Many times harder and cuts 10 times faster than conventional files
- Cuts in all directions with smooth action into hardened surfaces that other files cannot
- 12" overall length with 8" blade
- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8108

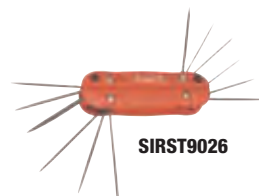


IPA8108

### Mini Fold-Up File Kit

- Each file flips open and is secured in a spring-loaded latch mechanism
- File housing is ergonomically correct which comfortably fits with the palm of the hand
- 12 fine files include: round, half round, triangle, flat, knife, barrette, slitting, marking, crossing, equalizing, jointing and marking

SIRST9026



SIRST9026

## Flex Drivers

### Flex Driver

- Multi-purpose adjusting tool
- Compact design
- Easily maneuvers in tight work places
- Overall length 11-1/2"

SET45



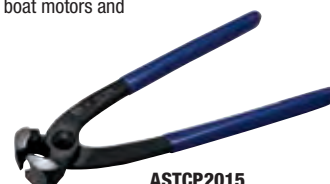
SET45

## Fuel Hose Clamp

### Fuel Hose Clamp Crimping Pliers

- Used to crimp BMW® vehicle fuel hose clamps
- Pliers are also used on some outboard boat motors and some lawn mower applications

ASTCP2015



ASTCP2015



## Hollow End Line Taps



KCT991

### 8 pc Hollow End Line Taps Set

**Problem:** A/C and hydraulic line fitting threads become corroded over time and are damaged in disconnect process requiring complete line removal to repair.

**Solution:** Hollow end line taps rethread female fittings without line removal. Hollow end of tap slides over flared end of line easily, rethreading female connector.

- Use on A/C, heavy-duty brake, oil, trans and heater lines and coils

**KCT991 Set**

**Includes:**

**KCT991-1-1/8** 1-1/8"

**KCT991-22MM** 22 mm

**KCT991-27MM** 27 mm

**KCT991-CASE** Case

## Hooks and Picks



LIL80380

### 5 pc Hose Remover Set

- Contains long and short, standard and offset hooks; can be used to remove hoses, moldings, clips, clamps, seals, O-rings, cotter pins, gaskets, etc.
- Long pullers are 13" L
- Handles are dual durometer material for comfort and grip
- Rods are heat-treated for strength and plated for durability

**LIL80380 Set**



SIRST9027

### 12-in-1 Fold Up Mini Pick Set

- Great for removing powertrain oil seals, clips, washers, fuses or adjusting and retrieving small, delicate parts
- Spring-loaded lock with press button release
- Slide apart action
- Ergonomically correct
- 90°, straight, curved, complex, twist, small hook, 60°, hook, small complex, double angle, combination and small double angle hooks

**SIRST9027**

## Impact Drivers

### 1/4" Driver with Quick Lock Adaptor

- 1/4" female hex drive
- Quick locking/disconnect adaptor
- Compact design
- Non-slip grip handle
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8002**



IPA8002



### Impact Tools

- Loosens rusted, frozen nuts, bolts and screws
- Unique design delivers over 200' of "Shock Torque"
- Can be reversed to tighten
- Can also be used with impact sockets
- 1/2" sq. drive with 1/2" drive bit holder, #1, #2, #3, #4 PHILLIPS® and 3/8" straight slot bits

**LIL30200 Set**

**Includes:**

**LIL29550** #3 PHILLIPS® Bit

**LIL29630** #1 PHILLIPS® Bit

**LIL30000** 1/2" Impact Tool

**LIL30150** 1/2" Bit Holder

**LIL30170** 3/8" Straight Slot Bit

**LIL30180** #2 PHILLIPS® Bit

**LIL30190** #4 PHILLIPS® Bit



LIL30200

## Insulated Tools



KNX0908240US

### 9-1/2" Insulated High Leverage New England Style Lineman's Pliers

- Meets ASTM® and IEC® standards for insulated tools
- Two component, two color high visibility handles provide fast and easy recognition
- New England style, heavy-duty head offers more power
- Articulated joint and high transmission ratio for easier cutting; requires 50% less effort compared to conventional lineman's pliers
- Longer length (9-1/2") improves cutting leverage and overall reach
- Jaws feature a cross-serrated design for outstanding holding and gripping
- Second gripping zone (beneath jaws) offers greater leveraging and squeezing power
- Induction-hardened cutting edges (64 HRC) will cut hard and soft wire, ASCR, bolts, nails, screws and hardened steel wire (up to 1/8")

**KNX0908240US**



KNX2618200US

### 8" Insulated Long Nose Pliers with Cutter

- Meets ASTM® and IEC® standards for insulated tools
- Two component, two color high visibility handles provide fast and easy recognition
- Special steel construction offers greater jaw flexibility minimizing tip breakage
- Serrated gripping surfaces provide outstanding holding and gripping capability
- Integrated cutter for cutting soft to hard wire up to 3/32"

**KNX2618200US**

# Hand Tools

## Insulated Tools

### 10" Insulated High Leverage Diagonal Cutter

- Meets ASTM® and IEC® standards for insulated tools
- Two component, two color high visibility handles provide fast and easy recognition
- Forged-on axle for easier cutting of hardened materials and longer tool life
- Precision, induction-hardened cutting edges (64 HRC) provide outstanding cutting performance
- High leverage cutting design requires less operator effort
- Forged from chrome vanadium heavy-duty steel, multi-stage oil-hardened



KNX7408250US

KNX7408250US

### 5 pc Insulated Tools Set

- Contents include: 10" Alligator® pliers, 10" high leverage diagonal cutter, 4" and 6" slotted screwdrivers and a 4" PHILLIPS® #2 screwdriver
- All tools are individually tested and meet ASTM® 1505-01 and IEC® 900 standards
- High visibility, two component handles for fast and easy identification
- All tools are manufactured, tested and certified in the same facility for enhanced quality control
- Basic auto technician's insulated tool kit for hybrid cars



KNX9K989820U

KNX9K989820U

### 10 pc Insulated Tools Set

- All tools are individually tested and meet ASTM® 1505-01 and IEC® 900 standards
- High visibility, two component handles for fast and easy identification
- All tools are manufactured, tested and certified in the same facility for enhanced quality control
- Packed in an ABS-molded plastic carrying case with handle for maximum tool protection and convenience



KNX9K989831U

**Set Includes:** 10" Alligator® pliers, 10" high leverage diagonal cutter, 8" long nose pliers, 6-1/2" cable shear, 4" and 6" slotted screwdrivers, 3 1/4" PHILLIPS® #1 and 5" PHILLIPS® #2 screwdrivers and 4" #2 square drive screwdriver

KNX9K989831U

### 10" Insulated Alligator® Pliers

- Meets ASTM® and IEC® standards for insulated tools
- Two component, two color high visibility handles provide fast and easy recognition
- Self-gripping jaw design will not slip off the work piece or "round off" nuts and bolts
- Box-joint design with a double handle guide provides greater stability in use
- Forged from chrome vanadium electric multi-stage oil-hardened steel for lighter weight and longer life



KNX8808250US

KNX8808250US

### 7 pc Intermediate Insulated Tools Set

- All tools are individually tested and meet ASTM® 1505-01 and IEC® 900 standards
- High visibility, two component handles for fast and easy identification
- All tools are manufactured, tested and certified in the same facility for enhanced quality control
- Packed in a heavy-duty woven nylon tool roll for maximum tool protection



KNX9K989826U

**Set Includes:** 10" Alligator® pliers, 10" high leverage diagonal cutter, 8" long nose pliers, 9-1/2" high leverage lineman's pliers, 5" slotted screwdriver, 4" PHILLIPS® #2 screwdriver and 5" #2 square drive screwdriver

KNX9K989826U

### 6-1/2" Insulated Cable Shears

- Meets ASTM® and IEC® standards for insulated tools
- Two component, two color high visibility handles provide fast and easy recognition
- Meant to cut copper and aluminum wire only; not meant to cut steel
- Offset cutting design provides precise clean cuts without deforming or crushing wire
- Capacity: up to 5/8" romex, 12-3 electrical wire, AWG 1/0



KNX9518165US

KNX9518165US

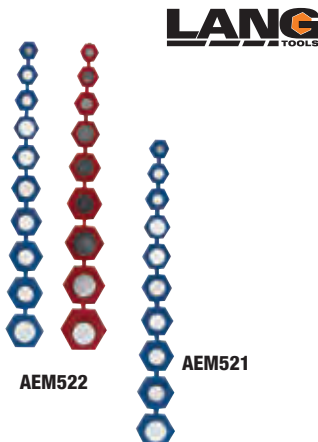
## Magnetic Socket Inserts

### Magnetic Socket Inserts

- Insert firmly holds fastener in socket
- Prevents fasteners from dropping into restricted areas
- Insert can be left in or removed for use in other sockets

**AEM521** 10 pc Metric Set 10–19 mm

**AEM522** 19 pc Set – Includes Both Standard and Metric Sets



AEM522

AEM521

## Magnetizer/Demagnetizer

### Screwdriver Magnetizer/Demagnetizer

- Quickly and easily magnetize small tools so they attract screw or nuts for easy starting and removing
- Separate slots for magnetizing and demagnetizing
- Perfect for do-it-yourselfers, mechanics and electricians

MMG07524



MMG07524

## Mirrors

### 18" Flex Inspection Mirror

- On/Off switch controls light
- Makes thorough inspection possible
- Push or pull the thumb knob for up to 90° mirror angle adjustment
- Light floods work area
- 4x mirror
- (2) AA batteries (included)

JSP05180A



## Panel Clips

### Multi-Clip Pliers

- Specially designed curved head allows the user to apply leverage to remove clips with ease
- Intended for disassembly of clips, this tool also doubles as a cutting tool for removing tubing or plastic zip ties
- Durable high-carbon steel body ensures this tool will last a long time

DFXDF625

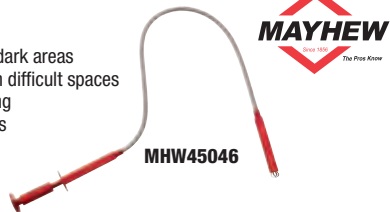


## Pick-Up Tools (Claws)

### Lighted Pickup Claw

- Reach and retrieve in confined, dark areas
- 22" flexible shaft to maneuver in difficult spaces
- Four (4) strong claws for grabbing
- LED light to illuminate dark areas

MHW45046



### Flexible Mechanical Finger

- 48" L
- 4-jaw flexible mechanical finger
- Grab and pick up small out-of-reach parts

SET7484BF



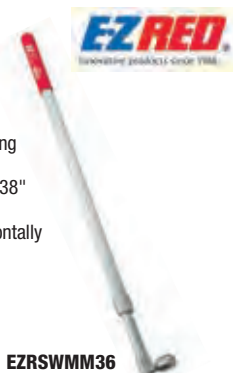
SET7484BF

## Pick-up Tools (Magnetic)

### Swivel Magnet

- Exclusive 360°, locking swivel magnet
- Telescopes from 22–38"
- Neodymium magnet
- Lift up to 10 lb horizontally or vertically

EZRSWMM36



MHW45048

### MayheW® Select Flexible Lighted Pickup Tool

- Extends from 8–25"
- Magnetic on both ends
- Flexible shaft
- Three LED lights

MHW45048

TS

### Flex Wire Magnet

- 20" overall length
- 5" aluminum handle
- Small but powerful
- 14" flexible copper section

SET900WF



SET900WF

## Pilot Lighters

### Telescoping Pilot Lighters

SETPL01MAG Magnetic Base



SETPL01MAG

## Piston Ring Compressor

### Piston Ring Compressor Pliers

- Use to install pistons from 2-5/8–5-7/8" (67–149 mm) in diameter
- Self-locking ratchet allows you to compress rings in small increments
- Can be used parallel or perpendicular to the cylinder block on most bands

KDT1114D



KDT1114D

### Piston Ring Compressor Set

KDT1119D 2-7/8–3-1/8" (73–79 mm)

KDT1120D 3-1/8–3-3/8" (79–85 mm)

KDT1121D 3-3/8–3-5/8" (85–92 mm)

KDT1122D 3-5/8–3-7/8" (92–98 mm)

KDT1123D 3-7/8–4-1/8" (98–104 mm)

KDT1124D 4-1/8–4 3/8" (104–111 mm)

KDT1125D 4-3/8–4-5/8" (111–117 mm)



KDT1119D

# Hand Tools

## Pliers: Alligator®

### Alligator® Pliers

- Self-gripping jaws for fast operation with one-handed downward pressure; no handle squeezing necessary
- Parallel jaw shape grips fasteners on four sides to prevent rounding; will not slip off work piece
- Forged stop prevents operator's fingers from being pinched
- Thin profile for access to confined spaces
- Made from chrome vanadium electric steel, multi-stage oil-hardened for greater strength

**KNX002007US1** 7-1/4", 10", 12" L, 3 pc Set

**KNX8801180** 7-1/4" L, 1-1/2" Capacity

**KNX8801250** 10" L, 2" Capacity

**KNX8801300** 12" L, 2-3/4" Capacity



**KNX8801180**

### 16" Alligator® Pliers

- Up to 3-3/4" jaw capacity
- 11-position adjustment assures a precise fit
- Self-gripping jaws for fast operation and one-handed downward pressure; no handle squeezing necessary
- Parallel jaw shape grips fasteners on four sides to prevent rounding; will not slip off the work piece
- Forged stop prevents operator's fingers from being pinched
- Thin profile for access to confined spaces
- Made from chrome vanadium electric steel, multi-stage oil-hardened for greater strength

**KNX8801400**



**KNX8801400**



## Pliers: Cobra® Comfort Handle/Standard



**KNX8701180**

### Cobra® Pliers – Standard Handle

- Self-gripping jaws
- Patented replaceable push button adjustment
- Anti-pinch guard

**KNX002006US1** 7-1/4", 10", 12" L, 1/8–2-3/4" Cap.

**KNX8701125** 5" L, 1/8–1" Cap.

**KNX8701150** 6" L, 1/8–1-1/4" Cap.

**KNX8701180** 7" L, 1/8–1-1/4" Cap.

**KNX8701250** 10" L, 1/8–2" Cap.

**KNX8701300** 12" L, 1/8–2-3/4" Cap.

**KNX8701400** 16" L, 1/8–3-1/2" Cap.

**KNX8701560** 22" L, 1/8–4-1/2" Cap.

**KNX870901** Button Replacement for KNX8701250



**KNX002008US2**

### 3 pc Universal Pliers Set with Cobra® Comfort Handle

- Long nose pliers offer long tapered jaws with some flexibility in jaw tips to minimize breakage
- High leverage design of diagonal cutter requires 20% less hand force than conventional cutter of same size
- Cobra® pliers are patented and offer a self-gripping jaw and the unique push button adjustment mechanism

**KNX002008US2** Set

**Includes:**

**KNX2611200** 8", Long Nose with Cutter

**KNX7421200** 8" L, Angled Cutter

**KNX8701250** 10" L, 1/8–2" Cap.

**KNX870901** Button Replacement for KNX8701250



**KNX8702180**

### Cobra® Comfort Handle Pliers

- Self-gripping jaws
- Patented replaceable push button adjustment
- Anti-pinch guard
- Ergonomic Knipex® comfort handles

**KNX8702180** 7" L, 1/8–1-1/2" Cap.

**KNX8702250** 10" L, 1/8–2" Cap.

**KNX8702300** 12" L, 1/8–2 3/4" Cap.

**KNX8709560** Replacement Button Kit, 22"



## Pliers: Cobra® Quick Set

### Cobra® Pliers Quick Set

- Allows the pliers to be adjusted by sliding the handles or using the traditional push button to make adjustments
- Self-gripping jaw provides a secure non-slip grip on almost any work piece; will not slip
- Patented locking push button maintains the jaw size setting; does not have to be continuously re-adjusted
- Forged guard prevents pinching of operator's fingers
- Textured handles provide a better grip and more comfort
- 25-position adjustment assures a precise fit on any object (up to the maximum 2" capacity)
- Quick set style has red grips and a red push button

**KNX8721250**



**KNX8721250**

### 3 pc Cobra® Set

- Self-locking on pipes and nuts due to teeth set against the rotation
- 30% more capacity than a conventional pipe wrench
- Adjustment at the touch of a button
- Pinch guard prevents fingers from being pinched
- Gripping surfaces with special hardened teeth
- Set Contains: (1) 87 01 125, 5" Cobra® Pliers, (1) 87 01 250, 10" Cobra® Pliers, (1) 87 01 300, 12" Cobra® Pliers and KNIPEX® pouch

**KNX9K0080122**



**KNX9K0080122**





## Pliers: Curved Jaw/Long Nose

### Kiwi Pliers Set

- Includes 6" short nose and 8" long nose Kiwi Pliers
- Needle-nose pliers at an angle
- Better hand alignment provides a clear line of sight
- Curved handles fit your hand more comfortably
- Internal spring opens the pliers jaw
- Made from heat-treated long lasting quality steel

**EZRKWP2**



### 8" Long Nose Grip Pliers

- Heavy duty pliers with adjustment screw and release lever
- Long nose grip pliers with narrow long jaws suitable for areas that are hard to reach
- High clamping pressure due to the toggle action lever for a more secure grip
- One-hand operation
- The pliers body is made from high-strength rolled steel
- The gripping jaws are forged from chrome vanadium electric steel
- Non-serrated gripping area for pinching off hoses

**KNX4144200**



### One-Hand Fast-Release Locking Pliers

- Curved jaw with wire cutter
- Easier controlled opening
- Release is controlled and can be operated with one hand
- Easy-to-open from any angle
- More finger room for use with gloves

**VSG05T** 10" Curved Jaw Locking Pliers with Wire Cutter

**VSG07T** 7" Curved Jaw with Wire Cutter

**VSG09T** 5" Curved Jaw with Wire Cutter



**VSG05T**

### Curved Jaw Fast-Release Locking Pliers

**VSG11T** 10" Curved Jaw



**VSG11T**

### 6" Long Nose Locking Pliers – Fast-Release

- Long nose with wire cutter
- Easier controlled opening
- Release is controlled and can be operated with one hand
- Easy-to-open from any angle
- More finger room for use with gloves

**VSG14T** 6" Long Nose



**VSG14T**

### 6 pc Locking Pliers Set

Set Includes: Kit bag with (6) Koozie® cups, 10WR®, 9LN®, 7WR®, 6LN®, 5WR®, 4LN® locking tools

**VSG641KB**



**VSG641KB**

### The Original™ Locking Pliers

**VSG4935580** 3 pc Pliers Set

Includes:

**VSG4935576** 10" Curved Jaw

**VSG4935578** 7" Curved Jaw

**VSG4935579** 5" Curved Jaw

Also Available:

**VSG4LN** 4" Long Nose Pliers

**VSG4WR** 4" Curved Jaw Locking Pliers

**VSG5WR** 5" Curved Jaw Locking Pliers with Wire Cutter

**VSG6LN** 6" Long Nose Locking Pliers

**VSG7WR** 7" Curved Jaw Locking Pliers with Wire Cutter

**VSG9LN** 9" Long Nose Locking Pliers

**VSG10WR** 10" Curved Jaw Locking Pliers with Wire Cutter



**VSG4935580**



**VSG6LN**



**VSG10WR**

## Pliers: Hose



**ASTM2000CP**



**ASTMVW2050F**



**ASTM2010ACP**



**ASTSCP2014**

### Fuel/EVAP Clamp Pliers

- Used for the unlocking and locking of Fuel/EVAP hose CLIC R® clamps on newer vehicles

**ASTM2000CP**

### Fuel Filter and Line Pliers

- For plastic snap-together connectors

**Applicable:**

Volkswagen® and Audi® models and Mercedes® (163) M-Class fuel filters and applicable to some Fiat®, GM® and Opel gas engine vehicles. Also works on late model Lexus® and Toyota® fuel/evap lines

**ASTMVW2050F**

### Angled Fuel/EVAP Clamp Pliers

- Used for the unlocking and locking of Fuel/EVAP hose CLIC R® clamps on newer vehicles
- Use as an aid during removal

**ASTM2010ACP**

### Hose Clamp Pliers

- Unique grooves in pliers allow grabbing clamps from two angles
- Pliers used for hose clamps found on fuel lines, radiator hoses, Honda® transmission cooler lines, etc.
- Overall length 8"

**ASTSCP2014**

# Hand Tools

## Pliers: Hose

### Hose Clamp Pliers

- Special end designed to grip almost any hose clamp from any direction
- Extra long reach
- Locking ratcheted jaws enable user to keep pliers locked onto clamps
- 11" overall length
- CA residents see page 365 for Proposition 65 warning. ⚠

HRR59



HRR59

### 3 pc Double-X® Hose Grip Pliers Set

- Hold hard-to-reach hoses 5/16, 1/2 and 3/4"
- Jaws open greater distance than the handle for added reach in tight locations
- Maximum reach without exceeding center point of interference
- Dual-dipped handle for comfort and grip
- Flush rivet for strength and narrow profile
- Corrosion-resistant alloy steel

KDT82107 Set

Includes:

KDT82017 5/16" (13.19" L)

KDT82018 1/2" (13.13" L)

KDT82019 3/4" (13.03" L)

GW GEARWRENCH



KDT82107

### 2 pc 10" KNIPEX® Hose Clamp Set

- KNX8551250AF for removing and installing hose clamps
- Rotatable tips for reliably gripping hose clamps in all positions
- Has 19 adjustment positions to adapt to a wide variety of clamps
- KNX8551250C for opening and closing Click Clamps
- Rotatable tips for reliably gripping Click Clamps in all positions
- Has 15 adjustment positions to adapt to a wide variety of clamps
- Chrome vanadium electric steel, forged, oil-hardened

KNX9K0080135



KNX9K0080135

### Hose Clamp Removal Pliers

- Designed to reach around hoses to encapsulate clamps and compress tips
- Allows easy rotation of clamp for removal

KCT998



KCT998

### 10" Universal Hose Clamp Pliers

- A single tool for working on the most common types and sizes of spring steel hose clamps
- Jaw inserts rotate (swivel) to offer maximum maneuverability in tight working conditions
- Tips on jaws provide a strong and reliable grip for holding clamps securely
- Push-button adjustment mechanism is fast and easy-to-use
- Box joint design offers greater stability and strength

KNX8551250AS



KNX8551250AS

### Long Reach Hose Clamp Pliers

- Overall tool length of 17" provides extra long reach
- Cross-cut tip design grips most hose clamps from multiple angles
- Ratcheting lock mechanism holds the clamp in an open position for hands-free use
- Dual material grips for comfort
- CA residents see page 365 for Proposition 65 warning. ⚠

LIL17000



LIL17000

### 35° Degree Long Hose Clamp Pliers

- Provides an extra long reach and 35° angled tips for hard-to-reach hoses
- Cross-cut tip design grips most hose clamps from multiple angles
- Ratcheting lock mechanism holds the clamp in an open position for hands-free use
- Dual material grips for comfort
- CA residents see page 365 for Proposition 65 warning. ⚠

LIL17370



LIL17370

## Pliers: Locking



APT78415

### Locking Pliers Slide Hammer Puller

- Universal puller for locking onto and hammering to remove everything from cotter pins to old seals and bushings
- Quick detachable swivel end allows for adjusting and locking pliers on subject then attaching sliding hammer for removal

APT78415

### Straight Jaw Locking Pliers, Fast-Release Version

- Straight jaw provides maximum contact on flat, square or hex work
- Hardened teeth designed to grip from any angle
- Broached for maximum durability
- High grade alloy steel heat-treated for maximum durability
- Adjusting screw provides exacting pressure, maintains pressure for repetitive use
- Easier controlled opening release and can be opened with one hand
- Two times easier to open from any angle by simply pulling, no need to put pressure on a trigger
- More finger room better accommodates large hands and professional welders who wear gloves
- No pinch points; elimination of trigger means no pinching during use

VSG01T 10" Straight Jaw

VSG03T 7" Straight Jaw



VSG01T



VSG03T

### Straight Jaw Locking Pliers

- Straight jaw provides maximum contact on flat, square or VSG10R hex work
- Hardened teeth designed to grip from any angle
- High-grade alloy steel, heat-treated for maximum durability
- Adjusting screw provides exacting pressure
- Maintains pressure for repetitive use
- Guarded release trigger protects from accidental release

VSG67R 7" Straight Jaw Locking Pliers

VSG10R 10" Straight Jaw Locking Pliers



VSG67R



VSG10R



## Pliers: Locking (Flare Nut)

### 3 pc Flare Nut Locking Plier Set

- Designed for use on new or damaged flare nuts that have been rounded or rusty
- Fits standard or metric nuts and bolts
- Angled jaws allow for clearance around frames and bulkheads
- Set includes: OTC6720-1 (covers 1/4–5/16" or 6–8 mm), OTC6720-2 (covers 3/8–7/16" or 9–11 mm), and OTC6720-3 (covers 1/2–5/8" or 12–16 mm)

OTC6720



OTC6720

**Flare Nut Locking Plier**  
1/4–5/16"  
OTC6720-1



OTC6720-1

**Flare Nut Locking Plier**  
3/8–7/16"  
OTC6720-2



OTC6720-2

**Flare Nut Locking Plier**  
1/2–5/8"  
OTC6720-3



OTC6720-3

**Flare Nut Locking Plier**  
11/6–7/8"  
OTC6720-4



OTC6720-4

## Pliers: Panel Clip

### Body Clip Pliers

- No need to buy three sets of trip clip pliers for different applications, this tool does it all
- Specifically designed and patented pliers will remove any clip found on trim, bumpers, etc.
- Steel levers enclosed in PMS plastic, prevents scratches
- Tips have a special angle and size that make them the most versatile tool in the clip removal category

HRR55



HRR55

### Sure Grip Trim Clip Pliers

- Removes trim clips fast without breaking
- Works on trim pads, hood insulation, etc.
- Grip the neck of the clip and pry to release

STK21720



STK21720

### Panel Clip Pliers

#### 3 pc Body Clip Set – Panel Clip Pliers

- Unique two-step tip provides better support under the clip head than conventional panel clip pliers
- Added support provided by the two-step design allows removal of panel clips without damaging the clip

**KDT3705** Panel Clip Pliers with "v" design for removal of standard clips without center pins



KDT3705

### Right Angle Sure Grip Trim Clip Pliers

- Hardened steel tapered end allows the tip to grab the stem of the trim clip
- The right angle provides the access to reach tight areas to lever out the trim clips without breaking them
- Textured handle allows for comfortable easy grip of the pliers
- Works on trim pads, hood insulation, etc.

STK21725



STK21725

## Pliers: Push Button

### Cobra® 5 pc set with toll roll

- 5 Cobras included are 5"–12". 87 01 125, 87 01 150, 87 01 180, 87 01 250 and 87 01 300
- Self-locking on pipes and nuts due to teeth set against the rotation–no slipping on the work piece
- Fine adjustment for optimum adaptation to different size work pieces and a comfortable gripping position
- Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: low wear and reliable gripping

KNX001955S5



KNX001955S5

### 3 pc GrooveLock Pliers Tray Set

- Right angle teeth grip in all directions for maximum bite
- Metal Injection Molding (MIM) process for precision parts that deliver strength and exceptional performance
- Press and slide button quickly adjusts lower jaw
- Anti-pinch design
- Multi-groove ratcheting system allows for precise positioning and twice the groove positions of traditional joint pliers

VSG2078710



VSG2078710

# Hand Tools

## Pliers: Push Button/Wrench



**KNX8603180**



**KNX8601250**



**KNX8643250**

### Pliers Wrench

- Patented push button adjustment mechanism maintains jaw size position for fast-and-easy repetitive work
- Smooth parallel jaws will not harm or mar fasteners or fittings, including brass or chrome
- Unique cam action ratcheting mechanism for extremely fast operation
- 10:1 transmission ratio from handles to head provides extraordinary gripping and bending strength
- 13-position adjustment ensures a precise grip
- Thin profile for access to confined spaces

**KNX002006US2** 7-1/4", 10", 12" L, 1-3/8-2-3/8" Cap., 3 pc Set

**KNX8603150** 6" L, 1" Cap., Pliers Wrench

**KNX8603180** 7" L, 1-3/8" Cap., Pliers Wrench

**KNX8603250** 10" L, 2" Cap., Pliers Wrench

**KNX8603300** 12" L, 2-3/8" Cap., Pliers Wrench

### 10" Black Pliers Wrench

- Laser-marked adjustment scale to set the opening width before use—metric and inch markings
- Has 19 adjustment positions and increased jaw capacity to 2" (52 mm)
- Excellent for gripping, holding, pressing, tightening and bending applications
- Smooth parallel gripping jaw prevents marring on work surfaces
- Adjustment at the touch of a button
- Zero backlash contact pressure—no damage to edges

**KNX8601250**

### 10" Angled Pliers Wrench

- Excellent for gripping, holding, pressing, tightening and bending applications
- Smooth parallel gripping jaw prevents marring on work surfaces
- Adjustment at the touch of a button
- Zero backlash contact pressure—no damage to edges
- Has 19 adjustment positions to adjust to hex nuts up to 1-3/4"
- Lever transmission greater than 10-1 for strong gripping power
- 15° angled pliers handle provides space for counter screw connections or bolted fittings on surfaces

**KNX8643250**

## Pliers: Push Pin Removal

**GW GEARWRENCH**



### 80° Push Pin Pliers

- Specially designed for removal of push pins with center locking pin
- Quickly removes plastic anchors that have center pins without damage to pins or anchor
- Tool lifts the center pin and pulls anchor in one simple step
- Anchors common on Honda®, Toyota®, GM®, Ford®, Chrysler® and many other late model vehicles
- New push pin pliers fits into pin slots and under the center pin
- Double cushion grip handle
- Tapered end for easy access and 80° offset
- Patent pending

**KDT41850** 3 pc Body Clip Set

**Includes:**

**KDT3705** Panel Clip Pliers with "v" design for removal of standard clips without center pins

**KDT3729** 30° Push Pin Pliers



**KDT41850**

### Push Pin Pliers

- Specially designed for removal of push pins with center locking pin
- Quickly removes plastic anchors without damage to pins or anchors
- Will remove push pins around wheel well, lining in trunk and under the hood
- Pull and lift in one simple step

**SET819**



**SET819**

## Pliers: Snap Ring

**GW GEARWRENCH**



### 2 pc Double-X® Internal/External Snap Ring Pliers Set

- Compound joint allows access with minimal handle movement
- Jaws open greater distance than the handle for added reach in tight locations
- Dual-dipped handle for comfort and grip
- Flush rivet for strength and narrow profile
- Corrosion resistant alloy steel
- Interchangeable tips: .038 straight, .038 (90°), .047 straight, .047 (90°), .070 straight, 2 mm hex key

**KDT82110** Set

**Includes:**

**KDT315177** Replacement Tip Set

**KDT82032** Double-X® Internal Snap Ring Pliers – 13"

**KDT82033** Double-X® External Snap Ring Pliers – 13"



**KDT82110**



**KNX001958V02**

### 8 pc Precision Snap Ring Set

- Content: 4 x precision Circlip Pliers for internal circlips in Bore holes, 4 x Precision Circlip Pliers for external circlips on shafts
- Snap Rings included are: (1) 48 11 J1, (1) 48 11 J2, (1) 48 21 J11, (1) 48 21 J21, (1) 49 11 A1, (1) 49 11 A2, (1) 49 21 A11, and (1) 49 21 A21
- With inserted tips for reliable work, tips are spring steel wire
- Heavy duty in continuous operation: up to 10 times longer service life than turned tips
- Bolted joint: precise, zero backlash operation of pliers
- Non-slip plastic coating on the handles
- Jaw's gripping capacity - 3/4-2-3/64"
- Large contact faces on the tips: no distortion of circlips, easy fitting

**KNX001958V02**



## Pliers: Snap Ring

### 4 pc Snap Ring Pliers Set

- Set contains most popular internal and external styles and sizes
- Spring steel tips provide up to 10 times the service life of conventional pliers
- Enlarged contact area holds rings more securely and minimizes ring distortion
- Textured plastic handles for more comfort and a better grip
- Internal spring joint protects spring from dirt and damage

**KNX002003SB** Set

**Includes:**

**KNX4811J1** 5-1/2" Internal Straight Snap Ring Pliers

**KNX4811J2** 7-1/4" Internal Straight Snap Ring Pliers

**KNX4811J3** 9" Internal Straight Snap Ring Pliers

**KNX4911A3** 9" External Straight Snap Ring Pliers



**KNX002003SB**

### Precision Circlip "Snap-Ring" Pliers – Internal 90° Angled – Size 1

- With inserted tips for reliable work
- Heavy duty in continuous operation: up to 10 times longer service life than turned tips
- Bolted joint: precise, zero-backlash operation of pliers
- Jaw's gripping capacity – 15/32–1"
- German chrome vanadium electric steel, forged, oil-hardened
- Non-slip plastic coated handles
- Inserted tips: spring steel wire, drawn

**KNX4821J11**



**KNX4821J11**

### Precision Circlip "Snap-Ring" Pliers – External 90° Bent Tips – Size 6-1/2"

- Circlip pliers to assemble external circlips on shafts
- Inserted tips: spring steel wire, drawn
- Internal opening spring, protected and captive
- German chrome vanadium electric steel, forged, oil-hardened
- Non-slip plastic coated handles

**KNX4921A21**



**KNX4921A21**

### 8 pc Precision Snap Ring Pliers

- Up to 10 times longer service life compared to turned tips
- Form-fitted inserted and pressed-in tips made of high-density spring steel
- Internal design for fitting internal snap rings in bore holes
- External design for fitting snap rings on shafts

**KNX002004SB**



**KNX002004SB**

### Precision Circlip "Snap-Ring" Pliers – External 90° Angled – Size

- Large contact faces on the tips: no distortion of circlips, easy fitting
- Inserted tips: spring steel wire, drawn
- Internal opening spring, protected and captive
- Jaw's gripping capacity – 25/64–1"
- German chrome vanadium electric steel, forged, oil-hardened
- Non-slip plastic coated handles

**KNX4921A11**



**KNX4921A11**

### Spindle snap ring pliers for Ford®

- The snap ring sit down inside the 4" hub
- The tool's rigid design and angle tips allow it to within the 2-1/2" inside diameter of the hub
- The ratcheting locking feature provides the technicians extra leverage to remove the heavy snap ring
- CA residents see page 365 for Proposition 65 warning. ⚠

**LIL38700**



**LIL38700**

## Pliers: Special Application



**OTC4514**

### 4 pc Mini Snap Ring Pliers Set

- Small size pliers for work in tight areas
- Service S-ring and R-ring clips, internal or external, straight or angled
- Ruggedly built of heat-treated chrome molybdenum steel

**Set Includes:** (2) Internal snap ring pliers, (1) straight, (1) 45° (2) External snap ring pliers, (1) straight, (1) 45° All pliers have .038" (1.0 mm) diameter tip

**OTC4514**



**AST2017SACP**

### Swivel Head Spring Clamp Pliers

- Used for various different spring clamp sizes found on fuel lines, radiator hoses, transmission cooler lines, etc.
- The rotating heads allow for 360° of adjustability for those hard-to-reach angles and locations
- Unique grooves in pliers allow grabbing clamps in multiple locations

**AST2017SACP**

**GW GEARWRENCH**



**KDT82111**

### 2 pc Double-X® Hemostat Pliers Set

- Hold and clamp hard-to-reach objects
- Variable locking positions
- Double-X® hemostat pliers jaws open greater distance than the handle for added reach in tight location
- Maximum reach without exceeding center point of interference
- Hardened stainless steel
- Straight and 45° jaw pliers included for versatility

**KDT82111 Set Includes:**

**KDT82034** Straight Pliers, 10"

**KDT82035** 45°, 9-3/4"

# Hand Tools

## Pliers: Special Application

### Ear Clamp Pliers Front Jaw

- Suitable for simple and reliable clamping of 1-ear and 2-ear clamps
- For clamps on CV boots, coolant and fuel lines, air pressure systems, compressors
- Will not damage the press points on the ear clamps
- The slim head permits good accessibility in confined areas
- Durable and strong for long life



KNX1098I220

KNX1098I220

### 6 in 1 Electrical Installation Pliers

- Multifunctional pliers for the electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping end sleeves (ferrules)
- Smooth surfaces near the tips grip single conductors without damaging them; serrated gripping surfaces and pipe grip for gripping flat and round material
- Black atramentised pliers, polished head, plastic-coated handles
- Stripping holes for 12 + 14 AWG Solid / 14 + 16 AWG Stranded



KNX13818

KNX13818

### 8" Long Nose Pliers with Cutter – 40°

#### Angled Jaws

- Angled jaws 40° are easier to use in tight and confined spaces
- Serrated gripping surfaces for superior holding ability
- Induction-hardened cutting edges (61 HRC) for cutting soft, medium hard and hard wire
- Special steel formula provides greater tip flexibility and minimizes breakage



KNX2621200

KNX2621200

### XL Needle Nose Pliers 45° Angle

- 11" pliers are ideal for gripping, pulling and twisting making them the perfect multi-use tool
- Slim tips and extra-long design
- Serrated gripping area for holding round parts up to 2-1/4"
- Four grooves for gripping, holding and guiding various parts
- 45° angled jaws



KNX2881280

KNX2881280

### 8" Long Nose Pliers – 70° Angled Jaws

- 70° angled jaws are easier to use in tight and confined spaces; suitable for pulling cotter pins
- Serrated gripping surfaces for superior holding ability
- Special steel formula provides greater tip flexibility and minimizes breakage



KNX3871200

KNX3871200

### 8" Circular Jaw Long Nose Pliers

- Circular jaws securely hold round work pieces
- Jaw tips angled at 45° for easier access in tight spaces
- Serrated jaw surfaces for better grip
- Great pliers for holding small circular pieces, including hoses, clamps and spark plugs



KNX3891200

KNX3891200

### 6-1/4" Multi-Purpose (Electronics) Long Nose Pliers

- Multi-purpose tool cuts, crimps, grips and strips
- Induction-hardened cutting edges (60 HRC) for cutting medium hard wire
- Strips AWG 10, 12 and 14
- Crimps end sleeves (ferrules)

KNX1301614



KNX1301614

### High Leverage Cutters and Pliers

- High leverage designs
- Induction-hardened cutting edges
- Forged axle design

KNX2611200 8", Long Nose with Cutter

KNX3881200A 8" Double Bend Long Nose

KNX8741250 10" Knipex® Raptor® Pliers



KNX2611200



KNX3881200A



KNX8741250

### XL Needle Nose Pliers Straight

- 11" pliers are ideal for gripping, pulling and twisting making them the perfect multi-use tool
- Slim tips and extra-long design
- Serrated gripping area for holding round parts up to 2-1/4"
- Four grooves for gripping, holding and guiding various parts

KNX2871280



KNX2871280

### 8" Long Nose Pliers 'S' Shape Jaws

- Offset jaw design offers better access in tight and confining spaces
- Serrated gripping surfaces for superior holding ability
- Special steel formula provides greater tip flexibility and minimizes breakage
- Cranked design allows for use as a lever

KNX3831200



KNX3831200

### 90° Double Angle Long Nose Pliers

- Mechanics pliers
- Unique angled jaws for increased access to enclosed areas
- High-strength jaws and tips bend and snap back into place easily – no deformation
- Cross-hatched gripping surfaces, knurled
- Vanadium electric steel; forged, oil-hardened

KNX3881200B



KNX3881200B

### 10" Universal Grip Pliers – Pivoting Jaw

- Heavy duty pliers with adjustment screw and release lever
- Unique bottom jaw that pivots automatically to adjust to whatever you are gripping
- High clamping pressure due to the toggle action lever for a more secure grip
- One-hand operation
- Pliers body is made from high-strength rolled steel
- Gripping jaws are forged from chrome vanadium electric steel

KNX4014250



KNX4014250

## Pliers: Special Application



### 10" Soft Jaw Pliers

- For AN electrical connectors, plastic pipes and cannon plugs up to 3–5/32" dia.
- Works well when metal to metal contact needs to be avoided
- 25 adjustment positions box-joint design
- Ergonomic handle geometry
- Chrome vanadium electric steel, forged and oil-hardened

#### KNX8111250

**KNX8119250** Replacement Plastic Jaws for KNX8111250 and KNX8113250



**KNX8111250**



**KNX8119250**

### 10" Auto Adjusting Pliers

- Auto adjusting mechanism permits one-handed use for gripping or turning applications
- Ideal for frequent changeovers to workpieces of different sizes
- Self-gripping jaw design prevents slipping and will not "round off" nut and bolts
- Locking lever keeps handles in the closed position for easy storage
- Capacity is up to 1-1/4" on pipes and 1-13/32" on nuts
- Gripping surface with special hardened teeth, teeth hardness (approx. 61 HRC); low wear and reliable gripping

#### KNX8501250



**KNX8501250**

### 10" Locking Spring Hose Clamp Pliers

- Can be used for standard, space-saving, spring wire hose clamps and for spring band clamps up to 70 mm nominal size; maximum jaw opening 80 mm; allows more than 40 mm clamping range
- Locking mechanism for easy one-handed operation
- Rotatable, universal grip inserts for securely gripping the clamps in all positions
- Extremely good leverage which allows clamps to be opened easily without great effort
- Slim head design; narrow head width; rotatable grip inserts, works well in confined areas
- Push button operation with 19 adjustment positions

#### KNX8551250AF

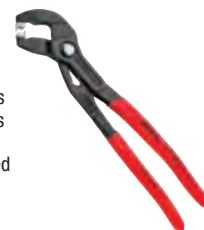


**KNX8551250AF**

### 10" Click Clamp Pliers

- Use to open and close click clamps
- Rotating jaw inserts allow the safe actuation of clamps in any position
- Profiled jaws to release corroded-on hoses from nozzles
- Applicable for fuel hoses, vacuum pipes, suction nozzles and many other applications
- Chrome vanadium electric steel, forged and oil-hardened

#### KNX8551250C



**KNX8551250C**

### 5" Pliers Wrench

- Mini pliers and a wrench in a single tool for precision mechanics; particularly suitable for working on small bolted connections and working in confined areas
- Replaces a full set of SAE and metric open-end wrenches
- Smooth jaws for damage-free installation of plated fittings – working directly on chrome
- Adjustable tightening tool
- Excellent for gripping, holding, pressing and bending applications
- Zero backlash jaw surface pressure prevents damage to edges of sensitive components
- Chrome plated pliers with plastic coated handles
- 11 adjustment positions; 5" L

#### KNX8603125



**KNX8603125**

### 16" XL Pliers Wrench

- Offers the functions of a pliers and wrench all in one tool, eliminating the need for SAE or metric wrenches
- Smooth jaws will not round off nuts or bolts and won't damage chrome or soft finishes
- Parallel jaws evenly distribute force to the workpiece for a secure grip that is 10 times your strength
- Unique ratcheting action for extremely fast turns of nuts and bolts without having to reset the tool
- Up to 3-3/8" jaw capacity
- 25 adjustment positions

#### KNX8603400US



**KNX8603400US**

### 7" Pliers Wrench with Comfort Grip

- Pliers and a wrench in a single tool with narrow gripping jaws for tightening situations that require a slim tool
- Replaces a full set of SAE and metric open-end wrenches
- Smooth jaws for damage-free installation of plated fittings – working directly on chrome
- Adjustable tightening tool
- Excellent for gripping, holding, pressing and bending applications
- Zero backlash jaw surface pressure prevents damage to edges of sensitive components
- Chrome plated pliers; handles with multi-component grips
- 13 adjustment positions; 7-1/4" L

#### KNX8605180



**KNX8605180**

### 12" Cobra® Quickset

- Adjustment directly on the workpiece by simply sliding the pliers handle
- The pliers stay locked in place and can only be readjusted by pressing the button and resetting
- Gripping surface with special hardened teeth (approximately 61 HRC) is wear resistant and grips any shaped object – round, square, hex or flat
- Self-locking—no slipping off the workpiece; low hand force required
- Fine adjustment provides an optimum adjustment to different sized workpieces

#### KNX8721300



**KNX8721300**

# Hand Tools

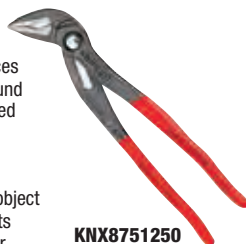
## Pliers: Special Application



### 10" Cobra® ES (Extra Slim) Pliers

- Longer jaws provide extended reach and holding capability; excellent when working in confined spaces
- Self-gripping jaw prevents slipping and will not "round off" nut and bolts; allows operator to use one-handed downward pressure for gripping or turning fittings
- Patented push-button adjustment for fast, easy and secure adjustments
- 19 adjustment positions ensure a precise fit on an object
- Capacity is up to 1-1/4" on pipes and 1-3/8" on nuts
- Ideal for service and maintenance, equipment repair, automotive and general industry

**KNX8751250**



**KNX8751250**

### Hog Ring Pliers

#### 7-1/4" Hog Ring Pliers

- For the professional replacement of automotive upholstery to the seat frame compatible with all popular upholstery or hog rings
- Recessed groove located in the jaws securely hold the hog rings in the proper position before they are crimped
- High transmission ratio allows for easy compression of the hog rings
- Closing spring holds the pliers closed which allows for the ring to be securely positioned before being compressed
- With multi-component grips for added hand comfort

**KNX9192180**



**KNX9192180**

### 2 pc Pliers Wrench Set

- Set Contains: (1) 86 03 125, 5" Mini Pliers Wrench 11 position, (1) 86 03 180, 7-1/4" Pliers Wrench 13 position
- One-of-a-kind tool that replaces a full set of inch and metric open end wrenches
- Excellent for gripping, holding, pressing, tightening and bending applications
- Smooth parallel gripping jaw prevents marring on work surfaces
- Adjustment at the touch of a button
- Zero backlash contact pressure—no damage to edges
- Reliable catching of the hinge bolt—no unintentional shifting
- Lever transmission greater than 10-1 for strong gripping power
- Chrome vanadium electric steel, forged, oil-hardened

**KNX9K0080121**



**KNX9K0080121**

### 3 pc specialty tool set

- Set includes: 72 01 140-5 1/2" Flush cutter, 81 11 250- 10" Pipe & Connector Pliers and 86 03 180-7 1/4" Pliers Wrench
- Perfect for both Automotive and Aviation applications
- Set allows you to grip without scratching or marring
- 7201140 provides a flush cut on zip ties

**KNX9K0080127**



**KNX9K0080127**



**KNX9K80109US**

### 2 pc Pliers Wrench Set with Pouch

- Smooth jaws will not round off nuts or bolts and won't damage chrome or soft finishes
- Parallel jaws evenly distribute force to the workpiece for a secure grip that is 10 times your strength
- Unique ratcheting actions for extremely fast turns of nuts and bolts without having to reset the tool
- Includes KNX8603180 (7-1/4") pliers wrench and KNX8603250 (10") pliers wrench with KNIPEX® pouch

**KNX9K80109US**



**KNX9K80117US**

### 3 pc 10" Pliers Set

- Three (3) essential 10" tools in one assortment
- Grip, wrench and cut with three of our best-selling tools
- Includes KNX8701250 10" Cobra® pliers, KNX8603250 10" pliers wrench and KNX7401250 10" high leverage diagonal cutter packaged in a clamshell

**KNX9K80117US**



**KNX9K80128US**

### 2 pc XLD Lense Pliers Set with Pouch

- Includes KNX2871280 11" XL straight needle nose pliers
- Includes KNX2881280 11" XL angled needle nose pliers
- Includes 12" KNIPEX® pouch

**KNX9K80128US**



## Pry Bars



### Extendable Pry Bar

- Push button to extend pry bar
- Grooved profile adds traction
- 14 locking positions for unmatched access
- Extends from 18–29" to reach in tight spaces
- Indexible to 180° for greater leverage

KDT82220



KDT82220

### 33" Indexing Pry Bar

- Indexible to 180° for greater leverage
- 14 locking positions for unmatched access
- Puts the pry bar where you need it for best leverage
- Exceeds ANSI® requirements for proven strength

KDT82233



KDT82233

### Extendable Pry Bar

- Extends 29–48" for greater access and leverage and collapses for secure storage
- 14 locking positions for unmatched access
- Grooved profile adds traction
- Indexible to 180° for greater leverage

KDT82248



KDT82248

## Pry Bars



### Dominator® Screwdriver Pry Bar

- 7/8" steel-hardened and tempered for maximum durability
- Shaft goes through handle for prying power
- Patented, two composite, ergonomically designed handle
- Capped end allows user to strike the pry bar without damage to handle

MHW40138 36"

MHW40139 42"

MHW40160 48"



MHW40138

### 58" Dominator® Screwdriver Pry Bar

- New 10" capped end handle design allows user to strike end of tool
- Two composite, patented, ergonomic handle for comfort and secure grip
- Blade extends full length of tool to end cap

MHW40162



MHW40162

### 30" Modified Die Separating Bar

- Patented, two composite handle with metal end cap
- Heat-treated and tempered for superior strength
- Extra large radius at end for prying in restricted space applications

MHW40170



MHW40170

### 30" Modified Rolling Head Pry Bar

- Patented, two composite handle with metal end cap for striking
- Heat-treated and tempered for superior strength
- Built with added bar angle to create top end clearance

MHW40172



MHW40172

### Dominator® Pry Bar

- Patented, two composite soft grip handle with metal end cap
- Blade extends through to capped end
- Heat-treated and tempered steel for superior durability

MHW60145 18-S 25" L

MHW60148 24-C 31" L



MHW60145

### 3 pc Dominator® HD Pry Bar Set

- Capped end allows user to strike without damage to handle
- Capped end in direct contact with shaft
- Shaft goes through handle for prying power
- Hardened and tempered the entire length for maximum durability
- Patented, two composite, ergonomically designed handle provides comfort and secure grip

#### Set Includes:

25" straight tip, 31" curved tip and 36" curved tip pry bars

MHW61356



MHW61356

### 2 pc Dominator® Specialty Pry Bar Set

- Unique shapes for prying in tight or restricted locations
- Heat-treated and tempered alloy steel for superior strength
- Patented, two composite handle for comfortable and secure grip
- Capped end handles for striking
- 30" overall length

Also Sold Separately: MHW40170, MHW40172

#### MHW61361 Includes:

MHW40170 30" Modified Die Separating Bar

MHW40172 30" Modified Rolling Head Pry Bar



MHW40170



MHW80029

### Dominator® Bar Vault™

- Heavy duty steel lock box made from 1/8" thick steel plate
- Two slots for pry bars up to 3/4" steel
- Two slots for pry bars up to 1" steel
- Wall mount for additional security
- Secures with a standard padlock

MHW80029

### Jimmy Bar

- Forged from chrome alloy steel and heat-treated to resist bending and breaking
- 7/8" round, 30" L

OTC7168



OTC7168

### Pry Bar Head

- Turns any 3/8" drive ratchet or breaker bar into a rolling head pry bar
- Provides the versatility of a pry bar without the storage problems

OTC7687A



OTC7687A

# Hand Tools

## Punches

### 28 pc Transfer Punch Set

- Supplied with index stand
- Punches are made of hardened and tempered tool steel, black oxide finished
- All sizes are marked and diameters are slightly undersized for easy handling
- Sizes range from 3/32–1/2" by 64ths and 17/32"

FFL72482028

FFL72482028



### 16 pc Hollow Punch Kit

- 15 punch sizes: 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1, 1-1/16, 1-1/8 and 1-3/16"
- For cutting out washers and sealing rings made from foam, cardboard, leather, rubber, fiber, plastic, gasket material and lead
- Precision made tool
- Unique patented locking system
- Interchangeable dual cutting heads

MHW66000

MHW66000



## Punches: Spring-Loaded

NOXON®  
SPRING TOOLS™

### 5 pc Master Mechanics Set

- Patented design feature set
- Black oxide
- Over 3,500 lb impact force
- Outstanding in tight spaces
- Quality hardened construction

#### Set Includes:

Combination Center Punch – Prick punch for slight accurate spot mark for layout and measurement;

Self Centering Transfer Punch – 54° bevel matches standard machine screw bevels, center pin hardened;

High Speed Steel Center Punch – specifically designed to mark ultra hard materials;

Cold Chisel – 5/16" cold chisel to remove rivets and other metal protrusions without damaging skin;

Precision Ping Hammer – one end is flat .26 surface for direct impact while the other end has .075 impact surface for precision impact

NOX50X08



NOX50X08

### Auto and Metal Working Kit

- Chisel rivets and screws
- Transfer holes
- Punch tough steels
- Start drill bits
- Prick punch layouts
- Work in tight spaces

#### Set Includes:

Cold chisel, 2-bit snapper prick and center punch, high speed steel center punch and self centering center punch in pouch

NOXAMA996

NOX28R451 High-Speed Center Punch

NOX32R001 Center Punch, Prick

NOX38R041 Self Centering Puncher

NOX44R101 Cold Chisel



NOXAMA996

### 4 pc Pin Punch Assortment

- R&R solid or roll pins
- Industrial high speed steel
- Self centering taper tip
- Handy long length

NOXPPL503 Set with Pouch

#### Includes:

NOX48R021 1/16"

NOX48R031 3/32"

NOX48R041 1/8"

NOX48R051 5/32"



NOXPPL503

### 4 pc Medium Pin Punch Set

- Ideal in tight spaces
- Outstanding for moving pins without using a hammer

Set Includes: 1/16", 3/32", 1/8", 5/32" Diameter; 1 3/8" Length Tips; Organizer Case

NOXPPM503



NOXPPM503

### 4 pc Stubby Pin Punch Set

Set Includes: 1/16" Diameter 3/4" L; 3/32" Diameter; 3/4" L; 1/8" Diameter 7/8" L; 5/32" Diameter 7/8" L; Organizer Case

NOXPPS503



NOXPPS503

## Ratchets

### 1/2" Drive XXL Ratchet

- New locking flex head
- Low profile – double extra-long (22" L)
- Reversible switch
- 72 tooth drive
- Full chrome grip
- Exceeds ANSI® specifications

EZRM1224FL



EZRM1224FL

### 3/4" Drive Extendable Ratchet

- Unique, extendable locking shaft
- Quick-release 3/4" drive head
- Extends from 24–39-3/4"
- Precise 15° drive head contains 24 teeth for greater access

EZMR34



EZMR34

## Ratchets



### 3 pc Quick-Release, Extendable Ratchet

- Unique, extendable locking shaft
- Thermal plastic over-molded handle ensures firm grip
- Precise 5° drive head contains 72 teeth
- Meets and exceeds ANSI® torque requirement
- Replacement head kits available

#### EZRMR482 Set

##### Includes:

**EZRMR12** 1/2" Drive – Extension 13.78–19.78"

**EZRMR14** 1/4" Drive – Extension 6.89–8.85"

**EZRMR38** 3/8" Drive – Extension 9.84–13.74"



**EZMR482**

### 1/4 x 4" Stubby Quarter Stick

- With a low profile and an overall length of 4 inches, this ratchet offers a 1/4" square drive on one end and a magnetic bit drive on the other
- Heads are offset 15° to allow easy access in constricted work spaces
- Both the 1/4" square drive and magnetic bit drive are reversible and feature a low profile knurled thumb wheel
- Perfect for tight clearance work spaces where standard ratchets just won't fit
- Great for bodywork, under dash, motorcycles, inside fan cowls, and hundreds of other hard-to-reach areas



**EZRS04XL**

**EZR4S04XL** 1/4 x 4"

**EZR4S08XL** 1/4 x 8"



**EZRS12L**



**EZRS12XL**



**EZRS3XL**

### Quarter Stick 1/4" Locking Combination Drive

#### 1/4" Ratchet Bit Drive Locking

- 11-3/4" L
- Great for tight spots under dashboards and bumpers
- Custom reversible switch
- Knurled low profile thumb wheel for extra precision
- Push button quick-release
- 180° flexible heads at each end for multiple angles
- High polished chrome finish

#### EZR4S12L

### 1/4" Ratchet Bit Drive XL Angle

- Offset heads
- 11-3/4" long
- Great for under dashboards and bumpers
- Reversible switch
- Precision knurled low profile thumb wheel

#### EZR4S12XL

### 1/4" Combination Drive Quarter Stick Set

- 1/4" Combination bit and square drive
- Great for tight spots, under dashboards, and bumpers
- Reversible switches
- Knurled low profile thumb wheels for extra precision
- High polished chrome finish
- Exceeds ANSI® torque requirements

#### EZR4S3XL

## Retaining Ring



### Internal and External Replaceable Tip

- Safest, most compact and precisely designed tool available to service extra large retaining rings
- Durable heat-treated alloy steel components provide reliability of use not available with other tools for servicing this range of rings
- Design also includes a compound screw lever which works to multiply the user's efforts for easy, safe ring installation and removal
- Each pliers contains six pairs of alloy steel color-coded tips and a hex wrench within a handy tip kit pouch
- Patented pliers replace eight or more limited-use pliers
- CA residents see page 365 for Proposition 65 warning. ⚠

#### AEMPRC87

**AEM8720** 20° Hi-Tech Tip Kit

**AEM8790** 90° Hi-Tech Tip Kit



**AEMPRC87**



**AEM8720**



**AEM8790**

	Ring Size Service	Fractional	Metric
	Internal	3 1/2"–7"	90 mm–175 mm
	External	3 1/2"–7"	90 mm–175 mm
	Lip Sizes	Fractional	Metric
<b>AEM8720</b>	Bent 20°	.120", .150", .180"	3.0 mm, 3.8 mm, 4.6 mm
<b>AEM8790</b>	Bent 90°	.120", .150", .180"	3.0 mm, 3.8 mm, 4.6 mm
Each tip kit contains three pairs of color-coded, interchangeable tips and hex key			

## Roll Pin



### Roll Pin Remover and Installer

- Eliminates the need for a hammer and roll pin punch
- Works in tight or hard-to-reach areas
- Works well with steel or plastic components
- Removes and installs roll pins on hydraulic clutch lines up to 1-1/8" L

#### EZRPPT13



**EZRPPT13**

# Hand Tools

## Scrapers

### Plastic Chisel Scraper Set

- Set of three plastic chisels for removing emblems and adhesive-backed trim without damage
- 1 pc high-impact plastic chisels can also be used to remove stick-on weights from aluminum wheels as well as gaskets from aluminum, without marring
- Plastic blades can be resharpened as needed
- **Set includes:** 3/4, 1 and 1-1/2" blade widths
- Hand guard and hang hole are built into each flexible scraper

**LIL81200 Set**

**Includes:**

**LIL81220** 1" Plastic Chisel Scraper

**LIL81230** 1-1/2" Plastic Chisel Scraper



**LIL81200**

### Heavy Duty Squeegee with replaceable rubber blade and 66 in. classic fiberglass handle

- Replaceable rubber blade and 66 in. classic fiberglass handle
- Nupla® non-slip handle designs can be used in wet conditions where moisture-laden wood or tubular steel would have disastrous results
- Smooth, resin rich Nupla® handle surfaces protect users from splinters and resist UV deterioration
- Classic lifetime Nuplaglas® handles do not absorb moisture
- Nupla® handles are unaffected by sub zero temperatures, do not conduct heat or cold and are impervious to industrial or residential chemicals
- Nuplaglas® handles have a longer life expectancy since they are unaffected by moisture, fungus, termites or dry rot that destroy wood handles
- Lifetime warranty

**NUP69236**

**NUP69237** Replacement Squeegee Blade



**NUP69236**

## Scrapers (Razor Blade)

### 19" Monster Scraper

- Super duty model
- Rugged aluminum body
- Comfortable poly foam grip
- Store up to 15 extra blades in handle
- Accommodates standard, single edge razor blades (steel or plastic)
- Angled head ensures maximum leverage

**EZRMS1900**



**EZRMS1900**

### 6" Monster Scraper

- Heavy duty
- 6" L
- Rugged aluminum body
- Accommodates standard, single edge razor blades (steel or plastic)
- Angled head ensure maximum leverage

**EZRMS600** 6" Scraper



**EZRMS600**

### 5 pk Replacement Blades

- Single edge metal replacement blades

**EZRMSRPACK**

**EZRMSRPACK**



### 3-Position Inspection Sticker Scraper

- General-purpose windshield and scraper uses single edge razor blade
- Use in three different lock positions to aid in cleaning windshields at corners and on curved surfaces
- Blade section folds into handle and locks for safe storage

**SAG87940**



**SAG87940**

### Extra Long Sticker Scraper

- Specially designed to access steep, sloping windshields and other hard-to-reach places
- Excellent for corners and on curved surfaces
- Supplied with five standard steel razor blades and one plastic blade
- Overall length: 16"

**SAG87965**



**SAG87965**

### Heavy Duty Multi-Purpose Scraper

- Pocket sized, 6" long
- Single-edged razor
- Heavy-duty
- Angle head
- Rugged aluminum body

**EZRMS60010PK** (10 pk)

**NUP69315**



**EZRMS60010PK**

## Screw Starters

### 6 pc Aluminum Screw Starter Kit

- Aluminum handles with knurled grip
- Starts screws or nuts in hard to reach areas

**Kit Includes:** Telescoping Pocket Magnet; Carbide Tipped Scriber Slotted Screw Starter; Starter for TORX® Screws Nut Starter; PHILLIPS® Screw Starter

**SETPA177K90**



**SETPA177K90**



## Screwdriver Bits and Sets (Miniature)



### JIS Miniature Screwdriver

- Fits PHILLIPS® fasteners
- Electro static dissipative handle
- Overall length 6.2"

**CNT51-2400** 00 ESD

**CNT51-2401** 0 ESD

**CNT51-2402** No. 1 ESD



### Screwdriver Kit

- Precision screwdriver and tool set are ideal for miniature work
- Features knurled and chromed swiveling handles
- Screwdriver and tool set contains nine screwdrivers, one tapered point scratch awl and one magnetic pickup tool
- Screwdriver size range: #00, #0, #1, 1/32", 3/64", 1/16", 5/64", 3/32" and 1/8"

**FFL52490003**



**FFL52490003**



**SIRST9009**

### Mini Driver Kit

- Mini driver kit is excellent for removal/replacement of small screws found on dashboards, instrument panels, ECUs, radios, pocket knives, cell phones, etc.
- Each double mini bit tip is durable and coated with magnesium/phosphate, for corrosion protection
- Adjustable length
- Maximum assembled length: 8-1/2"
- Minimum assembled length: 5"
- 11 double ended bits
- One driver handle with quick chuck

**SIRST9009** Set

**Includes:**

**SIRST9009-1** T5 x T6

**SIRST9009-2** T7 x T8

**SIRST9009-3** T9 x T10

**SIRST9009-4** T15 x T20

**SIRST9009-5** PH00 x FL 2.0 mm

**SIRST9009-6** PH00 x FL 3.0 mm

**SIRST9009-7** PH1 x FK 4.0 mm

**SIRST9009-8** 1.5 mm x 2.0 mm

**SIRST9009-9** 2.5 mm x 3.0 mm

**SIRST9009-10** 1/8" x 5/32"

**SIRST9009-11** 5/64" x 3/32"

**SIRST9009-12** Handle



**SIRST9010**

### 50 pc Mini Driver Kit

- Developed in order to aid the technician with small screws of dashboards, radios, ECUs, instrument panels, cell phones, pocket knives, etc.
- Driver handle can be used with one hand by applying index finger on top of the rotating button head, then using thumb and middle finger to rotate the shaft
- Magnetic driver shaft allows for a quick interchange of each of the 50 driver bits
- Storage case with a clear plastic cover

**SIRST9010** Kit

**Includes:**

**SIRST901000** PHILLIPS® 00

**SIRST9010B40** Hex Ball 4.0

**SIRST9010H35** Hex 3.5

**SIRST9010HT2** Hex Tamper Proof 2.0

**SIRST9010P10** TORX® Tamper Proof 10

**SIRST9010P15** TORX® Tamper Proof 15

**SIRST9010P2** Pozidriv® 2

**SIRST9010P20** TORX® Tamper Proof 2.0

**SIRST9010P25** TORX® Tamper Proof 2.5

**SIRST9010PH0** PHILLIPS® 0

**SIRST9010S25** Slot 2.5

**SIRST9010S40** Slot 4.0

**SIRST9010T10** TORX® 10

**SIRST9010T20** TORX® 20

**SIRST9010T7** TORX® 7

**SIRST9010TP7** TORX® Tamper Proof 7

**SIRST9010TP8** TORX® Tamper Proof 8

**SIRST9010TP9** TORX® Tamper Proof 9

**SIRST9010Z00** Pozidriv® 000

## Screwdriver Sets

### Mini Screwdriver Set 48-in-1

- Exclusive driver body allows for easy finger-tip rotation
- Two turrets hold four bits each
- One fully loaded turret stores in handle body
- Durable chrome-alloy bits
- Double ended bit sizes and shapes

**SIRST9013** Set

**Includes:**

**SIRST9013H7** Dble End Bit, H0.7 x H0.9

**SIRST9013HAN** Handle

**SIRST9013HB1** Dble End Bit, HB1.5 x 2.0

**SIRST9013HB2** Dble End Bit, HB2.5 x 3.0

**SIRST9013HP2** Dble End Bit, HTP2.0 x HTP2.5

**SIRST9013HP3** Dble End Bit, HTP3.0 x HTP4.0

**SIRST9013SP1** Dble End Bit, SP1.0 x 000

**SIRST9013SP2** Dble End Bit, SP2.0 x 00

**SIRST9013SP3** Dble End Bit, SP3.0 x 0

**SIRST9013SP4** Dble End Bit, SP4.0 x 1

**SIRST9013T15** Dble End Bit, T15 x T20

**SIRST9013T3** Dble End Bit, T3 x T4

**SIRST9013T5** Dble End Bit, T5 x T6

**SIRST9013T7** Dble End Bit, T7 x T8

**SIRST9013T9** Dble End Bit, T9 x T10

**SIRST9013TP1** Dble End Bit, TTP15 x TTP20

**SIRST9013TP7** Dble End Bit, TTP7 x TTP8

**SIRST9013TP9** Dble End Bit, TTP9 x TTP10

**SIRST9013TUR** Turret

**SIRST9013Z15** Dble End Bit, SPZ1.5 x 00

**SIRST9013Z25** Dble End Bit, SPZ2.5 x 0

**SIRST9013Z30** Dble End Bit, SPZ3.0 x 0

**SIRST9013Z35** Dble End Bit, SPZ3.5 x 1



**SIRST9013**

# Hand Tools

## Sets: Ratchet/Socket

**GW GEARWRENCH**

### 25 pc 1/2" Fractional/Metric XL Pass-Thru® Ratchet Set

**KDT142200GR** 1/2" Dr. Socket 5/8"  
**KDT142220GR** 1/2" Dr. Socket 11/16"  
**KDT142240GR** 1/2" Dr. Socket 3/4"  
**KDT142260GR** 1/2" Dr. Socket 13/16"  
**KDT142280GR** 1/2" Dr. Socket 7/8"  
**KDT142320GR** 1/2" Dr. Socket 1"  
**KDT142340GR** 1/2" Dr. Socket 1-1/16"  
**KDT142360GR** 1/2" Dr. Socket 1-1/8"  
**KDT241080GR** 1/2" Drive Hollow Extension 6"  
**KDT542150GR** 1/2" Dr. Socket 15 mm  
**KDT542160GR** 1/2" Dr. Socket 16 mm  
**KDT542190GR** 1/2" Dr. Socket 19 mm  
**KDT542200GR** 1/2" Dr. Socket 20 mm  
**KDT542210GR** 1/2" Dr. Socket 21 mm  
**KDT542220GR** 1/2" Dr. Socket 22 mm  
**KDT542270GR** 1/2" Dr. Socket 27 mm  
**KDT542300GR** 1/2" Dr. Socket 30 mm  
**KDT542320GR** 1/2" Dr. Socket 32 mm  
**KDT891200** 1/2" Dr. Extra Long Locking Flex Pass-Thru® Ratchet Handle



**KDT142200GR**

### 39 pc Vortex® Bit Socket Set – 1/4" and 3/8"

- For use with GearRatchet® handle or conventional square drive ratchet (not included)
- Vortex® bit sockets are also broached for use with 1/4" and 3/8" conventional square drive ratchets
- Blow-molded case

#### KDT890040 Set

##### Includes:

**KDT89001D** PHILLIPS® #1  
**KDT89002D** PHILLIPS® #2  
**KDT89003** PHILLIPS® #3  
**KDT89004** Slotted 1/8"  
**KDT89005** Slotted 3/16"  
**KDT89008** TORX® T-10  
**KDT89009** TORX® T-15  
**KDT89010** TORX® T-20  
**KDT89011** TORX® T-25  
**KDT89012** TORX® T-27  
**KDT89018** Hex 1/8"  
**KDT89019** Hex 2 mm  
**KDT89020** Hex 2.5 mm  
**KDT89021** Hex 3 mm

**KDT89022** TORX® T-40  
**KDT89023** TORX® T-45  
**KDT89026** TORX® T-55  
**KDT89029** Hex 3/16"  
**KDT89030** Hex 7/32"  
**KDT89031** Hex 1/4"  
**KDT89032** Hex 5/16"  
**KDT89033** Hex 3/8"  
**KDT89034** Hex 4 mm  
**KDT89035** Hex 5 mm  
**KDT89036** Hex 6 mm  
**KDT89038** Hex 8 mm



**KDT890040**

### 27 pc 1/4" SAE/Metric XL Pass-Thru® Ratchet Set

- The new GearWrench® extra-long, locking, flex-head Pass-Thru® ratchet is up to 50% longer than the original GearRatchet®
- Durable ergonomic featured handle and extra length allow more leverage, making the ratchet easier to use and providing improved knuckle clearance
- With the press of a button, the patented ratchet head flexes to 11 different locking positions
- Patented Pass-Thru® ratchet and socket system increases productivity by eliminating the need for deep sockets
- 5° ratcheting arc, compared to the 12° arc on standard conventional ratchets, enhances productivity
- Featuring locking flex GearRatchet® handle

#### KDT891427 Set

##### Includes:

**KDT122050GR** 13 mm Driver GearRatchet® 5/32"  
**KDT122070GR** 1/4" Dr. Socket 7/32"  
**KDT122080GR** 1/4" Dr. Socket 1/4"  
**KDT122090GR** 1/4" Dr. Socket 9/32"  
**KDT122100GR** 13 mm Driver GearRatchet® Socket 5/16"  
**KDT122120GR** 1/4" Dr. Socket 3/8"  
**KDT221060GR** 13 mm GearRatchet® 3" Extension Bar  
**KDT221080GR** 1/4" Dr. Hollow Extension 6"  
**KDT231061GR** 1/4" Drive Adaptor  
**KDT522040GR** 4 mm Socket  
**KDT522070GR** 1/4" Dr. Socket 7 mm



**KDT891427**

**KDT522080GR** 1/4" Dr. Socket 8 mm  
**KDT522100GR** 13 mm Driver GearRatchet® Socket 10 mm  
**KDT522120GR** 1/4" Dr. Socket 12 mm  
**KDT522130GR** 1/4" Dr. Socket 13 mm  
**KDT891400** 1/4" Dr. Extra Long Locking Flex Pass-Thru® Ratchet Handle



**KDT8921**

### 21 pc Fractional/Metric Combination GearRatchet® Tool Set

#### KDT8921 Set

##### Includes:

**KDT132200GR** 5/8" Socket  
**KDT132240GR** 3/4" Socket  
**KDT231061GR** 1/4" Drive Adaptor  
**KDT235080GR** Handle  
**KDT532100GR** 10 mm Socket  
**KDT532120GR** 12 mm Socket  
**KDT532140GR** 14 mm Socket

### 23 pc 3/8" SAE/Metric XL Pass-Thru® Ratchet Set

- The new GearWrench® extra-long, locking, flex-head Pass-Thru® ratchet is up to 50% longer than the popular original GearRatchet® introduced in 2002
- Durable ergonomic featured handle and extra length allow more leverage, making the ratchet easier to use and providing improved knuckle clearance
- With the press of a button, the patented ratchet head flexes to 11 different locking positions
- The tool's patented Pass-Thru® ratchet and socket system increases productivity by eliminating the need for deep sockets
- The 5° ratcheting arc, compared to the 12° arc on standard conventional ratchets, also enhances productivity
- Featuring locking flex GearRatchet® handle

#### KDT893823 Set

##### Includes:

**KDT132200GR** 5/8" Socket  
**KDT132240GR** 3/4" Socket  
**KDT132260GR** 3/8" Dr. Socket 13/16"  
**KDT231080GR** 3/8" Dr. Hollow Extension 6"  
**KDT532100GR** 10 mm Socket  
**KDT532120GR** 12 mm Socket  
**KDT532140GR** 14 mm Socket  
**KDT893800** 3/8" Dr. Extra Long Locking Flex Pass-Thru® Ratchet Handle



**KDT893823**

## Sledgehammers



NUP27-073

### Sledge Hammer

- High carbon steel 8 lb head meets ASME® specification for heat treat and hardness
- Handle is pultruded fiberglass with high UV and chemical resistance
- SG grip is popular choice for use with gloves and in harsh outdoor conditions
- Handle has lifetime warranty

NUP27-073

### Fiberglass Handled Sledge Hammers

- High strength fiberglass handle is UV, moisture, and chemical resistant
- Forged high carbon steel heads with polished faces
- Fiberglass handles are 4x stronger than wood
- Grips are cushion or SuperGrip style
- Made in USA with US and foreign components

NUP27-082 8 lb 14" Cushion Grip

NUP27-085 8 lb 15" Cushion Grip

NUP27-087 8 lb 16" SuperGrip

NUP27-088 8 lb 18" Cushion Grip

NUP27-124 12 lb 24" Cushion Grip

NUP27-126 12 lb 16" SuperGrip

NUP27-167 16 lb 16" SuperGrip



NUP27-082

### Fiberglass Handled Sledge Hammers

- High strength fiberglass handle is UV, moisture, and chemical resistant
- Forged high carbon steel heads with polished faces
- Fiberglass handles are 4x stronger than wood
- Grips are cushion or SuperGrip style
- Made in USA with US and foreign components

NUP27-080 8 lb 32" Cushion Grip

NUP27-083 8 lb 24" SuperGrip

NUP27-084 8 lb 24" Cushion Grip

NUP27-091 8 lb 28" SuperGrip

NUP27-120 12 lb 32" Cushion Grip

NUP27-121 12 lb 32" SuperGrip

NUP27-122 12 lb 36" Cushion Grip

NUP27-129 12 lb 28" Cushion Grip

NUP27-160 16 lb 32" SuperGrip

NUP27-161 16 lb 32" SuperGrip

NUP27-162 16 lb 36" Cushion Grip

NUP27-200 20 lb 36" SuperGrip

NUP27-201 20 lb 36" SuperGrip



NUP27-080

## Socket Drivers: 1/4" Drive

### E10 5-Lobe Socket for Tesla® Vehicles

- Used to remove the license plate bracket fasteners on the Tesla® Model S and used on the Tesla® Model 3 to remove the electrical connectors
- 1/4" Drive
- 25 mm length
- DANGER: Caution when using on electric vehicles. High Voltage Shock Possible.

Applicable:  
Tesla®

ASTTSE10TP5



ASSENMACHER  
SPECIALTY TOOLS  
ASTTOOL.COM



ASTTSE10TP5

## Socket Drivers: TORX®



### 12 pc TORX® Bit Set

- Super low profile design allows for superior access compared to low profile TORX® sockets
- Wrench drive side fits securely on any 10, 12 or 17 mm wrench or socket
- Design also provides additional strength and a lower profile than standard ratchet drive hex sockets
- Ball detent and bottoming shelf securely holds the bit into the drive unit
- Chrome vanadium polished surface
- Includes blow-molded case

EZRT1000 Set

Includes:

EZRT1010 T10 Bits

EZRT1015 T15 Bits

EZRT1020 T20 Bits

EZRT1025 T25 Bits

EZRT1027 T27 Bits

EZRT1030 T30 Bits

EZRT1040 T40 Bits

EZRT1045 T45 Bits

EZRT1047 T47 Bits\*

EZRT1050 T50 Bits

EZRT1055 T55 Bits

EZRT1060 T60 Bits



EZRT1000

## Sockets and Socket Drivers: Special Application



ASSENMACHER  
SPECIALTY TOOLS  
ASTTOOL.COM

### Socket and Bit Set for VW®, Audi® and Porsche® Vehicles

AST6300 Set

AST6300X12 R&R of axle shaft bolts on newer Jetta® (Gas) and rear toe adjustment on 1999–newer Audi® A6® vehicles

AST6300X14 R&R of Audi® TT® differential bracket and for bell housing bolts with tight clearance on various VW® model vehicles

AST6300X16 R&R of manual transmission drain plug and Porsche® Cayenne® vehicle brake caliper bolts

AST6300XL10 R&R of axle shaft bolts on new body Passat® and Golf® vehicles

AST6300XL14 R&R of late model Eurovan axle shafts and ball joints

AST6300XL8 R&R of axle shaft bolts on Beetle®, Jetta® TDI® and older VW® and Audi® model vehicles



AST6300

\*T47 is not a TORX® licensed product.



# Hand Tools

## Sockets and Socket Drivers: Special Application



AST6500-14

### 7 pc Axle Nut Socket Set for VW® and Audi® Vehicles

- 14 mm Allen Socket
- Overall length 37 mm
- Applicable: (1996–2001) Audi® A4® Quattro® front and rear axle bolts and (1996–2002) Volkswagen® Passat® rear axle bolts

AST6500-14



AST6500-17

### 8 pc Axle Nut Socket Set for VW® and Audi® Vehicles

- 17 mm Allen Socket
- Overall length 38 mm
- Applicable: (2002–2009) Audi® A4® (AWD) front and rear axle bolts, (1999–2009) Audi® A6® front axle bolts and (1998–2005) Volkswagen® Passat® front axle bolts
- 1/2" drive impact socket

AST6500-17



AST6500X-24

### 10 pc Axle Nut Socket Set for VW® and Audi® Vehicles

- 24 mm socket, 1/2" drive, 38 mm long
- Used for R&R of front axle bolts
- Applicable to VW® Golf® (2010–2013) and Tiguan® 4Motion® (2009–2015)

AST6500X-24



AST6500X32

### 12 pc Axle Nut Socket Set for VW® and Audi® Vehicles

- 32 mm 12-Point Socket
- Used for removal and reinstall of front and rear axle nuts on VW® Touareg®
- 3/4" drive impact socket

AST6500X32

### 6 pc Axle Nut Socket Set for VW® and Audi® Vehicles

- Axle nut socket set covers all Volkswagen® and Audi® vehicles from 1996–2013 with a 14 and 17 mm Allen, as well as an 18, 24, 30 and 32 mm 12-point socket

Set Includes: AST6500-14, AST6500-17, AST6500X-18, AST6500X-24, AST6500X30 and AST6500X32

AST6506



AST6506



ASTBMW10160

### Extra Long 10 mm Socket

- 10 mm, 160 mm long socket, 1/4" drive and extra deep
- Used for R&R of the ground connector screw for the injector on BMW®. N54 engines and Mercedes-Benz® rear bumpers
- Made in USA

ASTBMW10160

### Lug Nut Socket for Mercedes® Vehicles

- 17 mm "Flower Shaped" lug nut socket
- Applicable to: Maybach® and Mercedes® 221 S-Class and late model CL-Class
- Fits Mercedes® wheel lug bolt part number 0009905407

ASTM17WLS



ASTM17WLS

### Extra Long Lug Nut Socket for Mercedes® Vehicles

- 88 mm long design with plastic sleeve for both reach and scratch protection into the wheels
- 17 mm flower shaped lug nut socket
- Fits Mercedes® wheel lug bolt part number 000 990 5407

ASTM17XLWS



ASTM17XLWS

## Sockets and Socket Drivers: Special Application



KDT89013D

### 1/4" Vortex™ Bit Socket T30

- Very low profile
- Can be used with conventional ratchets
- Reach fasteners in tight spaces with ease

KDT89013D



KDT89024D

### 3/8" Vortex™ Bit Socket T47

- Very low profile
- Can be used with conventional ratchets
- Reach fasteners in tight spaces with ease

KDT89024D



KDT89025D

### 3/8" Vortex™ Bit Socket T50

- Very low profile
- Can be used with conventional ratchets
- Reach fasteners in tight spaces with ease

KDT89025D



## Sockets and Socket Drivers: Special Application

### Fuel Filter Socket for Dodge® Vehicles

- Helps remove and install fuel filters on 5.9 L Cummins® engines
- Use the low profile, 29 mm socket on the raised hex on the fuel filter housing
- 3/8" Drive

**LIL14600** 29 mm (1-1/8") for Dodge® Cummins® Fuel Filter Housing



LIL14600

### 19 mm Harmonic Balancer Socket for Honda® Vehicles

- Heavy-duty impact socket designed with more than three times the standard socket mass to direct more energy to removing the bolt
- Use on Honda® engines that need a 19 mm hex pulley damper bolt or other 19 mm applications
- Made with heat-treated, impact quality alloy steel
- Use with 1/2" drive

**LIL77080**



LIL77080

### Locknut Socket for Dodge® Vehicles

#### Applicable:

1994–newer Dodge® vehicles 1/2 ton 4x4 pickups with Dana® 44 front axle and Dana® 60 axle with vacuum disconnect

**OTC6006**



OTC6006

### Locknut Socket for Toyota® Vehicles

- Similar to Toyota® vehicle no. 09318-12010-01

#### Applicable:

4WD lock-out hubs on Toyota® 1995 and newer Tacoma®, and 1996–newer T100® and 4Runner® vehicles

**OTC7941**



OTC7941

### Fuel Pump Socket for Volvo® Vehicles

- Designed to remove the left and right fuel pump retaining nuts on all late model Volvo® vehicles
- Plastic retaining nuts are easily broken when improper tools are used
- Gives easy access to the XC90's left tank unit retaining nut without removing the large frame under the seat bottom
- Saves time

#### Applicable:

S80 1999–later, all 2001–later

**SEY69800** Fuel Pump Socket for Volvo® Vehicles



SEY69800

### Fuel Filter Banjo Bolt Socket for Honda® and Acura® Vehicles

#### Applicable:

1986–later fuel-injected Honda® and Acura® vehicles

**SEY89800**



SEY89800

## Specialty Wrenches

### Thermostat Wrench for GM® Vehicles

- Designed to work on GM® 3.1 L and 3.4 L V6 engines
- Unique shape and design allows users to remove and install the housings in a fraction of the time it currently takes
- Wrench is a 13 mm, 12-point with special bends specifically for GM® V6 thermostat housings
- CA residents see page 365 for Proposition 65 warning. ⚠

**HRR751**



HRR751

## Terminal Crimpers

### Indent Crimping Tool

- Use hammer or vise
- Spring-loaded pin
- Compact and lightweight
- 8 gauge to 4/0 AWG
- Made from cast steel

**EZRB790C**



EZRB790C

### 3-Point Crimper

- Crimps cable terminal ends onto cables up to 4/0 AWG
- Convenient 3/8" drive holding fixtures
- Portable, durable and compact
- Designed for 3/8" cordless or impact tools
- Crimps cables on the vehicle
- Great for stereo installs

**EZRB7946**

EZRB7946



### Heavy Duty Crimping Tool

- Exerts equal pressure on all contact points
- 50 different crimp settings
- No dies to replace or misalign
- Crimps 6 gauge through approximately 5/8" cable

**EZRB795**



EZRB795

# Hand Tools

## Terminal Crimpers

### KNIPEX® Twistor 16

- Combines the features of a front and side crimper into one tool
- Crimping head can be rotated 360° and has eight locking positions for a secure crimp in all positions
- Crimps end sleeves (ferrules) fully automatically; no more guessing to determine if the wire is secure in the end sleeve
- Creates a square crimp profile for wires sizes between 26 AWG and 6 AWG
- Made of chrome vanadium electric steel in special quality, oil-hardened
- Will also crimp twin end sleeves (ferrules) up to 2 x 6 mm<sup>2</sup>

**KNX975318**



**KNX975318**

### Open Barrel Crimping Tool

- Crimps most open barrel terminals such as Deutsch, computer sensor and Weather Pack
- Handles wire sizes 14–24 gauge
- Has a thin profile to allow access to hard-to-reach areas
- Steel construction
- Comfortable cushioned grips

**SAG18600**



**SAG18600**

### Terminal Crimper with Rotating Die Set

- Crimps popular 8–4/0 AWG copper electrical and battery terminals using stranded wire
- Rotating dies make hexagonal crimps and are always on tool
- Long handles for increased leverage
- Comfortable handle grips
- 26" overall length
- Heavy-duty, all metal construction
- Instructions included

**SAG18840**



**SAG18840**

### Deutsch 6, 8 and 10 Gauge Closed Barrel Terminal Crimper

- For use with larger diameter 6, 8 and 10 gauge closed barrel contact size 4 and 8 terminals
- To use, install the appropriate die set, next insert the terminal and wire between the jaws, then squeeze the handles together to complete the crimp
- Includes two die sets – one for 6 gauge and the other for 8 and 10 gauge wire
- Long handles for increased leverage
- All steel construction
- Comfortable handle grips
- 18" overall length

**SAG18870**



**SAG18870**

### Angled Crimping Pliers

- Universal crimping design accommodates soft wire 10–22 AWG
- 9" (228 mm) in length with protective grips to increase leverage and secure crimp
- Angled design keeps the connector, the wire and the crimper "in-line", improving visibility and access in hard-to-reach places
- Designed to not pierce connector insulation and also works on un-insulated connectors

**OTC5912**



**OTC5912**

### Master Terminal Service Kit

- 11 piece kit to crimp and release the most popular automotive specialized terminals
- Use on: Deutsch open and closed barrel, Weather Pack, Metri Pack®, Molex® and other open barrel terminals

**SAG18700**



**SAG18700**

### Deutsch 12 Gauge Closed Barrel Terminal Crimper

- For use with 12 gauge (contact size 12) closed barrel Deutsch terminals as found on trucks, construction equipment, race cars, agricultural implements, heavy-duty vehicles and other vehicles and equipment subject to excessive vibration and harsh environments that can contaminate or damage electrical connections and systems
- Easy to use – insert terminal and wire, then squeeze handles tightly together to complete the crimp
- Ratcheting action provides perfect crimp
- Steel construction
- Comfortable cushioned grips

**SAG18860**



**SAG18860**

### Terminal Crimper for Deutsch Terminals

- Crimps Deutsch closed barrel terminals found on motorcycles, trucks, construction equipment, race cars, agricultural equipment, heavy-duty vehicles and other vehicles and equipment subject to excessive vibration
- Easy-to-use – simply insert terminal and wire, then squeeze handles tightly together to complete the crimp
- Ratcheting action provides perfect crimp
- Steel construction
- Comfortable cushioned grips

**SAG18880** For Use with 14, 16 and 18 Gauge Closed Barrel Terminals (contact size 16)

**SAG18890** For Use with 20 and 22 Gauge Closed Barrel Terminals (contact size 20)



**SAG18880**

## Terminal Crimpers

### Professional Ratcheting Terminal Crimper

- Ratcheting action ensures a perfect crimp every time
- Eliminates damaged or distorted terminals
- Crimps 10–22 gauge insulated terminals

**SAG18900**



**SAG18900**

### Terminal Crimper for Weather Pack and Metri Pack® Terminals

- Easily crimps 12–22 AWG open barrel weather pack, Metri Pack® and Molex® terminals and seals in two operations
- Has (4) wire crimping and (2) seal crimping positions
- Thin profile
- Steel construction
- Comfortable cushion grips

**SAG18915**



**SAG18915**

### Ratcheting Terminal Crimper for Weather Pack Terminals

- For most Weather Pack terminals and non-insulated open-barrel connectors 22–10 AWG
- Ensures a perfect crimp every time
- Steel frame with contoured grips

**SAG18930**



**SAG18930**

### Quick Change Ratcheting Terminal Crimping Tool

**SAG18972**



**SAG18972**

### Weather Pack and Metri Pack® Terminal Crimper

- Easily crimps 14–22 gauge open barrel Weather Pack and 150 and 280 Series Metri Pack® terminals and seals in two operations
- Has three wire crimping and two seal crimping positions
- Thin profile allows access to hard-to-reach areas
- Steel construction
- Comfortable cushioned grips

**SAG18910**



**SAG18910**

### Ratcheting Terminal Crimping Kit

- Versatile kit includes five dies for virtually all uses
- Die sets quickly interchange
- Crimping tool has steel frame with contoured grips
- Supplied in a durable, plastic-molded storage case
- Die sets are not for use with SAG18900

**Also Available:**

**SAG18928**

**SAG18920 Kit**

**Die set for RG-6/RG-59 coaxial cable. Optional. Not included in SAG18920**

**Includes:**

**SAG18921** For insulated terminals 22–10 AWG

**SAG18922** For non-insulated open barrel connectors 22–10 AWG including Weather Pack terminals

**SAG18924** For non-insulated terminals 22–8 AWG



**SAG18920**

### Quick-Change Ratcheting Terminal Crimping Kit

- Quickly and easily change die sets with the press of a lever
- Includes seven die sets for the most popular automotive terminal crimping applications
- Crimping tool has a steel frame with comfortable cushion grips
- Ratcheting action ensures a perfect crimp every time
- Supplied in a durable, plastic molded storage case with carrying handle

**SAG18960 Kit**

**Includes:**

**SAG18921** For insulated terminals 22–10 AWG

**SAG18922** For non-insulated open barrel connectors 22–10 AWG including Weather Pack terminals

**SAG18924** For non-insulated terminals 22–8 AWG



**SAG18960**

## TORX Plus®

### 5-Lobe Tamper-Proof Bit Set

- Bits are 5-lobe and 1/4" drive

**Set Includes:** Bits: T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45 and T-50

**AST3900**



**AST3900**

### 9 pc TORX Plus® Bit Set

- For new TORX Plus® fasteners
- TORX Plus® fasteners are less pointed than standard TORX® fasteners and are the only bits available for replacing them

**Set Includes:** Sizes from TP10 to TP50 with 1/4" and 3/8" square drive sockets

**OTC6180**



**OTC6180**

# Hand Tools

## Tube Flaring

### Professional Brake Flaring Tools

- Produces OE precision quality brake flares
- Easily forms 45° double, single and bubble flares in OE steel, stainless steel and soft metal tubing
- For use with 3/16, 1/4, 5/16 and 3/8" diameter lines
- Handles all plumbing jobs from brake lines to transmission cooler lines and fuel lines
- Turret-style design makes precision flares in minimal time
- T-handle screw clamp securely holds line in place during forming
- Vise-mounted

KTT70081



### Double Flare and Metric Bubble Flaring Tool Set

- Fabricates flare/double flare 3/16, 1/4, 5/16, 3/8 and 1/2"; and metric bubble flare 4.75, 6, 8 and 10 mm
- Comes in a molded carrying case
- CA residents see page 365 for Proposition 65 warning. ⚠

MSL72450



MSL72450

### 37° Flaring and Double Flaring Hydraulic Tool Kit

- Kit fabricates factory style 37° and double flare found on aviation and specialty automotive applications
- Handheld hydraulic pump operates easily with all steel and light stainless tubing
- CA residents see page 365 for Proposition 65 warning. ⚠

MSL72480



MSL72480

### Universal Hydraulic Flaring Tool Set

- Comes in a custom molded box
- This kit fabricates push connect 1/4, 5/16 and 3/8"; GM® fuel line flare, brake lines and transmission 5/16 and 3/8"; flare/double flare 3/16, 1/4, 5/16, 3/8 and 1/2"; metric bubble flare 4.75, 6, 8, and 10 mm
- CA residents see page 365 for Proposition 65 warning. ⚠

MSL72475



MSL72475

### Set Includes:

MSL71202	Hydra-Flare Yoke and Pump Assembly
MSL7109701	45° Flaring Cone
MSL72485-PB	Molded Storage Box

### 45° and Double Flaring Adaptors and Die Sets:

MSL7109703	3/16" Adaptor	MSL71097-13	3/16" Die Set
MSL7109704	1/4" Adaptor	MSL71097-14	1/4" Die Set
MSL71097-05	5/16" Adaptor	MSL71097-15	5/16" Die Set
MSL71097-06	3/8" Adaptor	MSL71097-16	3/8" Die Set
MSL71097-08	1/2" Adaptor	MSL71097-18	1/2" Die Set

### Metric Bubble Flaring Adaptors and Die Sets:

MSL71475-4M	4.75 mm Adaptor	MSL71475-14M	4.75 mm Die Set
MSL71475-6M	6 mm Adaptor	MSL71475-16M	6 mm Die Set
MSL71475-8M	8 mm Adaptor	MSL71475-18M	8 mm Die Set
MSL71475-10M	10 mm Adaptor	MSL71475-110	10 mm Die Set

### Set Includes:

MSL71202	Hydra-Flare Yoke and Pump Assembly
MSL71098-01	37° Flaring Cone
MSL72480-PB	Molded Box for MSL72480

### 37° and Double Flaring Adaptors and Die Sets:

MSL71098-03	3/16" Adaptor	MSL71098-13	3/16" Die Set
MSL71098-04	1/4" Double Adaptor	MSL71098-14	1/4" Die Set
MSL71098-05	5/16" Double Adaptor	MSL71098-15	5/16" Die Set
MSL71098-06	3/8" Double Adaptor	MSL71098-16	3/8" Die Set
MSL71098-08	1/2" Double Adaptor	MSL71098-18	1/2" Die Set

### Set Includes:

MSL71202	Hydra-Flare Yoke and Pump Assembly
MSL7109701	45° Flaring Cone
MSL72485-PB	Molded Storage Box

### Push Connect Adaptors and Die Sets:

MSL71204	1/4" Adaptor	MSL71214	1/4" Die Set
MSL71205	5/16" Adaptor	MSL71215	5/16" Die Set
MSL71206	3/8" Adaptor	MSL71216	3/8" Die Set

### Fuel Line Adapters:

MSL71405	5/16" Adaptor	MSL71415	5/16" Die Set
MSL71406	3/8" Adaptor	MSL71416	3/8" Die Set

### 45° and Double Flaring Adaptors and Die Sets:

MSL7109703	3/16" Adaptor	MSL71097-13	3/16" Die Set
MSL7109704	1/4" Adaptor	MSL71097-14	1/4" Die Set
MSL71097-05	5/16" Adaptor	MSL71097-15	5/16" Die Set
MSL71097-06	3/8" Adaptor	MSL71097-16	3/8" Die Set
MSL71097-08	1/2" Adaptor	MSL71097-18	1/2" Die Set



## Tubing Benders/Cutters

### 1/4" Tubing Bender Pliers

- Bends 1/4" brake lines without kinking or flattening, especially in tight spots
- Bends all types of 1/4" O.D. tubing
- Unique head design bends tubing without collapsing the tube
- Will not mark tube surface
- Handles are more than 3-1/4" apart and unique head design keeps handles in line with the tubing for proper leverage, even when bending steel tubing

**LIL44070**



### 3/16" Tubing Bender Pliers

- Bends 3/16" brake lines without kinking or flattening, especially in tight spots
- Bends all types of 3/16" O.D. tubing
- Unique head design bends tubing without collapsing the tube and without marking the tube surface
- Handles are more than 3-1/4" apart for proper leverage, even when handling steel tubing

**LIL44150**



### Mini Tubing Cutter

- Cuts thin-wall steel, plastic, copper and brass tubing from 1/8–5/8" O.D. (3–22 mm)
- Produces smooth, clean cut
- Compact size allows use in restricted areas
- All metal construction

**SAG14850**

**SAG14853** Replacement Cutting Wheel



**SAG14850**

### Tubing Bender

- Bends 3/16, 1/4, 5/16 and 3/8" O.D. tubing without kinking or collapsing
- Just place tubing in groove and pull the handle to the desired angle
- Contoured handle with grip

**SAG14860**



**SAG14860**

## Wrenches: Adjustable

*Martin Tools*



**MTF89311**



**MTF89315**



**MTF89318**

### Adjustable Auto Wrench

- 11" overall length, 3" jaw opening, 7/16" jaw thickness
- Thin profile head makes the wrench usable with large hydraulic and electrical fittings

**MTF89311**

### 15" Adjustable Auto Wrench

- 15" wrench, jaw opens to 3-7/8"
- Made in USA
- Thin profile head make wrench ideal for working with hydraulic and electrical fittings

**MTF89315** 15" Adjustable Auto Wrench

### 18" Adjustable Auto Wrench

- 18" wrench, jaw opens to 3-7/8"
- Made in USA
- Thin profile head make wrench ideal for working with hydraulic and electrical fittings

**MTF89318** 18" Adjustable Auto Wrench

## Wrenches: Angle

*Martin Tools*

### 11 pc SAE Black Angle Wrench Set

- Black pump wrenches
- Thin pattern for use on jam nuts and in confined areas
- 30° angle heads

**MTFBSW11K** Set

**Includes:**

**MTFBLK1224** 3/4"

**MTFBLK1226** 13/16"

**MTFBLK1228** 7/8"

**MTFBLK1230** 15/16"

**MTFBLK1232** 1"

**MTFBLK1234** 1-1/16"

**MTFBLK1236** 1-1/8"

**MTFBLK1238** 1-3/16"

**MTFBLK1240** 1-1/4"

**MTFBLK1244** 1-3/8"

**MTFBLK1248** 1-1/2"

**MTFC111** Angle Wrench Bag



**MTFBSW11K**

### 11 pc SAE Chrome Angle Wrench Set

- Chrome pump wrenches
- Thin pattern for use on jam nuts and in confined areas
- 30° angle heads

**MTFSW11K** Set

**Includes:**

**MTF1224** 3/4"

**MTF1226** 13/16"

**MTF1228** 7/8"

**MTF1230** 15/16"

**MTF1232** 1"

**MTF1234** 1-1/16"

**MTF1236** 1-1/8"

**MTF1238** 1-3/16"

**MTF1240** 1-1/4"

**MTF1242** 1-5/16"

**MTF1244** 1-3/8"

**MTF1246** 1-7/16"

**MTF1248** 1-1/2"

**MTF1250** 1-9/16"

**MTF1252** 1-5/8"

**MTF1254** 1-11/16"



**MTFSW11K**

**MTF1256** 1-3/4"

**MTF1258** 1-13/16"

**MTF1260** 1-7/8"

**MTF1262** 1-15/16"

**MTF1264** 2"

**MTF1268** 2-1/8"

**MTF1272** 2-1/4"

**MTF1276** 2-3/8"

**MTFC111** Angle Wrench Bag

# Hand Tools

## Wrenches: Angle

*Martin Tools*

### 11 pc Metric Angle Wrench Set

- Chrome pump wrenches
- Thin pattern for use on jam nuts and in confined areas
- 30° angle heads

#### MTFSW11KM Set

##### Includes:

<b>MTF1219MM</b> 19 mm	<b>MTF1232MM</b> 32 mm
<b>MTF1221MM</b> 21 mm	<b>MTF1236MM</b> 36 mm
<b>MTF1222MM</b> 22 mm	<b>MTF1237MM</b> 37 mm
<b>MTF1224MM</b> 24 mm	<b>MTF1238MM</b> 38 mm
<b>MTF1227MM</b> 27 mm	<b>MTF1240MM</b> 40 mm
<b>MTF1230MM</b> 30 mm	<b>MTFC111</b> Angle Wrench Bag



MTFSW11KM

## Wrenches: Flare

### 4 pc Metric Line Wrench Set

- Features a patented ratcheting system
- Ratcheting movement for quicker removals
- Unique geometry allows easier work on damaged, rounded and rusted nuts
- 180° flexheads for hard-to-reach areas
- Opening/closing spring (flarenut) snaps over pipe or nut
- Chrome vanadium steel construction
- Roll up pouch included



EZRLW4M

#### EZRLW4M Set

##### Includes:

<b>EZRLW1213</b> 12 mm–13 mm
<b>EZRLW1415</b> 14 mm–15 mm
<b>EZRLW89</b> 8 mm–9 mm

### 6 pc Metric Flex Flare Nut Wrench Set

- Flex design provides access to hard-to-reach lines and tubes
- Size stamped on both sides for ease of use
- Chrome plated for easy cleanup of oil and fluids

#### KDT81911D Set Includes:



KDT81911D

**GEARWRENCH**



KDT81910

### 5 pc SAE Flex Flare Nut Wrench Set

- Flex design provides access to hard-to-reach lines and tubes
- Size stamped on both sides for ease of use
- Chrome plated for easy cleanup of oil and fluids

#### KDT81910 Set

##### Includes:

<b>KDT81693</b> 1/4" x 5/16"
<b>KDT81694</b> 3/8" x 7/16"
<b>KDT81695</b> 1/2" x 9/16"
<b>KDT81696</b> 5/8" x 11/16"
<b>KDT81697</b> 3/4" x 7/8"

### Single End SAE Flare Nut Wrenches

- 12-point offers more contact with the fitting and less chance of slippage
- 7.5° single opening
- Round stem, industrial black and chrome finish

#### Chrome

<b>MTF1241MM</b> 41 mm	<b>MTF4116</b> 1/2"
<b>MTF1242MM</b> 42 mm	<b>MTF4118</b> 9/16"
<b>MTF1244MM</b> 44 mm	<b>MTF4120</b> 5/8"
<b>MTF1246MM</b> 46 mm	<b>MTF4122</b> 11/16"
<b>MTF1248MM</b> 48 mm	<b>MTF4124</b> 3/4"
<b>MTF1250MM</b> 50 mm	<b>MTF4126</b> 13/16"
<b>MTF1252MM</b> 52 mm	<b>MTF4128</b> 7/8"
<b>MTF1255MM</b> 55 mm	<b>MTF4130</b> 15/16"
<b>MTF1260MM</b> 60 mm	<b>MTF4132</b> 1"
<b>MTF1264S</b> 2-9/16"	<b>MTF4134</b> 1-1/16"
<b>MTF1265MM</b> 65 mm	<b>MTF4136</b> 1-1/8"
<b>MTF1272S</b> 2-1/2"	<b>MTF4140</b> 1-1/4"
<b>MTF4112</b> 3/8"	<b>MTF4144</b> 1-3/8"
<b>MTF4114</b> 7/16"	<b>MTF4148</b> 1-1/2"

#### Industrial Black

<b>MTFBLK1242</b> 1-5/16"	<b>MTFBLK4112</b> 3/8"
<b>MTFBLK1246</b> 1-7/16"	<b>MTFBLK4114</b> 7/16"
<b>MTFBLK1250</b> 1-9/16"	<b>MTFBLK4116</b> 1/2"
<b>MTFBLK1252</b> 1-5/8"	<b>MTFBLK4118</b> 9/16"
<b>MTFBLK1254</b> 1-11/16"	<b>MTFBLK4120</b> 5/8"
<b>MTFBLK1256</b> 1-3/4"	<b>MTFBLK4122</b> 11/16"
<b>MTFBLK1258</b> 1-13/16"	<b>MTFBLK4124</b> 3/4"
<b>MTFBLK1260</b> 1-7/8"	<b>MTFBLK4126</b> 13/16"
<b>MTFBLK1262</b> 1-15/16"	<b>MTFBLK4128</b> 7/8"
<b>MTFBLK1264</b> 2"	<b>MTFBLK4130</b> 15/16"
<b>MTFBLK1264S</b> 2-9/16"	<b>MTFBLK4132</b> 1"
<b>MTFBLK1268</b> 2-1/8"	<b>MTFBLK4134</b> 1-1/16"
<b>MTFBLK1272</b> 2-1/4"	<b>MTFBLK4136</b> 1-1/8"
<b>MTFBLK1272S</b> 2-1/2"	<b>MTFBLK4140</b> 1-1/4"
<b>MTFBLK1276</b> 2-3/8"	<b>MTFBLK4144</b> 1-3/8"
	<b>MTFBLK4148</b> 1-1/2"

*Martin Tools*



MTF4112

## Wrenches: Ratcheting Combination



KDT9312



KDT9308D



KDT9317



KDT9309D

### SAE Ratcheting Combination GearWrench® Sets

- Ratcheting box end needs as little as 5° to move fasteners
- Bright, full polish chrome finish
- Surface Drive on box end provides off-corner loading
- Improved speed and access with ratcheting box end

**KDT9312** 13 pc SAE Set (Includes 1/4–1" wrenches)

**KDT9308D** 8 pc SAE Set (Includes 5/16–3/4" wrenches)

**KDT9317** 7 pc SAE Set (Includes 5/16–5/8", 3/4" wrenches)

**KDT9309D** 4 pc SAE Set (Includes 13/16–1" wrenches)

**KDT9008** 1/4"

**KDT9010D** 5/16"

**KDT9011D** 11/32"

**KDT9012D** 3/8"

**KDT9014** 7/16"

**KDT9016D** 1/2"

**KDT9018D** 9/16"

**KDT9020** 5/8"

**KDT9022** 11/16"

**KDT9024** 3/4"

**KDT9026D** 13/16"

**KDT9028D** 7/8"

**KDT9030** 15/16"

**KDT9032** 1"



KDT9416



KDT9412



KDT9417



KDT9413

### Metric Combination GearWrench® Set

- Ratcheting box end needs as little as 5° to move fasteners
- Bright, full polish chrome finish
- Surface Drive on box end provides off-corner loading
- Improved speed and access with ratcheting box end

**KDT9416** 16 pc Metric Set (Includes 8–24 mm wrenches)

**KDT9412** 12 pc Metric Set (Includes 8–19 mm wrenches)

**KDT9417** 7 pc Metric Set (Includes 8, 10, 12–15, 18 mm wrenches)

**KDT9413** 4 pc Metric Set (Includes 21–25 mm wrenches)

**KDT9108D** 8 mm

**KDT9109** 9 mm

**KDT9110D** 10 mm

**KDT9111** 11 mm

**KDT9112** 12 mm

**KDT9113D** 13 mm

**KDT9114D** 14 mm

**KDT9115D** 15 mm

**KDT9116D** 16 mm

**KDT9117D** 17 mm

**KDT9118D** 18 mm

**KDT9119** 19 mm

**KDT9120** 20 mm

**KDT9121** 21 mm

**KDT9122** 22 mm

**KDT9124** 24 mm

**KDT9125D** 25 mm

## Wrenches: Ratcheting Extra-Long X-Beam™ Combination



### SAE XL X-Beam™ Ratcheting Combination Wrench Set

- X-Beam™ lets you work with the wrench's wider side for more power, with less stress on your hand. The X-Beam™ from GearWrench® will change the way you look at wrenches.
- The wider, super-strong crossbeam increases contact area with your hand by 500% over traditional wrenches
- Reduces open-end head clearance by up to 75% to reach even the tightest spaces

**KDT85898** 9 pc SAE Set

**KDT85850** 5/16"

**KDT85851** 11/32"

**KDT85852** 3/8"

**KDT85854** 7/16"

**KDT85856** 1/2"

**KDT85858** 9/16"



KDT85898

**KDT85860** 5/8"

**KDT85862** 11/16"

**KDT85864** 3/4"

### Metric XL X-Beam™ Ratcheting Combination Wrench Set

- X-Beam™ lets you work with the wrench's wider side for more power with less stress on your hand. The new X-Beam™ from GearWrench® will change the way you look at wrenches.
- The wider, super-strong crossbeam increases contact area with your hand by 500% over traditional wrenches
- Reduces open-end head clearance by up to 75% to reach even the tightest spaces

**KDT85888** 12 pc Metric Set

**KDT85808** 8 mm

**KDT85809** 9 mm

**KDT85810** 10 mm

**KDT85811** 11 mm

**KDT85812** 12 mm

**KDT85813** 13 mm

**KDT85814** 14 mm

**KDT85815** 15 mm



KDT85888

**KDT85816** 16 mm

**KDT85817** 17 mm

**KDT85818** 18 mm

**KDT85819** 19 mm



# Hand Tools

## Wrenches: Ratcheting Flex-Head Combination

### SAE Flex-Head Combination GearWrench® Set

<b>KDT9701</b> 8 pc SAE Set	<b>KDT9708</b> 1/2"
<b>KDT9705</b> 5/16"	<b>KDT9709</b> 9/16"
<b>KDT9706</b> 3/8"	<b>KDT9710</b> 5/8"
<b>KDT9707</b> 7/16"	<b>KDT9711</b> 11/16"
	<b>KDT9712</b> 3/4"

KDT9701



### Metric Flex-Head Combination GearWrench® Set

<b>KDT9901</b> 12 Metric Set	
<b>KDT9908</b> 8 mm	<b>KDT9914</b> 14 mm
<b>KDT9909</b> 9 mm	<b>KDT9915</b> 15 mm
<b>KDT9910</b> 10 mm	<b>KDT9916</b> 16 mm
<b>KDT9911</b> 11 mm	<b>KDT9917</b> 17 mm
<b>KDT9912</b> 12 mm	<b>KDT9918</b> 18 mm
<b>KDT9913</b> 13 mm	<b>KDT9919</b> 19 mm

KDT9901



**GW GEARWRENCH**

## Wrenches: Ratcheting Flex-Head Double Box

### Locking Flex-Head Double Box Ratcheting Wrench Sets

- Universal spline
- Extra-long
- Box ends have flexible, non-reversible, head with an offset gear for greater reach capabilities
- Patented 72-tooth design
- Packaged in high-density foam tray
- Universal spline works with five fastener types; TORX®, square, 6-point, 12-point, 6-point 50% rounded

#### EZRWR4SL 4 pc SAE Set

<b>EZRWR511634</b> 11/16"–3/4"	<b>EZRWR571612</b> 7/16"–1/2"
<b>EZRWR551638</b> 5/16"–3/8"	<b>EZRWR591658</b> 9/16"–5/8"

### Locking Flex-Head Double Box Ratcheting Wrench Sets

- Universal spline
- Extra-long
- Box ends have flexible, non-reversible, head with an offset gear for greater reach capabilities
- Patented 72-tooth design
- Packaged in high-density foam tray
- Universal spline works with five fastener types; TORX®, square, 6-point, 12-point, 6-point 50% rounded

#### EZRWR5ML 5 pc Metric Set

<b>EZRWRM810</b> 8 mm–10 mmw	<b>EZRWRM1315</b> 13 mm–15 mm
<b>EZRWRM1214</b> 12 mm–14 mm	<b>EZRWRM1618</b> 16 mm–18 mm
	<b>EZRWRM1719</b> 17 mm–19 mm



## Wrenches: Ratcheting Flex-Head X-Beam™ Combination

### SAE XL X-Beam™ Flex Combination Wrench Set

- Increase in surface contact area to reduce hand fatigue
- Surface Drive Plus™ provides stronger grip on fasteners, reduces fastener rounding and delivers up to 25% more torque
- Flexible head
- Hex head set screw
- Improved box end strength

<b>KDT85298</b> 9 pc SAE Set	<b>KDT85276</b> 1/2"
<b>KDT85270</b> 5/16"	<b>KDT85278</b> 9/16"
<b>KDT85271</b> 11/32"	<b>KDT85280</b> 5/8"
<b>KDT85272</b> 3/8"	<b>KDT85282</b> 11/16"
<b>KDT85274</b> 7/16"	<b>KDT85284</b> 3/4"

KDT85298



### Metric XL X-Beam™ Flex Combination Wrench Set

- Increase in surface contact area to reduce hand fatigue
- Surface Drive Plus™ provides stronger grip on fasteners, reduces fastener rounding and delivers up to 25% more torque
- Flexible head
- Hex head set screw
- Improved box end strength

#### KDT85288 12 pc Metric Set

<b>KDT85258</b> 8 mm	<b>KDT85264</b> 14 mm
<b>KDT85259</b> 9 mm	<b>KDT85265</b> 15 mm
<b>KDT85260</b> 10 mm	<b>KDT85266</b> 16 mm
<b>KDT85261</b> 11 mm	<b>KDT85267</b> 17 mm
<b>KDT85262</b> 12 mm	<b>KDT85268</b> 18 mm
<b>KDT85263</b> 13 mm	<b>KDT85269</b> 19 mm

KDT85288



**GW GEARWRENCH**

## Wrenches: Reversible Ratcheting Combination

### 12 Point SAE Reversible Combination Ratcheting Wrench Set

- Ratcheting box end needs as little as 5° to move the fastener
- Bright, full polish chrome finish
- Surface drive on box end provides off-corner loading
- Improved speed and access with ratcheting box end

#### KDT9509N 13 pc SAE Set (Includes 5/16–1" wrenches)

<b>KDT9533</b> 8 pc SAE Set (Includes 5/16–3/4" wrenches)	
<b>KDT9525ND</b> 5/16"	
<b>KDT9521ND</b> 11/32"	<b>KDT9531ND</b> 11/16"
<b>KDT9526ND</b> 3/8"	<b>KDT9532</b> 3/4"
<b>KDT9527</b> 7/16"	<b>KDT9534</b> 13/16"
<b>KDT9528</b> 1/2"	<b>KDT9538</b> 7/8"
<b>KDT9529</b> 9/16"	<b>KDT9539</b> 15/16"
<b>KDT9530ND</b> 5/8"	<b>KDT9540</b> 1"

KDT9509N



KDT9533

### Metric Reversible Ratcheting Combination Wrench Set

- Ratcheting box end needs as little as 5° to move the fastener
- Bright, full polish chrome finish
- Surface drive on box end provides off-corner loading
- Improved speed and access with ratcheting box end

#### KDT9602 16 pc Metric Set (Includes 8–25 mm wrenches)

<b>KDT9620</b> 12 pc Metric Set (Includes 8–19 mm wrenches)	
<b>KDT9608</b> 8 mm	
<b>KDT9609</b> 9 mm	
<b>KDT9610</b> 10 mm	<b>KDT9617</b> 17 mm
<b>KDT9611</b> 11 mm	<b>KDT9618</b> 18 mm
<b>KDT9612</b> 12 mm	<b>KDT9619</b> 19 mm
<b>KDT9613</b> 13 mm	<b>KDT9621</b> 21 mm
<b>KDT9614</b> 14 mm	<b>KDT9622</b> 22 mm
<b>KDT9615</b> 15 mm	<b>KDT9624</b> 24 mm
<b>KDT9616</b> 16 mm	<b>KDT9625</b> 25 mm

KDT9602



KDT9620

**GW GEARWRENCH**



## Adjustable Gland Nut Wrench



### Adjustable Gland Nut Wrench

- Designed to fit hydraulic cylinders on most farm and construction equipment
- Fits gland nuts from 2–6" diameter pin to pin
- Reversible to fit 1/4 and 5/16" diameter pinholes
- Accommodates a 3/4" drive ratchet or breaker bar

OTC1266

OTC204928 Replacement Pins



OTC1266

## Axle Stud Cone Pliers



### Axle Stud Cone Pliers

- Easily remove the tapered cone from studs used on medium and heavy-duty truck rear axles
- Specially designed pliers provide the leverage needed to expand the cone and remove it from the stud for axle removal

OTC7077



OTC7077

## Cylinder Liner Pullers



ASSENMACHER  
SPECIALTY TOOLS  
ASTTool.com

### Universal Cylinder Liner Puller

- Used to remove the cylinder liners on Caterpillar®, Cummins®, Detroit Diesel®, Mercedes® OM460 and Volvo® D13 engines
- Spring-loaded arms adjust to fit the liner automatically
- Includes longer threaded shaft and arms, along with inserts for Detroit Diesel®
- Comparable to tools #PT6400-C and #PT6410-5
- Heavy duty construction

### Applicable:

Caterpillar®, Cummins®, Detroit Diesel®, Mercedes®s OM460 and Volvo® D13 engines.

ASTHTLP100



ASTHTLP100

## Engine Turning Tools



### Engine Barring Socket

#### Applicable:

Mack® E7 and Caterpillar® 3406 engines

KTMJ38587A



KTMJ38587A

## Engine Turning Tools



### Turning Tool for Cummins® Engines

- Makes easy work out of manually cranking over the Cummins® 855 in³ diesel engines
- Designed for use when bringing pistons to top dead center for injector timing

OTC7161



OTC7161

## Holding Tool



SCHLEY PRODUCTS INC.

### Heavy-Duty Air Brake/Treadle Valve Holding Tool

- Manufactured to hold two treadle valves so air pressure fitting can be exchanged from old valve to new
- Saves time in reinstallation processes
- Same angle of pressure fitting can be attained when valves held side-by-side

SEY67400



SEY67400

## Hub Oil Seal Remover



### Hub Oil Seal Remover

- Eliminates bearing and hub damage that can occur when using a punch and hammer to remove the seal
- Extra-long 28" handle provides leverage and the unique pulling head design quickly and easily removes the seal in one piece
- Built from the highest quality heat-treated steel
- Removes hub seals on trailer and truck steering axles

OTC5085



OTC5085

## Leak Detection



### 9 pc Turbo Air System Test Kit

LIL69850 95/100 Plugged Adaptor

LIL69860 95/100 Air Fitting Adaptor

LIL69870 105/110 Plugged Adaptor

LIL69880 105/110 Air Fitting Adaptor

LIL69890 Gray Plastic Case

LIL69850



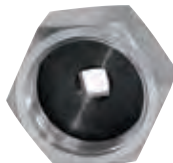
## Oil Filter Nipple Installer



### Oil Filter Nipple Installer for Series 60 Detroit Diesel® Engines

- Reinstall or tighten the oil filter nipple into the oil filter housing
- 2" hex nut with a 3/8" drive plate
- Features a 3/8" square drive so it can be used with a ratchet or torque wrench
- Used at every oil change interval to quickly check that the nipple is secure in the oil filter housing
- Due to normal oil filter changes, the nipple has a tendency to come loose. When the nipple is loose, the filter can become loose during engine operation resulting in oil loss, down-time and possible engine damage
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM486



AEM486

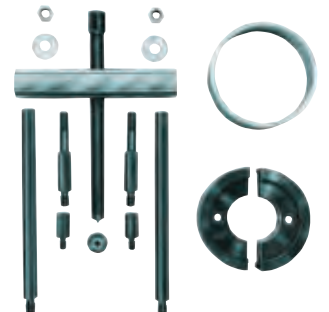
## Transmission Bearing Service Kit



### Transmission Bearing Service Kit

- Designed for removing input shaft bearings, main transmission front countershaft bearings and auxiliary section countershaft bearings on Fuller® 125, 600, 660, 900, 9500, 1100, 12500, 12600, 13000, 14600, 15600 and 8600 series, 910–913, 915 and 9513 twin countershaft truck transmissions
- Removes 1600/1610–1810 series end yokes
- Puller supplies 10 tons of mechanical power

OTC7070A



OTC7070A

# Ignition and Spark Plug

## Distributor Wrenches

**GW GEARWRENCH**

### Distributor Clamp Wrench

- Reach around obstructions to turn the distributor lock nut with this double-ended wrench
- Fits 1/2" and 9/16" lock nuts
- Use an adaptor to join wrenches or attach the wrench to a 3/8" ratchet or extension



**KDT104**

## Glow Plug Tools

**AST** ASSENMACHER  
SPECIALTY TOOLS  
ASTTool.com

### Glow Plug Pliers for Sprinter® Vehicles

- Used for disconnecting the electrical connector that is attached to the glow plug used on Dodge® Sprinter® vehicles and 2006–2012 Mercedes® models with the 3.0 L V6 CRD



**ASTSPR0558**

## Ignition Testers

### In-Line Spark Checker Kit

- For vehicles with recessed spark plugs and conventional and coil-on plug ignition systems
- Use to test spark plug circuits, electronic fuel injection signals and idle air control circuits
- Quickly diagnose "no start" and engine miss conditions in the electrical fuel injection and spark plug circuits
- Analyze rough running engines

**Includes:** SAG23970 In-Line Spark Checker Kit for Recessed Plugs; (8) Noid Lights for Checking GM® PFI, Ford® TBI, GEO® TBI, Bosch® PFI, GM® TBI, GM® SCPIr, Bosch® 2 and GM® MULTEC® 2; (2) IAC Test Lights for Straight and 90° Applications

**SAG36350**



**SAG36350**

### kV/Arc Quick Probe

- Easy-to-use
- Works on distributor and DIS systems
- Indicates spark polarity on DIS systems
- Detect problems caused by faulty wires, plugs, cap, rotor, coil(s), etc.
- Allows the user to determine if the secondary ignition is firing consistently, intermittently misfiring or not firing at all
- Battery operated



**WAE76760**

## Installers/Removers

**STEELMAN**  
J5 PRODUCTS, INC.



**JSP08310R**

### 12" Red Plug Starter

- Super-flexible shaft holds its shape for the desired angle to accurately install most spark plugs
- Starts those hard-to-reach plugs with no more cross threading
- Saves knuckles, time and injuries

**JSP08310R**

**Lisle**



**LIL65700**

### Broken Plug Remover Kit Ford® 3V

- A three-step kit for removing spark plugs that have seized in the engine head and broken
- Porcelain puller tool that snaps onto the terminal of a broken spark plug to pull the porcelain out
- Porcelain pusher for when the porcelain breaks off in the spark plug tip
- Self-tapping puller to remove the seized metal tip
- Comes in a blow-molded plastic case for storage

**LIL65700** Self-Tapping Puller

**LIL65710** Spark Plug Porcelain Puller

**LIL65730** Porcelain Puller with Sleeve

**THEXTON**



**THX492**

### Spark Plug Installer/Remover Set

- Set includes 3" and 6" starters
- 6" length is for coil-on plug applications and engines with recessed spark plugs
- 3" version is for applications where space is limited
- Made of flexible, heat-resistant plastic
- Stepped shaft to grip insulator

**THX492**

## Spark Plug Repair

### Fix-A-Thred® Plug-Saver Kit

- Replaces stripped spark plug threads on aluminum heads with 14 mm spark plugs
- Installs a new spark plug thread insert in original thread location
- Kit comes in blow-molded case for storage
- Detailed instructions are included with the tool

**LIL65200** Kit

**Includes:**

**REC98141**



**LIL65200**

### Thread Inserts (10 pk)

**LIL66130** Thread Inserts (10 pk)



**LIL66130**

**Lisle**

## Spark Plug Repair

**FIX-A-THRED**

### Fix-A-Thred® Kit for Triton® Engines

- Plug-saver kit designed specially for repair of 4.6 L, 5.4 L and 6.8 L Ford® Triton® engines
- Ensures permanent repair of spark plug port threads
- Provides a mechanically locked solid repair sleeve insert between the threads in the head and "half-thread" taper-seat spark plug

**Kit Includes:** Carrying case providing all necessary parts for quick and easy repair: piloted reamer tap, tap extension, installation tool and eight inserts

**REC98140T**

**Also Available:**

**REC98149P** (8) replacement inserts for repair of Triton® engine spark plug port threads



**REC98140T**

### Fix-A-Thred® Plug-Saver Kit

- Designed to repair M14-1.25 stripped or damaged spark plug ports, no drilling required
- Works with taperseat or gasketed spark plugs in aluminum and cast iron heads on all types of engines
- Plug-saver solid sleeve inserts mechanical locking system ensures a permanent installation

**Kit Includes:**

Pilot Nosed Reamer Tap, an Installation/Swaging Tool, Repair Inserts and Complete Instructions

**REC98141**

**REC98142P** Short Reach 3/8"

**REC98143P** Normal Reach 1/2"

**REC98144P** Long Reach 3/4"



**REC98141**

## Spark Testers



**SAG23900**

### In-Line Ignition Spark Checker

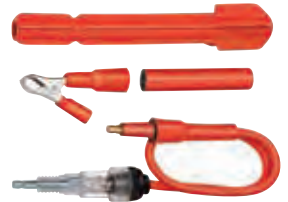
- Quickly troubleshoot ignition system
- Shows a duplicate view of the ignition spark
- Visually check condition of ignition system at each cylinder

**SAG23900**

### In-Line Spark Checker Kit

- Used for troubleshooting virtually all US and imported cars, SUVs and trucks
- Use to test conventional and coil-on plug ignition systems
- A must for testing newer vehicles with recessed spark plug
- Provides information not available with OBD-II code reading devices
- Pinpoints if there is a spark plug, plug wire, mechanical, fuel injection or electrical problem
- Shows a duplicate view of the ignition spark so technician can visually check condition of ignition system at each cylinder
- Frequency and intensity of flash indicates whether there is an ignition system problem or fault in the fuel delivery system
- Saves time and money as technician does not have to swap ignition coils

**SAG23970**



**SAG23970**

**THEXTON**



**THX404**

### Adjustable Ignition Spark Tester

- Adjustable gap allows for ignition systems from 0-40,000 V
- Tests for no start conditions and for spark strength
- Includes safety shield

**THX404**

**THEXTON**



**THX458**

### Coil-on Plug Spark Tester

- For systems with coil-on plugs, including Ford®, Chrysler®, Mitsubishi®, Nissan® vehicles and more
- Quick way to test for no-start conditions and to measure coil output
- Plugs into coil boot, measures from 0-40 kV, includes safety shield

**THX458**

**THEXTON**



**THX823**

### Small Engine Adjustable Spark Tester

- Adjustable spark gap to determine strength of coil on most small engine applications
- Designed for use on small engines with and without batteries; third pin is for magneto systems on small engines
- Spark plug end fits securely onto spark plug for a better connection than with an alligator clip
- Can be used for both inline and grounded testing; separate grounding clip included in kit

**THX823**

# GET A GRIP

Push-Button Adjustment Makes Size Setting Easy!




## THE NEW AND IMPROVED PLIERS WRENCH

Just when you thought the original Pliers Wrench couldn't get any better... it just did!

- > Increased gripping capacity due to two additional setting positions
- > 15% less weight with the same box-joint stability
- > Laser-etched scale – set the wrench opening before gripping
- > Replaces a full set of inch and metric open end wrenches
- > Slim jaw profile
- > Parallel jaws evenly distribute force for a secure grip that is 10x pressure applied to handles



Part #	↔ Length	 Maximum Capacity	Adjustment Positions
KNX8601180	7 1/4"	1 1/2"	15
KNX8601250	10"	2"	19

## COBRA® PUMP PLIERS ANYWAY YOU WANT IT!

KNIPEX offers their top selling Cobra Pump Pliers in a variety of sets so you are ready to tackle any job.

### 3 Pc Cobra Set with Plastic Tray

- > Contains 7 1/4", 10" and 12" tools
- > Reusable plastic tray
- > Part No. KNX002006US1



KNX002006US1

### 3 Pc Cobra Set with Zipper Pouch

- > Contains 5", 10" and 12" tools
- > Zipper storage pouch
- > Part No. KNX9K0080122




KNX9K0080122

### 5 Pc Cobra Pliers Set with Custom Pouch

- > Contains 5", 6", 7 1/4", 10" and 12" tools
- > Custom pouch
- > Part. No KNX00195555



KNX00195555

Part #	↔ Length	 Maximum Capacity	Adjustment Positions
KNX8701125	5"	1 1/16"	13
KNX8701150	6"	1 1/4"	11
KNX8701180	7 1/4"	1 1/2"	18
KNX8701250	10"	2"	25
KNX8701300	12"	2 3/4"	30
KNX8701400	16"	3 1/2"	27
KNX8701560	22"	4 1/2"	20



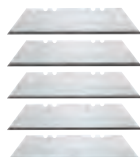
## Blades



### Extra Long Razor Blades

- 3-3/4" long blade yields a cutting surface of at least 2-1/4"
- 5 pk
- CA residents see page 365 for Proposition 65 warning. ⚠

HRR527-5



HRR527-5



BNG320129BL

### Black Label Crack Down-Assisted Open Knife

- Folding modified drop point blade
- Hollow ground stainless steel
- (3) machined lightening vents
- Robust liner lock construction
- Aggressively textured G-10 scales
- Thumb stud
- Pocket clip
- Lanyard eyelet
- Spring-assisted opening design

BNG320129BL Black



BNG320196BL

### Wihongi Signature Series Folder

- Hollow Ground 7Cr17MOV stainless steel blade
- G-10 Handle
- Brushed finish with Maori tribal warrior motif
- Steel pocket clip

BNG320196BL



BNG320199BL

### Wihongi Signature Hemp

- Folding liner lock blade with stonewash Maori warrior tribal motif, hollow ground 7Cr17MoV stainless steel, brown and tan Micarta scales with finger groove, flush fasteners and pocket clip
- Modified drop point blade profile
- Black stonewash finish is etched with a Maori warrior tribal motif
- Ambidextrous thumb stud
- Anti-skid grooves on blade spine

BNG320199BL Large



BNG3220026

### Even Money Drop Point

- Hollow ground 5Cr15MOV stainless steel
- Pocket clip
- G-10 grip
- Straight blade screwdriver end

BNG3220026

## Browning®



### Shock N' Awe Tomahawk

- Blade is hot forged, black powder coated 1055 tool steel with a curved penetration spike
- One-piece handle with spiked pommel featuring hand-wrapped black nylon paracord and lanyard hole
- The Blade-Tech® molded polymer sheath with Tek-Lok® belt clip easily adjusts for carry angle and belt loop width; molle compatible attachment system
- Main blade length: 2-3/4"; overall length: 10-1/2"

BNG320110BL



BNG320110BL



BNG320194BL

### Wihongi Signature Series Dagger

BNG320194BL



BNG320197BL

### Wihongi Signature Fixed

- The motif is pure Maori warrior and the look is as aggressive as any warrior knife, ever
- Personally overseen by Jared Wihongi, the design of this knife is for utility and protection
- A fine addition to any collection
- Fixed liner lock blade hollow ground 7Cr17MoV stainless steel
- Deep draft reverse tanto blade profile
- Ambidextrous thumb stud on folder
- Handle black G-10 with machined checkering and deeply sculpted finger grooves
- Flush finish handle fasteners
- Features anti-skid grooves and/or grid checkering on blade spine

BNG320197BL



BNG320200BL

### Wihongi Signature Hemp

- Folding liner lock blade with stonewash Maori warrior tribal motif, hollow ground 7Cr17MoV stainless steel, brown and tan Micarta scales with finger groove, flush fasteners and pocket clip
- Partially serrated drop point blade profile
- Black stonewash finish is etched with a Maori warrior tribal motif
- Ambidextrous thumb stud
- Anti-skid grooves on blade spine

BNG320200BL Small



BNG3220100

### White Water Filet

- 420 J2 bright stainless steel
- Washable injection molded polymer handle
- Nylon lanyard
- Hard polymer protective sheath

BNG3220100 Yellow



BNG320195BL

### Wihongi Signature Series Kukri Knife

- Kukri style knife has a unique, inwardly curved blade, and functions very similar to a machete
- 3/16" thick flat ground 8Cr14MoV stainless steel blade; authentic blood groove and blood notches
- Brushed finish is etched with a Maori warrior tribal motif
- Black and tan sculpted G-10 scales
- Stainless steel bolster with brass accent
- Lanyard eyelet
- Rugged black Kydex® sheath with quick release belt clip plus slots and eyelets

BNG320195BL



BNG320198BL

### Wihongi Signature Folder

- Hollow ground 7Cr17MOV stainless steel blade
- Brushed titanium finish with a Maori warrior motif
- Pocket clip
- G-10 and carbon fiber grip

BNG320198BL



BNG320209BL

### Black Label Decoded-Assisted Open Knife

BNG320209BL Black



BNG3220114

### Speed Load Fixed

- Fixed blade version of the popular Browning® Speed Load folding replaceable/interchangeable blade knife series
- (6) replaceable 420J2 stainless steel blades
- Includes (1) deep belly skinner, (1) drop point, (1) guthook/saw and (3) fillet blades
- Injection molded handle polymer with rubber grip inserts
- Rugged snapped nylon belt sheath with polymer hard case insert for storing extra blades

BNG3220114

Browning®



**BNG3220115**

#### Speed Load Hunting

- Steel pocket clip
- Includes gut hook
- Standard utility blade
- Folding liner locks
- G-10 grip
- Anodized finish

**BNG3220115**



**BNG3220115V**

#### Speed Load Hunting Blades

- Includes one drop point, one gut-hook, one caper and one standard utility blade
- Replacement blades for the Speed Load Hunting Knife

**BNG3220115V**



**BNG3220116**

#### Speed Load Tactical

- Folding liner lock knife includes one partially serrated drop point, one modified tanto blade, one modified sheepfoot and one standard utility blade
- Nylon belt sheath
- G-10 grip

**BNG3220116**



**BNG3220117**

#### Speed Load Ceramic

- Folding liner lock ceramic knife includes one drop point, one guthook, one caper blade
- Nylon belt sheath
- G-10 grip
- Anodized finish

**BNG3220117**



**BNG3220118**

#### Speed Load Saw

- Folding camp and big game saw
- Nylon belt sheath
- (2) replacement SK5 high carbon steel blades
- Molded polymer grip

**BNG3220118**



**BNG3220231**

#### Outdoorsman Compact Hatchet

- Utility/backpacking hatchet
- One-piece head
- Convex ground 5Cr steel
- Integrated full-tang construction with polymer finger groove handle scales
- Hanging eyelet
- Nylon sheath included

**BNG3220231**



**BNG3220247**

#### Hells Canyon Skeleton Large Drop Point

- Titanimu coated 7Cr stainless steel
- Decorative cut G-10 handle
- Full tang construction
- Nylon sheath with molded insert

**BNG3220247**



**BNG3220248**

#### Hells Canyon Skeleton Combo

- Decorative cut G-10 handle
- Includes caper knife
- Full-tang construction
- Nylon sheath with molded insert

**BNG3220248**



**BNG3220259**

#### Bush Craft – Camp Knife

- Fixed semi-bolo point, 440C stainless steel with nylon sheath
- Black injection molded polymer, full-tang construction, heavy checkering for a sure grip
- Lanyard eyelet, rugged reinforced nylon belt sheath with yellow, embroidered Buckmark and snapped retaining strap

**BNG3220259**



**BNG3220269**

#### Kodiak

- Folding lockback
- Three folding 7CR17MOV brushed stainless steel blades with drop point, guthook and bone saw
- G-10 grip
- Flush fit fasteners
- Nylon sheath

**BNG3220269**



**BNG3220271**

#### Buckmark Hunter

- Unique fixed blade, mirror polish 8Cr14MoV stainless steel blade, two-tone hardwood handle scales, brass accents, ideal for presentation or engraving
- Anti-skid grooves on blade spine
- Full-tang construction
- Two-tone hardwood handle scales with flush fit brass accents and pins
- Top grain sewn leather belt sheath with stamped Buckmark

**BNG3220271**



**BNG3220272**

#### Bush Craft Combo

- Fixed knife with Microblast pen light and nylon sheath
- Hollow ground, brushed finish 7Cr17MoV stainless steel
- Black injection molded handle; heavy checkering for a sure grip
- Lanyard eyelet, rugged reinforced nylon belt sheath with yellow embroidered Buckmark and snapped retaining snap, special sleeve on sheath spine for pen light
- Rugged alloy construction, (2) AAA batteries (included) LED produces 60 lumens of white light, 2.5 hour run time

**BNG3220272**

## Browning®



### Outdoorsman Survival Combo

- Assist opening knife with G-10 handle and stone washing blade
- Compact flashlight with 50 lumens on high
- Rope saw
- Flint fire starter with compass and emergency whistle
- Compact waterproof box stores everything securely

**BNG3220288**



**BNG3220288**

### Second Chance Stag/Ebony

- Folding lock back knife, hollow ground Damascus steel trailing point blade, exotic ebony handle
- Flush finish handle hardware
- Hollow ground Damascus steel blade
- Handle features stag horn bolster accent

**BNG3220296**



**BNG3220296**



**BNG3220297**

### Second Chance-Stag/Zebrawood

- Folding lock back knife
- Hollow ground Damascus steel blade
- Zebrawood with stag horn bolster accent handle
- Flush finish handle hardware

**BNG3220297**



**BNG3220301**

### Outdoorsman Compact Hatchet

- Utility/backpacking hatchet, one-piece head with convex ground 5Cr steel
- Full-tang construction with polymer finger groove scales, hanging eyelet, and lanyard eyelet
- Nylon belt sheath with snap closure included

**BNG3220301**



**BNG322560**

### Mountain Ti Medium Knife

- Folding frame lock knife
- 440-A stainless steel
- Titanium coated
- Pocket clip
- Ambidextrous thumb-stud

**BNG322560**



**BNG322561**

### Mountain Ti Small Knife

- Folding frame lock knife
- 440-A stainless steel
- Two-tone gray machined 420J1 stainless; titanium coated
- Pocket clip
- Ambidextrous thumb stud

**BNG322561**



**BNG322894**

### Browning For Her Folder Knife

- Folding locking liner knife
- Swedish Sandvik® 12C27 stainless steel
- Aluminum handle
- Stainless steel bolsters
- Pocket clip
- Rugged nylon sheath
- Mossy Oak® Pink

**BNG322894** Pink



**BNG322922**

### Camp Saw

- 4116 stainless steel with push/pull saw teeth
- Injection molded composite with rubber gripping inlays
- Finger grooves and large tail radius
- Includes nylon sheath

**BNG322922**



**BNG322926**

### Game Reaper Saw

- T-Handle pelvic saw and guthook
- 440C stainless steel
- Molded T-shaped handle
- Nylon belt sheath

**BNG322926**

## Cal-Van Tools



**HRR536**

### Monster Knife

- Extra large grip for added control
- Bi-material handle for a sure grip
- Equipped with a "Quick Change Blade System"
- CA residents see page 365 for Proposition 65 warning. ⚠

**HRR536**

**HRR536-1** Replacement Blades (10 pk)

### Moxie Assist Open

- Matthew Lerch designed everyday carry folding pocket knife that is versatile and durable
- Features an 8Cr14MoV modified spear-point blade with 58-59 Rockwell hardness and corrosion-resistant blade finish
- Fire Safe® release button incorporated into the thumb stud opener; simply push down and out on the thumb stud and as the blade begins to open, the OutBurst® opener assist kicks in and the blade opens fully



**CRK1100**

### Moxie

- Assisted opening (Outburst® mechanism assist)
- Fire Safe® (safety mechanism locks the blade closed) 8Cr14MoV 3.29" blade with black oxide finish
- Molded handles with soft over molded texture pattern
- Handy lanyard loop built into the steel liner

**CRK1100** Black on Black Handle and Blade

## Columbia River



**CRK1050K**

### Fire Spark™

- Finished in non-reflective, black oxide on blade, frame, three-position stainless steel clip and hardware
- OutBurst® mechanism assisted opening with our patent-pending Fire Safe® mechanism
- Overall length: 8.63"

**CRK1050K**



**CRK1102**

- Textured EDM handle for a confident grip
- Pocket clip for convenient carry
- Blade length: 3-1/4"; overall length: 7-1/2"; closed length: 4-1/4"
- Weight: 3.2 oz

**CRK1102**

## Columbia River

# CRKT



**CRK1105**

### Endorser™

- Multi-layer black and brown G10 with bead blast finish handle scales
- Performance shaped drop point blade with hollow grind
- Fire Safe® thumb stud opener
- Razor-sharp cutting edge

**CRK1105** Satin

**CRK1105K** Black



**CRK1190**

### Drip Tighe™ Knife

- Matthew Lerch designed everyday carry folding pocket knife that is versatile and durable
- 440-A stainless steel
- Outburst® assisted opening with thumb stud
- Handle features stag horn bolster accent
- Ambidextrous thumb stud
- Anodized finish
- Spring-assisted opening design

**CRK1190**



**CRK2020**

### A.G. Russell Sting™ Knife

- Forged-steel outdoor knife
- Dual-edged with integral handle, black powder coated
- Custom convertible Cordura® glass-filled nylon sheath

**CRK2020**



**CRK2032**

### Crawford Thunder Strike™

- Lightweight fixed blade tactical knife
- Black corrosion-resistant blade coating; modified drop point blade; big enough to do most any cutting job but small enough to be easily concealed
- Friction grooves on spine provide a sure grip
- Paracord wrapped handle
- Gear compatible sheath with J-hook clip
- Blade: 2-3/4" L; black powder coated finish; flat grind; drop point; plain edge

**CRK2032**



**CRK2055**

### K.E.R.T. Emergency Rescue Tool

- Belt cutter
- Oxygen tank opener
- 1/4" wrench, bottle opener, screwdriver
- Guide or feed the material you want to cut

**CRK2055**



**CRK2075**

### Shril

- Dual edge titanium nitride finish blade
- Polished resin-infused fiber handle overlays
- High-quality leather sheath w/boot clip

**CRK2075**



**CRK2081**

### RASP™

- Stonewash finish
- Flipper opening or thumb stud blade deployment
- Frame lock

**CRK2081**



**CRK2082**

### SiWi™

- Compact fixed blade
- SK5 Carbon steel blade
- Black powder coat blade finish

**CRK2082**



**CRK2211**

### PERSEVERE™

- Black powder coated axe head with glass reinforced nylon pins
- Black cord with tie bead
- Woven polyester sheath with belt loop

**CRK2211**



**CRK2365**

### Obake Skoshi

- Ray skin style cord-wrapped handle
- Individually etched ti-nitride blade
- Glass-reinforced nylon sheath w/skull bead

**CRK2365**



**CRK2367**

### Burnley Obake™

- Tactically inspired everyday carry knife with a uniquely etched blade and cord wrapped ray skin style handle
- Ti-nitride blade that is coated with "nail polish" and acid washed finish; full tang fixed blade
- Glass-reinforced nylon sheath with paracord lanyard

**CRK2367**



**CRK2384K**

### Minimalist – Drop Point

- Black stonewashed finish
- Compact utility neck knife
- Glass-reinforced nylon sheath

**CRK2384K**



**CRK2386**

### Minimalist® Tanto

- Custom-fitted, glass-filled nylon sheath and neck paracord for inverted carry as a neck knife
- 2.125" tanto blade
- Straight, razor-sharp front edge

**CRK2386**



**CRK2388**

### Spew Fixed Blade Razor Edge

- Folts S.P.E.W. Wharnccliffe razor sharp edge
- G10 scales
- Braided FOB neck paracord

**CRK2388**



**CRK2389**

### Folts Keramin™

- Tip designed for extreme detail work and is needle sharp
- Do not pry
- Polished resin-infused fiber handle

**CRK2389**



## Columbia River

# CRKT



**CRK2392**

### Renner Scharrd-X

- Terry Lee Renner-designed futuristic looking everyday carry knife
- Titanium nitride finished, two-tone handle is uniquely angular, yet surprisingly comfortable to hold
- IKBS® ball bearing pivot system deploys the blade smoothly and quickly
- Dual blade finish of mirror and satin
- Blade: 3" L; mirror polish and brushed finish; hollow grind; modified tanto; plain edge

**CRK2392**



**CRK2420**

### PREQUEL™

- Field Strip: Disassemble your knife for cleaning without tools
- Hybrid utility blade shape; a blend of modified Sheepfoot and Tanto with satin finish for enhanced corrosion resistance
- Durable glass reinforced nylon handles are lightweight with excellent grip

**CRK2420**



**CRK2430**

### SKETCH™

- Black oxide blade finish
- Injection molded handles
- Locking liner for safety

**CRK2430**



**CRK2460**

### Buku

- Kukri blade style
- Silver stonewashed handles
- Low profile pocket clip

**CRK2460**



**CRK2490**

### Burnley Squid™

- Everyday carry folding knife; small in size and big on ability
- Packs all the functionality of a full size tactical folder into an easy-to-carry, compact design
- On blade friction grooves for grip
- Internal frame lock and low profile pocket clip for a secure carry
- Lanyard hole for additional keychain or fob
- Blade: 2-1/4" L; hollow grind; drop point; plain edge

**CRK2490** Stonewash Finish

**CRK2490KS** Black Stonewash Finish



**CRK2490KS**



**CRK2630**

### Du Hoc Fixed Blade

- SK5 high carbon steel with an increased level of manganese for a perfect balance of toughness and edge holding ability
- Textured G10 handles provide exceptional grip in all weather conditions
- Gear-compatible glass-reinforced nylon sheath can be strapped anywhere on your kit

**CRK2630**



**CRK2709**

### Clever Girl

- Upswept blade in black powder coat
- Tough G10 handles with exceptional grip
- Gear-compatible sheath
- Includes a MOLLE compatible gear clip

**CRK2709**



**CRK2712**

### Scrub™

- Lightweight compact fixed blade
- SK5 Carbon steel blade
- Magnesium phosphate corrosion resistant coating

**CRK2712**



**CRK2720**

### T-Hawk

- T-Hawk (tactical tomahawk) are shaped of single-piece steel with a curved handle and grip choils along the front for enhanced holding power
- Full-length handle scales are checkered for added grip security and can be removed for cleaning
- Distinctive bladed-head style and provides exceptional utility and toughness
- Molle equipped, form-fitting Kydex® sheath slips over the head and secures with a buckled strap
- Well balanced and easily controlled while still being robust enough to handle most anything dished out

**CRK2720** Chogan™ T-Hawk

**CRK2725** Kangee™ T-Hawk



**CRK2730**

### RMJ Woods T-Hawks

- Hot forged steel heads
- CNC ground
- Tennessee Hickory® handles

**CRK2730** Chogan™ T-Hawk

**CRK2730-2** Replacement Hickory Handle

**CRK2735** Kangee™ T-Hawk



**CRK2742**

### KUK™

- Full-tang kukri-inspired recurve blade
- 65 Mn carbon steel with black powder coat finish
- Double injection molded handle with textured grip

**CRK2742**



**CRK2745**

### Birler

- Compact pack axe
- 1055 carbon steel
- Tennessee Hickory® handle

**CRK2745**

## Columbia River

# CRKT



CRK2746

### Freyr™

- Hot forged 1055 carbon steel
- Prominent useful beard design
- Tennessee Hickory® handle

CRK2746



CRK2747

### CIMBRI™

- Hot forged 1055 carbon steel is tough and durable
- Black magnesium phosphate coating on the head provides corrosion resistance
- Tennessee Hickory® handle to head ratio is well balanced for extended use in the field

CRK2747



CRK2748

### Pack Axe

- Compact pack axe
- Hot forged 1060 high carbon steel
- Tennessee Hickory® handle

CRK2748



CRK2817

### HVAS™

- Field strip technology
- Glass reinforced nylon injection molded handle
- Locking liner

CRK2817



CRK2831

### Mossback – Hunter

- Drop point blade style
- Durable G10 handles
- Useful nylon sheath with belt loop

CRK2831



CRK2832

### Mossback – Bird and Trout

- Drop point blade style
- Durable G10 handles
- Useful nylon sheath w/belt loop

CRK2832



CRK2842

### MONASHEE™

- Field Strip: Disassemble your knife for cleaning without tools
- High carbon stainless steel blade is easy to sharpen in the field and holds an edge well
- Black thermoplastic rubber handles with finger grooves provide exceptional grip in all conditions
- Glow-in-the-dark back spacer to help locate knife in low light conditions

CRK2842



CRK2861

### Hunt 'N Fish™ Fixed Blade Knife

- Everyday carry fixed blade knife with multiple friction grooves along the spine for optimum blade control
- Stylish, multi-colored G10 handle
- Distinctive leather sheath features multiple carry options; designed to slide into the belt loop and rest horizontally to the side to fit comfortably across the waistband
- Blade: 3" L; satin finish; flat grind; drop point; plain edge

CRK2861



CRK2901

### Heiho™

- G10 handle scales provide solid grip surface for confident use dexterity
- Blade shape is purposefully profiled for piercing and penetration
- Razor-sharp cutting edge and Veff® serrations,
- OutBurst® assisted opening LAWS® Safety

CRK2901



CRK2903

### Folding Hissatsu™ Knife

- AUS 8 stainless steel blade, Teflon® coated
- Designed to penetrate
- Interframe build with glass-filled nylon scales, two-position clip and OutBurst® assisted opening

CRK2903 Assisted



CRK2906

### Otanashi Noh Ken™

- Edge geometry provides the proper wedge effect for splitting, chopping or shaving
- Handle butt is exposed and can be used for prying
- Holes allow for lanyard or lashing
- Designs were developed for penetrating ability in tactical situations
- Razor-sharp cutting edge and LAWS® system for safety
- Length 4.52" (11.5 mm); Thickness 0.16" (4 mm); Steel AU 8, 58-59 HRC

CRK2906



CRK2920

### Goken™

- Field strip technology
- Osoraku Zukuri modified tanto style blade
- Black corrosion resistant EDP coating

CRK2920



CRK3008N

### BIG EDDY™

- Dual grind blade
- Tough polypropylene handle
- Injection molded sheath

CRK3008N



CRK3085

### Clark Fork Folding Fillet

- Clark Fork™ fillet knife with HRC 53-55 satin clip point plain edge blade
- Glass filled nylon handle
- Tail folds into handle to secure the lock up
- Includes black nylon sheath
- Blade Length: 6.125 inches
- Overall length: 11 inches

CRK3085



CRK3100

### Mah Machete

- Survival machete that fits in a backpack
- Distinctive upswept overall shape maximizes cutting performance
- Hand ground carbon steel blade with hammer-forged finish is crafted to stay sharp
- Walnut wood handle with lanyard holes allows for a secure forward carry
- Reinforced nylon sheath with a drop down option so it may be strapped to leg; extra paracord attached to the sheath
- Blade: 4-1/2" L; black powder coating finish; flat grind; modified tanto; plain edge

CRK3100

## Columbia River

**CRKT****CRK4040****PROVOKE™**

- Unique Kinematic™ innovation deploys the blade quickly with push of the thumb
- D2 blade steel for excellent edge retention; black titanium nitride coating for enhanced corrosion resistance
- Durable and lightweight hard anodized aluminum handles

**CRK4040****CRK4635****BEV-EDGE™ BLACK**

- Bottle opener conveniently integrated into handle of knife
- Flipper opening combined with IKBS™ ball bearing pivot system deploys the blade smooth and fast
- Black stonewash finish improves corrosion resistance, reduces glare, and masks wear
- Frame lock provides secure lock-up of the blade

**CRK4635****CRK5195****Klecker Graphite™ Combo Edge Folder**

- Graphite™ lightweight folder knife
- Blade with Veff™ flat top serrations offer superior cutting of rope and cordage
- Two-tone handle finish with titanium nitride coating and brushed stainless steel; G10 scales
- Innovative Klecker Lock built in for safety
- Deploys easily with ambidextrous thumb stud or flipper
- Blade: 3" L

**CRK5195****CRK5240****Nirk™ Tighe Folder**

- Lockback folder; spring, release bar and lock detent are integral with the frame structure
- Two pronounced finger notches provide a secure grip
- Can be opened with one hand by using a thumb on the reliefs or by pressing the blade flipper
- Blade is precision cut from premium AUS 8 stainless steel

**CRK5240** Small; 7-1/4" Open Overall Length; 4-1/4" Closed Length

**CRK5315GKD2****PILAR® LARGE BLACK WITH D2 BLADE STEEL**

- Large version of best selling Pilar®
- D2 blade steel holds an edge well and black oxide finish for corrosion resistance
- Flipper opening for fast blade deployment
- G10 handle provides exceptional grip in all weather conditions

**CRK5315GKD2****CRK4620****AVANT™**

- Flipper or thumb disk opening combined with IKBS™ ball bearing pivot system deploys the blade smooth and fast
- Satin finish blade and brass titanium-nitride accents create an appealing visual
- Carbon fiber handles in a black woven texture are stylish and lightweight

**CRK4620****CRK5040****RAIKIRI™**

- Field strip technology
- Satin blade finish
- Cold forged aluminum handles

**CRK5040****CRK5230****Tighe Tac Two Clip Pt.**

- Tighe ball bearing pivot system
- Button lock
- Flipper deployment

**CRK5230****CRK5315****PILAR® LARGE**

- Large version of best selling Pilar®
- High carbon stainless steel blade takes an edge well and is ideal for everyday carry
- Flipper opening for fast blade deployment
- Two position clip for tip up or tip down carry options

**CRK5315****CRK5360****Largo™**

- Outburst® assisted opening
- Bottle opener
- Frame lock safety

**CRK5360****CRK4630****BEV-EDGE™**

- Bottle opener conveniently integrated into handle of knife
- Flipper opening combined with IKBS™ ball bearing pivot system deploys the blade smooth and fast
- Stonewash finish improves corrosion resistance and masks wear
- Frame lock provides secure lock-up of the blade

**CRK4630****CRK5151****Daktyl™**

- Folding knife with slide lock
- "Hole-in-One" mechanism
- Slide lock innovation
- 3" blade with bead blast finish

**CRK5151****CRK5235****Tighe Tac Two Tanto**

- Tighe ball bearing pivot system
- Button lock
- Flipper deployment

**CRK5235****CRK5315G****PILAR® LARGE WITH G10 HANDLE**

- Large version of best selling Pilar®
- High carbon stainless steel blade takes an edge well and is ideal for everyday carry
- Flipper opening for fast blade deployment
- G10 handle provides exceptional grip in all weather conditions
- Two position clip for tip up or tip down carry options

**CRK5315G****CRK5370****Terrestrial™**

- IKBS™ ball bearing pivot system
- Flipper opening
- Satin blade finish

**CRK5370**

## Columbia River

# CRKT



**CRK5401**

### SEISMIC™

- Innovative Deadbolt™ locking mechanism is simple to use and provides incredible strength
- Flipper opening combined with IKBS™ ball bearing pivot system deploys the blade smooth and fast
- G10 handles provide exceptional grip in all weather conditions

**CRK5401**



**CRK5401K**

### SEISMIC™ BLACK WITH VEFF SERRATIONS™

- Innovative Deadbolt™ locking mechanism is simple to use and provides incredible strength
- Flipper opening combined with IKBS™ ball bearing pivot system deploys the blade smooth and fast
- G10 handles provide exceptional grip in all weather conditions
- Veff Serrations™ provide superior cutting of fibrous materials

**CRK5401K**



**CRK5445**

### Amicus Razor Edge

- Thumb slot blade deployment
- Stonewashed stainless steel handles
- Frame lock

**CRK5445**



**CRK5471K**

### Ikoma Fossil

- Hammered finished liners
- Contoured G10 handle overlays
- Frame lock

**CRK5460** Small

**CRK5470** Plain Blade

**CRK5471K** Black EDP Blade Finish



**CRK5461K**

### Ikoma Fossil™ Small/Black/Serrations

- Everyday carry folder
- Knife has a unique, prehistoric look
- Stainless steel handle with a unique hammered two-tone finish; contoured multi-colored G10 handle overlays
- Features the IKBS™ ball bearing pivot system, combined with an opening flipper for blade deployment that is smooth and fast

- Thumb hole cutout in the blade provides a second option for opening the knife
- Flipper also turns into a finger guard when the blade is open
- Blade: 3-1/2" L; gray ti-nitride finish; hollow grind; drop point; Veff Serrations™

**CRK5461K**



**CRK5510**

### K.I.S.S.®, Combo Edge

- Chisel-point grind on the front and flat on the back
- Blade and frame are 420J2 stainless steel in a fine bead-blast finish

**CRK5510** Combo Edge



**CRK5520**

### P.E.C.K.®

- Ed Halligan calls this his Precision Engineered Compact Knife
- We call it the handiest little personal knife ever made, perfect for pocket or purse
- It makes a great little money clip or key fob knife.
- Features minimal Frame Lock™ design and custom stainless steel clip

**CRK5520** Razor-Sharp Edge



**CRK6016**

### Williwaw™

- IKBS™ ball bearing pivot system
- Flipper opening
- Satin blade finish

**CRK6016**



**CRK6040**

### Radic™

- Outburst® assisted opening
- Thumb stud blade deployment
- Satin blade finish

**CRK6040**



**CRK6120**

### Jettison

- Modified sheepfoot blade style
- Titanium handle
- Frame lock

**CRK6120**



**CRK6215**

### Caligo™

- IKBS™ ball bearing pivot system
- Flipper opening
- Black oxide blade finish

**CRK6215**



**CRK6450S**

### Drifter

- Plain edge
- Drop point blade
- Stainless steel frame-lock build
- Clip

**CRK6450S** Drifter

**CRK22053M** Magnetic Truck Display



**CRK6470R**

### PAZODA™ 2

- Dark gray titanium nitride blade finish
- Stainless steel handles
- Thumb jimping on blade for optimum cutting control

**CRK6470R**



**CRK6480**

### Pazoda™

- Gray titanium nitride coated blade and blade hole for opening
- Stainless steel, titanium nitride coated frame with brushed surface

**CRK6480**

**CRK6480R** Snap-on® exclusive red stripe



## Columbia River

CRKT®



CRK6480S12

**Red Pazoda™ – 12 pk**

- Limited edition designed exclusively for Snap-on®; features red swoosh
- Titanium nitride blade finish
- Stainless steel handles
- Thumb grooves for optimum cutting control

CRK6480S12



CRK6850

**Ignitor® Knife**

- Modified drop point blade design with a high-hollow grind
- Premium 8Cr14MoV stainless steel
- Patented (1) Veff™ Serrations, which are superior for fast cutting of cord, netting and vegetation
- Rigid InterFrame build with stainless steel liners, one locking and layered G10 scales, textured and CNC machined to aid grip

**CRK6850** Polished Blade and Frame, Green and Black Scales – Razor Edge

**CRK6865** Titanium Nitride Blade, Black Scales – Combo



CRK6920

**Maven™**

- IKBS™ ball bearing pivot system
- Flipper opening
- Contoured G10 handle for secure grip

CRK6920



CRK7016

**FLAT OUT™**

- Outburst® spring assisted opening deploys the blade smooth and fast
- High carbon stainless steel blade takes an edge well and is ideal for everyday carry
- Frame lock provides secure lock-up of the blade

CRK7016



CRK7020

**HYPERSPEED**

- Outburst® spring assisted opening deploys the blade smooth and fast
- Black oxide finish for reduced glare and improved corrosion resistance
- Durable glass reinforced nylon handle with thermoplastic inlay for exceptional grip

CRK7020



CRK7045

**FAST LANE™**

- Outburst® spring assisted opening deploys the blade smooth and fast
- Black stonewash finish improves corrosion resistance, reduces glare, and masks wear
- G10 handles provide exceptional grip in all weather conditions

CRK7045



CRK7050

**SEPTIMO™**

- IKBS™ ball bearing pivot system
- Flipper opening
- Contoured G10 handle for secure grip

CRK7050



CRK7076

**UP & AT 'EM™**

- High carbon stainless steel blade takes an edge well and is ideal for everyday carry
- Flipper opening for fast blade deployment
- Frame lock provides secure lock-up of the blade

CRK7076



CRK7090

**Cuatro™**

- IKBS™ ball bearing pivot system
- Flipper opening
- Contoured G10 handle for secure grip

CRK7090



CRK7096

**CEO**

- Extremely low profile and lightweight; comfortable to carry in front shirt pocket
- Recessed thumb stud with IKBS™ ball bearing pivot system deploys the blade smooth and fast
- Durable glass reinforced nylon handles are lightweight with excellent grip

CRK7096



CRK7270

**RIPSNOT™**

- Flipper opening
- Cleaver style blade
- Locking liner safety

CRK7270



CRK7280

**SNARKY™**

- Flipper opening
- Satin blade finish
- Locking liner safety

CRK7280



CRK7430

**Fulcrum 2 Compact**

- Innovative "Fulcrum" action opening mechanism
- Titanium nitride finish
- Glass reinforced nylon handles

CRK7430



CRK7435

**Fulcrum 2**

- Innovative "Fulcrum" action opening mechanism
- Titanium nitride finish
- Glass reinforced nylon handles

CRK7435



CRK7532

**JUMBONES**

- Jumbo version of the Crossbones, Blade Magazine 2017 Import Knife of the Year
- Flipper opening combined with IKBS™ ball bearing pivot system deploys the blade smooth and fast
- AUS 8 blade steel takes an edge well and is ideal for everyday carry
- Durable and lightweight hard anodized aluminum handles

CRK7532

## Columbia River

**CRKT**



**CRK7730**

### Offbeat™

- Crawford lockback
- Satin blade finish
- Stainless steel handles

**CRK7730**



**CRK7740**

### Gungho Assisted Opening

- Outburst® spring assisted opening deploys the blade quickly with flick of thumb stud
- Tanto style blade; black oxide finish for reduced glare and improved corrosion resistance
- G10 handles provide exceptional grip in all weather conditions

**CRK7740**



**CRK7760**

### OFFBEAT™ II

- Crawford Lockback innovation holds the blade secure when open—additional grip pressure increases lock strength
- High carbon stainless steel blade takes an edge well and is ideal for everyday carry
- Durable glass reinforced nylon handles are lightweight with excellent grip

**CRK7760**



**CRK9011**

### Pryma™

- Pry bar section on front of tool can be used for prying, opening boxes, scraping
- Bottle opener
- Multi-wrench

**CRK9011**



**CRK9081**

### Spark 'N Sharp™

- Glass-filled nylon housing
- Tungsten carbide blade sharpener
- Magnesium rod fire starter
- Quick-release lanyard

**CRK9081**



**CRK9085**

### Iota

- Lightweight spoon/fork combination
- Bottle opener
- Can opener

**CRK9085**



**CRK9085K**

### Iota Black

- Lightweight spoon/fork combination
- Bottle opener
- Can opener

**CRK9085K**



**CRK9094**

### Get-A-Way® Driver

- Handy screwdriver and LED flashlight carries four hex bits, two flat and two PHILLIPS®
- Removable bit adaptor also works as an angle driver
- Includes 10 mm and O<sub>2</sub> bottle wrenches, bottle opener and carry carabiner

**CRK9094**



**CRK9095**

### Get-A-Way® Driver TORX® Set

- Driver with TORX® bits
- Oxygen bottle valve wrench
- LED light

**CRK9095**



**CRK9096**

### Micro Tool and Sharpener

- 3.375" length
- Belt cutter
- Screwdriver
- Bottle opener
- Key ring for everyday carry

**CRK9096**



**CRK9100C**

### Eat 'N Tool®

- Spoon, fork, bottle opener, screwdriver/pry tip, metric wrenches, carabiner, clam only
- Black, non-stick coating

**CRK9100C** Bead Blast

**CRK9100FC** Fuchsia

**CRK9100TC** Tangerine



**CRK9110C**

### Eat 'N Tool® XL

- Fork prongs are incorporated into the spoon front
- Functions very well as a spoon or fork for preparing and eating food
- Multiple sized box wrench cut into handle
- GI style can opener is nice to have around camp

**CRK9110C** Bead Blast

**CRK9110KC** Black Oxide



**CRK9201**

### Technician™

- One hand opening knife blade
- Standard 1/4" bit driver

**CRK9201**



**CRK9250**

### Bivvy

- Spring assisted pliers
- One-handed opening multi-tool
- Knife, PHILLIPS®, flat screwdriver, marlinspike

**CRK9250**



**CRK9450RK**

### Stokes Bottle Opener Red/Black

- Bottle opener
- Emergency paracord
- Carabiner for keychain or gear loop

**CRK9450RK**

## Columbia River

# CRKT

### Key Chain Bottle Opener

- Key chain, bottle opener and flat screwdriver
- Black stonewash finish

**CRK9480S**



**CRK9480S**

### Knife Maintenance Tool

- TORX® – T6 and T8
- Tungsten carbide field sharpener and ceramic honing edge
- Flat head screwdriver
- Bottle opener
- Keychain accessory

**CRK9704**



**CRK9704**



**CRK9705**

### Williams Tactical Key

- Personal defense key tool
- Well balanced handle with secure grip
- PHILLIPS® screwdriver

**CRK9705**



**CRK9750**

### Trencher

- Saw blade with beveled edge for cutting
- Reinforced steel tip for prying
- Three position head with threaded locking collar

**CRK9750**



**CRK9903**

### TWIST & FIX™ KNIFE REPAIR TOOL

- TORX® T5, T6, T7, T8, T9, T10
- Lightweight at only 2.2 oz
- Option to disengage single tool from the barrel for use in tight spaces
- Durable glass reinforced nylon handle

**CRK9903**



**CRKD2735**

### Leather Sheath for CRK2735 Woods Kangee™

- Custom fit leather sheath for the CRK2735 Woods Kangee T-Hawk
- Vegetable-tanned leather will not corrode metal; hand-oiled finish for durability
- Sheath covers the blade edge and tent spike and snaps onto handle for secure protection
- The belt loop fits belt widths up to 1-3/4"
- Leather crafted in the USA

**CRKD2735**



**CRKHOIST1**

### Hoist'N Lok®

- Simply pull, then shift the rope to the side and feed
- A lobed, knurled cam locks the load in place
- To release, pull the rope to the opposing side and the cam will disengage
- Comes with 40' of 8 mm rope
- Weight: 1 lb 8 oz
- Capacity: 500 lb

**CRKHOIST1**



**CRKD2730**

### Leather Sheath for CRK2730 Woods Chogan™

- Custom fit leather sheath for the CRK2730 Woods Chogan T-Hawk
- Vegetable tanned leather will not corrode metal; hand-oiled finish for durability
- Sheath protects the ax head and fits snugly and securely with three snaps
- The belt loop fits belt widths up to 1-3/4"
- Leather crafted in the USA

**CRKD2730**



**CRKK220KKP**

### Ken Onion Foresight

- High-quality, cold-forged aluminum handle
- Premium 3.5" modified drop point blade
- IKBS™ ball bearing system
- Precision ground AUS 8 stainless steel
- Named import knife of the year at the 2012 International Blade Show

**CRKK220KKP**

**CRKK220KKS** Edge with Triple-Point Serrated



**CRKK240XXP**

### Swindle

- Pocket-clip is tensioned to provide added carry security
- Carry-clip design is unique and adds a custom flair to the knife

**CRKK240XXP** Flat Handle



**CRKK270GKP**

### Ken Onion Home Front

- Breakthrough "field strip" technology innovation
- Easily disassemble your knife for cleaning without tools
- AUS 8 blade steel with 6061 aluminum handles

**CRKK270GKP**



**CRKK290KKS**

### PROWESS™ Black with Triple Point™ Serrations

- Flipper opening
- IKBS™ ball bearing pivot system
- Tough glass reinforced nylon handles

**CRKK290KKS**



**CRKK290KXP**

### PROWESS™

- Flipper opening
- IKBS™ ball bearing pivot system
- Tough glass reinforced nylon handles

**CRKK290KXP**



**CRKK300KXP**

### Union Hootenanny™

- Everyday carry knife
- Folder with an IKBS™ ball bearing pivot system and oversized pivot; blade is smoothly and effortlessly deployed
- Designed to be a cross between hunting and bird knives and everyday carry folders
- Low profile pocket clip
- Blade: 3-3/4" L; satin finish; hollow grind; drop point; plain edge

**CRKK300KXP**



**CRKK320GXP**

### Outrage

- IKBS™ ball bearing pivot system
- Flipper opening
- Aluminum handles

**CRKK320GXP**

## Columbia River

# CRKT



**CRKK350KXP**

### SLACKER™

- Field Strip: Disassemble your knife for cleaning without tools
- Satin blade finish offers reduced cutting drag and improved corrosion resistance
- Durable and lightweight hard anodized aluminum handles

**CRKK350KXP**



**CRKK415KXP**

### Aluminum Ripple

- Ken Onion design
- Lightweight folder with one-hand opening
- Flipper for fast opening
- Pocket worn look to the handles
- IKBS™ ball bearing system

**CRKK415KXP**



**CRKK456XXP**

### Ken Onion Eros

- Small Eros with stainless steel handle
- Plain edge
- Lightweight and compact

**CRKK456XXP** 2.84" Blade



**CRKK500GKP**

### HELICAL™ BLACK WITH D2 BLADE STEEL

- D2 blade steel takes and holds an edge well
- Black oxide finish for reduced glare and improved corrosion resistance
- Durable and lightweight hard anodized aluminum handles

**CRKK500GKP**



**CRKK500GXP**

### HELICAL™

- High carbon stainless steel blade takes an edge well and is ideal for everyday carry
- Satin blade finish offers reduced cutting drag and improved corrosion resistance
- Durable and lightweight hard anodized aluminum handles

**CRKK500GXP**



**CRKK910KKP**

### Chanceinell™ Machete

- Black oxide coating, 3/4 tang
- Soft textured handle with grip
- Two position (high/low) sheath
- Plastic liner insert
- Cord can be used for a leg strap

**CRKK910KKP** Chanceinell™ 12"

**CRKK920KKP** Halfachance™ 14"



**CRKM16-02KS**

### M16®-02KS

- Carson flipper opening
- Frame lock
- Stainless steel handles

**CRKM16-02KS**



**CRKM16-03KS**

### M16®-03KS

- Carson flipper opening
- Frame lock
- Stainless steel handles

**CRKM16-03KS**



**CRKM16-04KS**

### M16®-04KS

- Carson flipper opening
- Frame lock
- Stainless steel handles

**CRKM16-04KS**



**CRKM16-10KZ**

### M16®-10KZ

- Tanto combo-edged, high-carbon, stainless steel blade
- Stainless steel InterFrame build with glass-filled nylon scales
- Carson Flipper for fast opening, stainless steel lip and exclusive AutoLAWKS™ safety

**CRKM16-10KZ**



**CRKM1601KS**

### M16 Stainless Black Oxide Blade

- Carson design
- Stainless steel frame
- Black spear point blade
- Frame and hardware
- Blade length: 3-1/8"

**CRKM1601KS**



**CRKM1601S**

### M16 Stainless Bead Blast Blade

- Everyday carry folding knife with bead blast finished spear point blade constructed of 8CR13MOV stainless steel with plain cutting edge for a smooth cut
- Carson flipper for quick actuation and flipper doubles as blade guard in the open position
- Durable black oxide coated stainless steel handle contoured for a comfortable grip
- Two-position clip carry position
- Traditional frame lock mechanism
- Blade: 3" L; Overall: 7" L

**CRKM1601S**



**CRKM1601Z**

### M16® EDC Spear Point Zytel®

- Our everyday carry InterFrame M16 with Zytel® scales, AUS 4 stainless steel blade, Carson Flipper and AutoLAWKS safety.

**CRKM1601Z** Razor-Sharp Edge



**CRKM1602Z**

### M16® Little Bulldog Zytel®

- Our InterFrame build M16 with black Zytel® scales, spear point AUS 4 stainless steel blade, Carson Flipper and AutoLAWKS safety.

**CRKM1602Z** Razor-Sharp Edge



**CRKM1603S**

### M16-03 Classic

- LAWKS® safety
- Carson flipper opening
- Aluminum handles
- Spear point

**CRKM1603S**



## Columbia River

CRKT



CRKM1603Z

**M16® Slim Profile Zytel®**

- Our InterFrame build M16 with black Zytel® scales, spear point AUS 4 stainless steel blade, Carson Flipper and AutoLAWKS safety.

**CRKM1603Z** Razor-Sharp Edge

CRKM1604S

**M16® – 04 Classic**

- LAWKS® safety
- Carson flipper opening
- Aluminum handles
- Tanto blade style

**CRKM1604S**

CRKM1604Z

**M16® Big Dog Zytel®**

- Our everyday carry InterFrame M16 with Zytel® scales, AUS 4 stainless steel blade, Carson Flipper and AutoLAWKS safety.

**CRKM1604Z** Razor-Sharp Edge**CRKM1614Z** Combo Edge

CRKM1610KS

**M16®**

- Tanto blade and frame
- Stainless steel pocket clip is movable and provides convenient carry/access

**CRKM1610KS**

CRKM1610KSF

**M16®**

- Tanto blade and frame
- Stainless steel pocket clip is movable and provides convenient carry/access

**CRKM1610KSF**

CRKM1610S

**M16® Stainless Steel**

- Combination edge
- 8Cr14MoV blade steel
- Stainless steel handle
- Frame lock system
- Bead-blasted blade

**CRKM1610S**

CRKM1610Z

**M16® EDC Tanto Zytel**

- Our everyday carry InterFrame M16 with Zytel® scales, AUS 4 stainless steel blade, Carson Flipper and AutoLAWKS safety.

**CRKM1610Z** Combo Edge

CRKM1612ZLEK

**M16® – 12ZLEK**

- InterFrame construction with tough, textured glass-filled nylon scales
- AutoLAWKS safety
- Overall length: 8.25"

**CRKM1612ZLEK**

CRKM1613SFG

**Special Forces G-10**

- Blade, frame and hardware are non-reflective, tactical black
- Features scales of black G-10, stainless steel liners with friction grooves and a premium 8Cr14 stainless steel blade with VEFF™ serrations
- Overall length: 8.25"

**CRKM1613SFG**

CRKM1614D

**M16® – 14 Desert Big Dog**

- Kit Carson's original "Big Dog" in Desert Tan, with aluminum frame, AUS 8 stainless blade, Carson flipper and AutoLAWKS safety

**CRKM1614D** Combo Edge

CRKM1614SF

**M16® – 14 Special Forces**

- Kit Carson's original "Big Dog" with black aluminum frame, black AUS 8 stainless steel blade, dual Carson Flipper hilt, and LAWKS®

**CRKM1614SF** Combo Edge

CRKM1614ZSF

**M16® – 14SF Special Forces**

- InterFrame build M16 with Desert Camo Zytel® scales, AUS 4 stainless blade, dual Carson Flippers and AutoLAWKS safety.

**CRKM1614ZSF** Combo Edge

CRKM2112G

**M21™ Carson Folder G-10**

- Stainless steel blade with non-reflective, black titanium nitride finish for maximum corrosion resistance
- Teflon® bearings at the blade pivot assure velvety-smooth one-hand opening and closing

**CRKM2112G**

CRKM2114SF

**M21™ Special Forces**

- Kit Carson's new black-out tactical folder with deep-bellied blade, dual Carson Flippers, AutoLAWKS safety, and four-position clip.

**CRKM2114SF** Combo Edge

CRKM4-02

**M4 Bone Scales**

- Outburst® assisted opening
- Dual thumb studs for ambidextrous, one-hand opening
- Bronze and Teflon® bearings at the adjustable blade pivot for smooth, fast action

**CRKM4-02**

## Columbia River

**CRKT**



**CRKR1201K**

**Ruger: Crack-Shot Compact**

- Edge: plain
- Finish: black stonewash
- Folding knife with locking liner

**CRKR1201K**



**CRKR1202K**

**Ruger: Crack-Shot Compact**

- Edge: combination
- Finish: black stonewash
- Folding knife with locking liner

**CRKR1202K**



**CRKR1205**

**Ruger: Crack-Shot Compact**

- Edge: plain
- Finish: stonewash
- Folding knife with locking liner

**CRKR1205**



**CRKR1206**

**Ruger: Crack-Shot Compact**

- Edge: combination
- Finish: stonewash
- Folding knife with locking liner

**CRKR1206**



**CRKR1301K**

**Ruger: Cordite Compact**

- Edge: plain
- Paracord wrapped with bead
- Fixed blade survival knife
- Sheath: glass-reinforced nylon

**CRKR1301K**



**CRKR1401K**

**Ruger: Powder-Keg**

- Finish: black stonewash
- Two part TPR over-mold scales
- Fixed blade knife

**CRKR1401K**



**CRKR1701**

**Ruger: Follow-Through**

- Finish: black stonewash
- Fixed blade knife
- Edge: plain
- Two part TPR over-mold scales

**CRKR1701**



**CRKR1703**

**Ruger: Follow-Through Compact**

- Edge: plain
- Glass-reinforced nylon handle
- Finish: stonewash
- Folding knife with locking liner

**CRKR1703**



**CRKR1801**



**CRKR1802**

**Ruger: Go-N-Heavy**

- Edge: plain or combination
- Finish: stonewash
- Black hard anodized aluminum

**CRKR1801** Plain Edge

**CRKR1802** Combination Edge



**CRKR1803**

**Ruger: Go-N-Heavy Compact**

- Edge: plain or combination
- Finish: stonewash
- Black hard anodized aluminum

**CRKR1803** Plain Edge



**CRKR2000K**

**INCENDIARY™**

- Modified tanto blade; black stonewash finish improves corrosion resistance, reduces glare, and masks wear
- Thumb disc blade deployment option
- Deep groove on back of the blade for maximum blade control
- Frame lock secures the blade when open

**CRKR2000K**



**CRKR2001K**



**CRKR2002K**

**Ruger: All-Cylinders**

- Finish: black stonewash
- Machined G10
- Edge: plain or combination
- Folding knife with locking liner

**CRKR2001K** Plain Edge

**CRKR2002K** Combination Edge



**CRKR2102K**

**Ruger: 2-Stage**

- Edge: plain or combination
- Finish: black stonewash
- Hard anodized aluminum and stainless steel

**CRKR2102K** Combination Edge



**CRKR2104K**

**Ruger: 2-Stage Compact**

- Edge: plain or combination
- Finish: black stonewash
- Hard anodized aluminum and stainless steel

**CRKR2104K** Combination Edge



**CRKR2201**

**Ruger: Accurate**

- Edge: plain
- Rubber over-mold
- Fixed blade knife
- Drop point

**CRKR2201**

## Columbia River

**CRKT****CRKR2202****Ruger: Accurate**

- Edge: plain
- Rubber over-mold
- Fixed blade knife
- Rising point

**CRKR2202****CRKR2203****ACCURATE™ FOLDER**

- Locking liner
- Glass-reinforced handle with stainless steel bolster

**CRKR2203****CRKR2301****Ruger Hollow-Point™ P**

- IKBS™ ball bearing pivot system
- 2-position clip
- Frame lock

**CRKR2301****CRKR2302****Hollow-Point™**

- IKBS™ ball bearing pivot system
- Two-position clip
- Frame lock

**CRKR2302****CRKR2303****Hollow-Point™ Compact**

- Folding knife with frame lock mechanism
- 2.4" stainless steel blade with satin finish
- IKBS™; ball bearing pivot system
- Molded plastic scales, two-position pocket clip, lanyard hole and blade flipper

**CRKR2303****CRKR2401****WINDAGE™**

- IKBS™ ball bearing pivot system
- 6061 aluminum handle
- Innovative pocket clip

**CRKR2401****CRKR2402****Windage™ with Veff Serrations™**

- IKBS™ ball bearing pivot system
- 6061 aluminum handle
- Veff serrations™

**CRKR2402****CRKR2501K****Muzzle-Brake™**

- Stout full tang blade with black powder coat finish
- Clip-point blade shape
- 7" long plain edge fixed blade knife with sheath
- Glass-filled nylon handle

**CRKR2501K****CRKR2601****HIGH-BRASS™**

- OutBurst® assisted opening
- Locking liner
- Glass-reinforced nylon handle

**CRKR2601****CRKR2602****HIGH-BRASS™ with VEFF SERRATIONS™**

- OutBurst® assisted opening
- Locking liner
- Glass-reinforced nylon handle

**CRKR2602****CRKR2701****CARBINE**

- Stonewash finish
- Full tang handle
- Glass-reinforced nylon sheath

**CRKR2701****CRKR2801****OVER-BORE™**

- Stonewash stainless steel handle
- Thumb stud opening
- Frame lock

**CRKR2801****CRKR2802****TRAJECTORY™**

- OutBurst® assisted opening
- Frame lock
- Stainless steel handle

**CRKR2802****CRKR3001K****BLACK POWDER™ HATCHET**

- Hot forged 1055 carbon steel is strong and durable
- Magnesium phosphate black coating on the head provides corrosion resistance
- Blunt face hammer poll for pounding tent stakes and other camp chores
- Tough polypropylene, glass fiber reinforced handle with texture for extra grip; lanyard accessory for additional retention

**CRKR3001K****CRKR3801****LCK**

- Flipper opening
- Locking liner
- Glass-reinforced nylon handle

**CRKR3801**

# Knives

## Columbia River

**CRKT**



**CRKR3802K**

### LCK

- Flipper opening
- Locking liner
- Glass-reinforced nylon handle

**CRKR3802K**



**CRKR4801K**

### RTD

- Field strip technology
- Locking liner
- Lipper opening

**CRKR4801K**



**CRKTPENWK**

### Williams Tactical Pen

- Non-reflective black pen
- Overall length: 6" (152 mm)
- Diameter: .63" (16 mm)
- Weight: 1.2 oz (34 g)
- Refill: Fisher Space Pen® #PR4
- Lasting durability and toughness

**CRKTPENWK**

### TPENWP

- 6061 aircraft aluminum, type III anodizing for durability
- Fischer Space Pen® ink cartridge for smooth writing at any angle or temperature
- Low profile

**CRKTPENWP**



**CRKTPENWP**

### Waltons Fish Tool

- Pincer
- Clipper
- Knot tag crimper

**CRKWT1**



**CRKWT1**

## Gerber®



**GER05500**

### MP400 Compact Sport Multi-Tool

- Includes (11) tools
- Made in USA
- Stainless steel
- Nylon sheath

**GER05500**



**GER06149**

### Gatormate® Knife

- 3.08" blade
- Clip-point
- Lock-back
- Glass-filled nylon with Gator Grip® overmold
- Made in USA

**GER06149**



**GER2201471**

### Suspension Multi-Tool

- Includes (12) tools
- Nylon sheath
- 9 oz weight

**GER2201471**



**GER30-000469**

### Dime Black Multi-Tool

- Includes (12) tools
- Stainless steel
- Pocket-carry

**GER30-000469**



**GER31-000345**

### EAB Lite Utility Blade

- Stainless steel handle
- Contractor-grade replaceable utility blade
- Deep finger grooves for secure fit

**GER31-000345**



## Knives- Benchmade® Knife Company



**BNM15001-2**

### Saddle Mountain Skinner

- Fixed blade
- CPM-S30V premium stainless steel blade (58-60HRC)
- Contoured stabilized wood handle
- Pressure-fit, rich leather with integrated guard

**BNM15001-2**



**BNM15016-2**

### Hidden Canyon Hunter

- Fixed blade
- CPM-S30V premium stainless steel blade (58-60HRC)
- Contoured stabilized wood handle
- Pressure-fit, rich leather with integrated guard

**BNM15016-2**



**BNM15031-2**

### North Fork Folder

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Contoured stabilized wood handle
- Reversible tip-up black oxide split-arrow clip

**BNM15031-2**



**BNM15060-2**

### Grizzly Creek

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Contoured stabilized wood handle
- Folding gut hook
- Reversible tip-up black oxide split-arrow clip

**BNM15060-2**



**BNM15061**

### Grizzly Ridge

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Orange grivory and warm gray overmolded Versaflex® handle
- Reversible tip-up black oxide split-arrow pocket clip
- Orange anodized aluminum thumb stud and barrel spacers

**BNM15061**



**BNM15085-2**

### Mini Crooked River

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Contoured stabilized wood handle with anodized aluminum bolsters and stainless steel liners
- Orange G10 backspacer, orange anodized aluminum pivot ring
- Reversible tip-up black oxide split-arrow pocket clip

**BNM15085-2**



**BNM162**

### Bushcrafter

- Fixed blade
- CPM-S30V premium stainless steel blade (58-60HRC)
- Hand-blended green and red, contoured G10 handle
- Full-grain leather sheath with belt loop and D-ring
- Pressed titanium handle tubing

**BNM162**



**BNM200**

### Puukko

- Fixed blade
- CPM-3V super tough tool steel blade (57-59HRC)
- Textured ranger green santoprene handle
- Black leather sheath with ferro rod loop and dangler

**BNM200**



**BNM319**

### Proper®

- Slip-joint
- CPM-S30V premium stainless steel blade (58-60HRC)
- Dark brown canvas micarta handle

**BNM319**



**BNM365BK**

### Outlast

- Option Lock dual blade mechanism
- CPM-S30V premium stainless steel blade (58-60HRC) drop point blade
- CPM-3V super tough tool steel (57-59HRC) opposing bevel blade
- Black textured G10 handle
- 440c rescue hook (58-60HRC) and carbide glass breaker

**BNM365BK**

### Vector®

- AXIS® Assist lock mechanism with integrated safety
- CPM-S30V premium stainless steel blade (58-60HRC)
- Black contoured and textured G10 handle with stainless steel liners
- Stainless steel barrel spacers
- Reversible tip-up silver deep-carry pocket clip

**BNM495**



**BNM495**



**BNM496**

### Vector® - Compound Grind

- AXIS® Assist lock mechanism with integrated safety
- CPM-20CV premium stainless steel blade (59-61HRC)
- Drop-point with compound grind; flat ground, wedge tip with hollow ground main
- OD Green with white pinstripe G10 Handle
- Milled aluminum bolster

**BNM496**



**BNM535**

### Bugout - Blue

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Textured blue grivory handle
- Blue anodized thumb studs and barrel spacers
- Reversible tip-up mini deep-carry pocket clip

**BNM535**



**BNM535GRY-1**

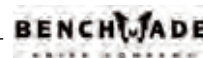
### Bugout - Tan

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Textured ranger green grivory handle
- Tan anodized thumb studs, barrel spacers and a PVD coated blade
- Reversible tip-up mini deep-carry pocket clip

**BNM535GRY-1**

# Knives

## Knives- Benchmade® Knife Company



**BNM537GY**

### Bailout®

- AXIS® lock mechanism
- CPM-3V super tough tool steel (57-59HRC) Tanto blade
- Black grivory handle
- Mini Deep Carry pocket clip

**BNM537GY**



**BNM551-S30V**

### Griptilian®

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Glass-filled nylon handle
- Stainless steel liners
- Reversible tip-up black oxide pocket clip

**BNM551-S30V**



**BNM556-S30V**

### Mini Griptilian®

**BNM556-S30V**



**BNM560BK-1**

### Freek®

- AXIS® lock mechanism
- CPM-M4 super steel blade (62-64HRC)
- Gray and black textured G10 handle with red base layer
- Red anodized aluminum barrel spacers
- Reversible tip-up split-arrow picket clip

**BNM560BK-1**



**BNM583SBK**

### Barrage®

- AXIS® Assist lock mechanism with integrated safety
- 154CM stainless steel blade (58-61HRC)
- Black tanto blade with serrations
- Black valox handle with stainless steel liners
- Reversible tip-up black oxide split-arrow clip

**BNM583SBK**



**BNM585**

### Mini Barrage®

- AXIS® Assist lock mechanism with integrated safety
- 154CM stainless steel blade (58-61HRC)
- Black valox handle
- Stainless steel liners
- Reversible tip-up black oxide split-arrow pocket clip

**BNM585**



**BNM591BK**

### Boost®

- AXIS® Assist lock mechanism with integrated safety
- CPM-3V super tough tool steel blade (57-59HRC)
- Opposing Bevel blade
- Red grivory and black overmolded Versaflex handle
- Reversible tip-up black oxide deep-carry pocket clip

**BNM591BK**



**BNM595**

### Mini-Boost®

- AXIS® Assist lock mechanism with integrated safety
- CPM-S30V premium stainless steel blade (58-60HRC)
- Dark gray grivory and black overmolded Versaflex handle
- Reversible tip-up black oxide deep-carry pocket clip

**BNM595**



**BNM940**

### Osborne®

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Green anodized 6061-T6 billet aluminum handle
- Purple anodized titanium backspacer
- Reversible tip-up black oxide pocket clip

**BNM940**



**BNM940-1**

### Osborne – Carbon Fiber

- AXIS® lock mechanism
- CPM-S90V premium stainless steel blade (59-61HRC) blade
- Carbon fiber handle
- Blue anodized barrel spacers
- Reversible tip-up black oxide pocket clip

**BNM940-1**

### Osborne – G10

- AXIS® lock mechanism
- CPM-S30V premium stainless steel blade (58-60HRC)
- Black 3D milled G10 handle
- Green anodized barrel spacers
- Reversible tip-up black oxide pocket clip

**BNM940-2**



**BNM940-2**

## Nite Ize®



### Financial Tool® Multi Tool Wallet

- 7-in-1 multi tool wallet includes: Cash Wrap strap, scraper, bottle opener, (3) wrenches (1/4, 5/16, and 3/8"), flathead screwdriver, PHILLIPS® screwdriver/tape cutter, metric and imperial ruler
- Secure cash wrap strap doesn't lose its stretch, won't weather or wear
- Secure and comfortable
- Lightweight, low-profile design

**NIFFMT201R7**



**NIFFMT201R7**

### Skullkey

- Key-sized multi tool easily attaches to key rings
- Includes: scoring point, bottle opener, file, serrated edge, and #2 flat-head screwdriver
- Durable stainless steel construction
- Compact, easy-to-use design
- Travel and airport friendly

**NIFKMTSK11R3**



**NIFKMTSK11R3**



## Outdoor Edge®

### Butcher-Lite

- Complete 8 pc field-to-freezer game processing set with a nylon roll-pack that converts to a belt scabbard
- This set includes a caping knife, gut-hook Skinner, boning/fillet knife, wood/bone saw, ribcage spreader, game cleaning gloves, and a tungsten carbide sharpener to maintain a shaving-sharp edge at all times
- The full-tang 420J2 stainless steel knife blades are precisely heat treated, taper ground thin and hand finished shaving-sharp for superior edge retention and performance
- Rubberized TPR handles ensure comfort during long use and provide a safe, non-slip grip even when wet
- Features snap-in, removable, knife scabbards for easy cleaning



ODRBL-1

ODRBL-1 8 pc Roll-Pack/Box

### Chowpal – Meal-time Multi-tool

- This all-in-one utensil set/multi-tool adds a can opener, bottle opener, flathead screwdriver and wrench to a nested fork and folding knife/spoon that lock together but quickly and easily slide apart when you're ready to chow down
- The knife/spoon utensil features a locking, single-bevel knife blade that folds flat against the spoon
- The fork features a graduated SAE/metric wrench
- Includes its own nylon storage pouch



ODRCPL-10C

ODRCPL-10C



ODRCQ-30

### 3.0" Conquer – Plain Edge

- Flipper opener for quick deployment
- Pocket clip for easy access
- Ball bearing pivot for silky smooth opening with no side-to-side play
- Sturdy frame lock
- Titanium coated 420 stainless steel/G10 handle stands up to years of hard use

ODRCQ-30



ODRCQ-35

### 3.5" Conquer – Plain Edge

- Flipper opener for quick deployment
- Pocket clip for easy access
- Ball bearing pivot for silky smooth opening with no side-to-side play
- Sturdy frame lock
- Titanium coated 420 stainless steel/G10 handle stands up to years of hard use

ODRCQ-35



ODRLDK-30

### Le Duck – Black

- This multi-purpose utility knife is perfect for all outdoor uses and as a lightweight backup blade for any survival situation
- The 2-1/2" Blackstone™ coated 8Cr14MoV stainless blade is precisely heat treated and hand finished shaving-sharp for superior edge retention and performance
- The distinct duck head handle with TPR coating is extremely comfortable for a secure lock-on grip, even when wet
- Features a multi-carry sheath system with a 360° rotating clip that attaches to any flotation, fishing, or diving vest, and is compatible with any MOLLE system
- The clip is removable and replaceable via two Chicago-style fasteners, and the included 550 Paracord lanyard quickly converts the Le Duck to a neck knife

ODRLDK-30 Black

### The Outfitter – Hunting Set

- Every tool for the professional outfitter in a nylon organizer
- Includes a caping knife, gut-hook Skinner, boning/fillet knife, axe, wood/bone saw, ribcage spreader, game cleaning gloves, and a ceramic/carbide sharpener to maintain a razor edge on the knives and axe at all times
- The 420J2 stainless knife blades are precisely heat treated to hold a great edge, and hand finished shaving-sharp
- Rubberized, blaze-orange TPR handles offer high visibility in the field and ensure a non-slip grip, even when wet
- Individual sheaths are included to carry the knives and axe separately

ODROF-1



ODROF-1



ODROX-10

### Onyx EDC Replaceable Blade Knife (Black, 3-Blades) - Box

- Never sharpen your knife again
- The strongest, safest, drop-point replaceable blade knife on the market
- Low profile pocket clip for easy access and comfortable use
- Black blade support system provides the strength and versatility of a traditional knife with the quick blade exchange of a utility knife
- Includes three (3) replacement blades

ODROX-10 Black, 3 pc



ODROX-30

### 3 pc 3" Onyxlite Knife Pack

- 3.0" replacement razor blade knife for everyday carry
- Combines RazorSafe™ System performance with everyday convenience
- The Onyx Lite features a durable, one piece Grivory™ handle with a metal pocket clip
- Comes with (3) blades

ODROX-30

### 12 pc Game Processor

- Outdoor Edge's original and most complete 12 pc game processing set with a hard-side carry case
- This set includes a caping knife, gut-hook Skinner, boning/fillet knife, butcher knife, wood/bone saw, carving fork, full-size cutting board, ribcage spreader, game cleaning gloves, and a tungsten carbide sharpener to maintain a shaving-sharp cutting edge at all times
- The full-tang 420J2 stainless steel knife blades are precisely heat treated, taper ground thin and hand finished shaving-sharp for superior edge retention and performance
- Rubberized TPR handles ensure comfort during long use and provide a safe, non-slip grip even when wet
- Save the cost of commercial processing and guarantee the quality of the meat for your family with the Game Processor

ODRPR-1



ODRPR-1

## Outdoor Edge®



### Razor-Blaze Replaceable Blade Knife (Orange, 6-Blades)

- Never sharpen your knife again
- The strongest, safest, drop-point replaceable blade knife on the market
- Includes a Mossy Oak® belt sheath
- Black blade support system provides the strength and versatility of a traditional knife with the quick blade exchange of a utility knife

- Full metal liner with rubberized coating ensures a safe, secure, grip
- Includes six (6) replacement blades

**ODRRB-20** Orange, 6 pc



**ODRRB-20**



**ODRRF-60C**



**ODRRF-75C**



**ODRRF-95C**

### 6" Reel-Flex Fillet Knife

- Professional grade fillet knives crafted from German 4116 stainless steel for excellent edge retention and corrosion resistance
- Ergonomically shaped TPE handles provide an extremely comfortable, non-slip grip
- Reel-Flex fillets are available in 6, 7-1/2 and 9-1/2" blade lengths
- Each knife includes a polypropylene sheath with swivel clip belt attachment

**ODRRF-60C**

### 7.5" Reel-Flex Fillet Knife

- Professional grade fillet knives crafted from German 4116 stainless steel for excellent edge retention and corrosion resistance
- Ergonomically shaped TPE handles provide an extremely comfortable, non-slip grip
- Reel-Flex fillets are available in 6, 7-1/2 and 9-1/2" blade lengths
- Each knife includes a polypropylene sheath with swivel clip belt attachment

**ODRRF-75C** 7.5" Reel-Flex Fillet Knife

### 9.5" Reel-Flex Fillet Knife

- Professional grade fillet knives crafted from German 4116 stainless steel for excellent edge retention and corrosion resistance
- Ergonomically shaped TPE handles provide an extremely comfortable, non-slip grip
- Reel-Flex fillets are available in 6, 7-1/2 and 9-1/2" blade lengths
- Each knife includes a polypropylene sheath with swivel clip belt attachment

**ODRRF-95C** 9.5" Reel-Flex Fillet Knife



**ODRRLB-30**



**ODRRLB30-30C**



**ODRRLU30-40C**

### RazorLite™ EDC Replaceable Blade Knife (Orange, 6-Blades)

- Never sharpen your knife again
- An exceptionally strong, safe, drop-point replaceable blade knife
- Low profile pocket clip for easy access and comfortable use
- Black blade support system provides the strength and versatility of a traditional knife with the quick blade exchange of a utility knife
- Includes six (6) replacement blades
- Lifetime warranty

**ODRRLB-30** Orange, 6 pc

### 3" RazorLite™ EDC – (4) Blades

- 3.0" replacement razor blade knife for everyday carry
- Combines RazorSafe™ System performance with everyday convenience
- The Razor-Lite EDC features a durable, one piece Grippy® handle with rubberized TPR inserts, and a metal pocket clip
- Comes with (4) blades

**ODRRLB30-30C** Orange

**ODRRLY30-50C** Grey

**ODRRR30-6** 3" Replacement Blade – 6 pk

### RAZR Lite EDC

- 3.0" replacement razor blade knife built for everyday carry
- Push the button on the handle to remove and insert a new blade
- Folding knife with easy-to-use lock-back design
- Double sided thumb studs for one-hand opening with pocket clip for carry
- Handle is constructed from glass-reinforced nylon with rubberized inserts
- Includes four replacement blades made from 420J2 stainless steel

**ODRRLU30-40C**

### RazorLite™ EDC Replaceable Blade Knife (Blue, 6-Blades)

- Never sharpen your knife again
- An exceptionally strong, safe, drop-point replaceable blade knife
- Low profile pocket clip for easy access and comfortable use
- Black blade support system provides the strength and versatility of a traditional knife with the quick blade exchange of a utility knife
- Includes six (6) replacement blades
- Lifetime warranty

**ODRRLU-40** Blue, 6 pc



**ODRRLU-40**

### RazorLite™ EDC Replaceable Blade Knife (Gray, 6-Blades)

- Never sharpen your knife again
- An exceptionally strong, safe, drop-point replaceable blade knife
- Low profile pocket clip for easy access and comfortable use
- Black blade support system provides the strength and versatility of a traditional knife with the quick blade exchange of a utility knife
- Includes six (6) replacement blades
- Lifetime warranty

**ODRRLY-50** Gray, 6 pc



**ODRRLY-50**



## Outdoor Edge®



**ODRRR-6**

### 6-Razor-Lite Replacement Blades

- Never sharpen your knife again
- Replacement blade pack for all Razor-Lite Series knives
- Includes six (6) blades
- 420J2 Japanese Stainless Steel

**ODRRR-6** 6 pc



**ODRWL-6**

### Wild-Lite (6 pc kit)

- Complete 6 pc field dressing kit
- Full tang handles for a lifetime of use
- Blaze orange handles never get lost
- Features an elk horn inlay with TPR coating for enhanced grip
- Lifetime warranty

**ODRWL-6**



**ODRSWB-10C**

### SlideWinder™ - Blister

- This nimble little multitool accepts standard utility razor blades and sports handy flat head and PHILLIPS® screwdrivers, pocket clip and an always welcome bottle opener
- The slide opening blade locks securely and springs back into the handle automatically with the push of a button
- Constructed from sturdy glass/nylon and stainless steel, the SlideWinder™ makes a great addition to any toolbox, keychain, glove box, pants pocket, kitchen drawer and more

**ODRSWB-10C** Orange

**ODRSWK-30C** Black

**ODRSWU-20C** Blue



**ODRSZ-20N**

### SwingBlaze® - Orange

- Features Outdoor Edge's signature gutting blade
- Rotates between the ultimate gutting blade and skinning blade
- Blaze orange handles never get lost
- Includes quality nylon belt sheath
- Lifetime warranty

**ODRSZ-20N**

### 8 pc WILDPAK™

- This complete 8 pc, field-to-freezer game processing set with hard-side carry case includes a caping knife, gut-hook Skinner, boning/fillet knife, wood/bone saw, ribcage spreader, game cleaning gloves, and a tungsten carbide sharpener to maintain a shaving-sharp cutting edge at all times
- The full-tang 420J2 stainless steel knife blades are precisely heat treated, taper ground thin and hand finished shaving-sharp for superior edge retention and performance
- Rubberized, blaze-orange TPR handles offer high visibility in the field and ensure a non-slip grip, even when wet
- The elk horn inlay provides extra indexing points for greater control, and to prevent fatigue during long use
- Save the cost of commercial processing and guarantee the quality of the meat for your family with the WILDPAK™

**ODRWP-2**



**ODRWP-2**

## Sharpeners



**BAS10003**

### Edgemate™ Knife Sharpener

- Exclusive knife angle guide
- Coarse, medium, fine hones
- Custom carrying case

**BAS10003**

**BAS11022** 2 oz Honing Oil

**BAS11061** 6 oz Honing Oil



**BAS10005**

### Edgemate™ Pro Knife Sharpener

- Exclusive knife angle guide
- (5) Hones x/course/serrated/fine/medium
- Custom carrying case

**BAS10005**

**BAS11022** 2 oz Honing Oil

**BAS11061** 6 oz Honing Oil



**BAS12001**

### Easy-grip Clamp Mount

- Holds knife angle guide
- Maximize ease for large knives
- Mounts to any work surface

**BAS12001**



**BAS40001**

### Edgemate™ Carbide Sharpener

- Fast, safe, restore edge
- Tungsten carbide bits
- CNC checkered secure grip

**BAS40001**

**BAS40021** Replacement Carbide Blades (2 pk)



**BAS40006**

### Military Carbide Sharpener

- Lightning fast sharpening
- Designed for tac blades
- Compact, lightweight, easy to carry

**BAS40006**



**BAS60616**

### Diamond Tri-seps Serration

- Monocrystal diamonds
- Sharpens large and small serration
- Pointed instruments, lightweight

**BAS60616**



**BAS6224**

### Super Micro-X Sharpener

- Two fine and two med rods
- Angle pre-set to ensure ease
- Fits in your pocket, lightweight

**BAS6224**



**BAS6402**

### Double Duty Sharpener

- Ceramic and carbide rods
- Tungsten carbide bits
- Easy carry in pocket

**BAS6402**

# Knives

## Sharpeners

### Work Sharp® Combo Knife Sharpener

- Designed to be the fastest and easiest sharpener yet
- Combines powered flexible abrasive belt technology with a manual ceramic honing rod
- Sharpens pocket knives, hunting knives, serrated knives, kitchen knives and more
- Fast and easy—Uses precision sharpening and honing guides to get the perfect angle every time
- Restore a dull knife to a perfect "sharp as new" edge with ease

**DRXWSCMB**



**DRXWSCMB**

### Work Sharp® Knife Field Sharpener

- 20° and 25° sharpening guides create consistent blade edge angles with speed, ease and repeatability; ideal for your hunting knives, pocket knives and fillet knives
- Strong rare earth magnets secure the easily interchangeable diamond plates and also provide coverage for the broadhead wrench and small storage compartment
- Compact design and lanyard hole make it easy to pack/carry on your next outdoor adventure so you can sharpen anytime, anywhere with speed and ease
- Also sharpens serrated knives, fish hooks, broadheads and many common camp tools

**Includes:** Two Diamond Plates, Two Ceramic Rods, One Leather Strop and Sharpening Guides

**DRXWSGFS221**



**DRXWSGFS221**



**DRXWSGPS-W**

### Pocket Knife Sharpener

- Honing guides
- Ceramic honing rod
- Lanyard Hole
- Sharpening guides
- Diamond plate

**DRXWSGPS-W**

### Blade Grinder Attachment

- 4-pulley attachment is fully adjustable from 10–35° (in 1° increments) and uses 1 x 18" engineered abrasive belts in a wide range of grits
- Top pulleys have two center distance positions to choose the preferred belt deflection to create the edge profile desired – a full convex or a flat convex
- This attachment is similar in design to what blade makers use and provides a wide range of adjustability so you can custom shape, sharpen and hone blades at home without the cost or size of full-scale blade maker's equipment
- This attachment is quickly installed thanks to the tool-less design, so changing belts and attachments is quick and easy
- Belt speed is adjustable from 1,200–2,800 SFM to accommodate a wide range of sharpening and honing tasks
- Provides full selection of 1 x 18" abrasive grit belts and also accepts an optional leather belt for power stropping. Norton Norax® X65, X22, X4 and Micro-Mesh® 12000 included so you can shape, sharpen, hone and strop your blades

**DRXWSK081112**

**DRXWSK081115 Belt Kit**



**DRXWSK081112**



**DRXWSKTS**

### Work Sharp® Knife and Tool Sharpener

- Designed to sharpen every knife you own
- Uses flexible, abrasive belts
- Sharpen straight-bladed as well as tanto blades, fillet, serrated, gut hook or virtually any other shaped knife blade
- Two guides are included: 50° for hunting and outdoor knives (25° per bevel) and a 40° guide for thinner blades and kitchen knives (20° per bevel)
- Includes two 80 grit belts for detail grinding applications, two 220 grit belts for blade shaping and two 6,000 grit belts for final honing of a blade

**DRXWSKTS**

**DRXWSSA2703** P80 Coarse Grit Belts

**DRXWSSA2704** P220 Medium Grit Belts

**DRXWSSA2705** 6000 Fine Grit Belts



**DRXWSKTS-KO**

### Knife and Tool Sharpener Ken Onion Edition

- Designed to sharpen every knife you own with speed, ease and repeatability
- Uses a fully adjustable precision sharpening guide (15–30° in 1° increments), variable-speed and wide flexible abrasive belts
- Sharpens household scissors and performs light duty tool sharpening tasks
- Deliver the pinnacle of knife sharpening to your home or shop

**DRXWSKTS-KO**

**DRXWSK081113 Belt Kit**



**ODRSX-100**

### Sharp-X Sharpener

- Two stage (coarse carbide/fine ceramic) sharpener
- Stabilizer bar in the base rotates out for added stability and folds flat for easy storage
- 3M® rubberized traction dots prevent slipping on wet surfaces
- Lifetime warranty

**ODRSX-100**

## 2-Post Lift Accessories

### Rack Hook – Rack Leg Positioning Tool

- No more bending and kneeling to pull or kick out the rack legs on your lift
- Eliminate added stress on your back and legs
- Compatible with electric and hydraulic lifts
- Powder-coated finish with a comfortable foam grip

SFERHFG



SFERHFG

## Engine Cranes

### Engine Cranes

- Heavy-duty welded construction with rugged reinforced tubular steel
- Metered control release valve for lowering boom at precisely controlled rate of speed
- Special 8 ton hydraulic long ram is equipped with a patented built-in by-pass mechanism
- Four boom positions from 31-1/8–43"

**OMG44020** Capacity: 2 ton, Base 2 Base Length: 62-1/2–91-1/2" Base Width (Front): 29–33-7/8" Base Width (Rear): 34-5/8–53-1/8" Weight: 317 lb



OMG44020

## Engine Support

### Engine Support Bar (3-Point)

- Cutting-edge design self-centers load to prevent tipping on inclined surfaces
- Smooth sliding legs adjust easily to different vehicle widths
- PVC-coated support legs do not scratch vehicle surfaces
- "Quick Connect" third-point bar makes setup a snap
- Spinner handle enables lightning-fast adjustment

OTC1725



OTC1725



## Bottle Jacks

### Air/Hydraulic Bottle Jacks

- Effortless air operation will greatly reduce operator fatigue and speed up the efficiency of garage work
- Versatile "Quick Connector" design provides for easy removal of air hose from air motor, allowing compact storage or remote operation
- Compact, yet powerful air turbo motor equipped to raise the load to the desired height efficiently, effortlessly and safely
- Built-in by-pass device protects hydraulic system from over pumping damage
- Chrome-plated ram for corrosion resistance

OMG18124C

**OMG18124C** Capacity (ton): 12/Minimum Height: 9-1/2"/Maximum Height: 18-1/2"/Hydraulic Lifting: 5-1/2"/GW: 37 lb

**OMG18204C** Capacity (ton): 20/Minimum Height: 9-3/4"/Maximum Height: 18-3/4"/Hydraulic Lifting: 5-1/8"/GW: 37 lb

**OMG18302C** Capacity (ton): 30/Minimum Height: 11"/Maximum Height: 18-1/8"/Hydraulic Lifting: 7-1/8"/GW: 63 lb



## Engine Stands

### Engine Stands

- Head plate locks in eight positions and rotates 360°

**OMG30750** Capacity (lb): 750/G.W. (lb): 56

**OMG31250** Capacity (lb): 1,250/GW (lb): 87



### Heavy Duty Engine Stand

**Engine Stands, Capacity (lb): 1,250/GW (lb): 117**

- Worm gear allows for smooth and effortless engine rotation

**OMG31256** Capacity (lb): 1,250/GW (lb): 117



OMG31256



### 6,000 lb Capacity Revolver Diesel Engine Stand

- Rotating an engine is easy with a 96:1 ratio worm and gear set
- Crank handle locks in any position
- Integral 12 ton jack raises the work to provide the swing radius needed for clearance
- Two front wheels and two rear casters provide mobility
- Universal adaptor assembly permits use with a wide variety of mounting plates for Caterpillar®, Cummins®, Mack®, IH® and Detroit® inline or "V" series diesel engines, as well as Allison® transmissions

OTC1750A

OTC1750A



## Hydraulic Service Jacks

### 5 Ton Air Hydraulic Service Jack

- High speed Air Turbo Motor is equipped to raise the load to the desired height efficiently, effortlessly and safely
- Wide stance and low center of gravity provide optimum stability under load stress
- Heavy gauge steel frame helps prevent distortion or twisting
- Handle actuated release valve provides precise metered control of lowering speeds
- Convenient foot pedal designed for fast no load lifts

OMG22051C



OMG22050C

### 5 Ton Air Hydraulic Service Jack

- High speed Air Turbo Motor is equipped to raise the load to the desired height efficiently, effortlessly and safely
- Wide stance and low center of gravity provide optimum stability under load stress
- Heavy gauge steel frame helps prevent distortion or twisting
- Handle actuated release valve provides precise metered control of lowering speeds
- Convenient foot pedal designed for fast no load lifts

OMG22051C

### 10-Ton Long Chassis Service Jack

- Wide stance and low center of gravity provide optimum stability under load stress
- Heavy gauge, steel frame helps prevent distortion or twisting
- Handle actuated release valve provides precise metered control of lowering speeds
- Convenient foot pedal designed for fast, no load lifts

OMG22100C



OMG22051C

OMG22100C





# Lifting

## Hydraulic Service Jacks

### 10-Ton Long Chassis SVW Jack with Air

- High speed air turbomotor is equipped to raise the load to the desired height efficiently, effortlessly, and safely
- Wide stance and low center of gravity provide optimum stability under load stress
- Heavy gauge, steel frame helps prevent distortion or twisting
- Handle actuated release valve provides precise metered control of lowering speeds
- Convenient foot pedal designed for fast, no load lifts

**OMG22101C**



**OMG22101C**

### Low Profile Magic Lift Service Jack

- Extra long low side frames designed for long reach under the car chassis
- Innovative design of "Magic Lift" offers a quicker lift for professional performance
- Wide stance and low center of gravity provides optimum stability under load stress
- U-joint release mechanism provide precision control of load descent in any handle position
- Exclusive designed breather plug eliminates air in the hydraulic system, optimizing jack performance

**OMG29023B** Capacity: 2 ton, Minimum Height: 2-1/2", Maximum Height: 20", Handle Length: 52", Saddle Diameter: 4-7/8", Jack Length: 42-1/2", Jack Width: 13-3/4", GW: 122 lb



**OMG29023B**

### Heavy Duty Hydraulic Jacks Magic Lift Service Jacks

- Innovative design of "Magic Lift" offers a quick lift for professional performance
- Heavy-gauge construction with rugged u-joint release valve
- Built-in by-pass device protects hydraulic system from over pumping damage
- Metered release system allows for precise load control
- After first pump reaches the lifting pump, the jack continues with extraordinary lifting speed to raise the load to the desired height
- Rolled side frame adds strength and rigidity to reduce twisting
- Exclusive designed breather plug eliminates air in the hydraulic system, optimizing jack performance

**OMG23227** Capacity (ton): 35/22/Minimum Height: 8-1/4"/Maximum Height: 19 5/8"/GW: 105 lb

**OMG23227**



## Jack Stands

### Pin Style Jack Stands

- Sturdy, welded steel construction for superior safety and strength
- Heavy-gauge steel frame helps prevent distortion or twisting

**OMG32105B** Capacity (ton): 10/Minimum Height: 18-5/8"/Maximum Height: 30-1/2"/GW: 88 lb

**OMG32107B** Capacity (ton): 10/Minimum Height: 28"/Maximum Height: 47"/GW: 120 lb

**OMG32225B** Capacity (ton): 22/Minimum Height: 12-1/4"/Maximum Height: 19-7/8"/GW: 65 lb



**OMG32105B**



**OMG32225B**



**OMG32107B**

## Lifting Brackets

### Lifting Brackets

- Attach directly to component, then hook lifting chain through chain link for easy lifting

**Set Includes:** Two 4,000 lb capacity brackets

**OTC7100**



**OTC7100**

## Pneumatic Jacks

### RakJak™ Jack

- Compact powerful and fast to use
- Adjustable top swivels 360° for easy grab of vehicle jack points
- Convenient handles located at front and rear for maximum flexibility during use and transport
- Internal stabilizer
- Pressure relief valve to prevent over-inflation

**ZENDBT2** 2 Ton, 13.75" Extension without Handle

**ZENRJPIV** 12" Pivoting Jack Pad (Fits all RakJaks™)

**ZENTBT2** 2 Ton, 18" Extension without Handle

**ZENTBT2L** 2 Ton, 18" Extension with Handle



**ZENTBT2**



**ZENDBT2**

**ZENDEX**  
American Tool Builders

## Transmission Jacks

### Telescopic Transmission Jack

- Extra-wide base lowers center of gravity and promotes stability
- Rugged steel wheels and full swivel ball bearing casters
- A unique, handy release pedal provides controlled lowering of load

**OMG40700** Capacity (lb): 700, Minimum Height: 57-1/4", Maximum Height: 76-3/8", GW: 136 lb



**OMG40700**

### 1 Ton 2 Stage Transmission Jack

- Single-stage chrome-plated ram maximizes its high reach operated by a user-friendly foot pedal
- Extra-wide base lowers center of gravity and promotes stability
- Unique foot release pedal provides safety in lowering the load
- Rugged steel wheels and full swivel ball bearing casters

**OMG41000C** 1/2 Ton 2 Stage Transmission Jack



**OMG41000C**

### 1,000 lb Transmission Jack

- Two-stage chrome-plated rams maximize its high reach operated by a user-friendly foot pedal
- Extra-wide base lowers center of gravity and promotes stability
- Air motor assists in raising the first stage load
- Rugged steel wheels and full swivel ball bearing casters

**OMG41001C** 1/2 ton Air Assisted Two Stage Transmission Jack



**OMG41001C**



## Tripod Stand



### Tripod Stand

- Ideal to support the exhaust system, shock absorber and other vehicle components during an under vehicle repair

**OMG33020** Capacity: 2 ton,  
Minimum Height: 66-1/2",  
Maximum Height: 75-3/4",  
GW: 54 lb



**OMG33020**

### Automotive GoJak® Jack 5211

- Self-Loading Wheel Dolly allows for easy positioning of locked, blocked or disabled vehicles
- (4) 4" ANSI® 2012 nylon casters make this model extremely versatile
- Double ball bearing raceways makes moving under load easy
- Can move vehicles up to 5,200 lbs (2,358 kg)
- All-steel construction frame and high level of craftsmanship
- (2) High strength galvanized 2-1/2" steel rollers

**ZEN5211** Wheel Weight up to 1,300 lbs, Tire Width to 11" W x 36" H, Standard Right Pedal

**ZEN5211L** Wheel Weight up to 1,300 lbs, Tire Width to 11" W x 36" H, Left Pedal for Towing Application



**ZEN5211**

### Light Truck GoJak® Jack

- Self-Loading Wheel Dolly allows for easy positioning of locked, blocked or disabled vehicles
- (2) 4" and (2) 5" ANSI® 2012 nylon casters make this model extremely versatile
- Double ball bearing raceways makes moving under load easy
- Can move vehicles up to 6,300 lbs (2,855 kg)
- All-steel construction frame and high level of craftsmanship
- (2) High strength galvanized 2-1/2" steel rollers

**ZEN6313** Wheel weight up to 1,575 lbs, tire width to 13" W x 36" H, standard right pedal

**ZEN6313L** Wheel weight up to 1,575 lbs, tire width to 13" W x 36" H, left pedal for towing application

**ZENRJ BKT** RakJak Wall Mount Bracket



**ZEN6313**

## Wheel Dollies

### Super-Slick GoJak® Jack

- Self-Loading Wheel Dolly allows for easy positioning of locked, blocked or disabled vehicles
- Straight axle design ideal for wider tires (Tire Sizes to 20" W x 34.625" H)
- Can move vehicles up to 4,500 lbs (2,040 kg)
- All-steel construction frame and high level of craftsmanship
- (4) 3" Heavy duty nylon casters with double ball bearing raceways (ANSI® 2012 Certified)
- (4) High strength galvanized 1" steel rollers
- Ideal for vehicles with wide tires

**ZEN4520** Wheel Weight up to 1,125 lbs, Tire Width to 20" W x 34.625" H



**ZEN4520**

### GoJak® SUV™

GoJak® 67016 SUV

- Most capable GoJak® made specifically to handle Light Duty Class 1 and 2 trucks and SUV's
- Straight axle design ideal for wider dual rear tires (Tire Sizes to 16" W x 33" H)
- (4) Super heavy-duty G.F. nylon casters (ANSI® 2012 Certified) for heavier loads
- Can move vehicles up to 7,000 lbs (3,175 kg)
- All-steel construction frame and high level of craftsmanship
- (4) High strength galvanized 1" steel rollers

**ZEN7016** Wheel Weight up to 1,750 lbs, Tire Width to 16" W x 33" H  
**ZEN567R**



**ZEN7016**

### 2 GoJak® Jack Wall-Mount Brackets

- Convenient wall-mount brackets keep your GoJak® off the floor and accessible
- Mounting hardware included
- Fits all models

**ZENGOBKT**



**ZENGOBKT**

### Tow Truck Mounting Brackets

- Conveniently stores your GoJak® wheel dolly until needed
- Self-locking ratchet design ensures your GoJak® jacks wheel Dollies in place
- Convenient padlock bracket is provided to prevent theft
- Fits all GoJak® models
- Mounting hardware included

**ZENGOTOW**



**ZENGOTOW**

## Wheel Loader



**OMG92100**

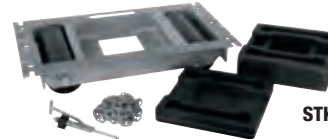


### Wheel Arm Tire Hanger (2 ea)

- Easily put on or take off tires from a vehicle – avoids bending over to put down or pick up tires
- Efficiently holds tire/wheel on lift arm of a two-post lift
- Wheel arm holds the tire at lift arm height and is useful for tire rotations and brake jobs
- Adjusts both horizontally and vertically
- To save space, the bar can be positioned to the side when not in use
- Capacity: 100 lb
- Accommodates lift arms 3–5" wide

**Set Includes:** (2) Wheel Arms (2) Magnetic Tool Trays

**OMG92100**



**STK71480**



### 4th Wheel Loader

- Tough 24" x 14" hardened aluminum fabricated platform with (2) 4" x 10" polypropylene roller wheels, (6) 5/8" holes for mini-J hooks for loading assistance and 1" axles which provides a safe platform to easily hold and secure up to 5 tons while loading a vehicle with broken ball joints and/or a damaged wheel/tire on a roll back
- Comes with a 6' x 3/16" chain, hand adjustable screw type load binder and 3/8" extension nut that will easily connect to the chain and loader base unit by hand or wrench to secure the load and pull the car up on the roll back or allow the technician to steer the damaged vehicle into the shop
- 4" high (without shim blocks) with a built-in 6 x 1-1/4" handle
- Comes with (1) 10 x 10 x 3" and (1) 10 x 10 x 1-1/2" polypropylene interlocking shim blocks, which fit into the recessed loader pocket

**STK71480**

# Lighting

## Browning®



**BNG3712125**

### Microblast USA Rechargeable Pen Light

- 20–160 lm; effective distance: 20–60 yards
- Lightweight compact design
- White LED
- Twist switch for easy lock on and off
- Rechargeable Li-Ion battery

**BNG3712125**



**BNG3713415**

### Stoke USB Rechargeable

- 1,000 lm; effective distance 250 yards
- Spot-to-Flood lens
- Luxeon white LED with (3) time efficient modes: 2-hour mode/1,000 lm; 6-hour mode/125 lm; 24-hour mode/18 lm
- USB rechargeable Li-Ion battery

**BNG3713415**



**BNG3718635**

### Epic 1AA USB Rechargeable Headlamp

- 100–260 lm; effective distance 75–115 yards
- Recharges in just 2–3 hours
- Li-Ion rechargeable battery
- Powerful white LED Includes a green LED for greater stealth and night vision

**BNG3718635**

## Cap Light



### Trailmate Rechargeable Keychain/Cap Light

- Ultra-compact light with pocket/cap clip and key ring lanyard
- White and green LEDs
- High/low modes
- Rugged polymer body

**BNG3715015**



**BNG3715015**

### Night Seeker 2 USB Rechargeable Cap Light

- 19 lm; effective distance 20–25 yards
- Powerful white LED
- Dual color: white and green
- Rechargeable Li-Ion battery
- Clips to a pocket or pack strap used as a freestanding light

**BNG3715180**



**BNG3715180**

## Flashlights: Rechargeable



**BNG3715005**

### Skyway USB Rechargeable Flashlight

- Uses a USB rechargeable 26650 Li-Ion battery and functions as a power bank to charge mobile phones or other electronics
- Modes: High/Medium/Low
- Waterproof with compact aluminum body construction

**BNG3715005**



**BNG3715035**

### Kingpin Rechargeable Flashlight

- 3,200 lumens
- High, medium and low white light output modes
- Includes AC wall charger and cable and DC car charger
- Dual Fuel design also allows use of (3) standard C-cell batteries (not included) as an alternate power source
- Lock-out tailcap switch with momentary and continuous modes
- All aluminum ribbed body construction with ultra-tough polycarbonate lens
- Submersible to three feet for 30 minutes

**BNG3715035**

### TRAK USB Rechargeable LED Flashlight

- 1/75" overall length
- Water- and impact-resistant
- Key chain and clip
- Max 121 lm
- 6-hour run time in low mode
- 65 m beam distance
- USB cord included
- Aluminum construction; black

**BNG3713085**



**BNG3713085**

## Lanterns



### Ruckus USB Rechargeable Lantern

- Rugged polymer design with rubberized coating and on/off switches
- Modes include full power white light, warm area light, stealth green and emergency strobe
- Recharges in just 4–5 hours from most AC power sources
- USB charging port with waterproof cover
- USB Power Bank design allows charging other USB devices like mobile phones
- Dual Fuel design allows use of (3) standard D-cell batteries (not included)
- Waterproof to 33'
- Floats
- Holds a battery charge for 1.5 years, ideal for long-term storage

**BNG3717220**



**BNG3717220**

## Headlamps



### Blackout 6 V Headlamp

- High output, multi-mode LED headlamp
- Silent tilt hinge
- Soft rubber head plate
- Waterproof anodized all-aluminum body
- Dual Fuel: 18650 USB rechargeable or CR123A batteries

**BNG3713340**



**BNG3713340**

## Rechargeable Batteries/ Chargers



**BNG3740110**

### Power Bank USB Charging System

- Low-output flashlight
- Two USB-out ports
- 4,400 max capacity
- Rechargeable Li-Ion battery
- Weight: 6 oz

**BNG3740110**

## Spotlight



**BNG3717760**

### High Noon 4C Spotlight

- 90–1,000 lm; effective distance 500–725 yards
- Powerful white LED
- Lightweight compact design
- Built-in adjustable stand for hands free use
- Fast strobe setting for signaling

**BNG3717760** Black

**BNG3717790** Hi-Viz



**BNG3717765**

### Rechargeable High Noon USB Spotlight

- 50–915 lm; Effective distance 125–550 yards
- Powerful white LED
- Lightweight compact design
- Rechargeable Li-Ion battery
- Fast strobe setting for signaling

**BNG3717765**



**BNG3717775**

### High Noon Pro Rechargeable

- Modes include full power white light, low power white and emergency strobe
- USB charging port allows the light to be used as a power source for charging other USB electronic devices
- Dual Fuel design also allows use of one standard CR123A battery (included) as a back up
- Submersible to 3' for 30 minutes
- Floats
- Rubberized soft touch finish

**BNG3717775**

## Flashlight Batteries



### Batteries

**RSND303357PK** 1.5 V DURACELL® Silver Oxide Battery

**RSND384392PK** 1.5 V Watch Battery, 1pk

**RSNDL123AB2P** 3.0 V DURACELL® Lithium Battery, 2 pk

**RSNDL2016BPK** 3.0 V DURACELL® Lithium Battery, 1 pk

**RSNDL2032B2P** 3.0 V DURACELL® Lithium Cell, 2 pk

**RSNDLCR2BPK** 3.0 V Lithium CR2 DURACELL®

**RSNMN9100B2P** N CELL DURACELL® Batteries, 2 pk

**RSNMX2500B2P** AAAA DURACELL® Batteries, 2 pk

**RSNPC1300PD** Size D DURACELL® Batteries, 12 pk

**RSNPC1400PD** Size C DURACELL® Batteries, 12 pk

**RSNPC1500PD** AA DURACELL® Batteries, 24 pk

**RSNPC1604PD** 9 V DURACELL® Batteries, 12 pk

**RSNPC2400PD** AAA DURACELL® Batteries, 24 pk

**RSNUL1220** Ultralast 3.0 V Lithium Battery

**RSNV13GAP** 1.5 V Watch Battery



**RSNDL123AB2P**



**RSNDL2016BPK**



**RSNDL2032B2P**



**RSNMN9100B2P**



**RSNMX2500B2P**



**RSNPC1300PD**



**RSNPC1500PD**



**RSNPC1604PD**

## Single Tube (Fluorescent)



**CNT12006**

### Bounce Lite®

- Bounces instead of breaking
- Patented bounce-bulb technology; survives dropping up to 15x more than other fluorescent bulbs
- 25' cord is oil- and water-resistant
- Lightweight and extremely durable

**CNT12006**



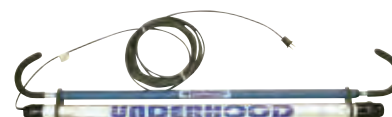
**CNT12010**

### Bounce Lite®

- Lamphead bounces instead of breaking
- Uses bounce-bulb technology to improve lamp durability
- Fully enclosed safety switch
- Heavy duty swivel hook
- Made in USA

**CNT12009** 25' Reel

**CNT12010** 40' Reel



**CNT13003**

### Underhood Light

- 25W fluorescent bulb provides maximum light
- Hanger expands to 6' + to fit almost any vehicle
- Unique design allows for use under and inside vehicle

**CNT13003**

# Lighting

## Batteries

**COAST™**



CCY20714

### Px1R Rechargeable Battery

- Lithium (Li-Ion)
- Battery voltage (V): 3.7
- Battery weight (g): 40

CCY20714

## Clip Lights

**COAST™**

### HX4

- Rotating head for aiming
- Magnetized clip for attaching to nearly any suitable surface
- Dual color (white, red)
- Light output: 80 lumens
- Beam distance: 42' / 13 m
- Runtime: 3h 45min
- Length 3.1"/79 cm; weight 1.83 oz/52 g
- Battery: (2) AAA

CCY21077 White/red beam



CCY21077

### HX3

- Rotating head for aiming
- Magnetized clip for attaching to nearly any suitable surface
- Dual color (white, UV)
- Light output: 80 lumens
- Beam distance: 42' / 13 m
- Runtime: 3h 45min
- Length 3.1"/79 cm; weight 1.83 oz/52 g
- Battery: (2) AAA

CCY21078 White/UV beam



CCY21078

## Flashlights: High Performance Tactical LED

**COAST™**

### TX14R Flashlight

- Lumens: 900
- 421 m beam distance
- Slide focus/long distance optic
- 2x re-chargeable batteries w/USB-out capabilities; 1 x AAA batteries
- Anti-roll bezel
- Front switch
- Beam lock
- IPX4 water resistance
- High/strobe /low modes
- Lifetime warranty

CCY21542



CCY21542

## Flashlights: Stainless Steel

**COAST™**

### A5 Flashlight

- Lumens: 12
- 20 m beam distance
- Inspection beam
- Stainless steel casing
- Pocket clip
- COAST® Red Ring of Quality™
- (1) AAA battery included

CCY19245



CCY19245

### A15 Flashlight

- Lumens: 330
- 131 m beam distance
- Max Beam™ optic system – Bulls-Eye spot beam
- Cree® XP LED
- Cyclone™ heat sink system
- Stainless steel casing
- COAST® Red Ring of Quality™
- (3) AAA batteries included

CCY19266



CCY19266

### Rechargeable Flashlight with Accessory

- Pure Beam® focusing optic system
- High and low output modes
- Stainless steel casing
- Uses rechargeable or (4) AAA alkaline batteries
- Includes AC, DC and USB charging capabilities

CCY19696



CCY19696

### A22R Rechargeable Flashlight

- CCY19703 A22R USE Battery Pack



CCY19703

## Headlamps

**COAST™**



CCY19273

### HL7 Headlamp

- Lumens: 285 of focusable light
- 119 m beam distance
- Pure Beam® focusing optic system
- VLT enables user to adjust to perfect amount of light for any use
- Z cord in headband
- Cyclone™ heat sink system
- Hard hat attachment clips included

CCY19273 Battery: (3) AAA

CCY19936 Replacement Charger



CCY19297

### Helmet/Hard Hat Clipset Headlamp

- Clip with 3M® adhesive designed to secure Coast® FL-Series headlamps to a hard hat
- Will fit any Coast® front-loading headlamp in the Snap-on® Coast® range
- Displayed in a hangable clap package

CCY19297

### HL8 LED Headlamp

- Lumens: 615
- 196 m beam distance
- Pure Beam® focusing optic system
- Hinged attachment to position beam
- Max, high and low output modes
- Rubber sealed battery pack for water-resistance
- Extension cord included for removable battery pack attachment

CCY19649



CCY19649



## Headlamps

**COAST™**

### HL27 LED Headlamp

- Lumens: 330
- 129 m beam distance
- Pure Beam® focusing optic system with easy-to-operate focus ring to adjust beam size
- Front dimming wheel
- Cyclone™ heat sink system
- Easy-to-operate front power switch
- Removable top strap



CCY19721

CCY19721

### FL85R Rechargeable Headlamp

- Pure Beam®; focusing optic with twist focus from a super wide flood beam to spot beam with transition halo
- Dual colour: white and red
- Output: high 700 lm; low 90 lm (rechargeable)
- Runtime: high 1.75 hours; low 4 hours (rechargeable)
- Beam distance 656' (200 m)
- 3 × AAA batteries included
- Hard hat compatible; reflective safety strap



CCY20755

CCY20755

### FL60R

- Wide angle flood beam, ideal for illuminating the broadest possible area in bright, even light
- Light output: (high) 450 lumens; (low) 55 lumens
- Beam distance: (high) 108 ft / 33 m; (low) 39 ft / 12 m
- Runtime (high): 2h 15min; (low) 10h
- Weight: 2.8 oz/79 g
- Battery: Li-Ion pack or (3) AAA



CCY20925

CCY20925 Red

### FL75 Headlamp

- Pure Beam® focusing optic with twist focus from an ultra-wide flood beam to a long-reaching spot beam with transition halo
- Dual color: white and red
- Lumens: 405 high; 53 low
- 17 Hour max run time
- Beam distance: 459' (140 m)
- (3) AAA batteries (included)



CCY21327

CCY21327 Black

### FL75R Rechargeable Headlamp

- Pure Beam® focusing optic with twist focus
- Flex charge dual power system
- Reflective safety strap
- 535 lumen light output
- 11 hour max run time



CCY21531

CCY21531 Black

CCY21532 Replacement Battery

### FL75 Rechargeable Headlamp

- Pure Beam® focusing optic with twist focus
- Flex charge dual power system
- Reflective safety strap
- 535 lumen light output
- 11 hour max run time



CCY20617

CCY20617 Blue

CCY20618 Red

CCY20619 Green

CCY20620 Orange

### FL60R Rechargeable Headlamp

- Wide angle flood beam is ideal for illuminating the broadest possible area in bright, even light
- Dual colour: white and red
- Output: high 450 lm; low 55 lm (rechargeable)
- Runtime: high 2.25 hours; low 4.25 hours (rechargeable)
- Beam distance 108' (33 m)
- 3 × AAA batteries included
- Hard hat compatible; reflective safety strap



CCY20756

CCY20756 Black/Red

CCY20927 Green/Gray

CCY20928 Orange/Gray

### FL60R

- Wide angle flood beam, ideal for illuminating the broadest possible area in bright, even light
- Light output: (high) 450 lumens; (low) 55 lumens
- Beam distance: (high) 108 ft / 33 m; (low) 39 ft / 12 m
- Runtime (high): 2h 15min; (low) 10h
- Weight: 2.8 oz/79 g
- Battery: Li-Ion pack or (3) AAA



CCY20926

CCY20926 Blue

### HL8R Rechargeable Headlamp

- Pure Beam® focusing optic with twist focus from an ultra-wide flood to a long-reaching spot with transition halo for wide viewing even in spot mode
- Rechargeable with a micro USB using AC, DC or USB port
- Light control dial for high, medium and low output
- Lumens: 800 high; 50 low
- Run time: 4-1/4 hours high; 62 hours low
- Beam distance: 702' (214 m) high; 180' (55 m) low



CCY21343

CCY21343

### HL77R Re-Chargeable Headlamp

- 500 Lumens
- 2 hour 45 minute run-time
- 150 m beam distance
- Twist focus/Pure Beam® focusing optic
- Flex charge/dual power
- Hinged beam
- Lifetime warranty



CCY30080

CCY30080

## Micro-Light/Penlights

**COAST™**

### HP4 Flashlight

- Lumens: 100
- Slim profile of a penlight with as much light as a full size flashlight
- 55 m beam distance
- Max Beam™ optic system
- Pocket clip
- COAST® Red Ring of Quality™
- (2) AAA batteries included



CCY19276

**CCY19276** Black

**CCY20634** HP4 Tailcap Red

**CCY20635** HP4 Tailcap Blue

**CCY20636** HP4 Tailcap Green

**CCY20637** HP4 Tailcap Orange

**CCY20682** HP4 Tailcap Black

### A9R Rechargeable Penlight

- Max Beam™ optic system
- Inspection beam
- Stainless steel casing
- Rubberized pocket clip
- Includes AC, DC and USB charging capabilities



CCY19648

**CCY19648**

**CCY19701** USB Charge Cord

### PX1R

- Flex charge, dual power rechargeable light
- Pure Beam®, focusing optic with twist focus from a super wide flood beam to spot beam with transition halo
- Output: high 460 lm; low 50 lm
- Runtime: high 3.5 hours; low 14 hours
- Length 5"

**CCY20628** Black

**CCY20757** Red

**CCY20758** Green

**CCY20759** Blue

**CCY20760** Orange



CCY20628

### HP3R Rechargeable Focusing Penlight

- Flex charge, dual power rechargeable penlight; lithium battery can be charged via AC, DC or USB

**Output Statistics:** High: 245 lumen light output, 1 hour 30 minute run time, 93 meter (305 ft) beam distance  
Low: 26 lumen light output, 6 hour run time, 31 meter (101 ft) beam distance Also runs on standard AAA batteries Length: 5-3/4"; weight: 1.8 oz

**CCY20818**

**CCY20838** HP3R Replacement Battery



CCY20818

### HP2 Penlight

- Max Beam™ optic system
- Pure Beam® focusing optic
- Twist focus
- Pocket clip
- Rear switch



CCY19533

**CCY19533**

### A8R Rechargeable LED Penlight

- Inspection beam projects perfect circle of light up to 19 m which is perfect for up close, technical work
- Pro-flex charging cap allows light to be charged via AC, DC or USB (all included) by simply placing cap over the end of the light
- Lithium polymer rechargeable battery will run for one hour per charge
- Pocket clip included
- Lightweight aluminum – weighs only .4 oz; 4" L



CCY20341

**CCY20341** Black

### A9R Rechargeable Inspection Penlight

- Inspection beam
- 65' beam
- Weather resistant
- AC, DC, and USB charging capabilities

**CCY20724** Blue

**CCY20725** Red

**CCY20726** Green

**CCY20727** Orange

**CCY20728** Black



CCY20724

## Tactical Flashlights/Dual Color UV

**COAST™**

### HP5R Rechargeable Focusing Flashlight

- +D2:H2 Long range focusing optic with slide focus; 183 m beam distance (high); 56 m distance (low)
- With high, strobe and low modes and the slide focus, flashlight is immediately adaptable to a variety of situations
- Uses either lithium or alkaline batteries and using a micro USB, batteries can be recharged either in or out of the light
- Lumens: 185 high; 19 low
- Run time: 4-1/2 hours high; 14 hours low
- Runs on (2) Li-Ion batteries (included); also runs on (1) AA alkaline battery (included)
- Flex charge dual power can charge using AC, DC or USB, all (included)



CCY19220

**CCY19220** Black

### HP5R Rechargeable Focusing Flashlight

- +D2:G2 Long range focusing optic with slide focus; 352 m beam distance (high); 111 m beam distance (low)
- With high, strobe and low modes and the slide focus, flashlight is immediately adaptable to a variety of situations
- Uses either lithium or alkaline batteries and using a micro USB, batteries can be recharged either in or out of the light
- Lumens: 300 high; 30 low
- Run time: 7 hours high; 33 hours low
- Runs on (2) lithium ion batteries (included); also runs on (4) AAA alkaline battery (included)
- Flex charge dual power can charge using AC, DC or USB, all (included)



CCY19221

**CCY19221** Black

**CCY20646** HP5R Tailcap Green

**CCY20644** HP5R Tailcap Red

**CCY20647** HP5R Tailcap Orange

**CCY20645** HP5R Tailcap Blue

**CCY20692** HP5R Tailcap Black

## Tactical Flashlights/Dual Color UV

**COAST™**



**CCY19265**

### PX45 Flashlight

- Lumens: 200
- 180 m beam distance
- Pure Beam® focusing optic system
- Twist focus finger grip
- Cyclone™ heat sink system
- Rubber rear switch
- COAST® Red Ring of Quality™
- (3) AAA batteries included

**CCY19265**



**CCY19270**

### PX25 Flashlight

- Lumens: 275
- Compact, tactical style with focused, spotlight style light
- 127 m beam distance
- Max Beam™ optic system, Bulls-Eye spot beam
- Rubber rear, tactical style switch
- Cyclone™ heat sink system
- (3) AAA batteries included

**CCY19270**



**CCY19279**

### HP7 Flashlight

- Lumens: 410
- Perfect combination of bright light, focusing technology and compact size
- 229 m beam distance
- Pure Beam® focusing optic system
- Fingertip Speed Focus Control™
- Cyclone™ heat sink system
- Anti-roll lanyard ring
- High/Low output settings
- COAST® Red Ring of Quality™
- (4) AAA batteries included

**CCY19279**



**CCY19304**

### G20 Inspection Flashlight

- Lumens: 36
- Slim shape of a penlight with COAST® exclusive lens technology
- 21 m beam distance
- Max Beam™ optic system, inspection beam
- Pocket clip
- Rubberized rear switch
- (2) AAA batteries included

**CCY19304 Black**



**CCY20518**

### PS600R Rechargeable Flashlight

- Pure Beam® focusing optic with twist focus
- Dual power allows for use of alkaline or custom rechargeable batteries
- Waterproof up to (3) m
- Drop proof up to (3) m
- Crush proof with durable fiberglass-reinforced polymer over a stainless steel core
- Lumens: 710
- 247 m beam distance
- 5-1/4 hour runtime on medium
- 40 hour runtime on low

**CCY20518 Black**

**CCY20519 Red**

**CCY20520 Green**

**CCY20525 Blue**

**CCY20526 Orange**



**CCY20768**

### Polysteel® 600 Flashlight

- Pure Beam® Optics System with twist focus; waterproof, drop proof and crush proof; light and ultra-durable
- 234 m beam distance on high
- Lumens: 620 high; 220 medium; 64 low
- Run time: 2 hours high; 4-1/2 hours medium; 34 hours low
- (4) AAA batteries (included)
- Stainless steel core and poly outer
- IPX8 waterproof rated to 3 m depth for (6) hours

**CCY20768**



**CCY20770**

### HX5 LED Flashlight

- With the Pure Beam® Focusing System with slide focus, light easily transitions from flood to spot modes with one hand
- Runs on (1) AA battery (included), as well as rechargeable NiMH (not included) or rechargeable lithium 14500 (not included)
- With the lithium 14,500 cells, the lumen output is nearly three times as bright as with the alkaline battery
- Includes two-way clip; easily attaches to belt/pocket or hat bill
- Lumens: 130 (alkaline); 125 (NiMH); 345 (Li-Ion)
- Beam distance: 79 m (alkaline); 77 m (NiMH); 130 m (Li-Ion)
- Run time: 3-3/4 hours (alkaline); 1-1/4 hours (NiMH); 3/4 hours (Li-Ion)

**CCY20770**



**CCY20923**

### HP10R Rechargeable LED Flashlight

- Pure Beam® focusing via Slide Focus
- Beam locking
- High/low settings
- 4 x AAA alkaline batteries included
- 2 Li-Ion batteries included
- PRO-TEK charging port to allow charging while battery is still inside the light
- Lumens: 1,000
- 300 m beam distance
- 8 hr 30 min runtime

**CCY20923**



**CCY21074**

### Pro-Mount Rechargeable Light CCY21074

## Tactical Flashlights/Dual Color UV



### Rechargeable Stretch Light

**CCY21075**



**CCY21075**

### HP4 Flashlight

- Lumens: 100
- Slim profile of a penlight with as much light as a full size flashlight
- 55 m beam distance
- Max Beam™ optic system
- Pocket clip
- COAST® Red Ring of Quality™
- (2) AAA batteries included

**CCY21509** Red

**CCY21510** Blue

**CCY21511** Green

**CCY21512** Orange



**CCY21509**

### HP3R Rechargeable Flashlight

- Universal focusing optic
- Twist focus
- Flex charge system allows for recharging the battery with a USB, AC, or DC adaptor
- Dual power allows for the light to be operated with standard alkaline or custom rechargeable battery
- Backed by Coast's lifetime warranty

**CCY21517** Red

**CCY21518** Blue

**CCY21519** Green

**CCY21521** Orange



**CCY21517**

### HP5R Rechargeable Flashlight

- +D2:H2 Long range focusing optic with slide focus; 183 m beam distance (high); 56 m distance (low)
- With high, strobe and low modes and the slide focus, flashlight is immediately adaptable to a variety of situations
- Uses either lithium or alkaline batteries and using a micro USB, batteries can be recharged either in or out of the light
- Lumens: 185 high; 19 low
- Run time: 4-1/2 hours high; 14 hours low
- Runs on (2) Li-Ion batteries (included); also runs on (1) AA alkaline battery (included)
- Flex charge dual power can charge using AC, DC or USB, all (included)

**CCY21522** Red

**CCY21523** Blue

**CCY21524** Green

**CCY21525** Orange



**CCY21522**

### G20 Inspection Flashlight

- Lumens: 36
- Slim shape of a penlight with COAST® exclusive lens technology
- 21 m beam distance
- Max Beam™ optic system, inspection beam
- Pocket clip
- Rubberized rear switch
- (2) AAA batteries included

**CCY21505** Red

**CCY21506** Blue

**CCY21507** Green

**CCY21508** Orange



**CCY21505**

### A8R Rechargeable Flashlight

- Inspection beam projects perfect circle of light up to 19 m which is perfect for up close, technical work
- Pro-flex charging cap allows light to be charged via AC, DC or USB (all included) by simply placing cap over the end of the light
- Lithium polymer rechargeable battery will run for one hour per charge
- Pocket clip included
- Lightweight aluminum – weighs only .4 oz; 4" L

**CCY21513** Red

**CCY21514** Blue

**CCY21515** Green

**CCY21516** Orange

**CCY20656** A8R Tailcap Red

**CCY20657** A8R Tailcap Blue

**CCY20658** A8R Tailcap Green

**CCY20659** A8R Tailcap Orange

**CCY20694** A8R Tailcap Black



**CCY21513**

### HP7R Rechargeable Flashlight

- +D2:G2 Long range focusing optic with slide focus; 352 m beam distance (high); 111 m beam distance (low)
- With high, strobe and low modes and the slide focus, flashlight is immediately adaptable to a variety of situations
- Uses either lithium or alkaline batteries and using a micro USB, batteries can be recharged either in or out of the light
- Lumens: 300 high; 30 low
- Run time: 7 hours high; 33 hours low
- Runs on (2) Li-Ion batteries (included); also runs on (4) AAA alkaline battery (included)
- Flex charge dual power can charge using AC, DC or USB, all (included)

**CCY21526** Red

**CCY21527** Blue

**CCY21528** Green

**CCY21529** Orange

**CCY20650** HP7R Tailcap Red

**CCY20651** HP7R Tailcap Blue

**CCY20652** HP7R Tailcap Green

**CCY20653** HP7R Tailcap Orange

**CCY20691** HP7R Tailcap Black



**CCY21526**



## Work Lights: Rechargeable



**EZRXLF1000**



**EZRXLF1000OR**



**EZRXLF1000GR**

### 10 Watt Rechargeable Work Light

- Focusing lens with stepless dimmer
- COB LED
- Lumens: 1,000 high; 500 low
- 4 hour run time on high, 8 hour run time on low
- Rechargeable with on-board USB charge cord
- Outbound USB charging for compatible devices
- Battery level indicator lights

- Rugged aluminum construction
- Protective corner bumpers offer drop protection
- Includes magnetic base
- Compact – easy to carry and store
- Rotating stand and handle

**EZRXLF1000** Red

**EZRXLF1000GR** Green

**EZRXLF1000OR** Orange



**EZRXL3300**



**EZRXL33000**

**EZRXL3300B**



**EZRXL3300G**

### Extreme Work Light

- 3W COB (Chip on Board) LED
- Lumens: 450 – high, 250 – low
- 4 hour run time on high; 7 hour run time on low
- USB charging port; overcharge protection
- Impact protection; ergonomic grip handle and bumper; easy operating soft touch switch
- 360° rotating hook for easy maneuverability
- 100% field repairable

**EZRXL3300** Red

**EZRXL3300-1** Replacement PCB Board

**EZRXL3300-2** Replacement Reflector

**EZRXL3300-3** Replacement COB and Heat Sink

**EZRXL3300-4** Replacement Lens

**EZRXL3300-5** Replacement Plastic Frame

**EZRXL3300-6** Replacement Battery Pack

**EZRXL3300-7** Replacement Housing and Screws – Red

**EZRXL3300-8** Replacement Hook and Base

**EZRXL3300-9** Replacement USB Cord

**EZRXL3300-10** Replacement Cover Kit

**EZRXL3300-11** Replacement Wall Charging Adaptor

**EZRXL3300-12** Replacement 12 V Mobile Charging Adaptor

**EZRXL3300B** Blue

**EZRXL3300B7** Replacement Housing and Screws – Blue

**EZRXL3300G** Green

**EZRXL3300G7** Replacement Housing and Screws – Green

**EZRXL3300O** Orange

**EZRXL3300OR7** Replacement Housing and Screws – Orange

### Logo Work Light with Magnetic Base

- Stepless dimming feature
- Logo COB LED
- Lumens: 500 high; 250 low
- Run time: 3 hours high; 6 hours low
- Rechargeable
- Battery level indicator lights
- Rugged construction
- Protective corner bumpers offer drop protection

**EZRXLM500-GR** Green

**EZRXLM500-OR** Orange

**EZRXLM500-RD** Red



**EZRXLM500-GR**

### Extreme Work Light Power Pack, 4 pk

- 3W COB (Chip on Board) LED
- Lumens: high 450; low 250
- Run time: 4 hours high; 7 hours low
- USB charging port; overcharge protection
- Impact protection; ergonomic grip handle and bumper
- Easy operating soft touch switch
- 360° rotating hook for easy maneuverability
- Includes (1) light in each color: red, orange, blue and green



**EZRXL334PK**

## LED Conversion Bulb



### 30 LED Replacement Bulb

- 30 LED bulbs rated at 100,000 hours of continuous illumination
- Direct replacement for any work light using 13W bi-pin
- PR mount bulb
- Reflector cavities intensify the light output
- Convert old fluorescent work lights into LED lights without paying the new LED light cost
- AC only

**JSP98252** (AC Only)



**JSP98252**

## Flashlight Accessories



### Light Grip

- Unlimited flexibility
- Quality anodized aluminum construction
- Powerful magnetic base for maximum hold
- Fits up to 1-1/4" flashlight (C batteries)
- Available in black, red and blue anodized colors

**KTOART65BK** Black Anodized Aluminum

**KTOART65BL** Blue Anodized Aluminum

**KTOART65R** Red Anodized Aluminum



**KTOART65BK**



**KTOART65BL**



**KTOART65R**

## 6-Cell MAGLITE®



### D-Cell Flashlights

**MAGS6D016** Black

**MAGS6D036** Red

**MAGLMXA601**

6-Cell C and D Xenon  
Replacement Lamp



**MAGS6D016**



**MAGS6D036**

### ML50L™ LED 2-Cell C Flashlight

- Multi-mode electronic switch
- Advanced focus system; adjusts from spot to flood with less than 1/4 turn of the head
- Up to 490 lumens; up to 112 hours run time in eco mode
- (4) activity-based function sets from which to choose
- Modes: momentary, full power (maximum lumens), low power, eco mode (super power saving mode which yields up to 58 lumens with greatly extended run time) and strobe
- 299 m beam distance
- Water-resistant
- Color: black; 8" L; 12.72 oz; (2) C batteries (not included)



**MAGML50LS**

### MAGML50LS

### Mini Maglite Pro® LED 2-Cell AA Flashlight

- Twist the head to turn on, turn off and focus
- State of the art LED light engine
- 4,880 candela (peak beam intensity)
- 226 lumens
- 2.5 hours run time
- 140 m beam distance
- Water-resistant
- 6-1/2" L; 4.15 oz; (2) AA batteries (included)



**MAGSP2PMR7**

### MAGSP2PMR7

### XL200® 3-Cell AAA 5-Mode Flashlight

- Offers (5) basic, easy-to-use functions
- Motion controlled variable power level and strobe rate
- 4,737 candela (peak beam intensity); up to 172 lumens
- Run time: 2.5 hours; 218 hours low
- 138 m beam distance
- Water-resistant
- Color: black; 4-3/4" L; 3.68 oz; (3) AAA batteries (included)



**MAGXL200S7**

### MAGXL200S7

## Flashlights



### Solitaire® LED 1-Cell AAA Key Chain Flashlight

- Key chain size LED flashlight with big light power
- Twist the head to turn on, turn off and focus spot to flood
- 937 candela (peak beam intensity); 37 lumens
- 61 m beam distance
- Water-resistant
- Run time: 1.5 hours
- Color: black; 3-3/16" L; 0.8 oz; (1) AAA battery (included)



**MAGJ3A012**

### MAGJ3A012

### Mini Maglite® LED 2-Cell AAA Mini Pen Light

- Small, simple and bright
- Twist the head to turn on, turn off and focus spot to flood
- 3,387 candela (peak beam intensity); 87 lumens
- 116 m beam distance
- Water-resistant
- 5 hours run time
- Color: black; 5" L; 1.73 oz; (2) AAA batteries (included)



**MAGP32012**

### MAGP32012

### ML50L™ LED 3-Cell C Flashlight

- Multi-mode electronic switch
- Advanced focus system; adjusts from spot to flood with less than 1/4 turn of the head
- Up to 611 lumens; up to 153 hours run time in eco mode
- (4) activity based function sets from which to choose
- Modes: momentary, full power (maximum lumens), low power, eco mode (super power saving mode which yields up to 20 lumens with greatly extended run time) and strobe
- Color: black; 10" L; requires (3) C batteries (not included)



**MAGS3015**

### MAGS3015

### XL50® LED 3-Cell AAA Flashlight

- Easy to use with a powerful projecting LED beam
- Three modes: high power, energy saving 25% power and emergency safety strobe
- Push button tail cap switch
- Compact, pocket-size design
- 12,533 candela (peak beam intensity); up to 200 lumens
- Run time: 6.75 hours high; 25 hours low
- 224 m beam distance
- Water-resistant
- Color: black; 4-3/4" L; 3.68 oz; (3) AAA batteries (included)



**MAGXL50S3017**

### MAGXL50S3017

## Flashlights



### ML300L™ LED 3-Cell D Flashlight

- Multi-mode electronic switch
- Advanced focus system; adjusts from spot to flood with less than 1/4 turn of the head
- Up to 625 lumens; up to 117 hours run time in eco mode
- Four activity-based function sets from which to choose
- Modes: momentary, full power (maximum lumens), low power, eco mode (super power saving mode which yields up to 58 lumens with greatly extended run time) and strobe
- 11-3/4" L; (3) D batteries (not included)

### MAG3035

### MAGML300LS3 Camo



MAG3035



MAGML300LS3

## Flashlights: Rechargeable (MAG Charger®)



MAGRL1019



### MAG Charger® Rechargeable Flashlight System

- High-intensity halogen lamp
- ANSI® 221 lumens
- Spot-to-flood focusing beam
- Solid-state electronics
- Up to 1,000 hours of battery life
- Self-cleaning rotary switch
- High-strength aluminum alloy
- Durable hard anodized finish
- O-ring seals throughout
- Individually serial numbered
- Detachable mounting brackets
- Mounts securely in any position
- Design balanced optics and power for improved performance

### MAGRL1019

### MAG108000020 Lens Assembly (Cap, Lens and Seal)

### MAG108000060 Lens (Soda Lime)

### MAG108000104 Reflector/Housing Assembly

### MAG201000191 Tail Cap, Black

### MAG405000051 Lens Seal

### MAGARXX088 Mounting Brackets

### MAGARXX185 110 V Charging Unit

### MAGARXX195 120 V Converter

### MAGARXX205 12 V DC Cord with Cigarette Lighter Adaptor

### MAGARXX228 Adaptor Cables (Male/Female)

### MAGARXX235 Battery Pack 6 V NiCad

### MAGLR00001 Replacement Bulb, 1pk

## Flashlights: Rechargeable (MAG Charger®)



### MAG-TAC® LED Lithium Tactical Rechargeable Plain-Bezel System

- MAG-TAC® LED technology
- Four function sets
- Three brightness levels
- Attachable steel clip
- Tail cap "quick click" switch

- Anodized aluminum
- Aggressive knurled design
- Lithium rechargeable (lifep04) battery
- Charger included
- NTOA tested
- Length: 5-3/4"

### MAGTRM1RE4



MAGTRM1RE4

## MAGLITE® 2-Cell



## MAGLITE® 3-Cell



MAGSP-P01H



MAGST2D016

### Mini MAGLITE® LED PRO + 2-Cell AA Flashlight

- MAG-LED® technology
- Twist for on/off
- Two power levels high and low
- Adjustable beam; spot to flood
- (2) AA alkaline Duracell® batteries included
- Belt holster included
- Anodized aluminum
- Diamond knurled design
- Intelligent energy source management
- Length: 6-1/2"

### MAGSP-P01H

### 2D Cell LED Flashlight

- Interchangeable light source, use either installed LED module or the Krypton lamp stored in the tail cap
- Built tough enough to last a lifetime
- Projecting beam that focuses simply by rotating the head
- Balanced Optics™, combining a highly refined reflector with a quality LED for a brilliant adjustable beam

### MAGST2D016

### MAGLIXA201 2-Cell C and D Xenon Replacement Lamp



MAGLIXA301

### D-Cell Flashlights

### MAGLIXA301 3-Cell C and D Xenon Replacement Lamp

# Lighting

## MAGLITE® 4-Cell \_\_\_\_\_ MAGLITE®

### D-Cell Flashlights

**MAGS4D016** Black

**MAGLMXA401** 4-Cell C and D Xenon Replacement Lamp



**MAGS4D016**

## MAGLITE® SOLITAIRE® AAA: Accessories and Parts \_\_\_\_\_ MAGLITE®



**MAGLK3A001**

### SOLITAIRE® Accessories

**MAGLK3A001** Replacement Solitaire® Bulb

## Mini MAGLITE® AAA \_\_\_\_\_ MAGLITE®



**MAG200-S301C**

### MAGLITE® XL200® LED® Tactical 3-Cell AAA KIT

- Five (5) selectable modes with motion control
- 1 Click – on/off or hold button and turn to adjust power from 100% to 8%
- 2 Clicks – adjustable emergency strobe...hold button and turn light to reduce strobe rate
- 3 Clicks – Nite Lite™
- 4 Clicks – manual signal (motion control)
- 5 Clicks – SOS (motion adjustable brightness)
- “Lock Out” feature to avoid accidental activation
- (3) AAA Duracell® alkaline batteries (included)
- NTOA tested

**MAG200-S301C**

## MAGLITE® 5-Cell \_\_\_\_\_ MAGLITE®

### D-Cell Flashlights

**MAGS5D016** Black

**MAGS5D036** Red

**MAGLMXA501** 5-Cell C and D Xenon Replacement Lamp



**MAGS5D016**



**MAGS5D036**

## Mini MAGLITE® AA: Accessories and Parts \_\_\_\_\_ MAGLITE®



**MAGAM2A056**



**MAGAM2A026**

### AA Accessories

**MAG108000046** Clear Lens

**MAG108000211** Switch

**MAG108000217** AA Tail Cap Assembly, Red

**MAGAM2A026** Black Leather Holster

**MAGAM2A056** Black Nylon Holster

**MAGLM2A001** Krypton Bulb 2 pk

## Mini MAGLITE® AAA: Accessories and Parts \_\_\_\_\_ MAGLITE®



**MAG108000063**

### Mini MAGLITE® Accessories

**MAG108000063** AAA Clear Lens

**MAG108000071** AAA Switch

**MAG108000197** AAA Tail Cap Assembly

**MAG108000200** AAA Silver Tail Cap (for MAGM3A106)



## Flashlights Accessories



**MAKML903**

### Flashlights, Bulbs and Flashlight Accessories

**MAKML903** 9.6 V Flashlight

**MAK1922405** 7.2 V Bulbs (2 pk)

**MAK1925461** Bulbs

**MAK4106183** Flashlight Reflector Retainer

**MAK4158075** Reflector Retainer (ML702/902/903)

**MAK415866-9** Lens (ML702/902/903)

**MAKA90233** 12 V and 14.4 V Bulbs (for ML120) (2 pk)

**MAKA90261** 18 V Bulbs (2 pk)

**MAKA90978** Replacement Bulb for ML143 and ML123

**MAKGM0000010** Retainer Ring (ML120)

**MAKGM0000070** Lens (ML120)

**MAKGM0000130** Reflector (ML120)

**MAKSM316** Screw Ring for MAKML143, Keeps C-ring in Place on Handle

## Flashlight Accessories



**NIFLRB207PR**

### LED Upgrade Kit

- Fits most 2-6 cell C and D cell flashlights – PR flange style
- Simple to install; as simple as replacing the original bulb
- Environmentally friendly – minimizes battery waste and bulb replacement waste

**NIFLRB207PR**

## Holsters



### Holster

- Rugged for AAA, AA, L123, C and D cell flashlights; fits 5/8-1-1/2" diameter barrels
- Durable rotating clip fits belts up to 2-3/8" W
- External case dimensions: 5-3/4 x 2 x 1-1/2"
- Great option for Stinger®

**NIFLHS03**



**NIFLHS03**

## Rechargeable Batteries/Chargers



### Rechargeable INOVA® Lithium Ion Battery

- INOVA® T4R's high-energy capacity comes from a single, highly efficient rechargeable Li-Ion battery
- Battery is not compatible with the A series T4. Please contact customer service for more information – info@niteize.com

**INNTRUBBO**



**INNTRUBBO**

## Accessories and Parts



**STL22911**



**STL51201**



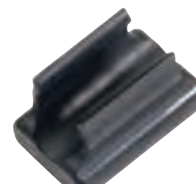
**STL68905**



**STL75910**



**STL76090**



**STL71510**

### Accessories and Parts

**STL22911** Ring Holder SL® Series

**STL51201** Nylon Holster Black (TT-3C, TT-3C UV)

**STL610002** Battery Cap for Trident®

**STL610003** Face Cap for Trident®

**STL61003** Rubber Hard Hat Strap

**STL68905** Holster/68302

**STL74051** Strion® Switch Kit

**STL75910** Nylon Holster Stinger HP®

**STL75927** Holster Stinger® LED

**STL75928** Nylon Holster Stinger® LED

**STL76090** Holster All Stinger® Lights

**STL85909** Nylon Holster Scorpion®

### Jr. Luxeon® Magnetic Clip

- Snap your Streamlight Jr.® LED or Streamlight Jr.® Reach® LED into the magnetic clip accessory for hands-free lighting
- Mounts in any position
- Fits Streamlight Jr.® series

**STL71510**

## Batteries



**STL77375**

### Batteries

**STL20170** SL-20X®

**STL25170** Replacement Battery (SL-20XP®)

**STL35170** SL-35X®

**STL45937** Litebox®

**STL61001** Battery Cartridge (holds (3) AAA Batteries)

**STL65030** Stylus® AAAA (6 pk)

**STL72030** Keymate® (4 pk)

**STL74175** Replacement Battery (STL74002)

**STL77375** SuperStinger®, UltraStinger®

**STL85175** Lithium Batteries (2)

**STL85177** 3 V Lithium Battery (CR123) (12 pk)

**STL90338** Survivor®

### 18650 USB Battery – 2 pk

- (2) USB rechargeable Li-Ion batteries
- USB rechargeable
- Charges in 5 hours
- Micro-USB input
- Integrated safety circuit protects battery from overcharge/overdischarge
- Use the 18650 USB battery to power the PolyTac® X, ProTac® 2L-X, ProTac® HL-X and ProTac® HL5-X and transform these multi-fuel lighting tools into rechargeable systems

**STL22102**



**STL22102**

# Lighting

## Batteries



**STL75176**

**Stinger® Battery**  
**STL75176**

### Battery Stick – NIMH

- Provides the right balance of run time while maintaining charge
- Deliver the same performance characteristics as NiCd batteries
- Manufactured using Low Self-Discharge (LSD) technology, which reduces the self-discharge rate
- More environmentally friendly than NiCd batteries

**STL75375**



**STL75375**

## Bulbs



### Bulbs

**STL13048** Syclone®  
**STL20110** Lamp Module 20X  
**STL24003** Lamp Module SL-20XP®  
**STL33004** 3C Xenon Lamp Assembly  
**STL35110** Lamp Module 35X  
**STL45901** Vulcan®/Litebox® 8W Bi-pin (100HR)  
**STL68007** Lamp Assembly 4AA  
**STL70400** Streamlight Jr®  
**STL74914** Strion® Replacement Lamp

**STL75914** Stinger®, Stinger® XP, PolyStinger®  
**STL77914** SuperStinger® Bulb  
**STL78914** UltraStinger®  
**STL78915** Stinger HP®, Stinger® XP HP  
**STL85914** Scorpion® Bulb  
**STL88914** TL-3® Xenon Replacement Bulb  
**STL90030** Lamp Module (Old Style Survivor®)  
**STL90314** Survivor®  
**STL90320** Bulb for STL91201

## Charger Cords



### Charger Cords

**DC Cord 12 V**  
**STL22050** DC Cord 12 V  
**STL22051** DC Charge Cord All Rechargeables

## Chargers



**STL22010**

### 18650 Charger Kit

- USB (includes charge cradle, 2 batteries and USB cord)

**STL22010**



**STL74115**

### Strion® Series USB PiggyBack® Charger Holder

- Spare battery and cords sold separately

**STL74115** Strion® Series USB PiggyBack® Charger Holder



**STL74400**

**Strion® 6-unit Bank Charger 120 V AC**  
**STL74400**



**STL75400**

**Stinger® 5-unit Bank Charger, 120 V**  
**STL75400**

## Chargers (Cord Sold Separately)



### Chargers (Cord Sold Separately)

**STL74102** Strion® Charger/Holder  
**STL90011** AC Fast Charger/Survivor®



**STL74102**

## ClipMate® Lights



**STL61100**

### ClipMate®

- Small but durable clip-on flashlight that provides the power of three super bright, 100,000 hour LEDs
- Visible for more than a mile away
- Includes a fully adjustable head strap and a convenient lanyard
- Run time of up to 40 hours
- 360° rotating clip attachment
- Water-resistant
- Dimensions: 1" D x 1-1/2" H x 3-1/2" L

**STL61100**

### ClipMate® USB with 120 V AC

- Multi-function, USB rechargeable clip-on light that clips onto pockets or hats for hands-free use
- Flexible extension cable allows the light to be aimed where needed
- High-impact, engineered polymer construction; gasket sealed polycarbonate lens
- Features dual LEDs with multiple modes: white C4® LED and red LED to preserve night vision
- Li-Ion battery fully recharges in 4 hours; rechargeable up to 300 times
- Remove the tethered USB cover to expose the built-in charge tab for charging via USB source or AC wall adaptor
- IPX4 water-resistant; 1 meter impact resistance tested
- 3-1/4" L, 1-3/8" W, 5/8" D; 1.9 oz

**STL61126**



**STL61126**

## Flashlight Accessories



### C4 LED® Upgrade Kit

- C4 LED® Switch/LED Upgrade Kit (requires tool)
- Upgrades the original Stinger® LED/DS to C4 LED® (does not upgrade Xenon Stinger® to LED)

**STL75765**

## Flashlight: LED (Battery-Powered)



### ProPolymer® 4AA Luxeon® Flashlight

- C4 LED® produces 100 lumens; runs 6 hours
- Unbreakable polycarbonate lens
- (4) AA batteries included
- Virtually indestructible, non-conductive polymer casing

**STL68244** 4AA Luxeon® Flashlight, Yellow



**STL68244**

### Multi Ops®

- Features C4 LED®, (5) 390 N-m UV LEDs and a pre-focused red laser
- C4 LED®: 2,500 candelas peak beam intensity; 50 lumens; runs 4.75 hours
- UV LEDs: 40 N-m measured system output
- Laser: 650 N-m wavelength, Class IIIa (3R)
- Push-button tail switch and rotary mode selector switch
- Includes (3) AAA alkaline batteries and nylon holder

**STL51072**



**STL51072**

### Streamlight Jr.® Luxeon® Flashlight

- Cutting-edge Luxeon® technology and internal reflection optics make this ultra-compact, light, super-bright and ultra-convenient.
- Powered by (2) AA alkaline batteries
- 1 W super-high flux LED
- Over 4 hours run time at high intensity; 2 additional hours of declining usable light
- Shock-resistant/water-resistant
- Push button tail cap; steady on and momentary on/off operation
- Includes black nylon flapless holster
- Dimensions: 6-1/2" L, weighs 3.8 oz

**STL71500**

**STL715012** Jr. LED Tail Cap Switch



**STL71500**

### Scorpion® LED Flashlight

- Brightest, lightest, smallest personal light ever made
- C4 LED provides up to 160 lumens
- (2) 3 V lithium batteries (included) provide a 10 year shelf life
- Rubber-armored sleeve over machined-aluminum body guarantees a sure grip and rugged durability
- Anti-roll head
- Dimensions: 5-18/25" L, weighs 5.3 oz

**STL85010** Scorpion® LED

**STL85175** Lithium Batteries (2)



**STL85010**

## Flashlights: ProPolymer®



### 3AA ProPolymer® Dualie® Laser with 3 “AA” Alkaline Batteries

- Three lighting modes: Spot, laser, both spot and laser simultaneously – Spot: 150 lumens; 175m beam; runs 17 hours – 640 nm - 650 nm Laser:
- Simultaneous spot beam and laser pointer allow you to illuminate your work area and pinpoint out-of-reach objects
- Dual head switches for accessibility of each of three functions; easy, one-handed operation
- Uses (3) AA alkaline batteries; also accepts AA lithium batteries
- Durable, non-conductive, corrosion-proof polymer resin; rocky

- stipple texture for a sure grip
- Unbreakable polycarbonate lens with scratch resistant coating
- IPX7; waterproof to 1 m for 30 minutes; 2 m impact resistance tested
- Rugged, integrated, snag-free clip conforms to body of light; grabs onto shirts, pockets and gear for hands-free use

**STL68760** Yellow  
**STL68762** Black



## Flashlights: Rechargeable



**STL68793**

### Dualie® Rechargeable

- Multi-function, intrinsically safe, rechargeable flashlight with optional magnetic clip
- 275 lumens (spot/flood combo)
- Division 1, intrinsically safe
- Three output modes: spot, flood, spot/flood combo
- IP67 – dust tight; waterproof to 1 m for 30 minutes; 2 m impact resistance tested

**STL68793** Yellow  
**STL68794** Black



**STL74501**

### Strion® HPL™ Rechargeable Flashlight

- Compact, high lumen, long range rechargeable flashlight that produces a wide, 615 lumen beam pattern with brighter peripheral illumination and superior down range performance
- Machined aircraft aluminum with anodized finish
- Three light modes: High: 615 lumens, 40,000 candela, 400 m beam, runs 1 hour; Medium: 320 lumens, 20,000 candela, 283 m beam, runs 2 hours; Low: 160 lumens, 10,000 candela, 200 m beam, runs 3.75 hours; strobe for disorienting or signaling, runs 2-1/2 hours
- C4 LED® technology for extreme brightness, impervious to shock with a 50,000 hour lifetime

- Deep dish parabolic reflector provides a long range targeting beam with optimum peripheral illumination
- Unbreakable polycarbonate lens with scratch resistant coating; O-ring sealed
- Multi-function, push button tactical tail switch; one-handed operation of momentary, variable intensity or strobe mode
- Li-Ion battery is rechargeable up to 1,000 times
- Clamp style charge holder with digital control circuit that prevents over charge; fully rechargeable battery in three hours; LED indicates charge status

**STL74501** Strion® HPL™ with 120 V AC/12 V DC, One Holder, Black

### Strion LED HL® Rechargeable Flashlight with 120 V AC/12 V DC PiggyBack® Charger

- Compact, high lumen, long range rechargeable flashlight that produces a wide, 615 lumen beam pattern with brighter peripheral illumination and superior down range performance
- Machined aircraft aluminum with anodized finish
- Three light modes: High: 615 lumens, 40,000 candela, 400 m beam, runs 1 hour; Medium: 320 lumens, 20,000 candela, 283 m beam, runs 2 hours; Low: 160 lumens, 10,000 candela, 200 m beam, runs 3-3/4 hours; strobe for disorienting or signaling, runs 2-1/2 hours
- C4 LED® technology for extreme brightness, impervious to shock with a 50,000 hour lifetime
- Deep dish parabolic reflector provides a long range targeting beam with optimum peripheral illumination
- Unbreakable polycarbonate lens with scratch resistant coating; O-ring sealed
- Multi-function, push button tactical tail switch; one-handed operation of momentary, variable intensity or strobe mode
- Li-Ion battery is rechargeable up to 1,000 times
- Clamp style charge holder with digital control circuit that prevents over charge; fully rechargeable battery in three hours; LED indicates charge status
- Integrated micro-USB interface specifically designed to guide the plug into place for a secure connection
- PiggyBack® charger features a dual power input – USB port or “traditional” AC/DC charging
- USB port provides a convenient charging option using modern devices (power input only; does not charge USB devices)
- PiggyBack® charger doubles your run time by charging a spare battery so you can keep on working; reduces down time

**STL74536**

**STL74778** Black  
**STL74782** Blue  
**STL74783** Chrome  
**STL74784** Lime Green  
**STL74785** Orange  
**STL74786** Purple  
**STL74787** Red  
**STL74391** Gray



**STL74536**





## Flashlights: Rechargeable LED



**STL66601**

### Microstream® USB

- USB rechargeable, bright mini LED flashlight
- 250 lumens (high)
- Runs 3.5 hours (low)
- USB rechargeable; includes USB cord and lanyard
- Everyday carry fits in the palm of your hand or comfortably fits in your pocket

**STL66601** Black/White

**STL66602** Red/White

**STL66603** Blue/White

**STL66608** Coy/White

### Strion® LED Rechargeable Flashlight

- Machined aircraft aluminum with anodized finish
- Borofloat® high temperature glass lens
- C4 LED® technology, impervious to shock with a 50,000-hour lifetime
- Three light outputs: High: 10,000 candela peak beam intensity, 260 lumens; Medium: 5,000 candela peak beam intensity, 130 lumens; Low: 2,500 candela peak beam intensity, 65 lumens
- Multi-function, push button tactical tail switch
- One-handed operation of momentary, variable intensity or strobe mode; tail cap rotates for "safe" position
- Run time: High: 2 hours; Medium: 4 hours; Low: 7.5 hours; Strobe: 5.5 hours
- Li-Ion battery with on-board safety control circuit, 3.75 V, 2000 mAh min, rechargeable up to 500x
- Fits existing Strion® chargers

**STL74300** Strion® LED Flashlight Only, Black

**STL74301** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Black

**STL74340** Strion® LED Flashlight Only, Red

**STL74341** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Red

**STL74343** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Blue

### Strion® LED HL® Rechargeable Flashlight

- Ultra-compact, rechargeable flashlight
- Machined aircraft aluminum with anodized finish
- C4 LED® technology for extreme brightness, impervious to shock with a 50,000 hour lifetime
- Multi-function, push button tactical tail switch; one handed operation of momentary, variable intensity or strobe mode
- Three light modes: High: 500 lumens, 10,000 candela, 200 m beam, runs 1 hour; Medium: 250 lumens, 5,000 candela, 141 m beam, runs 2 hours; Low: 125 lumens, 2,500 candela, 100m beam, runs 3.5 hours; strobe for disorienting or signaling, runs 2-1/2 hours
- Borofloat® high temperature glass lens
- Li-Ion battery is rechargeable up to 1,000 times



**STL74750**

- Clamp style charge holder with digital control circuit that prevents over charge; fully rechargeable battery in 3 hours; LED indicates charge status; fits existing Strion® chargers

**STL74750** Strion LED HL® Flashlight Only, Black

**STL74751** Strion® LED HL® with 120 V AC/12 V DC, One Holder, Black

**STL74767** Blue Strion® LED HL® with 120 V

**STL74769** Lime Strion LED HL® with 120 V

**STL74771** Strion LED HL® with 120 V AC/12 V DC, One Holder, Orange

**STL74773** Strion® LED HL® with 120 V AC/12 V DC, One Holder, Purple

**STL74775** Red Strion LED HL® with 120 V



**STL74300**



**STL74340**

**STL74345** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Lime

**STL74347** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Orange

**STL74349** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Purple

**STL74350** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Pink

**STL74352** Strion® LED Flashlight with 120 V AC/12 V DC, One Holder, Chrome

**STL74365** Strion® LED with 100 V/12 0V AC/DC PiggyBack® – Gray

**STL747013** Click Switch Assembly for Strion® LED, Strion LED HL®, Strion® HPL™

**STL747015** Strion® LED Face Cap Assembly

## Flashlights: Tactical (NightFighter®)



### NightFighter® Series Tactical Flashlights

- The premier tactical light, of the type used by Special Forces/Operators. Durable machined aluminum flashlight. Polymer grip ring is adjustable for maximum comfort. Small size and lightweight – easy to maneuver, carry and store.
- Length 4-3/4", diameter .875"

- 78 lumens; 7,900 candela peak beam intensity
- Up to 1 hour of continuous use
- Xenon bi-pin bulb with adjustable focus beam (spare bulb included)

**STL88002** NightFighter®, Black



**STL88002**

## Headlamps



### Septor® Headlamp

- Septor® is in a class by itself with its piercing light that comes from seven super bright white LEDs each with a life of 100,000 hours so you'll never replace a bulb again

**STL61052**



**STL61052**

### Trident® Headlamp

- Multi-purpose headlamp; versatile long-range beam with a wide flood pattern
- 90° tilting head with a durable ratcheting system
- C4 LED® technology, impervious to shock with a 50,000 hour lifetime
- Three lighting modes: High: 80 lumens; runs 5 hours, Medium: 35 lumens; runs 10 hours, Low: 11 lumens; runs 53 hours
- On/Off push button sequence through modes; easy to use with gloves
- Rubber hard hat strap and elastic strap
- (3) AAA batteries (included)

**STL61050**



**STL61050**

### Haz-Lo® Headlamp

- (1) 1W super high flux LED delivers up to 34 lumens
- Runs up to 11 hours; declining output to 25% intensity
- Safe for use in atmospheres containing hazardous gases, vapors and liquids
- Push button switch provides easy operation when wearing heavy gloves
- Impact resistant housing, drop test verified from 30'
- Unbreakable polycarbonate lens, O-ring sealed, water-resistant
- Includes both elastic head strap and rubber hard hat strap
- (3) AA alkaline batteries included
- UL classified – class 1, division 1
- Weight: 7.1 oz

**STL61200**



**STL61200**

### Argo HP® High Performance Headlamp

- Offers two digitally controlled brightness levels with run times of:
  - Up to 6.5 hours run time on high
  - Up to 30 hours run time on low
- Solid state power regulator provides maximum light output throughout battery life
- Uses (2) 3 V 123A lithium batteries
- Battery power indicator

**STL61302** Argo HP® Headlamp



**STL61302**

### Camo Enduro® LED Headlamp

- Powered by (2) AAA batteries (included)
- C4 LED® with high and low modes: High: 50 lumens; runs 5.5 hours, Low: 10 lumens; runs 25 hours
- Impact-resistant, drop-tested housing

**STL61405**



**STL61405**

### Twin Task® USB Headlamp

- Compact, USB rechargeable spot and flood headlamp
- 375 lumens
- Two modes: spot for distance, flood for area illumination
- IPX4 water-resistant; 2 m impact resistance tested
- USB rechargeable

**STL51063** Black/Red



**STL51063**

### Buckmasters® Camo Trident® Headlamp

- REALTREE Hardwoods® green high definition (HD) camouflage pattern
- One white C4 LED® delivers up to 80 lumens
- 3 night vision, safety-green LEDs provide 24 lumens
- 3-position lighting
- Water-resistant lightweight thermoplastic construction
- (3) AAA alkaline batteries included

**STL61070**



**STL61070**

### Argo® Ultra-Bright Headlamp

- Offers three digitally controlled brightness levels with run times of:
  - 3 hour (high; 150 lumens)
  - 4.5 hours (medium; 100 lumens)
  - 30 hours (low; 45 lumens)
- Uses (3) AAA alkaline batteries included
- Battery power indicator

**STL61301**

**STL613013** Battery Cartridge



**STL61301**

### Protac HL® USB Headlamp

- Dual fuel – includes Li-Ion battery; also accepts a Streamlight® rechargeable 18650 battery
- Three lighting modes:
  - High: 1,000 lm; runs 1.5 hours
  - Medium: 400 lm; runs 2.75 hours
  - Low: 65 lm; runs 20 hours
- Features tethered diffuser cap for flood beam
- Durable, anodized aluminum construction; IPX4 water-resistant

**STL61305**



**STL61305**

### Protac HL® USB Headlamp

- Dual fuel – includes Li-Ion battery; also accepts a Streamlight® rechargeable 18650 battery
- Three lighting modes:
  - High: 1,000 lm; runs 1.5 hours
  - Medium: 400 lm; runs 2.75 hours
  - Low: 65 lm; runs 20 hours
- Features tethered diffuser cap for flood beam
- Durable, anodized aluminum construction; IPX4 water-resistant

**STL61306**



**STL61306**

## Headlamps



**STL61420**

### Enduro® Pro Headlamp

- Sleek, multi-function led headlamp
- 200 lumens
- Three modes: spot for distance, flood for area illumination, red light for night vision preservation
- IPX4 water-resistant
- Multi-function switch with mode memory

**STL61420** Yellow/Red

**STL61704** Blue/White

**STL61705** Red/White

**STL61706** Coy/Red



**STL61430**

### QB™ Compact Long-Range Rechargeable Headlamp

- 200 lumens and 85 meter beam distance
- Lightweight, compact and comfortable
- USB rechargeable with charging indicator
- Rugged, impact-resistant polycarbonate construction
- High/Low/Emergency Flash modes
- Use with a hard hat attach to a ball cap
- Battery charges in about 3.5 hrs
- Includes rechargeable battery, Elastic strap, Hat clip, USB cord

**STL61430** Yellow



**STL61603**

### Double Clutch® USB Headlamp

- Dual-power, dual-function, dual-output headlamp provides the flexibility of shifting between beams and modes to suit the task
- Shifts easily between spot beam for distance lighting and flood beam for working at arm's length; both with high and low mode
- Face cap twists for easy functionality, even with gloves
- Lightweight and long-running with a 60° tilting head and an unbreakable lens
- Powered by USB rechargeable lithium polymer battery or (3) AAA batteries
- IPX4 water-resistant; two meter impact resistance tested
- Includes USB cord, AC wall adaptor and adjustable elastic and hard hat straps

**STL61603** Black

**STL61602** Yellow

### Bandit®

- Three output modes: High, low and emergency flash
- High: 180 lm; runs 2 hours
- Low: 35 lm; runs 9.5 hours
- Emergency flash – 180 lm
- Produces bright, even, diffused light with less shadow than spot beams – ideal for up-close tasks
- USB rechargeable lithium polymer battery charges in the light; charges in approx. two hours
- Impact-resistant polycarbonate construction; IPX4 weather resistant

**STL61700** Yellow

**STL61702** Black



**STL61700**

### Bandit® Pro

- USB rechargeable
- 180 lumens of widespread light (on high), ideal for reading and other close-range tasks
- Low battery indicator—light will blink when there is approximately five minutes of run time remaining
- Smooth and diffused light is ideal for reading and other close-range tasks
- Two year limited warranty

**STL61710** Yellow

**STL61714** Black



**STL61710**



**STL61714**

## Keychain Lights



**STL72001**

### Keymate® Keychain

- (1) 100,000 hour LED bulb never needs replacing
- Up to 24 hours of run time
- 20x longer battery life than standard flashlights
- Durable pocket clip
- (4) alkaline watch-type batteries included
- Black

**STL72001** Black

**STL72101** Titanium



**STL73001**

### Nano Light®

- Truly tiny, personal flashlight featuring a 100,000 hour life LED
- Includes a non-rotating snap-hook for easy one-handed operation when attached to a keychain
- Easily attaches/detaches to just about anything with convenient pocket clip or key ring
- Up to 8 hours run time
- Machined aircraft-grade aluminum with anodized finish

- Powered by (4) alkaline button cells (included)
- Weatherproof
- LED available in white (10 lumens)
- 1-1/2" x 1/2", .36 oz

**STL73001** Black

**STL73002** Blue

**STL73003** Pink

**STL61205** Nano Batteries (4 pk)



**STL73200**

### Keymate®

- Three lighting modes: low, high and emergency flash
- Low: 16 lm; runs 2 hours
- High: 35 lm; runs 1 hour
- Optimal area illumination
- Rechargeable 110 mAh lithium polymer battery
- Spring-loaded clip attaches to key rings, zippers, lanyards, etc.
- IPX4 water-resistant

**STL73200**

## Knucklehead®



### Knucklehead® Flashlights

- Head rotates 360°, articulates 210°
- Powerful magnet attaches to steel surfaces; includes a cover to protect painted surfaces
- Integrated stowable hook
- Optics feature dual parabolic reflectors with a larger textured reflector optimizing light
- Shockproof dual C4® premium LED technology delivers 200 lumens
- High-impact, super-tough nylon polymer construction for exceptional durability

- Dual power source; accepts rechargeable NiCd battery pack or (4) AA alkaline batteries
- Four modes; high, low, moonlight and flash

**STL90627** Flashlight with 120 V AC/DC Charger

**STL900042** Battery Retaining Pin

**STL90130** NiCd Battery Pack Assembly (Blue Sleeve)

**STL905027** Battery Door Assembly

**STL90542** Alkaline Battery Pack (Batteries not included)

**STL90642** Alkaline Flashlight Only

**STL90643** Knucklehead® Magnet Cover



**STL90627**

# Lighting

## Lanterns



### Waypoint® Lantern

- Pistol-grip spotlight with C4 LED® technology features high, low and emergency signal
- Weight balanced design virtually eliminates user hand fatigue
- Features a trigger-style switch; secondary rotary switch selects output mode
- High: 550 lumens; runs 10 hours, Low: 40 lumens; runs 82 hours, Emergency signal: runs 82 hours
- Unlimited run time using 12 V DC power cord
- Powered by (4) C batteries (sold separately) or 12 V DC power cord (included)
- Lightweight, high-impact polycarbonate housing
- Deep-dish parabolic reflector produces a long-range targeting beam with optimum peripheral illumination – 625 m beam distance
- IPX4/water-resistant; 1 m impact resistance tested
- Includes lanyard
- Integrated stand for scene lighting; set it down and direct the beam where needed



STL44900

### Specifications:

6-3/4" L; 1.8 lb with batteries, 1.2 lb without batteries

STL44900

### The Siege® Lantern

- Rugged, cordless, alkaline battery-powered lantern provides 360° of soft, even light that illuminates a large area
- Multiple modes:
  - White light (four C4® LEDs) with cover removed: High: 540 lumens; runs 30 hours, Medium: 275 lumens; runs 70 hours, Low: 55 lumens; runs 295 hours
  - Red LED: Steady (night vision preserving mode); 10 lumens; runs 235 hours, Flash SOS mode for emergency signaling; 10 lumens; runs 430 hours, Night vision preserving mode extends run time for emergency preparedness

### The Seige® AA Lantern

- Rugged, compact lantern for when a lot of light is needed without using a lot of space
- Uses AA alkaline batteries to provide 360° of soft, even light that illuminates a large area
- Multiple modes: White LED – high (200 lumens; runs 7 hours), medium (100 lumens; runs 15-1/2 hours), low (50 lumens; runs 37 hours); red LED (night vision preserving mode) runs 192 hours – 8 days; flash SOS mode runs 288 hours, 12 days

### Siege® X USB Rechargeable Small Outdoor Lantern

- 325 lumen lantern and 300 lumen flashlight in one
- Small 4.5 inch size means it goes and stows anywhere
- Accepts (1) 18650 USB rechargeable battery or (2) CR123A batteries
- Hang it, hold it, clip it, or stand it up

- Ergonomic handle designed to lock in upright or stowed position; incorporated hook allows for hanging on horizontal rope, cables and pipes
- Uses (3) D-cell alkaline batteries (sold separately)
- IPX7 waterproof to 1 m submersion; it floats; 2 m impact resistance tested
- Available in Coyote

STL44931



STL44931

- Stands upright or hangs overhead with D-ring on base of lantern
- Battery level indicator
- Durable, polymer construction with rubber-molded base that provides stability on slippery or uneven surfaces
- IPX7 waterproof to 1 m submersion; floats; 2 m impact resistance tested

STL44941



STL44941

- Rugged rubber base won't slip on uneven surfaces
- IPX7 waterproof
- Red LED for night vision mode and Flash SOS mode
- Includes USB cord

STL44956

## LED Flexible Lights



STL71600

### Streamlight Jr.® Luxeon® Reach

- With the ultra-bright, long-beam Luxeon® Star LED mounted on a flexible cable and the magnetic clip for easy mounting, this handy light can be put almost anywhere and see anything.
- Includes extension cable that allows for 14' of "reach"
- C4 LED® produces 140 lumens; runs 4.5 hours

- Machined aircraft aluminum casing with anodized finish is virtually indestructible
- Flexible cable protected by a durable PVC coating
- Length: 20" L/folded length is 9"/reach length is 14.0"
- Weight: 6.30 oz
- Push button tail cap, steady on and momentary on/off operation
- (2) AA alkaline batteries included
- O-ring sealed, water-resistant
- Packaged with magnetic clip holder for mounting and positioning

STL71600

## LED UV Lights



### Stylus® UV and Twin-Task® 3C UV Flashlights

- Multi-use ultraviolet beam can be applied in leak detection and in detecting fraudulent documents
- Constructed of machined anodized aluminum for durability
- Stylus® UV features a 365 N•m ultraviolet LED
- TT-3C UV (titanium model) features a Xenon bulb and (6) 390 N•m LEDs

STL65069

STL65069



## Lens



STL750160



STL75115



STL75116



STL85115

### Lens

**STL20160** Clear (SL®15X, SL-20XP®, SL-20X®, SL-35X®, UltraStinger®)

**STL330002** Face Cap for the 3C

**STL680002** Face Cap Assembly 4AA Xenon

**STL68220** Xenon Replace Assembly 4AA

**STL68221** LED Replace Assembly 4AA

**STL750009** Clear (Stinger®, Stinger XT®, PolyStinger®)

**STL750160** Lens Repair Tool (Stinger XT®, PolyStinger®)

**STL75027** Infrared Lens (Stinger®, Stinger XP®, PolyStinger®)

**STL75115** TL-3® Flip Lens – Red

**STL75116** TL-3® Flip Lens – Blue

**STL75125** Lamp Holder Assembly (Stinger XT®)

**STL75160** Stinger® Lens Tool Kit

**STL757009** Lens, Stinger® LED

**STL757094** Stinger® LED DS LED Lens

**STL75766** Lens Tool, Stinger® LED

**STL75956** Len/Ref/Face Cap (Stinger®, Stinger XT®, PolyStinger®)

**STL76956** Lens Reflector Assembly (PolyStinger®)

**STL77510** Stinger® HP Lens

**STL780160** Lens Repair Tool (UltraStinger®)

**STL850168** Lens Repair Tool (Scorpion®)

**STL85115** Red Flip Lens/2-Cell

**STL88110** Lens Kit/Strion®, TL-2®, NF-2

**STL88155** Face Cap Assembly-TL-2®, NF2, Black

**STL90054** Survivor® (Old Style)

**STL90330** Face Cap/Reflector (Survivor®)



## Micro-Light/Penlights



**STL65006N**



**STL65024N**



**STL65031**



**STL65418**

### Stylus® LED Penlights

- Style, convenience and a 100,000 hour bulb!
- Dimensions: 6-1/2" L x .38" Diameter
- Tempered aircraft aluminum with anodized finish
- Non-slip grip
- Bulb life of 100,000 hours
- Momentary blink switch and constant "on" pocket clip
- Waterproof
- Runs for 10 hours on (3) AAAA batteries (included)
- Individually serialized

- STL65006N** Black with Red LED
- STL65012N** Silver with White LED
- STL65018N** Black with White LED
- STL65022N** Black with Blue LED
- STL65024N** Gold with White LED
- STL65036** Red with White LED
- STL65038** Blue with White LED
- STL65080** Blue, Red, White Flag

### Streamlight® Stylus® Accessory Pack

- Tempered aircraft aluminum with anodized finish
- Non-slip grip
- Bulb life of 100,000 hours
- Momentary blink switch and constant "on"
- Waterproof
- Runs for 10 hours on (3) AAAA batteries (included)
- Individually serialized
- Includes Sharp Spot and holster

### STL65031 Glare Guard

### Stylus Reach® 18/Stylus Reach®

- Unbreakable, 100,000 hour LED never needs replacing
- 20x longer battery life than standard flashlights
- Up to 60 hours of run time
- Insulated cable allows 18" of reach on the new Reach 18 and 14" of reach on the standard Stylus Reach®
- Momentary "blink" or constant on switching
- Waterproof
- Aircraft aluminum casing
- Non-slip grip
- Assembled in the USA

### STL65418 Stylus Reach® 18 Black/White LED

### STL65612 Stylus Reach® Silver/White LED

### STL65618 Stylus Reach® Black/White LED

### Stylus Pro®

- High-powered LED penlight features Proprietary Micro Optical Systems (MOS) with "Battery-Booster" electronics to provide a super-bright beam
- Proprietary MOS, for optimized output and run time
- Super bright 1/2W LED delivers up to 65 lumens output for up to 6.5 hours
- Type II MIL-SPEC abrasion and corrosion-resistant anodized aircraft aluminum
- Internal polymer body liner and shock-proof switch housing allow for operation under the most extreme conditions
- Water-resistant per IPX4; in accordance with specification EN 60529:1992
- Shock-proof; drop test verified above the industry standard of 6'
- Rubber push button tail cap switch

- O-ring sealed; unbreakable polycarbonate lens
- Unbreakable pocket clip
- Includes (2) AAA alkaline batteries and holster
- 5-1/4" L; 1.64 oz with battery

### Also Available:

STL660023, STL660023-1, STL660023-2, STL660023-3, STL66418

### STL66118 Black

### STL66120 Red

### STL66121 Silver

### STL66122 Blue

### STL66128 Orange

### STL66129 Green

### Also Available:

### STL660023 Tail Cap Black

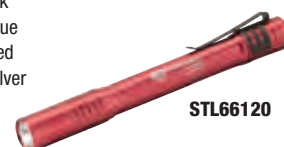
### STL660023-1 Tail Cap Blue

### STL660023-2 Tail Cap Red

### STL660023-3 Tail Cap Silver

### STL66418 Stylus Pro

### Reach® Black with White LED



**STL66120**



**STL66129**

### Stylus Pro® USB

- Sleek and compact USB rechargeable penlight with the flexibility of charging on-the-go using the USB cord or the compact AC wall adaptor
- Fully regulated output for consistent lumen performance over the battery life
- White C4 LED® is impervious to shock; 30,000 hour lifetime
- Li-Ion battery recharges in 2.5 hours and is rechargeable up to 300 times
- Anodized aluminum construction; gasket sealed glass lens
- IPX4 water-resistant; 1 m impact resistance tested
- 6-1/4" L; 3/4" D; 1.9 oz with battery
- Includes removable pocket clip and tear-resistant nylon holster

### STL66133 USB with 120 V AC adaptor, USB cord, black

### STL66134 USB with USB cord, black

### STL66136 USB with 120 V AC adaptor, USB cord, red

### STL66137 USB with USB cord, red

### STL66139 USB with 120 V AC adaptor, USB cord, blue

### STL66140 USB with USB cord, blue

### STL66143 Stylus Pro® USB Battery



**STL66136**



**STL66133**



**STL66139**

# Lighting

## Micro-Light/Penlights



STL66148

### Stylus Pro® USB UV

- USB rechargeable ultraviolet LED penlight
- 400 nanometer UV LED: 325 mW measured system output; runs 2.5 hours
- Conveniently charges via USB connector – wall or computer; replaceable Li-Ion battery recharges in 2.5 hours
- Machined aluminum construction; sliding metal sleeve protects USB port; IPX4 water-resistant

**STL66148** Stylus Pro® USB UV with 120V AC adaptor, USB cord, nylon holster – Black

### MicroStream®

- High-powered, C4 LED® penlight features Proprietary Micro Optical Systems with “Battery-Booster” electronics that provide a super-bright beam.
- Up to 25 lumens for up to 2.25 hours run time
- An internal polymer body liner and shock proof switch housing allow for operation under the most extreme conditions; O-ring sealed
- Rubber push button tail cap switch
- Unbreakable polycarbonate lens and unbreakable pocket clip
- Water-resistant per IPX4; in accordance with specification EN60529:1992
- Type II MIL-SPEC abrasion and corrosion-resistant anodized aircraft aluminum
- Key ring and safety lanyard included
- Includes (1) AAA alkaline battery
- 3-1/2" L, 1.04 oz

**STL66318** Black

**STL66323** Red



STL66318



STL66323

## Power Pack

### EPU-5200 Portable Power Pack

- Instant power for anyone on the go
- 5,200 mAh of power; provided capacity to recharge a multitude of devices with micro-USB input
- Built for professional use – high-impact, super-tough, nylon polymer construction; removable pocket clip
- Durable Li-Ion battery rechargeable up to 500 times; fully recharges in eight hours; very efficient with low self-discharge; holds charge up to three months
- Cover snaps in place to protect USB connector; sealed for water-resistance (IPX4 water-resistant); power button is protected from inadvertent actuation; cover tethered to prevent loss

**STL22600**



STL22600



## ProTac® Series



STL88033

### C4 LED® with 3 Lighting Modes

- High beam provides bright light and a beam that reaches over 100 meters
- Low beam provides enough light to work without straining eyes
- Strobe disorients and signals location
- Includes nylon holster
- Durable, anodized aluminum construction; anti-roll head; impact-resistant tempered glass lens
- Compact design – will not take up a lot of space in the toolbox or glove compartment; effortlessly carry on a belt or in a pocket
- Removable pocket clip keeps the light in place easily accessible
- IPX7 waterproof to 1 meter for 30 minutes

**STL88033** Protac® 2AA C4 LED®

**STL880097** Switch for Protac® 1AA



STL88047

### ProTac HL® 3

- Provides extraordinary brightness in a wide beam pattern that lights entire area with 1,100 lumens on high
- TEN-TAP® programming; choice of three user selectable programs: 1.) high/strobe/low 2.) high only 3.) low/high
- Multi-function, push button tail switch for one-handed operation
- Optimized electronics provide thermal management and regulated intensity
- Features a solid state power regulation that provides maximum light output throughout battery life
- Made of durable anodized machined aircraft aluminum construction with an anti-roll head that prevents the light from rolling away when you set down

**STL88047**



STL88030

### ProTac® 1L Flashlight

- TEN-TAP® Programming – Choice of three operating modes: 1) high/strobe/low; 2) high only; 3) low/high
- High for bright light: 275 lumens; 5,100 candela; 143 m beam; runs 2 hours – Low for longer run time: 22 lumens; 420 candela; 41 m beam; runs 24 hours – Strobe for signaling or disorienting: runs 3.5 hours
- Durable, anodized aluminum construction
- IPX7 waterproof to 1 meter for 30 minutes
- Anti-roll head; impact-resistant tempered glass lens; unbreakable pocket clip
- Includes (1) CR123A lithium battery and a nylon holster

**STL88030**



STL88062

### ProTac® 2L-X Flashlight

- Dual fuel tactical flashlight with 500 lm
- Dual Fuel: uses (2) CR123A lithium batteries (included) or (1) Streamlight rechargeable 18650 Li-Ion battery
- High/low/strobe modes
- TEN-TAP® Programming allows selection of three different operating programs

**STL88062**



STL88081

### ProTac® HL-X Dual Fuel 1000 Lumen Tactical Flashlight

- 1,000 lm; 27,100 candela (High beam)
- Machined aircraft aluminum with anodized finish
- Glass lens, gasket sealed
- High/medium/low/strobe modes
- TEN-TAP® Programming allows selection of three different operating programs
- IPX7; waterproof to 1 m for 30 minutes
- Anti-roll facecap and removable pocket clip
- Dual Fuel: Uses (2) CR123A lithium batteries (included) or (1) Streamlight rechargeable 18650 Li-Ion battery

**STL88064**



### ProTac® HL5-X USB

- 3,500 lumens and 452 m beam on High
- Switch to Low for 11.5 hours of run-time
- Battery versatility – use 18650 USB rechargeable batteries or disposable lithium batteries
- High/Medium/Low/Strobe modes
- TEN-TAP® Programming to choose your preferred operating mode
- Anti-roll head prevents it from rolling away when you set it down
- Durable aluminum construction and IPX7 water proof
- Includes (2) 18650 USB batteries, Dual USB cord, Wrist lanyard

**STL88081**



STL88064

## Stinger® Accessories



### Switch Kit for Stinger LED HL®

- Replaces switch on the Stinger LED HL®

**Kit includes:** LED, boot, screws, triangle and instruction sheet

**STL75952**

**STL940083** Tail Cap Black

**STL940083-1** Tail Cap Blue

**STL940083-2** Tail Cap Red

**C4 LED® Switch Kit – Stinger® LED**  
**STL75798**

### Magnetic Clip for Stinger® Flashlight

- Snap your Stinger® flashlight into the magnetic clip accessory for hands-free lighting
- Mounts in any position
- Fits aluminum Stinger® flashlight series

**STL75967**



**STL75967**

## Stinger® and Polystinger®



### Stinger LED HL®

- Rechargeable flashlight designed for maximum illumination
- C4 LED® technology; shock-proof; deep dish parabolic reflector produces a concentrated beam with optimum peripheral illumination
- 22,000 candela (peak beam intensity); 800 lumens
- Machined aircraft aluminum with non-slip rubberized grip and anti-roll rubber ring
- Unbreakable polycarbonate lens with scratch resistant coating
- Multi-function, easy access push button switch; access high, medium, low and strobe
- Run time: high – 1-1/4 hours, medium – 2 hours, low – 4 hours, strobe – 3 hours
- 8-1/2" L; 12.4 oz

**STL75429** LED HL Flashlight Only, Black

**STL75434** LED HL with 120 V AC/12 V DC PiggyBack® Charger, Black



**STL75429**



**STL75476** LED HL with 120 V AC/12 V DC PiggyBack® Charger, Blue

**STL75478** LED HL with 120 V AC/12 V DC PiggyBack® Charger, Lime

**STL75480** LED HL with 120 V AC/12 V DC PiggyBack® Charger, Orange

**STL75482** LED HL with 120 V AC/12 V DC PiggyBack® Charger, Purple

**STL75484** LED HL with 120 V AC/12 V DC PiggyBack® Charger, Red

**STL75485** LED HL Flashlight Only, Red

### Stinger DS LED HL®

- Rechargeable flashlight designed for maximum illumination
- C4 LED® technology; shock-proof; deep dish parabolic reflector produces a concentrated beam with optimum peripheral illumination
- Dual Switch Technology® provides independently working push button tail cap switch or head switch; access three lighting modes and strobe via the tail cap or the head-mounted switch
- 22,000 candela (peak beam intensity); 640 lm
- Machined aircraft aluminum with non-slip rubberized grip and anti-roll rubber ring
- Unbreakable polycarbonate lens with scratch resistant coating
- Run time: high (1-1/4 hours), medium (2 hours), low (4 hours), strobe (3 hours)
- 8-3/4" L; 12.8 oz

**STL75458** LED Dual Switch Flashlight with 120 V AC/12 V DC PiggyBack® Charger, Black



**STL75458**

### Stinger® LED

- Compact and powerful rechargeable flashlight
- C4 LED® technology; shock-proof; deep dish parabolic reflector produces a concentrated beam with optimum peripheral illumination
- 24,000 candela (peak beam intensity); 350 lumens
- Machined aircraft aluminum with non-slip rubberized grip and anti-roll rubber ring
- Unbreakable polycarbonate lens with scratch resistant coating
- Multi-function, easy access, head-mounted push button switch; access high, medium, low and strobe
- Run time: high – 2 hours, medium – 3-3/4 hours, low – 7-1/4 hours, strobe – 5-1/2 hours
- 8-1/2" L; 12.4 oz

**STL75610** LED Flashlight Only, Red

**STL75611** LED Flashlight Only, Blue

**STL75612** LED with 120 V AC/12 V DC PiggyBack® Charger, Red

**STL75613** LED with 120 V AC/12 V DC PiggyBack® Charger, Blue

**STL75635** LED Flashlight only, Lime



**STL75610**



**STL75635**



**STL75613**

**STL75636** LED with 120 V AC/12 V DC PiggyBack® Charger, Lime

**STL75641** LED Flashlight Only, Orange

**STL75642** LED with 120 V AC/12 V DC PiggyBack® Charger, Orange

**STL75648** LED with 120 V AC/12 V DC PiggyBack® Charger, Purple

**STL75710** LED Flashlight Only, Black

**STL75713** LED with 120 V AC/12 V DC, Two Charge Holders, Black

**STL75732** LED with 120 V AC/12 V DC PiggyBack® Charger, Black

# Lighting

## Stinger® and Polystinger®



STL75614



STL75810



STL75617

### Stinger DS® LED

- Compact and powerful rechargeable flashlight
- C4 LED® technology; shock-proof; deep dish parabolic reflector produces a concentrated beam with optimum peripheral illumination
- Dual Switch Technology® provides independently working push button tail cap switch or head switch; access three lighting modes and strobe via the tail cap or the head-mounted switch
- 24,000 candela (peak beam intensity); 350 lumens
- Machined aircraft aluminum with non-slip rubberized grip and anti-roll rubber ring
- Unbreakable polycarbonate lens with scratch resistant coating
- Run time: high – 2 hours, medium – 3-3/4 hours, low – 7-1/4 hours, strobe – 5-1/2 hours
- 8-3/4" L; 12.8 oz

**STL75614** LED Dual Switch Flashlight Only, Red

**STL75615** LED Dual Switch Flashlight Only, Blue

**STL75616** LED Dual Switch with 120 V AC/12 V DC PiggyBack® Charger, Red

**STL75617** LED Dual Switch with 120 V AC/12 V DC PiggyBack® Charger, Blue

**STL75637** LED Dual Switch Flashlight Only, Lime

**STL75638** LED Dual Switch with 120 V AC/12 V DC PiggyBack® Charger, Lime

**STL75644** LED Dual Switch Flashlight Only, Orange

**STL75645** LED Dual Switch with 120 V AC/12 V DC PiggyBack® Charger, Orange

**STL75810** LED Dual Switch Flashlight Only, Black

**STL75813** LED Dual Switch with 120 V AC/12 V DC Steady Charger, Black

**STL75832** LED Dual Switch with PiggyBack® Charger, Black

### Stinger® LED HPL™

- Long range rechargeable flashlight
- C4 LED® technology; shock-proof; deep dish parabolic reflector produces a long range beam with optimum peripheral illumination
- 48,000 candela (peak beam intensity); 740 lumens
- Machined aircraft aluminum with non-slip rubberized grip

- Unbreakable polycarbonate lens with scratch resistant coating
- Multi-function, easy access, head-mounted push button switch; access high, medium, low and strobe
- Run time: high – 1-1/4 hours, medium – 2-1/2 hours, low – 4-1/2 hours, strobe – 3 hours
- 9-1/4" L; 13.6 oz

**STL75782** LED HPL with 120 V AC/12 V DC PiggyBack® Charger, Black

**STL75980** LED HPL Flashlight Only, Black



STL75782



STL75851

**Stinger® DS LED Tail Cap Switch**

**STL75851** Stinger®, DS LED Tail Cap Switch

### Stinger DS® LED HPL™

- Long range rechargeable flashlight
- C4 LED® technology; shock-proof; deep dish parabolic reflector produces a long range beam with optimum peripheral illumination
- Dual Switch Technology® provides independently working push button tail cap switch or head switch; access three lighting modes and strobe via the tail cap or the head-mounted switch
- 48,000 candela (peak beam intensity); 740 lumens
- Machined aircraft aluminum with non-slip rubberized grip
- Unbreakable polycarbonate lens with scratch resistant coating
- Multi-function, easy access, head-mounted push button switch; access high, medium, low and strobe
- Run time: high – 1-1/4 hours, medium – 2-1/2 hours, low – 4-1/2 hours, strobe – 3 hours
- 9-1/2" L; 14 oz



STL75882

**STL75882** LED HL Dual Switch with 120 V AC/12 V DC PiggyBack® Charger, Black

**STL75900** LED HLP Dual Switch Flashlight Only, Black

### PolyStinger® LED

- Rechargeable flashlight
- Super-tough, non-conductive nylon polymer with non-slip rubberized comfort grip
- C4 LED® technology; shock-proof; deep dish parabolic reflector produces a concentrated beam with optimum peripheral illumination
- 26,000 candela (peak beam intensity); 385 lumens
- Machined aircraft aluminum with non-slip rubberized grip and anti-roll ring
- Unbreakable polycarbonate lens with scratch resistant coating
- Multi-function, easy access push button switch; access high, medium, low and strobe
- Run time: high – 2 hours, medium – 3-3/4 hours, low – 7-1/4 hours, strobe – 5-1/2 hours
- 8" L; 11.5 oz

**STL76182** Polystinger® LED with 120 V AC/12 V DC PiggyBack® Charger, Yellow



STL76182

## Stinger® Lite Pipe Kits



### Stinger® Lite Pipe Kit

- Stinger® Lite Pipe kit allows you to convert existing Xenon Stinger® to a Stinger® Lite Pipe
- Work light system features eight high-power LEDs that produce a soft, 220 lumen flood pattern to illuminate entire work area for 3.25 hours
- Ultra-thin design fits into tight spaces
- Removable, rotatable hang-hook allows it to be used as a drop light

**STL75951**



STL75951



## Streamlight® ProPolymer® Flashlights



### Streamlight® ProPolymer® Series

The ProPolymer® are waterproof, extremely tough and incredibly bright. Their powerful xenon beams can be activated by either depressing the tail switch slightly for momentary or depressing completely for constant on. All of the lights in this series are constructed of a durable, corrosion- and impact-resistant, non-conductive polymer with an unbreakable scratch resistant lens. They are assembled in the USA.

#### 3C (10 LED)

- (10) 100,000 hour unbreakable white LEDs never need replacing
- 85 lumens; runs 336 hours
- 20x longer battery life than standard flashlights
- Larger size is ideally suited for tasks where gloves are typically worn

**STL33202** 3C Yellow, 10 LED

**STL33302** 3C Black, 10 LED

**STL68202** 4AA Yellow, 7 LED

**STL68254** 4AA Yellow, Xenon

**STL68302** 4AA Black, 7 LED



## Twin-Task® Flashlights



### Twin-Task® Streamlight®

- Offers a patented LED/Xenon combination to choose between a super-bright light (Xenon) and an incredibly long run time (LED)
- Long run time LEDs super-bright Xenon bulb in center
- C4 LED® is 10x brighter than a high-intensity LED

**STL51006** C4 LED 3AA Black 8-1/2" L

**STL51016** C4 LED 3AA Titanium 8-1/2" L

## UltraStinger®



### UltraStinger® LED

- Rechargeable flashlight
- C4 LED® technology; shock-proof; custom engineered optic produces a narrow beam and optimizes peripheral illumination
- 65,000 candela (peak beam intensity); 1,100 lumens
- Machined aircraft aluminum with non-slip rubberized grip
- Unbreakable polycarbonate lens with scratch resistant coating
- Multi-function, easy access, head-mounted push button switch; access high, medium, low and strobe
- Run time: high – 1-1/2 hours, medium – 4-1/2 hours, low – 16 hours, strobe – 3-1/4 hours
- 11-3/4" L; 19.9 oz

**STL77553** UltraStinger® LED with 120 V AC/12 V DC, Black

## Upgrade Kits



### C4 LED® Upgrade Kit

- Upgrades the "original" Stinger® LEDs with the more powerful C4 LED
- LED makes the light 2x–3x brighter (original Stinger® LED models do not have "C" or "C4" in the serial number)

**Kit Includes:** Face cap assembly, retaining ring and C4 LED® with switch assembly  
**STL75768**



**STL78003**

### Streamlight® Parts and Accessories Upgrade Kits

**STL78003** Super Stinger® to Ultra

**STL78004** Stinger® to Stinger HP®

# Lighting

## Flashlights: Rechargeable LED



### 160 Lumen Eagle Rechargeable LED Flashlight

- 5.1 oz with 2,200 mAh lithium ion batteries
- Runs 3 hours after 3 hours recharging
- AC adaptor and belt pouch included

#### SNLEGK2W27A

SNLBP27 Belt Pouch for Eagle/Turbo



### 280 Lumen Turbo Rechargeable LED Flashlight

- Dual switches
- 4.0 oz with 2,200 mAh Li-Ion batteries
- Runs 3 hours (tail), 5 hours (side) after 3 hours recharging
- AC adaptor and belt pouch included

#### SNLETP4W27A

SNLG18B2 2,600 mAh Li-Ion RCHG Battery

SNLG18S2 2,200 mAh Li-Ion RCHG Battery

SNLTBCAPF Forward Clicky Tail Cap

SNLWG4612 Wall Charger

SNLWTP427 Turbo LED Head



## Headlamps



### 230 Lumen Rechargeable LED Headlamp

- 3 brightness settings
- Runs 3 hours on high, over 40 hours on low
- Interchangeable LED head
- AC charger included

#### SNLHLRC

SNLHLST Strap for Head Lamp



## LED UV Lights



### 140 mW Slim LED UV Light

- Most sensitive true UV LED leak detection light
- Performs better on dye than a 100W corded UV light
- UV light does not degrade over time
- Optional flexible tube allows for deeper reach into tight spots

#### SNLSM1WUV13



## Underhood Lights: LED



SNLUH2F3AC

### 1,800 Lumen LED Underhood Light

- More useful light than (2) 4' 30W fluorescent tubes
- All aluminum; 4 cm wide; 1 cm thick
- Comes with car battery clamps, switch and AC adaptor

#### SNLUH2F3AC

SNLWP1220 AC Power Adaptor with Switch



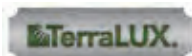
SNLUH21F2AC

### 2,000 Lumen 4 LED Underhood Light, with AC Adaptor

- Linked (2) 1' LED strips
- Flexibility to slide two strips together and apart
- All aluminum; 4 cm wide; 1 cm thick
- Comes with car battery cable/clamps, switch, car adaptor and AC adaptor

#### SNLUH21F2AC

## Flashlight Accessories



### MiniStar ST-EX LED Conversion Kit

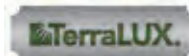
- 300 lumens
- Up to 120 minutes run time
- Works with Streamlight®, Stinger® and Polystinger® models

#### TLXTLEST1EX



TLXTLEST1EX

## Micro-Light/Penlights



TLXTLF802BK

### LightStar™ Penlight

- Durable and energy efficient
- High color rendering index LED and a rubber end grip for added utility
- Comes with a pocket clip, batteries and has a run time of 5 hours

#### Replacement Parts:

TLXTLFORING, TLXTLFECAPBK, TLXTLFECAPOR, TLXTLF80CLIP, TLXTLF80GRIP

TLXTLF802BK Black/Grey

TLXTLF802BL Blue

TLXTLF802OR Orange

TLXTLF802RD Red

TLXTLF80CLIP Pocket Clip

TLXTLF80GRIP Rubber Grip

TLXTLFECAPBK End Cap Grey/Black

# Lubrication and Fluid Management

## Collection/Drainage and Waste

### 8 Gallon Oil Lift Drain

- Large 15" funnel with strainer
- Plated upper steel tube
- Quick-release lock ring for fast raising and lowering of upper tube has a total adjustment range of 22-1/2"
- Powder coated steel lower tube
- Heavy duty clamp has a height adjustment range of 15"
- Lower center of gravity for increased stability
- (4) 2-1/2" ball bearing wheels swivel and roll easily

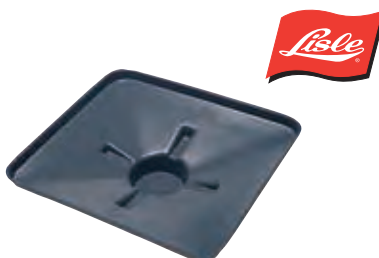
**LIL11102**

**LIL11302** Replacement Funnel

**LIL11602** Replacement Wheel  
(Current 8 Gallon Lift Drain)



**LIL11102**



**LIL17892**

### Transmission Drain Funnel

- 22" x 23" heavy-duty plastic lift drain funnel
- Extends the catch area of any lift drain
- Funnel catches any loose parts
- Prevents parts from falling through drain

**LIL17892**



**LIL17922**

### Multi-Drain Tub

- 30 qt, all purpose, heavy-duty plastic drain tub
- For draining radiator, crankcase, transmission and differential
- Accommodates autos and trucks
- Apron for washing and sorting parts
- Designed for easy pouring and disposal
- 33 x 22 x 8"

**LIL17922**

### No Splatter Pad

- Protects floors and work area from messy oil splatter
- Insert pad in funnel or oil pan before oil change to eliminate oil splatter
- Porous material allows fluid to quickly pass through into funnel or pan
- Pad material resists engine oil, transmission fluid, coolant, brake fluid, brake cleaner, gear oil and other solvents
- Pad fits standard oil lift drain funnels and oil pans or can be trimmed for perfect fit

### Important:

Not for coolants or fluids that will be recycled in the vehicle as material fibers may contaminate the fluid

**LIL38750** 15" Round

**LIL38780** 22" Square



**LIL38750**



**LIL38780**

### 8 Gallon Fluid Drain

- 8 gallon capacity drain for collection of used fluids, including motor oil, transmission fluid and coolant from lift-mounted vehicles
- Designed for stability and efficiency; quickly and easily adjusts to the proper height using an adjustable clamp; height adjusts from 36-65"
- Reservoir's flat-top design holds drain filters, tools, nuts, bolts, etc.
- Durable, high-density, polyethylene reservoir utilizes space efficiently and prevents damage to vehicles
- Splash guard to catch overspray
- Long lasting casters for ease of movement

**LSL3508**



**LSL3508**

### 18 Gallon Self-Evacuating Fluid Drain

- 18 gal capacity drain for collection of used fluids, including motor oil, transmission fluid and coolant
- All steel construction with a 14" telescoping bowl which can be adjusted from 45-72" high
- Tank includes a preset air regulator that allows the use of standard shop air up to 150 PSI
- Receiver includes a safety valve and a reinforced dispensing hose that doubles as a sight gauge to prevent overfilling
- Maneuvers on (2) 3" ball-bearing swivel casters and (2) 6" fixed-axle wheels

**LSL3601**



**LSL3601**

### 25 Gallon Self-Evacuating Fluid Drain

- Designed to drain, transfer and evacuate used oil quickly and safely
- 25 gal welded-steel tank is supported by heavy-duty 4" swivel casters and 6" fixed-axle wheels
- 15" diameter drain bowl with removable filter screen and 24" wide-mouth funnel extension; funnel height adjusts from 51-76"
- Pressurized self-evacuation feature requires only shop air and a tire chuck to discharge fluids
- Includes 7' nylon-reinforced discharge hose with steel J-hook and tethered drip plug
- Safety-relief valve to prevent over-pressurization

**LSL3635**



**LSL3635**

# Lubrication and Fluid Management

## Collection/Drainage and Waste



LSLMVA660

### Power Steering Evacuation Adaptor

- Works with the YA4000B and SVT270B vacuum pumps

LSLMVA660 Power Steering Evacuation Adaptor



PVB70890

### Speedy Vac Fluid Evacuation Kit

- Portable fluid evacuation for automotive, heavy-duty and industrial applications
- "Vacuum Hold" feature allows use even when disconnected from air supply
- Automatic fluid shut-off valve to prevent overfilling
- Quick connect couplings
- Carry handle and easy pour spout for fluid disposal

**Kit Includes:** 6 mm and 8 mm suction hoses and brake bleeding attachments; 7 L fluid container

PVB70890

### Fluid Extractor

- Use for quick extraction or dispensing of small volumes of fluid to or from reservoirs
- Simple, syringe-type action extracts or dispenses fluid quickly and cleanly
- Compact, streamlined design allows access into tight spaces
- Ideal for evacuating or topping off master cylinders and other small reservoirs
- Easy to clean; hose and seals are simple to replace
- Includes 7 oz (200 cc) capacity fluid extractor, extraction hose with cap and service sheet

LSLMVA6851



### Vacuum Test Kit

TestVac Vacuum Test Kit

- Allows fast, efficient static testing and monitoring of many vacuum operated components
- Diagnostic – vacuum leaks, valve timing, engine condition
- Under hood – distributors, carburetors, EFI, EGR and PCV valves
- Under dash – heaters, air conditioners, door locks
- Allows one man brake bleeding

PVB80030

**Kit includes:**

**PVB80000-11** Maintenance Kit

**PVB80000-15** Container Assembly Kit

**PVB80000-16** Vacuum Fittings Kit

**PVB80000-17** Bleeder Fittings Kit

**PVB80000-18** Hose Kit

**PVB80030-10** Gauge and TPR Protector

**PVB80030-12** Piston/Rod Assembly

**PVB80030-14** Hose Fittings



PVB80030

## Diesel Filter Wrench



ASTBMW9054

### Fuel Injector Seal R&R Set

- Injector/chamber tool set
- Installs new seals onto the injector
- Set includes three fuel seal sizing tools, one brass drift to help slide the seal onto the injector and a slide hammer with adaptor that threads onto the fuel injector for easy removal
- Made in USA

**Applicable:**

N4, N18, N54 and N63 BMW®; vehicles

ASTBMW9054

### PACCAR® Diesel Filter Wrench

- All metal wrench to remove and install bowls on newer PACCAR® chassis mounted fuel filter assemblies
- Half-moon design allows easier access to the fuel filter found on Kenworth®, Peterbilt® and Cummins® diesels
- Laser-cut steel provides strength to loosen even the toughest bowls
- Thick padded grip for comfort

LIL61060



LIL61060

### Diesel Filter Wrench for 6" Davco®

- Specially designed wrenches for removing and replacing the main filter collar as well as the vent cap on aftermarket diesel fuel filter systems
- 6" wrench with a unique half-moon design provides easier access to the fuel filter
- High-strength steel prevents the wrench from flexing while loosening stubborn filter collars
- Four teeth grab the vent cap securely to prevent damage
- Works on diesel engines found in Caterpillar® CT660, CT11, CT13, CT15, Cummins®, Detroit Diesel®, International®, Mercedes Benz®, Paccar®, Daimler® Trucks North America, Kenworth®, Mack®, Navistar®, Peterbilt®, Thomas Built Buses® and Volvo®

LIL61110



LIL61110



# Lubrication and Fluid Management

## Drain Plug Tools



**ASTSU070**

### Drain Plug Socket

- For removal and replacement of trans axle drain plug

### Applicable:

2003 and newer Subaru® vehicle with manual transmissions

**ASTSU070**



**ASTVW10549**

### Oil Drain Plug Tool for Volkswagen® Vehicles

- Used for removing and installing the engine oil drain plug

### Applicable:

2015–2019 VW®/Audi® 1.8 L and 2.0 L turbo gas engines

**ASTVW10549**



### 13 mm Magnetic Oil Drain Plug Socket

- Oil drain plug sockets have magnetic core and Surface Drive™ technology
- Knurled "Speed Ring" provides quick removal and installation
- Serrated edges provide added grip for hard-to-reach fasteners
- Anodized color-coded aluminum
- Fits most domestic and import vehicles
- Set comes with Pass-Thru® ratchet featuring GearRatchet® handle

**KDT3872D**



**KDT3872D**

### 14 mm Magnetic Oil Drain Plug Socket

- Oil drain plug sockets have magnetic core and Surface Drive™ Technology
- Knurled "Speed Ring" provides quick removal and installation
- Serrated edges provide added grip for hard-to-reach fasteners
- Anodized color-coded aluminum
- Fits most domestic and import vehicles
- Set comes with Pass-Thru® Ratchet featuring GearRatchet® handle

**KDT3873D**



**KDT3873D**



### Drain Plug Pro

- Removable magnetic head mounted on 1/4" square drive
- 2-pole head design has near universal application to bolt designs
- Remove drain plug without touching hot oil or hot plug
- Flexible shaft enables user to turn bolts from virtually any position
- Lifetime warranty
- 1/4" square drive for sockets or bit holders

**OTC5911A**



**OTC5911A**

### Drain Plug Pro Tool Kit

- Safely removes oil pan drain plugs, avoiding contact with hot oil and prevents dropping drain plugs and other fasteners
- Features three attachments for automotive drain plugs and a socket for driving bits
- Pre-loosen drain plugs using a standard wrench; attach the strong magnetic attachment and turn to remove; the plug/bolt is securely held to the attachment and will not fall off
- Plug swings away from the hot oil stream, preventing splash and splatter
- Fits most every automotive drain plug design
- Includes attachments for standard drain plugs, low profile drain plugs, internal hex drain plugs (17 mm) and 1/4" hex bits
- Use with any 1/4" square drive socket
- Contained on a socket rail for hanging or tool drawer storage

**OTC5961**



**OTC5961**



**OTC5961HD**

### Heavy Duty Drain Plug Pro Tool Kit

- Safely removes heavy-duty oil pan drain plugs, avoiding contact with hot oil and prevents dropping drain plugs and other fasteners
- Features two attachments for heavy-duty vehicles and equipment
- Pre-loosen drain plugs using a standard wrench; attach the strong magnetic attachment and turn to remove; the plug/bolt is securely held to the attachment and will not fall off
- Plug swings away from the hot oil stream, preventing splash and splatter
- Includes large attachments for large commercial vehicle drain plugs and 1/2" square drive differential plugs
- Use with any 3/8" square drive socket
- Contained on a socket rail for hanging or tool drawer storage

**OTC5961HD**

## Fillers/Spouts/Funnels

### Oil Funnel for VW®/Audi® Vehicles

- Specifically designed to attach to the valve covers
- No mess due to the internal baffle of the valve cover
- Applicable to Audi®, BMW®, Mercedes®, Porsche®, Sprinter® Vans and Volkswagen®
- Made in USA

**ASTAUD1000**



**ASTAUD1000**

### Specialty Funnel

- Used in conjunction with all AST funnel attachments
- Made in USA

**ASTFUN14FUNL**



**ASTFUN14FUNL**

### 6 pc Custom Oil Funnel Set

- Includes funnel and five adapters to fit over a hundred models including Acura®, Buick®, Chevrolet®, Dodge®, Fiat®, Ford®, GMC®, Honda®, Hyundai®, Jaguar®, Jeep®, Land Rover®, Lexus®, Mazda®, Nissan®, Oldsmobile®, Pontiac®, Scion® and Toyota®
- When combined with our other adapters, the 45 degree elbow extension allows access where funnels otherwise do not fit

**ASTFUN14KIT**



**ASTFUN14KIT**



# Lubrication and Fluid Management

## Fillers/Spouts/Funnels



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Specialty Funnel Extension

- Made of durable ABS plastic
- Attaches directly to engine oil filler neck or valve cover
- Used on newer Ford® and Mazda® vehicles
- Made in USA

**ASTOFFM-1**



**ASTOFFM-1**

### Oil Funnel for Harley Davidson® Motorcycles

- Made of durable ABS plastic
- No more mess
- Threads and seals just like the oil cap
- Made in USA

#### Applicable:

- Fits Kia® and Harley-Davidson® Dyna and touring models (2007–2016)

**ASTOFHD35**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com



**ASTOFHD35**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Oil Funnel for Harley Davidson® Motorcycles

- Made of durable ABS plastic
- No more mess
- Seals just like the oil cap
- Made in USA

#### Applicable:

- ATV, marine, and motorcycle—fits all 1999–2006 touring models with "push-in"-style oil caps

**ASTOFHD419**



**ASTOFHD419**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Specialty Funnel Extension

- Made of durable ABS plastic
- Specifically made for a custom fit to valve covers and filler necks
- Applicable to Acura®, Fiat® and Honda®
- Made in USA

**ASTOFH33**



**ASTOFH33**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Oil Funnel for Subaru® Vehicles

- Fits all Subaru® vehicle models with threaded oil cap (except Tribeca)
- Prevents any unwanted mess
- Regular funnels do not fit properly
- Made in USA

**ASTOFSU1042**



**ASTOFSU1042**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Engine Oil Funnel for Toyota® Vehicles

- Threaded oil funnel for Toyota® and Lexus® models
- Made of durable ABS plastic
- No more mess
- Attaches and seals to the valve cover just like the oil cap
- Applicable to all Toyota® and Lexus® models with a threaded oil cap
- Made in the USA

#### Applicable:

- Toyota®, Lexus® and Scion®.

**ASTOFTOY1038**



**ASTOFTOY1038**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Toyota® Funnel Extension

- Adds coverage and access where normal funnels do not fit
- Made of durable ABS plastic
- Specifically made for a custom fit to valve covers and filler necks
- Applicable to Lexus®, Scion® and Toyota® vehicles
- Made in USA

**ASTOFT38**



**ASTOFT38**



**ASSENMACHER  
SPECIALTY TOOLS**  
ASTTool.com

### Oil Funnel for VW®/Audi® Vehicles

- 1/4 turn funnel with four slots
- Custom fit into valve cover for no mess filling of oil
- Also fits 2013 Euro models with a 2.0 L turbo engines
- For 2014–2019 VW®/Audi® models with 2.0 L turbo engines
- Made in USA

**ASTOFVW2013**



**ASTOFVW2013**

### Form-A-Funnel®

- Molds into and holds any shape to create a leakproof channel for draining oil, fluids and resins
- Thick, pliable Nitrile rubber encases a thin layer of alloy to allow thousands of shapings
- Soft rubber edge forms a seal around filter or drains
- Reuse it a thousand times
- Cleans easily and works with oil, fuel, anti-freeze, brake fluid, even battery acid

**FAFAV-104** 22" x 4-5/8"

**FAFGP-102** 14-1/2" x 6-1/2"

**FAFLG-101** 9" x 4-3/4"

**FAFTT-103** 25" x 5"



**FAFAV-104**



**FAFGP-102**



**FAFLG-101**



**FAFTT-103**

**FORM-A-FUNNEL®**

### Funnel LOK®

- Hands-free funnel holder is a simple, yet revolutionary tool designed to hold any standard-size funnel firmly in place
- Makes it easy to transfer gasoline, oil, coolant or any other fluids and powders without slipping or spilling

- Shaped like a pair of pliers with spring torque action
- Features four stabilizing prongs that can be inserted into any container or tank opening from 1-1/4–2-1/4" in size
- Made of durable ABS material

**KCT740**



**KCT740**





## Fillers/Spouts/Funnels

### Right Angle Funnel

- Translucent Funnel with 6-3/4" offset from the center of mouth to center of spout for hard-to-reach applications
- Useful for adding brake fluid to master cylinders on mini-vans, adding gear lube to differentials, filling the DEF reservoir on GM® Duramax® diesels, as well as other applications
- 10" H

**LIL17232**



**LIL17232**

### Transaxle Funnel with Extension

**LIL18832** Funnel Body



**LIL18832**

### Multi-Application Oil Funnel

- Helps eliminate oil spills when refilling crankcases, especially those with baffle valve covers
- 1.6 qt translucent funnel includes (7) color-coded adaptors which fit crankcases securely and a 45° elbow to work on many applications and save storage space
- Use spout only as a standard funnel
- Includes tethered lid and cap to keep the funnel clean

**Includes:** LIL19352 GM®/Ford® Adaptor, Black LIL19362 Ford®/Mazda® Adaptor, Blue LIL19372 Toyota®/Lexus® Adaptor, Yellow LIL19382 Honda®/Acura®/Nissan® Adaptor, Green LIL19392 VW®/Audi®/BMW®/Mercedes® Adaptor, Maroon LIL19402 Chrysler® Adaptor, Purple LIL19412 Toyota®/Lexus® Adaptor, Orange LIL19422 Straight Adaptor, Clear LIL19432 Elbow 45°, Black LIL19442 Tethered Lid, Red LIL19532 Tethered Spout Cap, Red LIL19832 Funnel Body

### LIL19342

**LIL19352** GM®/Ford® Adaptor, Black

**LIL19362** Ford®/Mazda® Adaptor, Blue

**LIL19372** Toyota®/Lexus® Adaptor, Yellow

**LIL19382** Honda®/Acura®/Nissan® Adaptor, Green

**LIL19392** VW®/Audi®/BMW®/Mercedes® Adaptor, Maroon

**LIL19402** Chrysler® Adaptor, Purple

**LIL19412** Toyota®/Lexus® Adaptor, Orange

**LIL19422** Straight Adaptor, Clear

**LIL19432** Elbow 45°, Black

**LIL19442** Tethered Lid, Red

**LIL19532** Tethered Spout Cap, Red



**LIL19342**

### 12 pc Multi Application Oil Funnel Set

- The 1.6 qt translucent funnel comes with (12) different color-coded adaptors and a 45° elbow to work on many applications and save valuable storage space
- Helps eliminate oil spills when refilling crankcases, especially those with baffle valve covers
- Adaptor holders keep adaptors organized in toolbox or on pegboard
- Use spout only as a standard funnel
- Tethered lid and cap keep the funnel clean
- GM®/Ford® adaptor, Ford®/Mazda® adaptor, Toyota®/Lexus® adaptor, Honda®/Acura®/Nissan® adaptor, VW®/Audi® adaptor, Chrysler® adaptor, Toyota®/Lexus® adaptor, Subaru® adaptor, GM® adaptor, Audi®/VW® adaptor and Hyundai®/KIA® adaptor

### LIL19612 Set Includes:

**LIL19452** Subaru® Adaptor w/Gasket, Neon Red

**LIL19472** GM® Adaptor w/Gasket, Teal

**LIL19482** Audi®/VW® Adaptor w/Gasket, Tan

**LIL19492** Hyundai®/KIA® Adaptor w/Gasket, Royal Blue

**LIL19502** Chrysler® Adaptor w/Gasket, Mid Gray

**LIL19632** 1 pc Adaptor Holder Base

**LIL19672** 5 pc Adaptor Holder Inserts



**LIL19612**

### 8 Quart Dispenser with Lid and Cap

- Spout cap and lid to keep out contaminants
- Works great to transport bulk oil
- Translucent polyethylene material enables the user to read the oil level on the container up to eight quarts and is marked in both quarts and liters
- Flexible, removable 8" pouring spout enables easy transfer of liquid

**LIL19702**

### Replacement Parts:

**LIL19682** Lid

**LIL19692** Spout Cap



**LIL19702**

### 6 Quart Oil Dispenser

- Translucent (see through) polyethylene material enables the user to read the liquid level on the container
- Marked in both quarts and liters
- Flexible 8" pouring spout enables easy transfer of liquid

**LIL19732**

**LIL19742** Spout and Black Ring



**LIL19732**

### Threaded Oil/Transmission Funnel

- Hands-free filling on threaded valve cover openings
- 2 pc design can be used separately or threaded together for a long super funnel
- Larger section screws into threaded oil filler openings found on many Ford® pickup trucks and Dodge®, Jeep® and Chrysler® vehicles, mini vans and SUVs
- Holds the funnel upright for quick, mess free oil fills
- Diameter of the smaller funnel is narrow enough to fit even the smallest applications including transmission filler holes

**LIL19802**



**LIL19802**

**Blue Adaptor 3**  
**LIL23140**



**LIL23140**

**VW® Cap**  
**LIL23180**



**LIL23180**



# Lubrication and Fluid Management

## Fillers/Spouts/Funnels

### Spill-Free® Funnel

- Improved by adding an extra 45° elbow, a 5" extension and a new E adaptor
- The E adaptor is used on the surge tanks on many Ford® vehicle applications
- 45° elbow allows use on radiator caps that are placed at an angle
- Extension allows access to caps located under shrouds or in fender wells
- Controls the proper amount of coolant entering system and enables unattended filling of the cooling system
- Eliminates squeaky belts caused by coolant overflow and protects the environment
- Five (5) adaptors fit most US and import cars, light trucks and Ford® vehicles

**LIL24680**

**Also Available:**

**LIL21920** Lid for Spill-Free® Funnel

**LIL22210** Funnel

**LIL22280** 45° Elbow

**LIL22300** Fluid Stopper

**LIL22330** Large Cap A

**LIL22340** Medium Cap B

**LIL22410** Small Cap C

**LIL24640** Threaded Cap D for GM®

**LIL24670** 5" Straight Extension



### Spill-Free® Funnel

- Clear funnel allows a quick visual check
- Eliminates trapped air pockets
- Controls the proper amount of coolant entering system and enables unattended filling of the cooling system
- (5) different colored radiator adaptors and (5) caps to fit most cars, pickups, trucks and many farm tractors
- Straight extension and (2) 45° elbows for angled and hard-to-reach applications

**LIL24970**



### ATF Refill Adaptor Kit for Ford® Vehicles

- Quickly converts the VAC201 Fluid Evacuator Plus into a professional tool for refilling most Ford® sealed automatic transmissions

**Kit Includes:** Ford® ATF refill adaptor (LSLMVA580), 5' (1.5 m) long clear hose assembly, push-to-connect style quick-change coupler that quickly snaps and releases from refill adaptor and built-in shut-off valve to prevent spills. Brass ball valve allows independent control of fluid flow to the transmission

**LSLMVA7212**

**LSLMVA7214**



### ATF Refill Adaptor Kit for Ford® Vehicles

- Quickly converts the VAC201 Fluid Evacuator Plus into a professional tool for refilling most Ford® sealed automatic transmissions
- Brass ball valve allows independent control of fluid flow to the transmission

**Includes:** Ford® ATF Refill Adaptor (LSLMVA580), 5' (1.5 m) long clear hose assembly, push-to-connect style quick-change coupler that quickly snaps and releases from refill adaptor and built-in shut-off valve to prevent spills

**LSLMVA7216**

**Kit Includes:**

**LSLMVA580** Ford® Vehicles ATF

**LSLMVA581** Toyota® Vehicles ATF

**LSLMVA582** Angled ATF (BMW®, Honda® and Nissan® Vehicles)

**LSLMVA583** VW® Vehicles ATF Short

**LSLMVA584** VW® Vehicles ATF Long

**LSLMVA585** VW® Vehicles ATF



**LSLMVA7216**

**LSLMVA586** VW®/Audi® Vehicles ATF

**LSLMVA587** Audi® Vehicles ATF

**LSLMVA588** Mercedes® Vehicles ATF

**LSLMVA589** Volvo® Vehicles ATF

**LSLMVA7210** ATF Basic Hose Kit

### Fluid Dispensing System

- Designed for topping-off fluid reservoirs including master cylinders, gear boxes, transmissions, power steering reservoirs, etc.
- Convenient 1 gal size and 5' long hose with dispensing wand and flow control valve make it ideal for accessing hard-to-reach reservoirs and fill plugs
- For transmission refill and pressure bleeding applications
- Compatible with a wide selection of Mityvac® ATF and pressure bleed adaptors

**LSLMV6400**

**LSLMV6400**



### ATF Refill System

- Combines the Mityvac® Fluid Dispenser and ATF refill adaptor kit to provide a complete system for servicing sealed automatic transmissions
- Allows operator to fill or top-off transmissions with up to 1 gal of fluid
- Pressurized operation frees the operator from continual pumping

**LSLMV6410**

**Includes Adaptors:**

**LSLMVA580** Ford® Vehicles ATF

**LSLMVA581** Toyota® Vehicles ATF

**LSLMVA582** Angled ATF (BMW®, Honda® and Nissan® Vehicles)

**LSLMVA583** VW® Vehicles ATF Short

**LSLMVA584** VW® Vehicles ATF Long

**LSLMVA585** VW® Vehicles ATF

**LSLMVA586** VW®/Audi® Vehicles ATF

**LSLMVA587** Audi® Vehicles ATF

**LSLMVA588** Mercedes® Vehicles ATF

**LSLMVA589** Volvo® Vehicles ATF



**LSLMV6410**



# Lubrication and Fluid Management

## Fillers/Spouts/Funnels

### Funnel Storage System

- Keeps funnel where you can find it and free of dust
- Safely drains all residual fluids into the collection bottle for proper disposal
- Mounts to most surfaces, including toolboxes
- Transparent funnel and collection bottle are included

### WHTFB

WHTFBFNL Funnel Replacement



WHTFB

## Filter Pliers

### Mega Gripper® Filter Pliers, 2-4-1/2"

- Tremendous gripping force with 32 biting teeth that grab onto the filter
- Two-position slip-joint handle easily adjusts to fit different size filters
- Dual durometer non-slip grip
- 11" / 14" overall length
- Jaws open from 2-4-1/2" wide
- The unique angle of these pliers allow you to reach around hot exhaust manifolds without burning your arms

LIL50550



LIL50550

## Filter Pliers

### 3" Mega Gripper® Filter Pliers

- Up to 5-1/2" jaw capacity
- 14" overall length
- 32 biting teeth that grab onto the filter
- Slip-joint handle
- Dual durometer nonslip grip

LIL50720



LIL50720

## Filter Tools

### Oil Filter Plug for Cummins®

- This 64 mm 14 flute Toyota® oil filter wrench fits Toyota®, Lexus®, and Scion® vehicles equipped with a 1.8 L 4-cylinder engine that uses the newer cartridge style oil filter system
- 14" overall length
- 32 biting teeth that grab onto the filter
- Slip-joint handle
- Dual durometer nonslip grip

### Specifications:

1/2 HP Oilless Compressor Recovery Rate:

- R134a
- Direct vapor up to .537 lb/min
- Direct liquid up to 4.72 lb/min
- Push pull up to 11.68 lb/min

Operating Temperature: 32—122 °F

Weight: 28.3 lb

Dimensions: 18 (l) x 10 (w) x 14" (h)

LIL57180



LIL57180

## Fluid Transfer Service Equipment

### BrakeMate Jr. Brake Flush Machine

- Provides clean brake fluid at variable pressure to master cylinder
- Able to handle high pressure hybrid vehicle brake systems
- Complete set of master cylinder adaptors in storage case included
- Pressure regulator and gauge to set proper fluid pressure
- 3 qt new fluid storage tank

ADK98002

### Replacement Parts:

ADK941416 Complete Set of Adaptors

ADK941585W Nissan® Vehicles Adaptor

ADK941588W Chrysler® Vehicles Adaptor 3-Tab

ADK941589W Ford® Vehicles Adaptor 2-Tab

ADK941590W GM® Vehicles Adaptor 3-Tab

ADK941591W Ford® Vehicles Adaptor 3-Tab

ADK941592W European Adaptor

ADK941593W Universal Adaptor Round

ADK941594W Honda® Vehicles Adaptor Small

ADK941596W Honda® Vehicles Adaptor Large

ADK941597W Toyota® Vehicles Adaptor Large

ADK941599W GM®/Chrysler® Vehicles Twin Cylinder

ADK945015 Catch Bottle

Also Available:

ADK945019 Fluid Extraction Device



ADK98002

### Air Operated Coolant Machine with Vacuum Fill

- Performs full flush service
- Performs vacuum and fill service
- Quick seal couplers
- Fast and efficient engine off process
- Air powered
- (7) gal tank capacity

ADK98012



ADK98012

### In-Line ATF Exchanger

- Large 2.5 GPM pump can perform service on cars, trucks and buses
- Easy-to-use LCD control panel
- Power loss memory
- Flow diverter eliminates the need to change line when switch indicator comes on
- Large 35 qt capacity tanks
- Works on 12 V power

ADK98018

ADK40100018 Lexus® Vehicles Adaptor

ADK40100035 Ford® Transit® Vehicles Connect Adaptor

ADK40100038 Chevy® Full Size Vehicles Adaptor

ADK40100039 Ford® Escape® Vehicles Adaptor

ADK40200275 Mercedes® Vehicles Female Adaptor

ADK40200276 Mercedes® Vehicles Male Adaptor



ADK98018

# Lubrication and Fluid Management

## Fluid Transfer Service Equipment

### In-Line ATF and Dipstick Exchanger

- Fastest dipstick service
- Large 2.5 GPM pump can perform service on cars, trucks and buses
- Easy-to-use LCD control panel
- Power loss memory
- Flow diverter eliminates the need to change line when switch indicator comes on
- Large 35-qt capacity tanks
- Works on 12 V power

#### ADK98019

**ADK40100018** Lexus® Vehicles Adaptor

**ADK40100035** Ford® Transit® Vehicles Connect Adaptor

**ADK40100038** Chevy® Full Size Vehicles Adaptor

**ADK40100039** Ford® Escape® Vehicles Adaptor

**ADK40200275** Mercedes® Vehicles Female Adaptor

**ADK40200276** Mercedes® Vehicles Male Adaptor



ADK98019

### In-Line ATF Exchanger with Power Steering

- In-line exchanger with integrated power steering
- Large 2.5 GPM pump can perform service on cars, trucks and buses
- Easy-to-use LCD control panel
- Power loss memory
- Flow diverter eliminates the need to change line when switch indicator comes on
- Large 35-qt capacity tanks
- Works on 12 V power

#### ADK98020

**ADK40100018** Lexus® Vehicles Adaptor

**ADK40100035** Ford® Transit® Vehicles Connect Adaptor

**ADK40100038** Chevy® Full Size Vehicles Adaptor

**ADK40100039** Ford® Escape® Vehicles Adaptor

**ADK40200275** Mercedes® Vehicles Female Adaptor

**ADK40200276** Mercedes® Vehicles Male Adaptor



ADK98020

### Inline ATF and Dipstick Exchanger with Power Steering

- Fastest dipstick service
- Large 2.5 GPM pump can perform service on cars, trucks and buses with integrated power steering
- Easy-to-use LCD control panel
- Power loss memory
- Flow diverter eliminates the need to change line when switch indicator comes on
- Large 35-qt capacity tanks
- Works on 12 V power

#### ADK98021

**ADK40100018** Lexus® Vehicles Adaptor

**ADK40100035** Ford® Transit® Vehicles Connect Adaptor

**ADK40100038** Chevy® Full Size Vehicles Adaptor

**ADK40100039** Ford® Escape® Vehicles Adaptor

**ADK40200275** Mercedes® Vehicles Female Adaptor

**ADK40200276** Mercedes® Vehicles Male Adaptor



ADK98021

### Vacufill™

- The most economical coolant exchanger on the market
- Connects easily to all engine cooling systems
- Tests for leaks while under vacuum
- Refills the entire system in seconds while eliminating airlocks
- Large 3 gal new coolant fill tank
- Large 12 gal waste coolant reservoir

#### UVU570000

Includes:

#### UVU570000X

**UVU98037360** Radiator Neck Rubber Stopper

**UVU98063000** Fill Tank Cover

**UVU98063100** Extraction Hose Assembly

**UVU98063150** Fill Tank Filter

**UVU98063300** 8" Fill Tank Tube

**UVU98063450** O-ring for Fill Tank

**UVU98064600** Drain Valve

**UVU98064750** Base Plate

**UVU98064950** 4" Wheel Assembly

**UVU98066850** Vacuum Gauge 2-1/2"

**UVU98067750** Extension Tubes Per Foot



UVU570000

## Grease Gun Adaptors/Accessories



LSL1201

### 12 V NiCad Rechargeable Battery

- For use with the LSL1242/LSL1244 cordless grease gun
- Easily snaps in place for use
- Dispenses three tubes of grease under normal conditions

#### LSL1201



LSL1210

### AC Charger for the Lincoln® 12 V Powerluber Battery

- 1 hour fast charger
- For use with LSL1201 battery

#### LSL1210

### 30" Powerluber Whip Hose

- Replacement whip hoses for LSL1242/LSL1244 cordless grease gun
- Flex hose with dual spring guards for easy grip and hose protection
- 7,500 PSI working pressure

#### LSL1230 30" Whip Hose

**LSL1401** 14.4 V Battery for LSL1442 and LSL1444

**LSL1410** 110 V "Smart Charger" for 14.4 V Battery

**LSL1815A** DC Charger for 14.4 V and 18 V Battery



LSL1230



LSL1401



LSL1410



LSL1815A

# Lubrication and Fluid Management

## Grease Gun Adaptors/Accessories

### 18 V Lithium Ion Battery Charger

- Accepts Lincoln® Li-Ion 18 V battery (LSL1861)
- One hour charge time
- Switches off automatically after charging to prevent over-charging
- Can use to recharge battery at any time without creating a memory effect
- Protects battery cells from damage
- LED display indicates charge in progress

**LSL1850**



### Heavy-Duty Lube Accessory Kit

- Simplifies the task of lubrication
- Reduces lube time
- Eliminates the need to swap out fittings
- Eliminates the time required to unthread and rethread couplers
- All accessories utilize high tolerance locking sleeves
- Kit contains seven most popular Lincoln® lube accessories
- Heavy duty recloseable case

**Kit includes:** Quick connect – Press on 90° Lube Tool; Quick connect – Straight Extension; Quick connect – 12" Hose Extension LSL5884; Quick Connect – Slide on 90° Coupler; Quick connect – Rubber Tipped Nozzle Quick connect – Needle Nozzle; Quick connect – 360° Coupler

**LSL58000**



### Grease Injection Tool

- Provides a solution to noisy sealed bearings, joints, chassis pivot points, dry splines, etc.
- Allows access into difficult-to-reach areas
- Includes a quick-connect coupler to limit grease by-pass
- Includes a threaded protective cap that removes and reattaches safely and easily
- Quickly attaches to all three- and four-jaw grease couplers

**LSL5807**



### Right Angle Grease Coupler

- Special seal and slot provide 90° access
- Fits standard grease guns
- May be used as a general-purpose grease coupler
- Now available in bulk, 12 couplers to a plastic container
- Perfect for confined areas, like lower ball joints
- Couplers fit all standard grease guns

**THX418**

**THX418-12** (12 pk)



### Professional Lubrication Kit

- Right angle coupler
- 12" flex hose with 1/8 NPT fittings
- Quick change adaptor

**THX444**



### MegaBoost® Grease Coupler

- High-pressure grease coupler capable of handling 10,000 PSI
- Four-jaw super grip type coupler has hardened and precision-fit jaws for better grip and durability
- 1/8" NPT threads
- Through-type grease coupler design: no check ball
- Specifically for MegaBoost® grease gun WEEL1185

**WEEL2015**



## Grease Guns

### Professional Series Grease Gun

- Dual leverage feature
- Simple quick priming
- 7,500 PSI (517 bar)
- Heavy duty follower spring to maintain prime
- Exclusive dual leverage feature: volume or pressure mode
- Universal follower for cartridge and bulk use

**ALR555**



### Automatic Pneumatic Grease Gun

- Designed to simplify the task of lubrication; full automatic, continuous operation
- Patented pump design ensures uninterrupted grease flow
- Ergonomic styling provides comfort and balance
- 30" high-pressure hose with coupler and attachment clip provide easy access to lube points
- Operating on shop air ranging from 40–150 PSI, supplies high flow rates at low and medium pressures for quick filling or high pressures for tight joints, clogged fittings and track adjustments

**LSL1162**





# Lubrication and Fluid Management

## Grease Guns

### PowerLuber® 12 V Cordless Rechargeable Grease Gun

- Lightweight, ergonomic design, "Pull the Trigger" lubrication
- Continuous operation for fast service
- 6,000 PSI pressure relief valve prevents motor overload
- High capacity battery for extended operation
- Includes one hour fast charger and carrying case
- 30" whip hose with dual spring guard

**LSL1242** (1) Battery

**LSL1244** (2) Batteries



**LSL1242**

### 12 V Lithium Ion Battery Operated Grease Gun

- Stable 3-point stance keeps the tool upright and within reach
- Built-in LED illuminates dimly lit areas
- Max pressure: 8,000 PSI
- 30" (76 cm) hose
- Charge level indicator on battery

**LSL1262** One Battery

**LSL1264** Two Batteries

**LSL1261** Replacement Battery



**LSL1262**

### 14.4 V Grease Gun

- Powerful 2-speed motor to meet your individual needs
- High volume delivers 2.5 times the output
- High-pressure setting clears clogged fittings to help open tough fittings with up to 4 oz per minute delivery
- Dispenses up to 12 cartridges from a single battery charge
- New cycle indicator pin monitors grease output
- Built-in motor overload protection with reset breaker
- "Smart" charger recharges batteries in less than one hour and maintains battery condition so grease gun is ready to go
- Ergonomic design with a comfort grip handle for user-friendly operation

**LSL1442** Kit with (1) Battery

**LSL1444** Kit with (2) Batteries



**LSL1442**



**LSL1444**

### Heavy-Duty Mini Grease Gun Kit

- Includes pipe and 12" hose for maximum versatility
- Textured barrel and coated handle for a no-slip grip
- Ability to switch between top and side output
- 4,500 PSI working pressure

**LUB30-800**



**LUB30-800**

### Standard Duty Lever Grease Gun

- Equipped with Speed Threads for quicker loading
- Speed threads minimize cross-threading resulting in less down time
- Textured barrel and coated handle for a no-slip grip
- Includes 6" angled pipe and air bleeder valve
- 6,000 PSI working pressure

**LUB30-801**



**LUB30-801**

### Pro/Heavy-Duty Lever Grease Gun

- Equipped with speed threads for quicker loading
- Speed threads minimize cross-threading resulting in less down time
- Lightweight aluminum barrel reduces fatigue
- Includes 6" angled pipe, air bleeder valve and bulk loader
- 7,000 PSI working pressure

**LUB30-802**

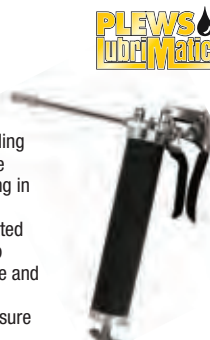


**LUB30-802**

### Standard Duty Pistol Grease Gun

- Equipped with speed threads for quicker loading
- Speed threads minimize cross-threading resulting in less down time
- Textured barrel and coated handle for a no-slip grip
- Includes 6" straight pipe and air bleeder valve
- 6,000 PSI working pressure

**LUB30-803**



**LUB30-803**

### SnapLock® Lever Grease Gun

- Threadless lever style grease gun
- Output 1.5 oz in 40 strokes
- Lightweight aluminum barrel reduces fatigue
- Includes 6" angled pipe, 18" hose, and 4-jaw coupler
- 10,000 PSI working pressure
- Features a quarter turn design and push down unlocking mechanism

**LUB30-806**



**LUB30-806**

### SnapLock® Pistol Grease Gun

- Threadless 1/4-turn design eliminates cross-threading
- Provides quicker loading to get the job done faster
- Lightweight aluminum barrel reduces fatigue
- Includes 5-1/2" straight pipe, 18" hose, air bleeder valve and bulk loader
- 8,000 PSI working pressure

**LUB30-807**



**LUB30-807**



## Grease Guns

### HD Grease Gun With Flex-Rigid Extension

- Flexzilla® 18" grease hose extreme cold-weather flexibility (subzero to 140 °F)
- Soft barrel grip provides better ergonomic control and comfort
- Heavy-duty cast head construction for maximum durability and longer service life
- Durable follower rod and spring for consistent priming
- Bleeder valve for purging unwanted air

**WEEL1355FZ**



**WEEL1355FZ**

### Lock-n-Load™ 12 V Battery Operated Grease Gun

- Lock-n-Load™ threadless quick connect aluminum barrel – reloading grease is two times as fast compared to the competition
- Automatic bleeder – bleeds air when reconnecting barrel to head, reduces air locks and priming problems
- Safety switch – reduces accidental discharge of grease
- Whip holster – permits user to secure grease whip while changing cartridges
- Relief valve, storage hook, powerful 12 V motor
- Holds 14 oz grease cartridge
- Delivers up to 6,000 PSI
- Three-way loading: bulk, filler nipple, cartridge

**Includes:** Battery charger and (2) 12 V batteries, durable carrying case for long-lasting protection and storage, shoulder strap, 30" flexible extension



**WEEL1380L**

**WEEL1380L** Lock-n-Load™ 12 V Grease Gun

**WEEL1380-B** Replacement 12 V Battery

**WEEL1380-C** Replacement 12 V Battery Charger

**WEEL2010** 4-Jaw High-pressure (6,000 PSI) Coupler

**WEERP004087** Replacement 30" Grease Whip

### Flexzilla® 20 V Cordless Grease Gun Kit

- Rapid Reload™ push button technology for fast cartridge loading and unloading
- Includes lightweight threadless grease barrel
- Flexzilla® grease hose 42" extreme cold-weather flexibility (subzero to 140 °F) non-kink bend restrictor
- LED light illuminates workspace
- Ergonomic grip
- Non-slip pads stabilize gun when standing up and lying on its side. Ideal for tight spaces

**WEEL1388LFZ**



**WEEL1388LFZ**

### Lock-n-Load™ Continuous Flow Air Powered Grease Gun

- Lock-n-Load™ threadless quick connect barrel allows you to reload grease in half the time compared to other grease guns
- 40:1 Ratio continuous flow air motor
- Automatic Bleeder: bleeds air when reconnecting barrel to head—reduces air locks and priming problems
- Heavy-duty Die-cast Head Construction: for maximum durability and longer service life
- 3-Way Loading: cartridge, bulk, filler nipple
- Lightweight Aluminum Barrel with Firm Grip Knurling: for better grip and durability—ergonomic T-grip follower handle
- Post Piston Bleeder: allows you to initially prime the gun and to regain prime easily—bleeder valve for purging unwanted air



**WEEL1466L**

- Durable follower rod and spring for consistent priming—non-slip knurled aluminum barrel for better grip
- Includes: 4-Jaw coupler for better grip and longer service life, 36" flexible grease hose for hard to reach grease fittings and 6 in. straight extension, industrial interchange MNPT plug
- Holds 14 oz grease cartridge—35 strokes per ounce

**WEEL1466L**

## Oil Cap

### Universal Oil Cap

- Oil caps on Toyota®, Nissan®, Hyundai® and many import vehicles are made of plastic and are most difficult to remove
- Easily removes oil caps without damaging them
- Slotted end fits Toyota® vehicle and most single fin caps
- Double-prong side fits into slotted notched sides of Nissan® caps
- Use it every day checking and changing oil
- Patent pending

**KCT265**



**KCT265**

## Oil Filter Drain

### Oil Filter Housing Drain for VW® Vehicles

- Prevents spillage during oil filter change and allows for drainage of oil from the filter housing

**Applicable:**

2005–2006 VW® and Audi® model vehicles with the new 2.0 L turbo and the 2.5 L inline 5-cylinder VW® engine

**ASTT40057**



**ASTT40057**

## Oil Filter Wrenches

### Universal Oil Filter Wrench

- Designed to fit oil filters for all US and imported compact, mid-size and standard size automobiles
- Self-adjusting wrench will fit all filters 2-1/2–3-13/16" in diameter
- Ideal for hard-to-reach filters
- Works with a 3/8" square drive socket wrench
- CA residents see page 365 for Proposition 65 warning. ⚠

**AEM635A**



**AEM635A**

### 7 pc Oil Filter Tool Set

**Set Includes:**

AST2136 – 27 mm Oil Filter Socket, AST2132 – 32 mm Oil Filter Socket, AST2136 – 36 mm Oil Filter Socket, AST2175 – 74.5 mm Oil Filter Socket, ASTM0219 – 74 mm Oil Filter Wrench, ASTM0284 – 84 mm Oil Filter Wrench, ASTV410 – 86.5 mm Oil Filter Wrench

**Applicable:**

Mercedes-Benz®, VW®/Audi®, BMW®, Saturn®, Toyota®, Mazda®, GM®, Ford® Escape® Hybrid, Dodge® Sprinter®, Jeep® and Volvo® vehicles

**AST2101**



**AST2101**

# Lubrication and Fluid Management

## Oil Filter Wrenches



### 24 mm Oil Filter Socket

- 24 mm with 6 flats
- Steel construction

#### Applicable:

BMW® 545 [2004-2005], 550 [2006-2010], 645Ci [2004-2005], 650i [2006-2010], 745i [2002-2005], 745Li [2002-2005], 750i [2006-2008], 750Li [2006-2008], Alpina B7 [2007-2008], X5 [2004-2010]; Chevrolet® Trax [2015]; Chrysler® 200 & 300 [2011-2013], Town & Country [2011-2016]; Dodge® Avenger® [2011-2016], Caravan® [2011-2019], Challenger® [2011-2019], Charger® [2011-2019], Durango® [2011-2019], Grand Caravan® [2011-2013], Journey® [2011-2019]; Jeep® Grand Cherokee® [2012-2019], Wrangler® [2012-2019]; Maserati® Ghibli; Saturn® Astra

**AST2124**



**AST2124**

### 27 mm Oil Filter Wrench for Mercedes® Vehicles

- 3/8" drive, for R&R of oil filter

#### Applicable:

BMW® 535d [2014-2015] 740Ld [2015], X5 35d [2014-2015]; Dodge Dart® [2012-2013]; Fiat® 500, 500c [2012-2013]; Ford® F-150 2.7L EcoBoost® [2015-2016], F-150 3.0L Power Stroke® [2019-2019]; Hyundai® Azera® [2009-2012], Equus [2011-2013], Genesis® [2008-2013], Santa Fe®, 3.3L [2009], Sonata®, 3.3L [2009], Veracruz® [2007-2013]; KIA® Amanti 3.8L V6 [2007-2009], Borrego® 3.8L V6 [2009-2012], Cadenza® [2014-2018], Sedona® 3.3L V6 [2016-2018], Sorento® [2007-2018]; Mercedes® C300 [2015] (204 Chassis); Mini Cooper® [2007-2015]

**AST2127**



**AST2127**

### 32 mm Oil Filter Socket

#### Applicable:

Audi® A4® [2017], Q3 [2015-2016], S3 [2015-2016]; BMW® 230i [2017], 330i [2017], 335d [2009-2011], 340i [2017], 430i [2017], 530i [2017], 540i [2017], 740i [2017], M240i [2017], X1 [2016-2017], X5® 35d [2009-2013]; Chevrolet® Cobalt® [2007-2010], Impala® [2014], Malibu® [2007-2014]; Land Rover® Range Rover® 3.0L Diesel [2016-2017]; Maserati® Quattroporte® [2013-2014]; Volkswagen® Golf and Jetta®, 2.0 L TDI [2011-2016]

**AST2132**



**AST2132**

### 3/8" Drive, 36 mm Oil Filter Wrench

#### Applicable:

Audi® Q7 3.6L; BMW® M52, M60, M62, M70 and M73 engines; Ford® F-250®, F-350® 6.0L turbo diesel; Mercedes® OM604, 605 and 606 diesel; MINI Cooper® S [2002-2006]; Porsche® 911, Boxster®, Cayenne® and Panamera® [2009-2016]; Volkswagen® Corrado, Eurovan VR6, Golf® R32 3.2L VR6, Jetta® 2.0L Turbo, Jetta 2.8L VR6, Passat® 2.8L VR6, Touareg®; Volvo® models with 36mm hex molded into the oil filter cap [2007-newer]

**AST2136**



**AST2136**



**AST2175**

### 74.5 mm Oil Filter Wrench for BMW® Vehicles

- 3/8" drive, for R&R oil filter

#### Applicable:

BMW® M44 engine; Mercedes® 2.1L TDI [2014 and Newer], Porsche® 924 and 944; Volkswagen® 2.5L [2005-2014]

**AST2175**



**ASTBM1276**

### Oil Filter Wrench

- (76 mm, 12 flutes) 3/8" drive

#### Applicable:

R&R of oil filter on BMW® motorcycles 2007–2014 with oil filter #11 42 7 673 541; R&R of Mercedes® vehicles OEM oil filters with 12 flutes

**ASTBM1276**



**ASTHD1674**

### Oil Filter Socket for Harley Davidson® Motorcycles

- 74 mm, 14 Flats
- Aluminum construction
- Machined, window design clears the crank sensor
- Made in USA

#### Applicable:

- For use on 1984–1995 Harley-Davidson® Softtails

**ASTHD1674**

### Oil Filter Wrench Jaguar® Vehicles

- 90 mm, 5 flats with 3/8" drive

#### Applicable:

Jaguar® vehicles: (2010–newer) XJ®, XJL®, XK®, XKR®, XF®, XFR® and XKR® models; Land Rover® vehicles: (2010–newer) LR4®, Range Rover® and Range Rover® Sport® vehicles

**ASTJA19015**



**ASTJA19015**

### Oil Filter Wrench for Jaguar® Vehicles

- 14 flats

#### Applicable:

Used on oil filters for the following: 2017 Jaguar® 2.0L Diesel, Honda®, Nissan® and powersports vehicles that utilize HG303 oil filters (including Honda®, Polaris®, Kawasaki® and Yamaha®)

**ASTJAS6514**



**ASTJAS6514**

## Oil Filter Wrenches



### Oil Filter Wrench

- 74 mm, 14 flats
- Made in USA

#### Applicable:

Audi® – A4® 2.0 (turbo) [2009–2016], Audi® – Q5® 2.0 (turbo) [2012–2016]; BMW® Motorcycles F650, F800, K75, K100, K1100, K1200GT [2003–2004], K1200LT, K1200R, K1200RS [1996–2004], K1200S, K1300, R850, R1100, R1150, R1200C, R1200CL, R1200GSW [2013–2014], S1000RR; Dodge® Avenger® [2012–2013], Caliber® [2012], Dart® [2013], Sprinter® (gas engines) [2003–2009]; Ford® Escape® [2006–2008], Fusion® [2006–2008], Focus® [2004–2007]; Jaguar® – XE and XF 2.0L Turbo [2017]; Land Rover® Range Rover® Evoque [2013–2017]; Mazda 3® [2004–2009], 5 [2006–2011], 6 [2003–2009], CX-7® [2007–2009], Mazdaspeed 3 [2007–2009], Mazdaspeed 6 [2006–2007]; Mercedes® engines M104 [1989–1999],

M119 [1989–1999], M111 [1992–2003], M112 [1998–2006], M113 [1997–2010], M120 [1991–2002], M137 [1998–2002], M155 [2004–2006], M272 [2005–2015], M273 [2006–2015], M275 engine [2003–2014], M276 engine [2010–2015], M285 engine [2003–2012]; Porsche® 911 [1999–2008], Boxster® [1997–2008], Cayman [2005–2008]; Toyota® 4Runner® [1985–2002], Avalon® [1995–2002], Camry® [V6] [1988–2004], Highlander® V6 [2001–2010], Previa® [1991–1997], Sienna® [1998–2007], Solara® [V6] [1999–2009], Supra® [1979–1998], T100 [1993–1998], Tacoma® [1995–2012], Tundra® [2000–2004]; Volkswagen® Beetle® 2.5L [2005–2014], CC [2009–2013], EOS [2009–2013], Golf [1999–2005], GTI [2008], Jetta® 1.4 Turbo [2016], Tiguan® [2009–2016]

#### ASTM0219



ASTM0219



ASTM0284

### 84 mm Oil Filter Wrench

- 84 mm with 14 flats, 22 mm hex
- Metal construction
- Made in USA

#### Applicable:

2007 Sprinter®, Mercedes® and Jeep® vehicles with V6 diesel engines

#### ASTM0284



ASTSU8015

### Oil Filter Wrench

- 3/8" drive
- Metal construction
- 80 mm, 15 flats

#### Applicable:

Subaru® vehicles with the H6 using factory oil filter #15208AA031, Hyundai® vehicles with 4 cylinders and Nissan® vehicles using filter #15208H8903 and #1520855Y00 (found in older Sentra® vehicles and trucks); Fits Kia® models: 2003–2006 and 2008 Sorento®, 2004–2006 Amanti®, 2010 Forte® (4 door), 2001 and newer Optima®, 2006 and newer Rio® (4 and 5 door), 2007 and newer Rondo®, 2002–2005 Sedona®, 2010 Soul®, 2004.5 and newer Spectra® (4 and 5 door), 2005 and newer Kia® Sportage® vehicles

#### ASTSU8015



ASTTOY300

### Oil Filter Wrench Set for Toyota® Vehicles

#### Set Includes:

ASTTOY640, ASTTOY730 and ASTM0219

#### Applicable:

Every gas engine Toyota® model vehicle covered between 1983–2006. Other applications of ASTTOY640 include the new style oil filter housing cap on 2005 Toyota® Avalon® vehicle and the 2006 Lexus® GS300®.

#### ASTTOY300

### Oil Filter Wrench for Toyota® Vehicles

- 3/8" drive used for R&R of oil filter
- Made in USA

#### Applicable:

Lexus® CT 200h [2011–2016], ES 350 [2007–2018], GS 300 [2006–2018], GS 350 [2007–2018], GS 450h [2007–2018], GS 460 [2008–2011], GX 460 [2010–2018], HS 250h [2010–2013], IS 250 [2006–2010], IS 250 C [2010–2016], IS 350 [2006–2018], IS 350 C [2010–2016], IS F [2008–2014], LS 460 [2007–2016], LS 600h [2008–2016], LX 570 [2008–2018], RX 350 [2007–2018], RX 450h [2010–2018];

Scion® tC [2005–2016], xA [2004–2006], xB [2004–2016], xD [2008–2013]; Toyota® 4Runner® [1985–2019], Avalon® [1995–2019], Camry® [1983–2019], Corolla® [1983–2019], Echo® [2000–2005], FJ Cruiser® [2010–2014], Highlander® [2001–2019], Prius® [2001–2019], Matrix® [2003–2014], MR2 [1985–2005], Paseo [1992–1997], RAV4® [1996–2019], Sequoia® [2009–2016], Sienna® [2007–2019], Solara® [1999–2009], Tundra® [2007–2019], Venza® [2009–2016] and Yaris® [2006–2019]

#### ASTTOY640



ASTTOY640



ASTTOY647LG

### 64 mm Large Oil Filter Wrench for Toyota® Vehicles

- Oil filter wrench for use with 2005 and newer Toyota®; V6 and V8 engines

#### ASTTOY647LG

### Oil Filter Wrench for Toyota® Vehicles

#### Applicable:

Lexus® ES 250 [1990–1991], ES 300 [1992–2003], ES 300h [2013], ES 330 [2004–2006], GS 300 [1993–2005], GS 400 [1998–2000], GS 430 [2001–2004], GX 470 [2004–2009], IS 300 [2001–2005], LS 400 [1990–2000], LX 430 [2001–2006], LX 450 [1996–1997], LX 470 [1998–2007], RX 300 [1999–2003], RX 330 [2004–2006], RX 400h [2006–2008], SC 300 [1992–2000], SC 400 [1992–2000], SC 430 [2002–2010]; Toyota® 4Runner® 4.0L & 4.7L [2003–2010], FJ Cruiser® 4.0L [2007–2010], Land Cruiser® [1993–2007], Sequoia® [2001–2009], Tacoma® [2005–2013], Tundra® [2000–2010]

#### ASTTOY730



ASTTOY730



ASTV410

### Oil Filter Wrench for Volvo® Vehicles

- Made in USA

#### Applicable:

BMW® engines N20 [2011–2017], N52 [2006–2012], N54 [2006–2012], N55 [2011–2017]; Volvo® All models except [2005] 40 & 50 Series [1999–2006]

#### ASTV410

# Lubrication and Fluid Management

## Oil Filter Wrenches

### GEARWRENCH

#### Square Drive Oil Filter Wrench

- For hard-to-reach areas
- Used in place of KDT190 to remove filters 3-7/16–3-3/4" (87–95 mm) in diameter
- To use, turn filter with 3/8" square drive tools
- Band will not crush filter

**KDT2029D**



**KDT2029D**

#### Heavy Duty Oil Filter Wrench

- Extra wide 3" band for better grip and reduced canister damage
- Not for use with impact guns

**KDT2320W** Fits Sizes: 4-1/8–4-21/31" (108–125 mm)

**KDT2321W** Fits Sizes: 4-21/32–5-5/32" (110–130 mm)

**KDT2322W** Fits Sizes: 5-5/32–5-21/32" (120–140 mm)



**KDT2320W**

### GEARWRENCH

#### Heavy Duty Truck Oil Filter Wrench

- Features a wider band for a better grip of filters and a stronger anchor plate for removal of excessively tight filters
- Designed for high-torque requirements of truck filters
- Use with a 1/2" square drive tool and extension
- 4-1/2–5-1/4"

**KDT2321**



**KDT2321**

#### Nylon Strap Oil Filter Wrench

- Use on oil filters up to a 6" (152 mm) capacity
- Strong nylon belt will not slip
- Use with 1/2" square drive tools

#### Caution:

Wear eye protection  
Do not use with power tools

**KDT3149**



**KDT3149**

### GEARWRENCH

#### XLG Swivel Filter Wrench

- Fits larger filters from 3-7/8–4-3/8" size (96–111 mm)
- Made of high-quality steel with zinc-plated yoke and blackened band for resistance to rust and corrosion
- Plastisol-dipped handle will not slide off in use
- Even hard-to-reach oil filters will come off easily with this swivel-handle oil filter wrench
- Unique yoke and link assembly allows a good grip, but will not crush the filter
- Swivel tension is adjusted easily using the nut and bolt on the handle

**KDT3527**



**KDT3527**

### KENT-MOORE

#### Oil Filter Wrench

- 15 flute
- 3" (76 mm) diameter

**KTMJ34027**



**KTMJ34027**

#### 7pc Filter Socket Set

- Contains 7 of the most popular size filter canister sockets to work on many applications
- Contains very low profile, 6 point 24 mm, 25 mm, 27 mm, 28 mm, 29 mm, 32 mm and 36 mm sockets for use on oil and fuel filter canisters when replacing the element
- Use with 3/8" drive
- CA residents see page 365 for Proposition 65 warning. ⚠

**LIL13270**

**LIL13280** 25 mm Filter Socket

**LIL13290** 28 mm Filter Socket



**LIL13270**



**LIL13280**



**LIL13290**



#### 5 pc Filter Socket Set

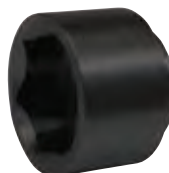
**LIL13310** 24 mm for Cadillac® and some BMW® Vehicles

**LIL13320** 27 mm for 2003 and Later Mercedes® 1.8 L, Smart and some VW® Vehicles

**LIL14500** 35/36 mm for Ford® 6.0 L Diesel Fuel and Oil Filter Housings, Mini Cooper® and some BMW® Vehicle Oil Filter Housings and Mack® Truck Oil Filter Housing

**LIL14600** 29 mm (1-1/8") for Dodge® Cummins® Fuel Filter Housing

**LIL14700** 32 mm (1-1/4") for GM® Ecotec®, 2.0 L, 2.2 L and 2.4 L 4 Cylinder Oil Filter Housing; Some Saturn® and Saab® Vehicles



**LIL14500**



**LIL14600**



**LIL14700**







## Oil Filter Wrenches



**LIL14700**

### Oil Filter Socket for 2.2L for GM® Vehicles

**LIL14700** 32 mm (1-1/4") for GM® Ecotec®, 2.0 L, 2.2 L and 2.4 L 4 Cylinder Oil Filter Housing; Some Saturn® and Saab® Vehicles



**LIL28500**

### Strap Wrench

- Loosen or tighten cylindrical or rectangular objects
- Handy, self-tightening strap wrench will not slip
- Works great for installing or removing timing belt sprockets or belt pulleys
- Range from 1–6-5/8" round
- Tensile strength of strap 1,350 PSI

**LIL28500**

**LIL28650** Strap



**LIL53200**

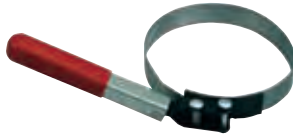
### Oil Filter Wrench For John Deere®

- Heavy duty "Swivel Grip"
- Range 4-3/4–5-3/16"
- Fits most John Deere® tractors
- Works on some Case®, Case/IHC®, Allis Chalmers® tractors and other farm implement products
- "Swivel Grip" handle makes it easy to turn in tight spots
- Tough, stainless steel band with special "teeth" for extra gripping power; will not slip
- Handle is made of tubular steel for added strength

**LIL53200**



**LIL54200**



**LIL54300**

### "Swivel Grip" Truck Oil Filter Wrench

- For truck size filters
- "Swivel Grip" handle makes it easy to turn in tight spots
- Tough, stainless steel bands with special "teeth" for extra gripping power; will not slip
- Handle made of tubular steel for increased strength

**LIL54200** For Cummins® and Detroit Diesel® 4-5/16–4-3/4"

**LIL54300** For Caterpillar® Engines, 5-1/4–5-3/4"



**LIL54400**

### Oil Filter Wrench "Swivel Grip" Small

- For smaller 2-3/8–2-5/8" oil filters
- Also fits fuel filters
- Tough stainless steel band with "special teeth" for extra gripping power; will not slip
- Special narrow 1/2" band fits in tight spots
- Handle swivels to clear obstructions and makes it easy to turn in hard-to-reach locations
- Vinyl covered handle
- Covers a range of 2-3/8–2-5/8" (60.3–66.7 mm)

**LIL54400**



**LIL61160**

### Toyota® Filter Wrench, 4-cylinder

- This 64 mm 14 flute Toyota® oil filter wrench fits Toyota®, Lexus®, and Scion® vehicles equipped with a 1.8 L 4-cylinder engine that uses the newer cartridge style oil filter system
- The wrench is designed to work on the flutes and the tabs at the same time, providing extra leverage to remove and install the canister
- Made out of forged steel

### Specifications:

1/2 HP Oilless Compressor Recovery Rate:

- R134a
- Direct vapor up to .537 lb/min
- Direct liquid up to 4.72 lb/min
- Push pull up to 11.68 lb/min

Operating Temperature: 32–122 °F

Weight: 28.3 lb

Dimensions: 18 (l) x 10 (w) x 14" (h)

- CA residents see page 365 for Proposition 65 warning. ⚠

**LIL61160**

### 17 pc Heavy Duty End Cap Wrench Set

- New style offers a solid steel cap that is welded to the surface for greater strength and turning power
- For use on the most popular US and import vehicles
- 64 mm, 14 flute end cap wrench for Toyota® vehicles which have been improved by adding heat-treated steel to the drive area and adding two solid welds to the surface to increase strength

**LIL61500** Set

### Set Includes:

- LIL61510** 45 Flute, 93 mm
- LIL61520** 14 Flute, 73 mm, 74 mm
- LIL61530** 15 Flute, 82 mm
- LIL61540** 14 Flute, 65 mm, 67 mm
- LIL61550** 15 Flute, 80 mm
- LIL61560** 15 Flute, 74 mm, 76 mm
- LIL61570** 14 Flute, 76 mm
- LIL61580** 15 Flute, 93 mm

**LIL61590** 36 Flute, 93 mm

**LIL61600** 14 Flute, 65 mm

**LIL61610** 14 Flute, 66 mm

**LIL61620** 15 Flute, 88.4 mm

**LIL61630** 18 Flute, 96 mm

**LIL61640** 14 Flute, 68 mm

**LIL61650** 30 Flute, 76 mm

**LIL61660** 16 Flute, 86 mm

**LIL61670** 15 Flute, 100 mm



**LIL61500**

# Lubrication and Fluid Management

## Oil Filter Wrenches

### End Cap Filter Wrench for Asian Vehicles – 74 mm/14 Flutes

- Cup design allows easy filter removal and installation from the end of the filter, even in tight locations
- Use with 3/8" drive

#### Applicable:

Asian vehicles such as Toyota®, Honda®, Nissan®, Suzuki®, Hyundai®, Kia® and more

**LIL61520** 14 Flute, 73 mm, 74 mm



LIL61520

### End Cap Filter Wrench for Toyota® Vehicles

- Added design for the 64 mm/65 mm diameter 14-flute oil filter canister
- Heat-treated metal disc to the drive area and adding two solid welds to the surface to increase strength
- Designed for metal and plastic Toyota® vehicle oil canister caps
- Works on several Toyota® vehicle applications

**LIL61600** 14 Flute, 65 mm



LIL61600

### Wide Range Filter Wrench

- Fits filters from 3-1/8–3-7/8"
- Large range enables this wrench to fit most standard size filters
- Steel jaws grip filter without slipping
- Works great in tight spots, since it works from the top of the filter
- Use with 3/8" drive

**LIL63250**

**LIL63630** Spring



LIL63250

### Filter Wrench Import Car

- Fits filters from 2-1/2–3-1/8"
- Removes all oil filters from 2-1/2–3-1/8" in diameter
- Extra-large range enables the LIL63600 wrench to fit most all import car filters plus the common 3" US car filters
- Steel jaws grip filter without slipping
- Works in tight spots from the front of the filter using 3/8" drive

**LIL63600**



LIL63600

### 3 pc Euro/GM® Oil Socket Kit

- Popular oil filter wrenches for the GM®, BMW®, Audi® and VW® vehicles
- High-quality, 3/8" drive, forged sockets designed to last a lifetime

**Kit Includes:** 27 mm socket for the Cadillac® vehicles STS 3.2L V6 and the Mercedes-Benz® vehicles 1.8L I4 32 mm socket for the 2.2L GM® Ecotec® and Saab® vehicles 36 mm for the BMW® vehicles M52, M60, M62, M70 and M73 engines; M-B OM604, 605 and 606 engines; VW/Audi® vehicles VR6 engine

**OTC6784**



OTC6784

### Oil Filter Socket 75.6 mm, 14 Flutes for Ford®, Mazda® and Toyota® Vehicles

- Designed at 75.6 mm to fit the new 2.3 L 4-cylinder engines

**Ford® and Mazda® Applicable:** Ford® Fusion®, Mercury® Milan®, Mazda 3®, Mazda 5® and Mazda 6® vehicles  
**Toyota® Applicable:** Avalon®, 2005–2007 V6 3.5L (2GR-FE), 1995–2004 V6 3.0 L (1MZ-FE); Camry®, 2007 V6 3.5L (2GR-FE), 2004–2006 V6 3.3L (3MZ-FE), 1994–2006 V6 3.0 L (1MZ-FE); Camry® Solara®, 2004–2007 V6 3.3L (3MZ-FE); Highlander® vehicle engines, 2004–2007 V6 3.3L (3MZ-FE) – also works on the hybrid version of this engine, 2001–2003 V6 3.0 L (1MZ-FE); RAV4®, 2006–2007 V6 3.5L (2GR-FE) Sienna® vehicle engines, 2007 V6 3.5L (2GR-FE), 2004–2006 V6 3.3L (3MZ-FE); 1998–2003 V6 3.0 L (1MZ-FE)

**OTC6903**



OTC6903

### Oil Filter Socket for Hyundai® and Kia® Vehicles

- 88.22 mm, 15 flutes

#### Applicable:

2006 Hyundai® Sonata® and Santa Fe® 3.3L V6 engines; 2007 Hyundai® Azera®, Veracruz® and Entourage® 3.8L V6 engines; 2007 Kia® Amanti®, Sedona® and Sorrento® 3.8L V6 engines

**OTC6904**



OTC6904

### Oil Filter Socket for Subaru® Vehicles

- 66.5 mm, 14 flutes
- Socket fits between the exhaust manifold and the oil filter for easy removal and installation of the filter

#### Applicable:

2003–newer Subaru® vehicles with the 2.5L 4 cylinder, turbo engine

**OTC6905**



OTC6905

## Oil Filter Wrenches



### 74 mm HD Oil Filter Tool

- Manufactured from heavy-duty chrome vanadium steel
- Will not slip and damage nylon oil filter housings
- Will not fail under heavy torque loads required to remove nylon oil filter housings
- 1/2" square drive and 24 mm hex

#### Applicable:

- All VW® models 2007–newer with 2.5 L diesel engine

**PVB71181**



**PVB71181**

### 36 mm HD Oil Filter Tool

- Manufactured from high strength chrome vanadium steel
- Will not slip and damage nylon oil filter housings
- Will not fail under heavy torque loads required to remove nylon oil filter housings
- 1/2" square drive and 24 mm hex

#### Applicable:

- All VW®/Audi® models 2005–newer with 2.0 L diesel engine

**PVB71182**



**PVB71182**

### Oil Filter Tool Kit for VW®/Audi® Vehicles

- Manufactured from high strength chrome vanadium steel
- Will not slip and damage oil filter housing
- Supplied in custom blow mold storage case
- 1/2" square drive
- 15/16" (24 mm) hex drive
- Includes oil filter drain hose

#### Applicable:

- Kit provides full cover for all VW® and Audi® vehicles

**PVB71185AB**



**PVB71185AB**

### Oil Filter Tool Kit for Toyota®/Lexus® Vehicles

- Includes oil filter drain hose
- Manufactured from high strength chrome vanadium steel
- Will not slip and damage oil filter housing
- Supplied in custom blow mold storage case
- 1/2" square drive
- 15/16" (24 mm) hex drive

#### Applicable:

- Kit provides full cover for all Toyota®/Lexus® Vehicles

**PVB71255B**



**PVB71255B**

### 84 mm HD Oil Filter Tool

- Manufactured from heavy-duty chrome vanadium steel with mirror chrome finish
- 1/2" square and 24 mm hex drives
- Suits all cartridge type oil filters with 84 mm across flat housing

#### Applicable:

- Kit provides full cover for Mercedes-Benz® with 2.8 , 3.0 , 3.2 and 3.5L CDI diesel engine

**PVB71256**



**PVB71256**

### Oil Filter Tool Kit for Mercedes-Benz® Vehicles

- Manufactured from high strength chrome vanadium steel
- Will not slip and damage oil filter housing
- Supplied in custom blow mold storage case
- 1/2" square drive
- 15/16" (24 mm) hex drive

#### Applicable:

- Kit provides full cover for all Mercedes-Benz® vehicles

**PVB71260B**



**PVB71260B**

### Oil Filter Tool Kit for Honda® Vehicles

- Manufactured from high strength chrome vanadium steel
- Will not slip and damage oil filter housing
- Supplied in custom blow mold storage case
- 1/2" square drive
- 15/16" (24 mm) hex drive

#### Applicable:

- Kit provides full cover for all Honda® vehicles

**PVB71265B**



**PVB71265B**

### 86 mm HD Oil Filter Tool

- Manufactured from heavy-duty chrome vanadium steel with mirror chrome finish
- 1/2" square and 24 mm hex drives
- Use with all cartridge type oil filters with 86 mm across flat housings

#### Applicable:

- BMW® models

**PVB71266**



**PVB71266**

# Lubrication and Fluid Management

## Oil Filter Wrenches



### Oil Filter Tool Kit for BMW® Vehicles

- Manufactured from high strength chrome vanadium steel
- Will not slip and damage oil filter housing
- Supplied in custom blow mold storage case
- 1/2" square drive
- 15/16" (24 mm) hex drive

#### Applicable:

- Kit provides full cover for all BMW® vehicles

**PVB71275B**



**PVB71275B**

### Oil Filter Tool Kit for Ford® Vehicles

- Manufactured from high strength chrome vanadium steel
- Will not slip and damage oil filter housing
- Supplied in custom blow mold storage case
- 1/2" square drive
- 15/16" (24 mm) hex drive

#### Applicable:

- Kit provides full cover for all Ford® vehicles

**PVB71280B**



**PVB71280B**

## Seal Installers

### Seal Driver Kit

- Quickly drives seals without damage
- 16 adaptors for seals up to 3-3/8" diameter
- Includes special adaptors for "shielded" seals

**LIL24800** Kit

**LIL12660** Handle

**LIL24790** Washer

**LIL24810** 2-7/16" Adaptor

**LIL24820** 2-3/4" Adaptor

**LIL24830** 3-1/2" Adaptor

**LIL24840** 1-5/16" Adaptor

**LIL24850** 1-1/2" Adaptor

**LIL24860** 1-5/8" Adaptor

**LIL24870** 1-11/16" Adaptor

**LIL24880** 1-15/16" Adaptor

**LIL24890** 2-1/16" Adaptor

**LIL24900** 2-1/8" Adaptor

**LIL24910** 2-7/16" Adaptor

**LIL24920** 2-9/16" Adaptor

**LIL24930** 2-3/4" Adaptor

**LIL24940** 3" Adaptor

**LIL24950** 3-1/4" Adaptor

**LIL24960** 3-3/8" Adaptor



**LIL24800**



## Seal Pullers



**LIL56650**



**LIL56920**

### Adjustable Seal Puller

- Head adjusts to five positions
- 2 hook sizes easily remove most oil and grease seals
- Where clearance is a problem, remove the pin to reposition the head
- Adjustable head works great on front-wheel drive transaxles
- Also works on front crankshaft seals without removing the radiator

**LIL56650**

### Limited Access Seal Puller

- Use with 3/8" drive for hard-to-reach oil and grease seals
- Simply insert hook behind seal and pull
- 2 hook sizes to fit most oil and grease seals
- Use with a breaker bar for extra reach or leverage
- Puller tips can be resharpened on a grinding wheel

**LIL56920**



**LIL58430**

### Seal Puller

- Removes cam shaft and crank shaft seals without damage to the shaft
- Engage the adjustable hook behind the seal
- Brace the push rod against the engine head and push the handle to remove the seal
- Removes the seal without damage to the shaft

**LIL58430**

**LIL58500** Replacement Hook

## Vacuums



**ADK40400020**

### Air VAC Handheld Wet VAC

- The Air Vac unit is a fast, easy, and less expensive way to clean up spills
- Patented process vacuums up all kinds of fluids, from anti-freeze to heavyweight hydraulic oils (NOT recommended for gasoline)
- Connects to shop air; vacuum up the spill, empty into waste container (included)
- No contaminated pellets, rags or pads to dispose of

**ADK40400020**



## Bore Gauges

### Cylinder Bore Gauge

- Range: 2–6"
- Graduation: .0005"
- Self-centering

**CNT3D302**

**CNT3D302**

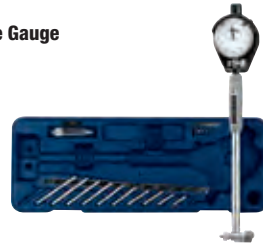


**STORM**  
The Value Line From

### 2–6" Dial Cylinder Bore Gauge

- Range: 2–6"
- Carbide anvils
- Graduation: .0005"
- Easily adjustable
- Self-centering
- Insulated grip
- Includes extension holder and fitted case

**FFL72646300**



**Fowler**

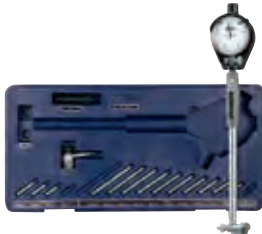
**FFL72646300**

### 1.4–6" Dial Bore Gauge

- Range: 1.4–6"
- Carbide anvils
- Graduation: .0005"
- Easily adjustable
- Self-centering
- Insulated grip
- Includes extension holder and fitted case

**FFL72646400**

**FFL72646400**



**Fowler**

**FFL74646401**



**Fowler**

### Electronic Bore Gauge

- Carbide anvils
- Range: 1.4–6" or 35–150 mm
- Easily adjustable
- Insulated grip
- Self-centering
- Includes extension holder
- Shop-hardened case

### Indicator Features:

- Dual-reading inch/metric electronic indicator
- Bar graph and numeric digital display
- Resolution: .00005" or .001 mm
- Preset with recall
- ABS/INC measurement
- Min/Max/TIR

**FFL74646401**

## Calipers: Accessories

### Caliper Jaw Kit for Measuring Rotors and Drums

- Attaches to any caliper on the lower jaws
- Outward-facing anvils measure drums between 8–13"/200–325 mm plus oversize
- Inward-pointing anvils measure all rotors
- Flat and pointed anvils to inspect drums and rotors before turning or replacing them
- Caliper not included
- Furnished in shop-hardened case

**CNT3K300**



**CNT3K300**

### Caliper Jaw Kit for Measuring Rotors and Drums with Caliper

- Attaches to any caliper on the lower jaws
- Outward-facing anvils measure drums between 8" and 13.00"/200–325 mm plus oversize
- Inward-pointing anvils measure all rotors
- Flat and pointed anvils to inspect drums and rotors before turning or replacing them
- Includes CNT3K301 0–6"/0–150 mm digital caliper
- Furnished in shop-hardened case

**CNT3K301**



**CNT3K301**

## Calipers: Dial

**STORM**  
The Value Line From

**Fowler**

**Fowler**



**CNT6427**



**FFL72008007**



**FFL72030006**

### 0–6" Dial Caliper

- Four measurements: inside, outside, depth and step
- Measuring surfaces are precision ground and lapped
- Adjustable dial has fine line indicating hand
- Thumb wheel fine adjustment
- Stainless steel construction with satin chrome finish

**CNT6427**

### Inch and Metric Reading Dial Calipers

- Thumb roll for rapid setting
- 4-way measurement
- Hardened stainless steel throughout
- Knurled lock assures precise settings
- Adjustable dial
- Includes fitted case
- Range: 0–6"
- Range per revolution: .100"/.2 mm
- Graduation: .001"/.02 mm

**FFL72008007** Inch Caliper

**FFL72015020** Metric Caliper

### Inch/Metric Reading Dial Caliper

- Range: 6"/150 mm
- Graduations: .001"/.02 mm
- Dial face reads in both inch (black) and metric (red)
- Hardened stainless steel throughout
- Inside, outside, step and depth measurement
- Covered, stainless steel rack
- Includes fitted case

**FFL72030006**

# Measuring Tools

## Calipers: Digital

### Digital Caliper

- Digital display for easy reading
- Stainless steel frame
- Measures inside, outside, depth and step
- Measures inch and metric with the push of a button
- Range: 0–6" / 1–150 mm
- Graduations: .0005" / .01 mm
- Furnished in plastic case

**CNT3C301**



**STORM**  
The Value Line From

### Fractional Electronic Digital Caliper

- Use to check the size of drill bits, sockets and other items that are either metric or SAE
- Range: 0–6" (0–150 mm)
- Graduations: .0005" / 1/64" / .01 mm
- Easy-to-read digital display with SAE/metric conversion
- Four measurements: inside, outside, depth and step
- Replacement battery SR44/357

**CNT3C350**

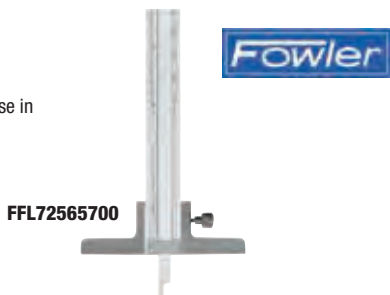


**STORM**  
The Value Line From

### T-Bar Depth Base Attachment

- Easily attaches to calipers for use in depth measurement
- Width: 3"

**FFL72565700**



**Fowler**

### Value Cal Electronic Caliper

- Range: 6"/150 mm
- Stainless steel frame
- Direct inch/metric conversion
- Accuracy: .001" / .02 mm
- Resolution: .0005" / .01 mm
- Large easy-to-read LCD display
- 4-way measurement
- Includes molded case

**FFL74100000**

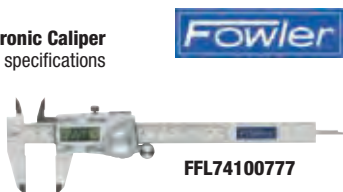


**Fowler**

### Dust-, Water- and Oil-Resistant Electronic Caliper

- Dust-, water- and oil-resistant to IP54 specifications
- Range: 6"/150 mm
- Stainless steel frame
- Direct inch/metric conversion
- Accuracy: .001" / .02 mm
- Resolution: .0005" / .01 mm
- 4-way measurement
- Direct RS-232C output
- Includes molded case
- Direct RS-232C output

**FFL74100777**

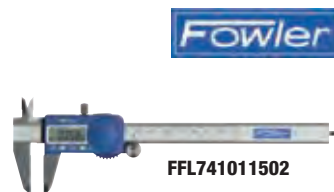


**Fowler**

### Electronic Caliper

- Range: 6"/150 mm
- Resolution: .0005"
- Absolute/Incremental measurement
- Direct inch/metric conversion
- 4-way measuring
- Includes molded case

**FFL741011502**



**Fowler**

### AutoCal Electronic Caliper

- Super large easy-to-read display
- Heavy-duty frame for extra rigidity and wear
- Inch/metric/fraction reading: 0.0005" / 0.01 mm / 1/128"
- Range 6"/150 mm
- Direct inch/metric/fraction conversion
- Floating zero
- 4-way measuring
- Combined thumb rest and thumb roll for fine adjustment
- Includes spare battery and fitted case

**FFL74102006**



**Fowler**

### Internal and External Electronic Caliper Gauges

- Robust housing
- Large LCD display
- Reading: .01" / .1 mm / 1/64ths
- Accuracy: .01" / .3 mm / 1/64ths
- Battery: CR2032
- Spring-loaded with locking nut

**FFL74554630 0–6"/150 mm Outside Caliper Gauge**

**FFL74554630**



**Fowler**

## Calipers: Vernier

### Caliper Vernier

- Measures inside, outside depth and step
- Stainless steel
- 0–5" range
- Microscrew and slide lock
- .001" / .02 mm graduations

**CNT6421**



**CNT6421**

### Caliper

- Slide rule style readout
- Range: 0–4" / 0–100 mm
- Graduation: .001" / .05 mm
- Made of brass, perfect for applications near salt water
- CA residents see page 365 for Proposition 65 warning. ⚠

**CNT6506**



**CNT6506**

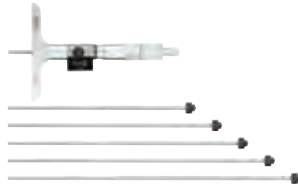
**STORM**  
The Value Line From

## Depth Micrometers

### Economy Digit Counter Depth Micrometer

- Graduation: .001"
- 4" base
- (6) rods
- Satin chrome finish
- Ratchet thimble
- Locking clamp
- Rod diameter: .176"
- Includes wrench and fitted case

**FFL72225226**



**FFL72225226**

### Depth Gauge – Inch/Metric/Fraction

- Spring-loaded with hold measurement button for ease-of-use
- Super large display
- Range: 0–6"/0–150 mm
- Resolution: .0005"/.01 mm, fractions by 1/64" increments
- Supplied in shop-hardened case

**FFL74225555**



**FFL74225555**

## Dial Indicators



**CNT3D101**

**CNT3D102**

**CNT3D103**

### Dial Indicator Sets

- Range: 0–1"
- Graduation: .001"

**CNT3D101** Compact Magnetic Base

**CNT3D102** On/Off Magnetic Base with Flex-Arm

**CNT3D103** With Locking Pliers Clamp and Flex-Arm

**CNT3D101-01**



### 1" Indicator

- Range: 0–1"
- Graduations: .001"
- Reading: 0–100
- Continuous reading with revolution counter
- Used in CNT3D101, CNT3D102 and CNT3D103

**CNT3D101-01**



**FFL72520199**

### Magnetic Base and Black Face Indicator with Fine Adjust

#### Indicator:

- Range: 0–1"
- Graduation: .001"
- Adjusts through 360°
- Meets AGD specifications
- Continuous reading 0–100 and 100–0

#### Magnetic Base:

- Fine adjustment
- Accepts AGD dial indicator
- Base dimensions: 2 x 2-11/32 x 1-13/16"
- Also mounts test indicators with 1/4" post
- 85 lb pull

**FFL72520199** Indicator and Base

**FFL72530110**



### Inch/Metric Reading Dial Indicator

- AGD 2 series
- Dial face reads in inch (black) or metric (red)
- Range: 1"/25 mm
- Graduation: .001"/.01 mm
- Reading: 0–100/0–100–0
- Separated dial for inch and metric
- Rotating bezel with clamp
- Lug back included

**FFL72530110**



### Chrome Fixed Magnetic Stand with Base and Indicator

- Corrosion-resistant chrome plated flex arm holds rigidly in almost any position with 40 lb pull magnet
- 70 steel segments work like a contour gauge to fit the mag base securely to practically any shape or form
- X-Proof IP54 Indicator features robust, shockproof design, Travel 1" and Reading .001"
- Continuous reading 0–100, tolerance markers, lugback and carbide point all in a shop hardened case

**FFL72585245**



**FFL72585245**

### Magnetic Base

- Accepts all AGD dial indicators
- Base dimensions: 2 x 2-11/32 x 1-13/16"
- V-base for placing on round surfaces
- Mounts test indicators with 1/4" posts
- Magnet features 85 lb pull
- On/Off lever releases magnet

**FFL72585005**

**FFL72585005**



### Chrome FlexMag Set AGD Indicator

- AGD Group 2
- Dial diameter: 2-1/4"
- Travel: 1"
- Reading: .001"
- Continuous reading: .100"
- Carbide-tipped point
- Corrosion-resistant, chrome-plated flex arm
- 85 lb pull magnet
- Holds rigidly in almost any position
- V-base for mounting on rounded surfaces

**FFL72585500**

**FFL72585500**



**FFL72585155**



### Water-Resistant Indicator Set

#### Magnetic Base:

- Fine adjustment
- 85 lb pull
- On/Off lever release magnet
- V-base for placing on round surfaces

#### X-Proof Indicator:

- Travel: 1"
- Reading: .001"
- Continuous reading: 0–100
- AGD Group 2, 2-1/4" diameter
- Lug back and carbide point
- Robust, shockproof design
- Rubber bellows on stem

**FFL72585155**

# Measuring Tools

## Dial Indicators

### Articulating Mag Base and Indicator Combo

- Includes articulating arm mag base and Indi-X blue indicator
- More flexibility than flex-arm type base
- Can be set up in almost unlimited positions

### Articulating Mag Base:

- Adjust in almost unlimited ways
- Fine adjust
- 85 lb pull
- V-slot on base for mounting on rounded surfaces

### Indi-X Blue Fraction Electronic Indicator:

- Direct inch/metric/fraction conversion
- 2-1/4" dial face
- Lug back and 3/8" stem mountings
- Resolution: .0005"/.01 mm/64ths
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

**FFL74520260** Electronic Indicator Only

**FFL74585250** Combo



**FFL74520260**

**FFL74585250**



**CNT6456**

### Brake Drum Gauge

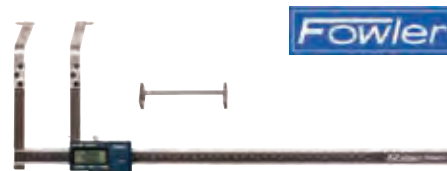
- Indicates .060" wear limit for brake drums
- Shows measurements in both inches (6-14-1/4") and metric (150-360 mm) scales
- Includes .120" wear limit indicator

**CNT6456**

### EZ Drum Reach Electronic Brake Drum Gauge

- Measures most heavy-duty drums while the wheels are still mounted on the vehicle
- 4-20"/100-500 mm capacity (internal measurements) with 4" drum preset (101.60 mm)
- Resolution: 0.0005"/.01 mm/fractions in 1/64th increments
- Dust-, water- and oil-resistant to IP54 standards
- Includes 4" setting master

**FFL74150050**



**FFL74150050**

## Feeler Gauges

### Feeler Gauge Set For Jacobs®

#### Engine Brakes Slave Piston Lash Adjustment

- Set contains all the gauges required to set slave piston lash on Detroit Diesel® engines.
- Set consists of 4" offset feeler gauges with 0.002" step Go-No-Go®
- Feeler gauge blades thicknesses required by each Jacobs® Engine Brake model
- 0.002" step is on the bottom of the blade so the Go-No-Go® can be felt against the exhaust rocker arm adjusting screw or exhaust valve bridge (depending on the model engine)

**Blade Sizes and Usage:** 0.019-0.021" Series 60 model years 1999 and before 0.022-0.024" Series 60 all model years, Series 50 0.025-0.027" Series 60 all model years, Series 50 0.031-0.033" Series 60 model year 2000 and later 0.058-0.060" Series 71, Series 92 0.063-0.065" Series 71, Series 92

- CA residents see page 365 for Proposition 65 warning. ⚠

**AEM3078**

**AEM3085**



**AEM3078**



**AEM3085**

### 11 pc Offset Valve Tappet Gauge Set

**AEM3086** 11 pc Blade Replacement Set



**AEM3086**

## Dividers

### 6" Spring Joint Dividers

- Bow spring ensures uniform tension over working range
- Adjustment screw offers fine setting
- Hardened and heat-treated
- Brushed finish
- Meet Fed. Spec. GGG-G-551F

**CNT6521**



**CNT6521**

## Drum Gauges



**FFL74150020**

### EZ Drum Electronic Brake Drum Gauge

- 4-20"/100-500 mm capacity
- Inch/metric/fraction conversion
- 4" drum preset, zero and hold functions
- Preset depth at 1-1.5"

- Resolution 0.0005"/0.01 mm (fractions to 1/64" increments)
- Protected by IP54 specifications
- Can be used to check some disc measurements

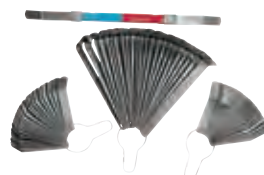
**FFL74150020**



### Feeler Gauge Set For Heavy-Duty Truck Valve Lash Adjustment

- Designed to make valve adjustments faster and easier
  - Double-end plastic handle is color-coded light blue for intake and red for exhaust, with three different configurations of offset blades
  - Select the required feeler gauge blades one time by attaching them to the handle with the finger nuts; the remainder of the feeler gauge blades can be left in the toolbox
  - Color-coded handle makes using the correct blade fast and accurate
  - Loose sets of feeler gauge blades have a range of .008-.030" to cover all heavy-duty truck engine applications and comes on a ring to keep them all together
- Set Includes:** Double-end plastic color-coded handle; 6" blade with 1" L 90° offset; 3" blade with .625" L 45° offset; 3" blade with 1" L 30° offset; and 0.5" of 0.002" step
- CA residents see page 365 for Proposition 65 warning. ⚠

**AEM3079**



**AEM3079**

## Mechanics Measuring Sets

### Mechanics Measuring Set

- 0-6" One-rev shockproof dial caliper with .001" graduations on a black dial face with orange needle
- 0-1" outside micrometer with .0001" graduations and insulated frame
- 6" EZ-Read steel rule
- Storage case

**FFL72229711**



**FFL72229711**



## Micrometers



**CNT3M201**

### 1" Mechanical Digital Micrometer

- 1" range with .0001" graduations
- Carbide measuring faces
- Odometer style readout

**CNT3M201** 1" Mechanical Digital Micrometer

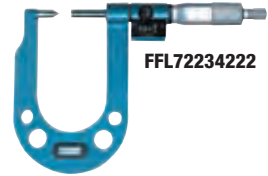


**CNT3M512**

### Inside Micrometer Set

- 2–12" Range with .001" graduations
- Includes measuring extensions and setting gauge
- Satin chrome finish for easy reading

**CNT3M512**



**FFL72234222**

### Digit Counter Disc Brake Micrometer

- Fast, easy-to-read digit counter
- Digital counter reads .001"/.01 mm, sleeve reads .0001"/.01 mm
- Carbide tipped measuring faces
- Includes measuring standard
- Includes case

**FFL72234222** (Inch) Range: 0.3"–1.3"

## Outside Micrometers

### 1" Micrometer

- 1" range with .0001" graduations
- Carbide measuring faces
- Easy read satin chrome thimble

**CNT3M101** 0–1" Outside Micrometer

### 4" Micrometer

- 3–4" range with .0001" graduations
- Carbide measuring faces
- Easy read satin chrome thimble
- Includes 3" standard

**CNT3M104** 3–4" Outside Micrometer

### 3" Micrometer

- 2–3" range with .0001" graduations
- Carbide measuring faces
- Easy read satin chrome thimble
- Includes 2" standard

**CNT3M103** 2–3" Outside Micrometer

### 5" Micrometer

- 4–5" range with .0001" graduations
- Carbide measuring faces
- Easy read satin chrome thimble
- Includes 4" standard

**CNT3M105** 4–5" Outside Micrometer



**CNT3M101**



### 6" Micrometer

- 5–6" range with .0001" graduations
- Carbide measuring faces
- Easy read satin chrome thimble
- Includes 5" standard

**CNT3M106** 5–6" Outside Micrometer



**CNT3M114**

### 4 pc Outside Micrometer Set

- 0–4" range each with .0001" graduations
- Carbide measuring faces
- Easy read satin chrome thimble
- Includes 1, 2, and 3" standards

**CNT3M114**

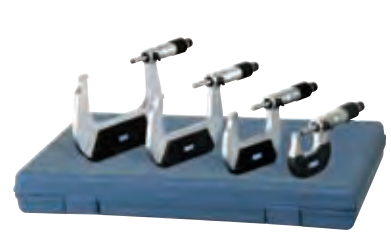


**CNT3M116**

### 6 pc Outside Micrometer Set

- 0–6" range each with .0001" graduations
- Carbide measuring faces
- Easy read satin chrome thimble
- Includes 1, 2, 3, 4 and 5" standards

**CNT3M116**



**FFL72229214**

### Outside Inch and Metric Micrometer Sets

- Description: 0–4" Set
- Graduation: .0001"

**FFL72229214**

# Measuring Tools

## Protractor

### Mini-Mag Protractor

- Provides instant 360° digital inclination display of any angle
- Unique feature of embedded magnets on both sides and the bottom which make it ideal for a variety of measurements
- Embedded magnets with 3.5 lb pull
- Uses standard 9 V battery (250 hours)
- Measuring range: 360° (4 x 90°)
- Display inverts
- Resolution: .05°
- Accuracy: ± .2°
- Repeatability: ± .05°
- Hold feature

FFL74422450



FFL74422450

### Electronic Protractor

- Make fast and accurate angular measurements
- Includes embedded magnets for unique measurement areas
- On/Off, zero, hold and reverse feature to invert the display for easier reading in certain situations
- Full 360° measuring range
- 12"/300 mm L

FFL74440775



FFL74440775

## Rotor Gauges



FFL74150002



FFL74150004



FFL74150005

### Rotocal with a 6" Extended Jaw Depth

- Range: 5.5"/140 mm
- Direct inch/metric/fraction conversion
- Resolution: .0005"/.01 mm (fractions in 1/64" increments)
- Water-resistant to IP54 standards
- 6" jaw depth

FFL74150002

### Electronic Rotor Gauge

- Twin conical anvils measure scored surfaces on both sides of the rotor
- Range 5.5"/140 mm
- Direct inch/metric/fraction conversions
- Resolution .0005"/.01 mm (fractions in 1/64" increments)
- Water-resistant to IP54 standards
- 3.5" jaw depth for larger rotors

FFL74150004

### Rotocal Reach Electronic Rotor Gauge

- Measures most rotors while the wheels are still mounted on the vehicle
- Range: 0–3.25"/0–82.5 mm
- Resolution: .0005"/.01 mm (fractions in 1/64" increments)
- Dust-, water- and oil-resistant to IP54 standards
- Twin conical anvils with the ability to measure low points on both sides of the rotor

FFL74150005

## Rules and Straight Edges



FFL72307006

### E-Z-Read Rules

- Hardened stainless steel
- Etched, non-glare, black finish
- 5R graduations: 32nds and 64ths, 10ths and 100ths
- E/M graduations: .5 mm, 1 mm, 32nds, 64ths
- Flexible rules: .020" thick

FFL72307006 6" Ruler

FFL72307012 12" Ruler



FFL72480050

### Straight Edges

- Made of selected steel
- Hardened for superior wear resistance
- Matched to precision masters to ensure precision
- Width and thickness have been carefully determined to provide optimum rigidity-to-weight ratios

FFL72480050

Part No.	Length	Width	Straightness	Thickness
FFL72480050	18"	2"	.0003"	5/16"

## Thermometers

### Digital Pocket Thermometer

- 1.5 V battery with 5,000 hour life
- On/Off with auto shut-off >10 min
- Includes pocket holder and clip
- 1" dial
- Range: -58–302 °F

MSL52223A



MSL52223A

## Endplay Set-up Tools



AEM437

### Crankshaft Bearing Endplay Setup Tool

- Tool for use on Big Twin® engines to set up crankshaft bearing endplay. The tool consists of a large precision machined bolt and nut. The outer bearing races are pressed into the crankcase. Then the inner races along with the shims are assembled in the crankcase using the Crankshaft Bearing Endplay Setup Tool. Using a dial indicator, endplay is then measured. Disassemble and change shims until desired endplay is reached. The diameter of the bolt is turned slightly smaller than the actual crankshaft diameter, allowing the inner bearing races to be installed and removed without pressing them on or off as you would if you were using a crankshaft. This allows for much faster changing of shims and therefore faster setup time.
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM437

## Front Axle/Rear Axle



AEM9636

### Rear Axle 36 mm Nut Ratchet Wrench

- Reversible ratcheting wrench is used to remove and install the rear axle nut on Harley-Davidson® FL Touring models with 36 mm axle nuts
- Extra long wrench contains a 1/2" square drive for a torque wrench
- Insert torque wrench at a 90° angle for proper torque reading
- Custom 36 mm double hexagon Torque Grip® wheel allows access to reach the application without the removal of exhaust
- Loosening and tightening of this nut is a necessary procedure when tightening a drive belt or changing a rear tire
- Vinyl grip provides a comfortable ergonomic grip and prevents the wrench from scratching or marring the bike
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM9636



AEM444

### Steering Stem Bearing Endplay Setup Tool for Springer Forks

- Used on springer forks to set up steering stem bearing endplay
- Consists of a three-prong offset spanner wrench with a hole through the center, allowing the threaded shaft to pass through
- Offset handle provides clearance for the fuel tank and other accessories
- Triple prong engagement allows for precise stem bearing endplay adjustment
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM444

## Rocker Box



AEM6529

### Rocker Box Cover Ratcheting Bolt Wrench

- Reversible ratcheting box wrench is used on all Harley-Davidson® Evolution® motor rocker box covers
- 9-3/4" L chrome-plated wrench consists of a 1/4" drive with 3/16" replaceable Allen bit and vinyl grip
- Includes a replaceable bit
- Reversible ratcheting action so the socket head cap screw can be ratcheted in or out. When using a conventional wrench, installers may unscrew the bolt up to the frame. Without the ability to reverse, the bolt may get lodged in that position
- Low profile to allow clearance between the frame and the engine
- Long handle for increased reach
- Comfortable ergonomic rubber grip will not scratch chrome while working on the rocker box cover
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM6529

AEM702 (3) 3/16" Allen Bits



AEM6530

### Lower Rocker Box Wrench

- 7/16" for Evolution® or Twin Cam® motorcycle engines
- Extra long reversible ratcheting box wrench is used to install/remove the lower rocker box on Harley-Davidson® motorcycles with Twin Cam® or Evolution® engines (1994–1999)
- 7/16" socket protrudes out of the wrench to reach the application
- Comfortable vinyl ergonomic grip prevents the wrench from scratching or marring the bike
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM6530 Twin Cam® Motorcycle Engine

AEM6531 Evolution® Motorcycle Engine

## Specialty Service Tools



AEM1610

### 14 pc Blade Valve Lash Gauge Set

- 1/4" W gauge blades can be used to check valve clearances of small diameter bucket and shim-type valve trains
- Standard 1/2" W blades may contact the cylinder head and not provide the proper clearance "feel"
- 4 x 1/4" feeler gauge blades, thickness .002–.015"
- 1/4" W blades can be used on small diameter shim-type valve train systems
- Straight blades can be bent for custom applications
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM1610



AEM445

### Rear Isolator Replacement Tool

- Consists of an offset ratchet wrench with an extended handle
- Threaded bolt is used to jack apart the frame and the swing arm, allowing an opening for the isolator to be removed
- Vinyl ergonomic grip for comfort
- Built-in limit feature that will not allow the motorcycle frame to be overspread

#### Applicable:

S1 Lightning, S1 Cyclone, S2 Thunderbolt, S2T Thunderbolt and S3T Thunderbolt motorcycles

- CA residents see page 365 for Proposition 65 warning. ⚠

AEM445

## Fork Tube Tools



AEM440

### Shock Absorber Fork Oil Replenishment Kit

- Special clear plastic tube and fitting allows replacement of the oil in the fork through the drain plug, without disassembling the fork and front end
- 3/8" fitting
- 12" hose
- No optional fittings available
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM440

# Motorcycle Tools

## Specialty Service Tools

**LANG**  
TOOLS



AEM446

### Cylinder Sleeve Hold Downs

- Specialty nuts used to hold down cylinder sleeves during service procedures
- Using these nuts, motors can be turned over with the heads off
- Nuts (4 per package) are for a 3/8"-16 UNC thread
- 3/4" hexagon for easy handling with a small cylinder protruding down to catch the cylinder stud
- Nuts are case-hardened and zinc-plated

### Applicable:

Harley-Davidson® Big Twin®, Twin Cam®, Sportster® motorcycles and models with 3/8" studs

- CA residents see page 365 for Proposition 65 warning. ⚠

AEM446



ERN960

### Greg's Drip Free Oil Filter Funnel

- Change motorcycle oil without the mess
- Keep oil from damaging rubber engine mount
- U-shaped design fits Harley® like no other funnel can
- Multi-purpose funnel can also be used to refill oil, primary and transmission fluids
- Hang tab for use on pegboards
- Punch and drain tube extension – included for lower faring

### Applicable:

All current Harley-Davidson® Touring, Dyna®, Softail®, Sportster® and forward control models. Fits all Evo®, Twin Cam® and Sportster® engines with oil filters from 1985–newer

ERN960

## Specialty Wrenches

**LANG**  
TOOLS



AEM5530

### Intake Manifold Wrench

- Reversible ratcheting box wrench is used on Big Twin® engines to install and remove intake manifold socket head cap screws
- Vinyl grip
- 1/4" ball-end allen bit
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM5530



AEM6738

### Magnetic Speedometer Sending Unit Wrench

- Extra long reversible offset ratcheting wrench is used to remove and install magnetic speedometer sending units for Harley-Davidson® Sportster® motorcycles and other Harley-Davidson® applications with magnetic speedometer sending units
- Single-end wrench contains a magnetic 1/4" drive
- Shortened 3/16" ball end hex bit allows access to remove and install sending units without further disassembly
- Magnetic drive allows bit to be replaced when worn or damaged
- Vinyl grip provides a comfortable ergonomic grip and prevents the wrench from scratching or marring the bike
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM6738



AEM6538

### Exhaust Bracket Wrench

- Reversible ratcheting wrench is used to remove and install the front exhaust bracket on Harley-Davidson® Dyna® model Twin Cams® from 1999–newer
- Single-end, flat wrench is 9-3/4" L with a removable/replaceable shortened T-27 TORX® bit
- Low profile design allows easy access to the exhaust bracket in between the frame and the engine
- Vinyl grip provides a comfortable ergonomic grip and prevents the wrench from scratching or marring the bike
- Retaining ring allows the bit to be removed and replaced when damaged
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM6538



AEM9723

### Oil Pressure Indicator Lamp and Gauge Sending Unit Wrenches

- Use to remove and install the oil pressure indicator lamp or gauge sending units on Harley-Davidson® FL Touring motorcycles (1999–newer)
- Special low profile of 15/16" (9723) or 1-1/16" (9724) wheels allow access to remove and install sending unit without further disassembly
- Vinyl grip provides a comfortable ergonomic grip and prevents the wrench from scratching or marring the bike
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM9723 Lamp

AEM9724 Gauge



AEM9793

### Spline Ratcheting Output Wrenches

- Reversible offset ratcheting wrenches are used for rotation of the crankshaft on all Harley-Davidson® Sportster® motors
- Needed to check engine timing and parts clearance
- Chrome-plated, E-Z Grip, single-end wrenches contain a 1" or 1-1/8" diameter wheel to service 6 or 10 spline crankshafts
- Comfort driver-style handle allows user to apply more turning power with less pressure and fatigue to the hand
- CA residents see page 365 for Proposition 65 warning. ⚠

AEM9793 6 Spline

AEM9794 10 Spline

## Timing Gauge

**Central** TOOLS, Inc.  
QUALITY AND INNOVATION SINCE 1908

### Motorcycle Timing Gauge

- Finds top dead center without removing cylinder head
- Rotating bezel for zero set
- Range: 1"
- Graduation: .0005"

Includes: 14 mm and 18 mm spark plug hole adaptors

CNT6491A

CNT4317 14 mm Hole Adaptor

CNT6491-72 12 mm Hole Adaptor



CNT6491A



Never Again Get Stabbed With a Screwdriver Or Hook While Replacing Your Anvil Snap Rings!

**JUST CLIPS®**

**Tool Kits • Snap Ring Kits**

**Everything You Need To  
Do It Yourself**

**3** Easy Steps!



**JCSPTK1-2**



**JCSPTK1-2** Our All-In-One Anvil Snap Ring Tool Kit Is Designed for the Professional Mechanic. This Tool Kit Takes the Hassle out of Replacing the Broken or Damaged Snap Rings.

**In 3 Easy Steps**

**Saves you TIME, MONEY & your TOOLS**

**Your #1 Source:**

**For Air & Cordless Impact Wrench Anvil Snap Rings and Tool Kits**

# Power Tools: Accessories

## Air Hammer Accessories



KCT1800



### Offset Impact Driver Set

- Offset 15° angle for greater access in tight areas
- Recessed non-turning head well prevents driver slipping off stud or fastener
- Extra-long, extra heavy, non-turning straight hammer will not rotate off stud
- Great for strut work, hub work, front end, exhaust, spring and suspension repair
- Patent pending

### KCT1800

#### Includes:

**KCT1800-725** Offset Shaft Impact Driver

**KCT1800-990** Straight Shaft Impact Driver

### Texas Twister Air Hammer Pulling Kit

- Convert your air hammer into a pneumatic slide hammer
- Axle crow foot and pry bar sealer puller easily removes the most stubborn axles and inner axle seals
- Flat blade puller removes frozen distributors, pulley wheels and speed sensors without damaging them
- J shaped hammer bit is used to hammer bolts/studs, engine, transmission mounts from the back side
- Double ended male 1/2-20, 5/8-18 or 3/4-16 puller connectors connect the Texas Twister to your current pullers
- Extend the reach of the tool by using the 20" straight extension bar
- NO MORE SLIDE HAMMERS. Now you can use 21st century air hammer pulling power to get the job done
- Safe, powerful, fast, simple effective air hammer bits you will use every day

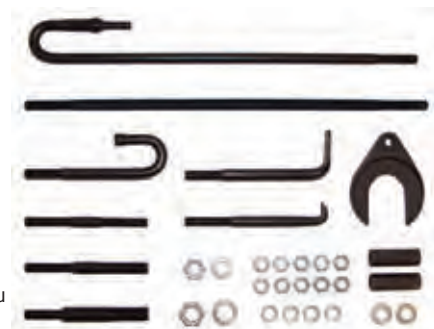
### KCT855A

**KCT855-1A** 20" Primary Bar

**KCT855-2A** 20" Primary Bar

**KCT855-3A** 20" Straight Extension

**KCT855-4A** 7" J Hook



KCT855A

## Air Hose Repair



WEERP900375



WEERP900500



WEERP901375



WEERP901500



### Reusable End NPT Anodized Aluminum Fitting

**Flexzilla® Pro Air Hose Reusable Fitting, 3/8" Barb, 1/4" MNPT**

- Reusable, anodized aircraft aluminum fitting
  - Easily repair your hose in three easy steps:
1. Cut away damaged portion of the hose
  2. Install the fitting onto the hose
  3. Tighten the fitting nuts until snug
    - For use with Flexzilla® and Flexzilla® PRO air hose
    - Spiral bend restrictor increases hose flexibility
    - Easily repair hose using two wrenches

**WEERP900375** 3/8" Barb, 1/4" MNPT

**WEERP900500** 1/2" Barb, 3/8" MNPT

### Reusable Splicer

**Flexzilla® Pro Air Hose Reusable Splicer, 3/8" Barb**

- Reusable, anodized aircraft aluminum splicer
  - Easily repair your hose in 3 easy steps:
1. Cut away damaged portion of the hose
  2. Install the fitting onto the hose
  3. Tighten the fitting nuts until snug
    - For use with Flexzilla® and Flexzilla® PRO air hose
    - Reusable anodized aluminum fitting
    - Easily repair hose using two wrenches

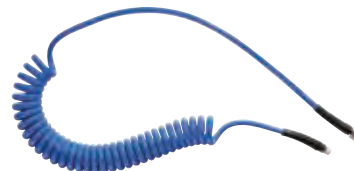
**WEERP901375** 3/8" Barb

**WEERP901500** 1/2" Barb

## Air Hoses



AAIA762B25



PRVPUS264



### Nylon Coiled Air Hose

- Lightweight and permanently coiled
- Quality nylon formulation resists moisture absorption and abrasion
- Each assembly is supplied with durable brass compression fittings, tube inserts and hose clamp
- Spring guards are also provided on all assemblies, except 3/4"

**AAIA762B25** 1/4 x 1/4", 2-Swivel Fitting, 25'

**AAIA764BD12P** 3/8 x 1/4", 12'

**AAIA764BD25P** 3/8 x 1/4", 25'

**AAIA764BD50P** 3/8 x 1/4", 50'

### Coiled Hoses

- High-quality polyurethane hose (very flexible and kink-resistant)
- Hose guards at both ends (long-life)
- Long pigtail and 360° swivel at operator end
- Pre-coated sealant on pipe threads
- Reusable hose ends (repairable)
- Available in a variety of sizes and colors
- Temperature range: -40°F – 160°F

**PRVPUS264** 5/16" x 13', Blue Polyurethane, 1/4" MNPT

**PRVPUS264J** 5/16" x 13', Yellow Polyurethane, 1/4" MNPT

**PRVPUS268** 5/16" x 26', Blue Polyurethane, 1/4" MNPT



## Air Hoses



**PRVRASB3850**



**WEEFZ1250YW3**



### Flexair Hose, Plug Coupler Assembly

- Hybrid polymer hose combines the best characteristics of PVC and rubber
- Ultra flexible and tough, providing a flow rate optimized for pneumatic tools
- Protective polymer bend restrictor to protect and prevent scratches
- Arrives fully assembled and "Ready to Go" with your profile choice of coupling and plug
- 300 PSI, Temperature rating -40–140 °F
- Superior bend radius and kink resistant under pressure
- Hose coating stays clean and is resistant to dirt buildup
- Packaging supplied

**PRVRASB3850** 3/8" x 50' ARO

**PRVRESB3850** 3/8" x 50' Hi Flow

**PRVRISB3850** 3/8" x 50' Industrial

**PRVRUSB3850** 3/8" x 50' Industrial

### Flexzilla® Hose

- Extreme all-weather flexibility, even in subzero temperatures (-40–140 °F)
- Won't kink under pressure
- Lightweight and easy to handle
- Lays flat; no memory
- Durable and abrasion-resistant outer cover
- Anodized aircraft aluminum ends
- Max. working pressure at 70 °F: 300 psi
- Includes bend restrictors to reduce wear and tear, prolonging the life of the hose

**WEEFZ1250YW3** 1/2" x 50', 3/8" MNPT

**WEEFZ3825YW2** 3/8" x 25', 1/4" MNPT

**WEEFZ3850YW2** 3/8" x 50', 1/4" MNPT



**WEEFZ1405**



**WEEHFZP3806Y**



**WEEFZ3802YW2**



### ZillaWhip™

Flexzilla® Whip Hose with Ball Swivel, 1/4" x 5'

- Extreme all-weather flexibility, even in subzero temperatures (-40–140 °F)
- Won't kink under pressure
- Lightweight and easy to handle
- Lays flat – no memory
- Durable and abrasion-resistant outer cover
- Anodized aircraft aluminum ends
- Max. working pressure at 70 °F: 300 psi
- Includes bend restrictor to reduce wear and tear, prolonging the life of the hose

**WEEFZ1405**

### Flexzilla® PRO Whip Hose

Flexzilla® PRO Custom Length Whip Hose, 3/8" x 6', 1/4" MNPT High-Flow Ball Swivel, 1/4" MNPT Reusable Fitting

- Field Repairable – Reusable anodized aircraft aluminum fittings
- Extreme all-weather flexibility (-40–140 °F)
- Won't kink under pressure
- Max. working pressure at 70 °F: 300 psi
- Includes bend reinforcement to reduce wear and tear, prolonging the life of the hose
- 3/8" I.D. hose with 1/4" NPT fittings
- High-flow ball swivel plug rotates 360° at a 30° angle

**Includes:** Flexzilla® Pro 6'. Whip Hose with 1/4". MNPT High-Flow Ball Swivel Plug, Flexzilla® Pro Reusable Anodized Aircraft Aluminum Fitting, 1/4". MNPT (RP900375)

**WEEHFZP3806Y**

### Flexzilla® Hose

- Extreme all-weather flexibility, even in subzero temperatures (-40–140 °F)
- Won't kink under pressure
- Lightweight and easy to handle
- Lays flat; no memory
- Durable and abrasion-resistant outer cover
- Anodized aircraft aluminum ends

#### Specifications:

Inside Diameter: 3/8"; Outside Diameter: 5/8"; Length: 2'; Maximum Working Pressure: 300; PSI Temperature Range: -40–150 °F Fitting Size 1/4"

**WEEFZ3802YW2** Flexzilla® Whip Hose with Ball Swivel, 3/8" x 2'

**WEEHFZ1202YW** Flexzilla® Whip Hose with Swivel, 1/2" x 2'

# Power Tools: Accessories

## Air Hoses

### Flexzilla® Pro Air Hose

- Field Repairable – Reusable anodized aircraft aluminum fittings
- Extreme all-weather flexibility, even in subzero temperatures (-40 °–140 °F)
- Won't kink under pressure
- Lightweight and easy to handle
- Lays flat – no memory
- Durable and abrasion-resistant outer cover
- Max. working pressure at 70 °F: 300 psi
- Flexzilla® Pro Reusable Fittings include bend reinforcement to reduce wear and tear, prolonging the life of the hose

**Includes:** Spiral bend restrictors for increased flexibility; reduces wear and tear, prolonging the life of the hose

**WEEHFZP3825Y** Flexzilla® Pro Air Hose, 3/8" x 25', 1/4" MNPT Fittings

**WEEHFZP3850Y** Flexzilla® Pro Air Hose, 3/8" x 50', 1/4" MNPT Fittings



**WEEHFZP3825Y**

### ZillaWhip™ Whip Hoses

- Extreme all-weather flexibility, even in subzero temperatures (-40 °–140 °F)
  - Won't kink under pressure
  - Lightweight and easy to handle
  - Lays flat – no memory
  - Durable and abrasion-resistant outer cover
  - Max. working pressure at 70 °F: 300 psi
- Includes bend restrictor to reduce wear and tear, prolonging the life of the hose

**WEEHFZ1204** Flexzilla® Whip Hose with Swivel, 1/2" x 4' (3/8" MNPT Swivel x 3/8" MNPT Fittings)

**WEEHFZ3804** Flexzilla® Whip Hose with Ball Swivel, 3/8" x 4'

**WEEHFZ3806** Flexzilla® Whip Hose with Ball Swivel, 3/8" x 6'



**WEEHFZ1204**

### Flexzilla® ZillaGreen™ Air Hose

- A revolutionary hose featuring a premium hybrid-polymer material that redefines flexibility
- Lays flat, no memory
- Superior bend radius
- Kink-resistant under pressure
- Extreme all-weather flexibility, even in sub-zero temperatures (-40–150 °F)
- Excellent abrasion-resistant outer cover

**WEEHFZ12100** Flexzilla® Air Hose, 1/2" x 100', 3/8" MNPT Fittings

**WEEHFZ38100** Flexzilla® Air Hose, 3/8" x 100', 1/4" MNPT Fittings

**WEEHFZ3835** Flexzilla® Air Hose, 3/8" x 35', 1/4" MNPT Fittings



**WEEHFZ38100**

### Air Compressor Accessory Kit

Workforce® Air Compressor Hose Kit, 3/8" x 50', 1/4" NPT Fittings, 6 Airline Accessories, PVC, 7-Piece

- Outer cover and inner tube are made from the highest quality PVC materials
- Temp. Range: 15 °–150 °F
- Twin Spiral Braiding – Extra strong polyester textile cord adds reinforcement to inner tube
- Cover is oil and abrasion-resistant and non-marring
- Includes bend restrictor that reduces wear and tear, prolonging the life of the hose
- Corrosion-resistant solid brass NPT fittings

**Kit Includes:** (1) Blow Gun, (1) Female NPT Plug, (1) Air Chuck, (2) Male NPT Plugs, (1) Quick Connect Coupler

**WEEHOS3**



**WEEHOS3**

### Coiled Hoses

- Extreme all-weather flexibility, even in subzero temperatures (-40 °–140 °F)
- Won't kink under pressure
- Lightweight and easy to handle
- Lays flat – no memory
- Durable and abrasion-resistant outer cover

**WEELP1410AFZ** Flexzilla® Polyurethane Recoil Hose, 1/4" x 10' with 1/4" MNPT Fittings

**WEELP1415AFZ** Flexzilla® Polyurethane Recoil Hose, 1/4" x 15' with 1/4" MNPT Fittings

**WEELP1420AFZ** Flexzilla® Polyurethane Recoil Hose, 1/4" x 20' with 1/4" MNPT Fittings

**WEELP1425AFZ** Flexzilla® Polyurethane Recoil Hose, 1/4" x 25' with 1/4" MNPT Fittings



**WEELP1410AFZ**

### Zilla Reel™

- Auto retract/latch hose mechanism simplifies every job by keeping excess hose out of the work space
- Positive latching mechanism locks hose automatically in 18 in. intervals
- Made from durable UV stabilized polypropylene
- Adjustable hose stopper increases or decreases the length of the hose that remains when hose is fully retracted
- Swivel mounting bracket pivots in the direction of your work, reel can be mounted to wall or ceiling
- Lead-in Hose Included – 3 ft. x 1/4 in. MNPT

**WEEL8250FZ**



**WEEL8250FZ**

### Levelwind™ Zilla Reel™ Pro Retractable Air Hose

Flexzilla® Retractable Air Hose Reel with Levelwind™ Technology, 3/8" x 50'

- Choose from latching hose every 3' for extended use or switch to free run for immediate automatic rewinding
- These reels can swivel freely on a mounting bracket up to 135° or can be locked into place using the locking brace. Up to seven different locking angles can be utilized
- Adjustable Hose Stopper increases or decreases the length of the hose that remains when hose is fully retracted
- 3/4" swivel reduces flow restrictions and allows for maximum flow

- Use freestanding or mounted on wall or ceiling. Flat base allows reel to rest on the ground
- Built-in handle for carrying ease
- Made from durable UV stabilized polypropylene
- Lead-in hose included – 5 ft. x 1/4 in. MNPT
- Assembled in USA of US and global components

**WEEL8305FZ**



**WEEL8305FZ**



**WEE3805RD2B**

### PVC Whip Hose

**WEE3805RD2B**  
60" PVC Red Hose  
**WEE3825RD2** 3/8" x 25' PVC Red Hose  
**WEE3850RD2** 3/8" x 50' PVC Red Hose



## Blow Brush



### Blow Brush

- Makes sandpaper last longer, "it's quicker to clean than to change"
- Breaks open pin holes, "no more come backs from the paint department"

**KTOART85**



**KTOART85**

## Blow Gun



### Typhoon® Multi-Jet with Metal Trigger

- Based off of the popular Typhoon® blow gun, but with a 3/8" inlet port and multi-jet tip, flows 52 CFM
- Designed for very demanding clearing and blow-off applications
- OSHA compliant

**AAIA690CS-MT**



**AAIA690CS-MT**

## Blow Gun Accessories



**AAIA68012CN**

### 12" High Flow Tip Extension

- High flow conical nozzle on a 12" extension allows user to reach and blow off areas that might otherwise be inaccessible
- Lightweight, yet durable construction
- Designed to be used with the popular Typhoon® blow gun (not included)
- OSHA compliant

**AAIA68012CN**



**AAIA68036CN**

### 36" High Flow Tip Extension

- High flow conical nozzle on a 36" extension allows user to reach and blow off areas that might otherwise be inaccessible
- Lightweight, yet durable construction
- Designed to be used with the popular Typhoon® blow gun (not included)
- OSHA compliant

**AAIA68036CN**



**AAIST17-KIT**

### Filter/Radiator Blow Gun Nozzle

- Directs air at 90° to clean radiators, condensers, air filters, etc.
- Installs onto any Typhoon® or CEG extension
- Beveled tip helps prevent damage to delicate tubing and fins
- Can be rotated 360° in relation to blow gun
- Tough brass construction

**AAIST17-KIT**

### Air Comb® Filter and Radiator Cleaner

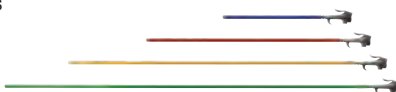
- Great for oval and cylindrical type air filters
- Clean radiators and A/C condensers
- Long-reach 90° multi-port nozzle
- 5x the volume
- High-pressure, multi-port output
- Access hard-to-reach areas
- Extend filter life
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8050 12"**

**IPA8051 24"**

**IPA8052 36"**

**IPA8053 48"**



**IPA8050**



**WEEAG1016FZN**

### Flexzilla® Bendable Blow Gun Extension

- Bendable extension that holds position
- Flexible Hybrid Polymer cover
- O-ring seal on threads
- Spring bend restrictor
- Specifications: Length: 16"; Maximum inside bend diameter: 4"; Max PSI: 120; Nickel plated tip

**WEEAG1016FZN**

## Blow Gun Accessories (Typhoon®)



### 2" Extension Coupling

**AAIA680-02BL**



**AAIA680-02BL**

### 24" Extension

- High flow tip for the Typhoon® blow gun
- High force aluminum nozzle
- Does not include blow gun

**AAIA68024CN**



**AAIA68024CN**

# Power Tools: Accessories

## Blow Gun Accessories (Typhoon®)



### Typhoon® Replacement Tip

- Female thread for 24" extension

**AAIA680HFFS**

**AAIA680HFMS** Male thread



**AAIA680HFFS**

### Multi-Jet Tip

- Female only for AAIA680CSMT

**AAIA680MJBL**



**AAIA680MJBL**

### Typhoon® Blow Gun Adaptor Kit

**Kit includes:**

Adaptor, 3 different lengths of needle tips and safety and standard rubber tips

- Adaptor is made from durable brass construction
- Adaptor's knurled grip allows for easy tool-free installation

**Special Note:** While the use of safety tips keeps the Typhoon® OSHA compliant, non-safety tips used on the Typhoon® via this adaptor render the Typhoon® non-safety while such tips are used.

**AAIA680-TK01**



**AAIA680-TK01**

### Typhoon® Caddy

- Stores your Typhoon® blow gun and tips safely
- Includes and holds two tips and the typhoon adaptor
- Convenient mounting holes or magnet on back connects to metal

**AAITH-KIT**



**AAITH-KIT**

## Blow Guns



### Typhoon® High Volume Blow Gun

- Ergonomic design, tough metal construction
- Variable flow, maximum 34 CFM, 2.1 lb thrust
- OSHA Compliant 1910.95(a), 1910.242(b)
- Hanging hook allows for quick access
- Maximum pressure 150 PSI

**AAIA680CSMT**



**AAIA680CSMT**

### Typhoon® High Volume Blow Gun with 12" Extension

- Popular Typhoon® blow gun with metal trigger comes complete with high flow, conical nozzle mounted on 12" extension
- Extended nozzle allows user to reach and blow off areas that might otherwise be inaccessible
- Ergonomic gun with secure and comfortable thermoplastic grip
- Lightweight, yet durable construction
- OSHA compliant

**AAIA680MT12S**



**AAIA680MT12S**

### Typhoon® High Volume Blow Gun with 24" Extension

- All of the features of the standard Typhoon®, but with more reach
- Can be used to clean floors and other workspaces
- OSHA Compliant 1910.95(a), 1910.242(b)
- Lightweight aluminum extension
- Variable flow, maximum 34 CFM, 21 lb thrust

**AAIA680MT24S**

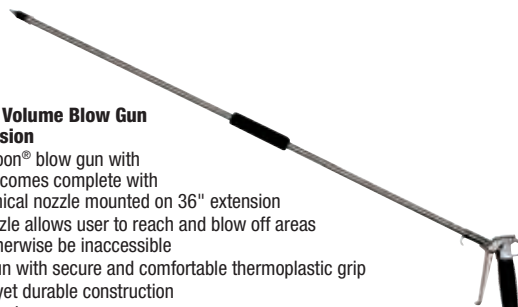


**AAIA680MT24S**

### Typhoon® High Volume Blow Gun with 36" Extension

- Popular Typhoon® blow gun with metal trigger comes complete with high flow, conical nozzle mounted on 36" extension
- Extended nozzle allows user to reach and blow off areas that might otherwise be inaccessible
- Ergonomic gun with secure and comfortable thermoplastic grip
- Lightweight, yet durable construction
- OSHA compliant

**AAIA680MT36S**



**AAIA680MT36S**

### CEG-1® Blow Gun

- Most powerful gun in its class, flows 15 CFM
- Ergonomic design, curved to fit hand
- OSHA compliant 1910.95(a), 1910.242(b)
- Hanging hook allows for quick access
- Maximum pressure 150 PSI

**AAICEG-1H-CS**

**AAICEG-6SHD** High Flow Safety Nozzle

**AAICEG12SHD** High Flow Safety Blow Gun, 6" Extension

**AAICEG12SHD** High Flow Safety Blow Gun, 12" Extension

**AAICEG24SHD** High Flow Safety Blow Gun, 24" Extension

**AAICEG36SHD** High Flow Safety Blow Gun, 36" Extension



**AAICEG-1H-CS**

### Redi-Burst® Pocket Blow Gun

- Engineered to deliver the same performance as larger blow guns
- Easily stores in pocket, tool belt or tool box
- Designed for user comfort
- 1/4" NPT inlet; 150 PSI maximum inlet pressure
- Chrome-plated, die cast zinc construction

**AAIRB-KIT**



**AAIRB-KIT**



**AAIRB-KIT**

## Blow Guns



APT1715

### Deluxe Air Blow Gun with Angled Nozzle and 1/2" Removable Rubber Tip

- Improved valve design makes this blow gun more convenient, faster and easier to use for all applications
- Comfortable lever control and insulated handle
- Ergonomic grip
- High-impact plastic body with built-in hanger slot
- Angled nozzle easily gets into tight places
- Brass air inlet
- Air inlet thread NPT: 1/4"
- Air pressure: 90–120 PSI
- Temperature range: -40–80 °C

**APT1715** 13" Long Angled Nozzle (Green)  
**APT1716** 20" Long Angled Nozzle (Orange)  
**APT1717** 4" Long Angled Nozzle (Green)  
**APT1718** 4" Long Angled Nozzle (Orange)



PRV27202MB13

### Blow Guns

- 1/4" FNPT brass inlet connection
- Non-restricted, full pressure performance
- Sturdy, high-tech composite material
- Lightweight ergonomic design
- Variable airflow
- Available in a variety of metal nozzle styles

**PRV27202MB13** 13" Bent Nozzle  
**PRV27202MB20** 20" Bent Nozzle  
**PRV27202MS13** 13" Straight Nozzle  
**PRV27202MS20** 20" Straight Nozzle  
**PRV27202MTL** 4" Bent Nozzle  
**PRV27202MTLO** 4" Bent Venturi OSHA Nozzle  
**PRV27202MTLR** 4" Bent Steel Nozzle with Rubber Tip



SAG99190

### Inline Blow Gun with Rubber Nozzle

- No need to continually disconnect an air tool to hook up a blow gun
- Small, compact and easy-to-use
- Fits permanently between air hose and coupler
- 1/4" NPT female x 1/4" NPT female

**SAG99190**

**SAG99197** Replacement Tip



WEEAG1090FZ

**Flexzilla® Xflow Safety Nozzle**  
 Flexzilla® Xtreme-Flo Safety Nozzle  
**WEEAG1090FZ**



WEEAG1091FZ

**Flexzilla® Quiet-Flo Nozzle**  
 Flexzilla® Quiet-Flo Safety Nozzle  
**WEEAG1091FZ**



WEEAG1502FZ

### Flexzilla® X1™ Blow Gun with Xtreme-Flo Safety Nozzle

- Flexzilla® features an ergonomically superior gun body for maximum comfort and control which reduces operator fatigue
- The exclusive modular accessories system allows the Flexzilla blow guns to be customized for extension length and tips needed for any job
- Flexzilla® safety nozzles and bendable extension are labeled to meet or exceed OSHA standards

**WEEAG1502FZ**

## Cord Reels



WEE8140503

### 50 ft Electrical Cord Reel

- Adjustable cord stopper ensures outlet is always within reach
- Grounded triple outlet for plenty of capacity
- Circuit breaker with reset button prevents breaker trips or blown fuses, simply reset circuit at reel
- Grounded plug – includes 4-1/2' lead-in cord
- Oil-Resistant 14/3 AWG SJTOW Cord – Flexible in low temperatures and resists the effects of oil, water and sunlight

**WEE8140503**

## Coupler and Plug Kit



WEEA55856FZ

### Flexzilla® Pro Heavy Duty Safety Coupler and Plug Kit, 5-Piece

- ZVR™ Technology: Zero Valve Restriction provides absolute throughput and feeds your tool the maximum CFM possible
- Connect and disconnect under zero pressure
- Non-marring
- For use with Flexzilla® Pro Heavy Duty Plugs
- Kit Includes: (1) FNPT Coupler, (1) MNPT Coupler, (1) FNPT Plug, (2) MNPT Plugs

**WEEA55856FZ**

# Power Tools: Accessories

## Couplers

### CoBlow™

- High quality six ball coupler with built in blow gun, always ready to use
- Easy push button trigger
- Works with tool connected or disconnected
- Maximum working pressure: 120 PSI

**AAI11CBG4F** High Flow, 1/4"

**AAI14CBG4F** ARO, 1/4"

**AAI15CBG4F** Industrial, 1/4"

**AAI16CBG4F** Automotive, 1/4"



**AAI11CBG4F**



**AAI14CBG4F**



**AAI15CBG4F**



**AAI16CBG4F**



**PRVASI061201**



**PRVESI071201**



**PRVISI061202**

### Safety Quick Couplings

- Recommended for use at the air supply
- Safe, 2-stage release (no "hose-whip") with one push of a button
- Easy push button release
- Non-scratch composite body
- Heavy duty construction (long-lasting)
- Easy one-hand connection

Part No.	Body Size	Style	Button Color	Connection
<b>PRVASI061201</b>	1/4	ARO	Yellow	1/4" Female NPT
<b>PRVESI071201</b>	7.2	Highflow European	Green	1/4" Female NPT
<b>PRVESI071202</b>	7.2	Highflow European	Green	3/8" Female NPT
<b>PRVISI061201</b>	3/8	Ind'l Interchange	Blue	1/4" Female NPT
<b>PRVISI061202</b>	1/4	Ind'l Interchange	Blue	3/8" Female NPT
<b>PRVISI061251</b>	1/4	Ind'l Interchange	Silver	1/4" Male NPT
<b>PRVISI111203</b>	1/2	Ind'l Interchange	Blue	1/2" Female NPT
<b>PRVUSI061201</b>	1/4	Truflate	Red	1/4" Female NPT
<b>PRVUSI061251</b>	1/4	Truflate	Red	1/4" Male NPT

This coupler is made of 420 stainless steel

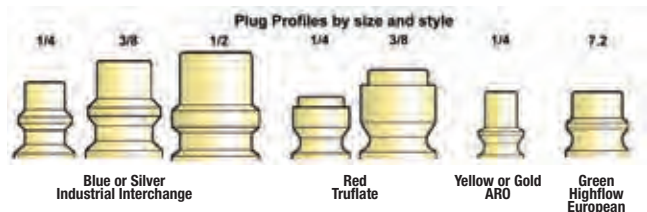


### Plugs

- Available in most common styles
- High-quality steel
- Carbon-nitrided (hardened) finish withstands wear and corrosion
- Manufacturing complies with ROHS directive
- Made with no hazardous substances



**PRVARP066201**



Part No.	Body Size	Style	Connection
<b>PRVIRP066201</b>	1/4	Ind'l Interchange	1/4" Female FNPT
<b>PRVIRP086201</b>	3/8	Ind'l Interchange	1/4" Female FNPT
<b>PRVIRP066251</b>	1/4	Ind'l Interchange	1/4" Male NPT
<b>PRVIRP086252</b>	3/8	Ind'l Interchange	3/8" Male NPT
<b>PRVIRP116253</b>	1/2	Ind'l Interchange	1/2" Male NPT
<b>PRVURP066201</b>	1/4	Truflate	1/4" Female NPT
<b>PRVURP066251</b>	1/4	Truflate	1/4" Male NPT
<b>PRVURP086251</b>	3/8	Truflate	1/4" Male NPT
<b>PRVARP066201</b>	1/4	ARO	1/4" Female NPT
<b>PRVARP066251</b>	1/4	ARO	1/4" Male NPT
<b>PRVERP076201</b>	7.2	Highflow/European	1/4" Female NPT
<b>PRVERP076251</b>	7.2	Highflow/European	1/4" Male NPT



**WEEA53416FZ**

### Flexzilla® Pro High Flow Couplers

- Push-to-connect system
- Maximum torque
- Maximum RPM
- Ideal for spray guns, impact tools or any high output tool
- Increased efficiency

**WEEA53416FZ** Flexzilla® Pro High Flow Coupler, 1/4" MNPT, 1/4" Body

**WEEA53426FZ** 1/4" ZILLA HIFLO CPLER 1/4" MNPT

### Flexzilla® Pro High Flow Plugs

- Push-to-connect system
- Maximum torque
- Maximum RPM
- Ideal for spray guns, impact tools or any high output tool
- Increased efficiency

**WEEA53430-2** Flexzilla® Pro High Flow Plug, 1/4" FNPT, 1/4" Body, 2-Pack

**WEEA53440-2** Flexzilla® Pro High Flow Plug, 1/4" MNPT, 1/4" Body, 2-Pack

**WEEA53440FZB** Flexzilla® Pro High Flow Ball Swivel Plug, 1/4" MNPT, 1/4" Body

**WEEA53640-2** Flexzilla® Pro High Flow Plug, 3/8" MNPT, 1/4" Body, 2-Pack



**WEEA53430-2**



**WEEA53457FZ**

### Flexzilla® Pro High Flow Coupler and Plug Sets

- Push-to-connect system
- Maximum torque
- Maximum RPM
- Ideal for spray guns, impact tools or any high output tool
- Increased efficiency
- Best performance

**Kit Includes:** (1) FNPT Coupler, (1) MNPT Coupler, (2) FNPT Plug, (3) MNPT Plug

**WEEA53457FZ** Flexzilla® Pro High Flow Coupler and Plug Kit, 1/4" NPT, 1/4" Body, 7-Piece

**WEEA53657FZ** Flexzilla® Pro High Flow Coupler and Plug Kit, 3/8" NPT, 1/4" Body, 7-Piece



## Couplers



### Flexzilla® Pro Heavy Duty Safety Coupler

- ZVR™ Technology: Zero Valve Restriction provides absolute throughput and feeds your tool the maximum CFM possible
- Connect and disconnect under zero pressure
- Non-marring
- For use with Flexzilla® Pro Heavy Duty Plugs

**WEEA55618FZ** 3/8" FNPT, 1/2" Body

**WEEA55628FZ** 3/8" MNPT, 1/2" Body

**WEEA55818FZ** 1/2" FNPT, 1/2" Body

**WEEA55828FZ** 1/2" MNPT, 1/2" Body



**WEEA55618FZ**



**WEEA55628FZ**



**WEEA55818FZ**



**WEEA55828FZ**



**WEEA55656FZ**



**WEEA86666FZ**

### 5 pc Flexzilla® Pro Heavy Duty Safety Coupler and Plug Kit

- ZVR™ Technology: Zero Valve Restriction provides absolute throughput and feeds your tool the maximum CFM possible
- Connect and disconnect under zero pressure
- Non-marring
- For use with Flexzilla® Pro Heavy Duty Plugs
- Kit Includes: (1) FNPT Coupler, (1) MNPT Coupler, (1) FNPT Plug, (2) MNPT Plugs

**WEEA55656FZ**

### Flexzilla® Pro High Flow 3-Way Manifold

- Push-to-connect system
- Maximum torque
- Maximum RPM
- Ideal for spray guns, impact tools or any high output tool
- Includes: (1) 3-Way Flat Hex Manifold (Aluminum) with predrilled mounting holes, (3) Flexzilla® Pro High Flow Couplers, 1/4" Body, 3/8" MNPT, (1) Flexzilla® Pro High Flow Plug, 1/4" Body, 3/8" MNPT

**WEEA86666FZ**

## Drill Bit Extensions



**DFXDF1600K**

### "The Extender" Drill Bit Extension

- Adds 6.5" of length to get into deep and hard-to-reach spot welds
- Plastic sleeve protects nearby structures from damage and cables from getting tangled
- Works with any 3/8" drill
- Recommended not to exceed 1,800 RPM
- Includes 8 mm HSCo drill bit

Note: Drill shown not included.

**DFXDF1600K**



**VSG4935704**

### Lock and Load Quick Change Extension

- 1/4" quick change bit holder
- Fits 7/16-1-1/4"
- 2" overall length
- Carbon-steel sleeve and body for durability and long life
- Lock and load system for one-hand quick-release
- Patented jaw design holds bits securely on 6-flatted shanks, as well as ball detent bits

**VSG4935703** 2.5"

**VSG4935704** 6"

# Power Tools: Accessories

## Drill Bits

### 29 pc Pilot Point® Set

- Pilot Point® drill bit tip starts on contact for clean accurate holes and reduces lock-up on breakthrough
- No-spin shank eliminates the frustration of bit spinning in the chuck
- Tapered web provides greater durability to reduce breaking
- Size markings are located above the shank to prevent them from wearing away

**BADDW1969**



**BADDW1969**

### Spot Weld Drill Bit for UHSS, AHSS and Boron Steels

- Created to specifically cut spot welds from Boron-steel
- Boron-steel is up to 3x stronger than regular high-strength steel
- Made of tungsten carbide
- 8.0 mm, special multi-layered coated, three fluted drill bit
- Three cutting edges help spread cutting forces over a greater area to prevent premature breakage

**DFXDF1690**



**DFXDF1690**

### Spot Weld Drill Bits

- Specifically designed for the rigors of spot weld drilling
- Use with any 3/8" drill
- Centering nib prevents bit from walking

**DFXDF1780** 8.0 mm HSCo

**DFXDF1780T** 8.0 mm HSCo Titanium Coated



**DFXDF1780**



**DFXDF1780T**

### 10 mm (5/16") High Speed Cobalt Drill Bit

- Self-centering point prevents bit from walking

**KTOART12510C**



**KTOART12510C**



**KTOART125-8C**

### 8 mm (1/4") High Speed Cobalt Drill Bit

- Titanium coating dissipates heat
- Self-centering point prevents bit from walking

**KTOART125-8C**

### Unibit® Cobalt Step Drill

- M35 grade cobalt HSS, high heat and abrasion resistance
- Longest cutting edge life
- Radial concave flute, true round holes
- Greatest control and minimizes vibration
- 3-flatted shank will not slip in drill chuck
- Speedpoint® tip, fast starting – 6x faster than original Unibit®
- Laser-marked sizes, permanent – will not wear off with use



**VSG10220CB**



**VSG10220CB** #20, 8 Hole Sizes (9/16–1") 1/16" Increments

**VSG10231CB** #1, 13 Hole Sizes (1/8–1/2") 1/32" Increments

**VSG10232CB** #2, 6 Hole Sizes (3/16–1/2") 1/16" Increments

**VSG10233CB** #3, 9 Hole Sizes (1/4–3/4") 1/16" Increments

**VSG10234CB** #4, 12 Hole Sizes (3/16–7/8") 1/16" Increments

**VSG10502CB** 3 pc Set (VSG10231CB, VSG10232CB, VSG10233CB)

## Hole Saw Accessories



**BOSCH**

Invented for life



**BEHSM087**

### Hole Saw Accessories

**BEAN02-C** Adaptor for 1-1/4"–6" Hole Saws (2 pk)

**BEHSM087** 7/8"–22 mm Hole Saw

## Hole Saws



**BOSCH**

Invented for life

### 17 pc Bi-Metal Hole Saw Set

- Progressive tooth design for a more powerful bite and accelerated chip clearance
- 10° cutting angles for higher performance
- Bi-metal construction with 8% cobalt alloy for extreme resilience and longer tool life
- Quick change system compatible
- Easy plug removal through angled re-insertion of pilot bit
- Includes all of the hole saws used in the plumber's field
- Cutting oil is recommended for use with hole saws

**Set Includes:** (7) Adaptors (1) 3/8" Mandrel (1) 3-3/8" Drill Pilot (1) Spacer

**BEHB17PL** Set

**BEHB075** 3/4"

**BEHB136** 1-3/8"

**BEHB087** 7/8"

**BEHB175** 1-3/4"

**BEHB100** 1"

**BEHB225** 2-1/4"

**BEHB112** 1-1/8"

**BEHB256** 2 9/16"

### 8 pc Power Change® Hole Saw Kit

**BEHB150** 1-1/2" Diameter with 1.6" Cut Depth

**BEHB212** 2 1/8" Diameter with 1.6" Cut Depth

**BEHB250** 2-1/2" Diameter with 1.6" Cut Depth

**BEHB85PB** 3-3/8" Pilot Bit

**BEHBUSKIT**



**BEHB225**



**BEHB17PL**

**BEHBUSKIT**

## Hose Reels

### 3/8" x 50' Hose Reel – Automatic Rewind with Hose

- 300 PSI air hose reel
- Automatic rewind
- Solid rubber stopper
- Doubles life of hose
- Eliminates looping of hose on floor
- Easy mounting
- Swivel terminal
- Hose guard

**APT3688**



**AP Astro**

**APT3688**

### Flexzilla® Metal Hose Reel

- Multi-Position Guide Arm – Allows mounting on wall, tank or overhead
- Durable Heavy-Duty Steel Construction – Provides strength and stability to the reel and bracket
- Corrosion-Resistant Powder Coating – Provides extra measure of protection against the elements
- Four-Way Direction Rollers – Allow the hose to be easily pulled from the reel
- Self-Locking Fasteners – Stay tight even in mobile installations
- Narrow Size – Ideal for easy placement and storage
- Multi-Position Release Ratchet – Allows appropriate amount of hose to be extended for each job site
- Metal Latching Pawl – Makes an audible clicking sound allowing the latching zone to be locked quickly and easily

**WEEL816FZ**



**Legacy**

**WEEL816FZ**

### Retractable Hose Reels

- Latching Mode Switch – Choose from latching hose every 3' for extended use or switch to free run for immediate automatic rewinding
- (7) Position Locking Bracket – These reels can swivel freely on the mounting bracket up to 135° or can be locked into place using the locking brace. Up to (7) different locking angles can be utilized (L8300-W)
- Adjustable Hose Stopper – Increase or decrease the length of the hose that remains when the hose is fully retracted
- Extra Large Swivel – A 3/4" swivel reduces flow restrictions and allows for maximum flow
- Free Standing Base – Portable. Use freestanding or mounted on wall or ceiling. Flat base allows reel to rest on ground
- Built-In Handle – For carrying ease
- Made from durable UV stabilized polypropylene
- Hose and Lead-in Hose Included – 3' x 3/8" PVC lead-in hose
- Assembled in USA of US and global components

**WEEL8305** Levelwind™ Retractable Air Hose Reel, 3/8" x 50'

**WEEL8310** Levelwind™ Retractable Air Hose Reel, 3/8" x 100'

**WEERP005005** Replacement hose, 3/8" x 50'



**Legacy**

**WEEL8305**

### Speedy Reel™ Hose Reel

- Swivel Handle – Pivots in hand for winding ease
- Mounting Bracket – Mount reel to wall, workbench or vehicle with ease
- Swivel – Heavy-duty 1/4" brass
- Baked Enamel Finish – Provides a smooth and durable finish
- Bend Restrictor – Prolongs the life of the air hose
- Hose and Lead-in Hose (Red) Included – 3' x 3/8" lead-in hose

**WEEL8550**

**WEERP004062** 3/8" x 50' Orange Hose



**Legacy**

**WEEL8550**

# Power Tools: Accessories

## Impact Sockets

### Harmonic Balancer Sockets

- Heavy-duty impact sockets are designed with more than two times the standard socket mass to direct more energy to removing the bolt
- Use with 1/2" drive

**LIL77060** 17 mm

**LIL77100** 21 mm

**LIL77110** 22 mm

**LIL77120** 27 mm

**LIL77130** 26 mm



**LIL77060**

### 24 mm Heavy Impact Socket

- Designed with more than three times the standard socket mass to direct more energy to removing the bolt
- Can be used on GM® LS engines that use a 24 mm hex pulley damper bolt or other 24 mm applications like Land Rover® and Jaguar®
- Heat-treated, impact-quality alloy steel
- Use with 1/2" drive

**LIL77070**



**LIL77070**



## Plugs



**WEEA55630FZ**



**WEEA55640FZ**



**WEEA55830FZ**



**WEEA55840FZ**



**PRVPUR10251R**

### Flexzilla® Pro Heavy Duty Plug

- ZVR™ Technology: Zero Valve Restriction provides absolute throughput and feeds your tool the maximum CFM possible
- Connect and disconnect under zero pressure
- For use with Flexzilla® Pro Heavy Duty Safety Couplers

**WEEA55630FZ** 3/8" FNPT, 1/2" Body

**WEEA55640FZ** 3/8" MNPT, 1/2" Body

**WEEA55830FZ** 1/2" FNPT, 1/2" Body

**WEEA55840FZ** 1/2" MNPT, 1/2" Body

### Male Swivel Fitting Hose

- Rotary swivel coupler end
- Easy rotation, ball-bearing design 3/4" hex
- Part for PUS hose end 5/16" I.D. hose with 1/4" male Teflon® coated thread

**PRVPUR10251R**

## Regular Quick Couplings

### Regular Quick Couplings

- Recommended for use at the tool
- Easy push-button release
- Lightweight, non-scratch composite body
- Heavy-duty construction (long-lasting)
- Easy, one-hand connection
- Available in most common styles

Part No.	Body Size	Style	Button Color	Connection
<b>PRVIRC061201</b>	1/4	Ind'l Interchange	Silver	1/4" Female NPT
<b>PRVIRC061251</b>	1/4	Ind'l Interchange	Silver	1/4" Male NPT
<b>PRVIRC081202</b>	3/8	Ind'l Interchange	Blue	3/8" Female NPT
<b>PRVIRC081201</b>	3/8	Ind'l Interchange	Blue	1/4" Female NPT
<b>PRVURC061201</b>	1/4	Truflate	Red	1/4" Female NPT
<b>PRVURC061202</b>	1/4	Truflate	Red	3/8" Female NPT
<b>PRVURC06201F</b>	1/4	Truflate	Red	1/4" Female NPT
<b>PRVURC061251</b>	1/4	Truflate	Red	1/4" Male NPT
<b>PRVARC061201</b>	1/4	AR0210	Brushed Silver	1/4" Female NPT
<b>PRVERC071201</b>	7.2	Highflow European	Green	1/4" Female NPT
<b>PRVERC071251</b>	7.2	Highflow European	Green	1/4" Male NPT



**PRVARC061201**



**PRVURC06201F**



## Regulators, Filters and Oilers

### Aluminum Air Regulator

- Control air pressure as needed
- Designed with on/off detent stops
- Openings: 1/4" NPT male x 1/4" NPT female
- Aluminum construction
- Not a shut-off valve

**SAG98000**



**SAG98000**

### Brass Air Regulator

- Control air pressure as needed
- Designed with four-position on/off detent stops
- Openings: 1/4" NPT male x 1/4" NPT female
- Not a shut-off valve
- Brass resists oxidation

**SAG98025**



**SAG98025**





## Regulators, Filters and Oilers



### The Oiler

- Automatically lubricates air tools as they are being used
- Ends tool burn-out, stops rust and increases torque
- High-quality aircraft aluminum stem
- Precisely machined to 1/4" NPT
- Use on all 3/8" and 1/2" air impact guns, air wrenches, body shop air tools and pneumatic hammers

**SAG98500**



**SAG98500**

### Inline Water Separator and Air Filter

- Removes water and foreign particles from compressed air stream
- Attaches directly to paint spray gun or air tool
- Clear reservoir shows accumulated water removed from the air line
- 1/4" NPT male inlet x 1/4" NPT female outlet

**SAG99000**



**SAG99000**

## Saw Accessories



**BADDW8001**

**BADDW4808**

**BADDW4811**



### Saw Accessories

**BADDW4808** 6" 14-TPI Straight Back Blade

**BADDW4811** 6" 18-TPI Straight Back Blade

**BADDW8001** 14" General Purpose Chop Saw Wheel

### 5 pk TPI Bi-Metal Reciprocating Saw Blades

**BADDW4813** 6" 24 TPI Straight Back Blade

**MAK723063A5** 4" 18 Tooth Bi-Metal Blade

**MAK723067A5** Recipro Blades 6 x 24" TPI Bi-Metal



**BADDW4813**



**BOSCH**  
Invented for life



**BERPRAP6**

### Reciprocating Saw Blade 6" (150 mm)

- Progressor for all purpose
- Patented progressive tooth pattern for fast, clean cuts in thick and thin materials

**BERPRAP6**



**BOSCH**  
Invented for life



**CTRS126GP**

### Reciprocating Saw Blade 7" (175 mm)

- Straight for heavy metal
- 1" blade width and thick kerf results in straighter cuts with less vibration
- Patent pending
- 2 x 2 tooth geometry cuts 30% faster in metal than standard metal cutting blades

**CTRS126GP** 10"



**BOSCH**  
Invented for life



**CTRS958DB**

### Reciprocating Saw Blade 9" (225 mm)

- Special for rescue and demolition
- Thicker and wider blade designed for maximum durability in rescue and demolition applications
- Fluorescent coating "glows" for high visibility in extreme conditions
- Patent pending

**CTRS958DB**

### Edmar Chop King Diamond 14" Chop Saw Blade

- DiamondX® technology features diamond grit permanently affixed to a precision steel core; eliminates breakage
- Up to 60x life compared to 14" chop saw abrasive blades
- Wheel does not reduce diameter for consistent cutting operation
- Cuts all metals, such as exhaust pipe, metal hangers and bolts, rebar, angle and structural steel, aluminum, non-ferrous materials and PVC pipe
- Creates no abrasive dust or odor
- Blade: 14 x 1/8 x 1"
- Use only on low HP Chop Saws

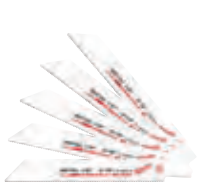
**EDM00781**



**EDM00781**

# Power Tools: Accessories

## Saw Accessories



MET48005184



MET48005712



MET48005782



MET48005784



MET48005787



MET48005788

### Saw Accessories

**MET48005184** 5 pk Wood Blades 6"

**MET48005712** 1/8" x 3/16" Metal Cutting 10 Teeth per Inch 6 L x 1.0 W x .042

**MET48005713** 1/8" x 3/16" Metal Cutting 10 Teeth per Inch 9 L x 1.0 W x .042

**MET48005782** 1/8" x 3/16" Metal Cutting 14 Teeth per Inch 6 L x 1.0 W x .042

**MET48005784** 1/8" x 3/16" Metal Cutting 18 Teeth per Inch 6 L x 1.0 W x .042

**MET48005787** 1/8" x 3/16" Metal Cutting 14 Teeth per Inch 9 L x 1.0 W x .042

**MET48005788** 1/8" x 3/16" Metal Cutting 18 Teeth per Inch 9 L x 1.0 W x .042

**MET48390510** Band Saw Blade Bi-Metal 14 Tooth 44-7/8"

### 18 TPI Bi-Metal Band Saw Blade

- Matrix II high-speed steel teeth deliver maximum durability
- Alloy backing steel provides extended blade life
- Precision-formed teeth create fast, clean cuts
- For cutting common materials 5/32–3/16" thick and very hard materials

**MET48390520** 18 TPI Bi Metal Band Saw Blade



MET48390520

## Snap Ring Pliers and Anvil Retainer Clips



JCSE3805



JCSJC10005



JCSJC2505



JCSJC38012



JCSJC50012



JCSJC7505

### Anvil Snap Ring Kit

- 3/8" electric (cordless)
- Fits Makita® style tools
- Each kit contains (3) clips; (5) kits per pack

**JCSE3805**

### Air Tool Anvil Snap Ring Kits

- Designed and manufactured to fit all brands: sizes 1/4–1"

**JCSJC10005** 5 Kits for 1", each kit contains (1) clip and (1) O-ring

**JCSJC2505** 5 Kits for 1/4", each kit contains (3) clips and (3) O-rings

**JCSJC38012** 12 Kits for 3/8", each kit contains (3) clips and (3) O-rings

**JCSJC50012** 12 Kits for 1/2", each kit contains (3) clips and (3) O-rings

**JCSJC7505** 5 Kits for 3/4", each kit contains (1) clip and (1) O-ring

### Snap Ring Pliers Tool Kit

- Designed and manufactured to fit all brands
- Air and electric impact wrench with all-in-one anvil snap ring removal and installation tool kit
- Removes, cleans, installs and sizes
- Silver tips and blue strip handles; (1) 3/4" and (1) 1" snap ring kits and the large Clipad for 3/4" and 1" tools

**JCSPTK1-1** 3/4" and 1"

**JCSJCDP100** Deburring Pads (5 pk)



JCSPTK1-1

### Snap Ring Pliers

**JCSPTP1-1**



JCSPTP1-1



# SP AIR CORPORATION

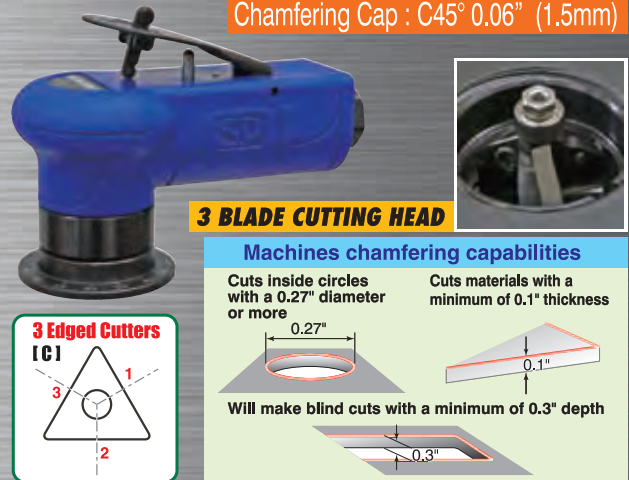
MADE IN JAPAN

## LOW PROFILE HEX BIT DRIVER SPASP7250H



## MINI BEVELER SPASP-7252F

Chamfering Cap : C45° 0.06" (1.5mm)



## RECIPRO SAW (Gear Type) SPASP-7610



## 10mm BELT SANDER SPASP-1370A



## FLEX HEAD CUT-OFF TOOL SPASP-7231



## SPASP-7231R



## ADJUSTABLE WHEEL COVER for SPASP-7231 & SPASP-7231R SPA7231AWC



- Fits SP AIR model #SP-7231, SP-7231R. Fits also MAC AT35A (Mac Brand)
- Stabilizes cutting action
- Adjustable cut depth (Minimum 1/8" )
- Protects sub-surface objects (Wiring Harnesses, etc...)
- Provides accurate and clean cuts 90 degree to surface





# Power Tools: Air

## Abrasive Blast

### Speed Blaster®

- For quickly cleaning small areas
- Overhead gravity-fed media container
- Adjustable material flow valve
- Operating pressure is 60–125 PSI
- Requires 12 CFM at 125 PSI

ZEN100R



### Spot Blast Recovery System

- Converts PSB100 and ZEN100R series speed blasters into spot blasters with recovery systems

ZEN2020

**ZENDEX**  
American Tool Builders



ZEN2020

## Angled Die Grinders

### Mini Angle Die Grinder

- Compact and lightweight for easy maneuverability
- 90° head for easy reach into confined areas
- Excellent for high-speed smoothing, blending and porting in confined areas
- Collet size: 1/4"
- Max speed: 30,000 RPM
- Weight: 0.75 lb
- Length: 4.75"
- Average air consumption: 6 CFM
- Air inlet: 1/4"

CPNCP875



CPNCP875

### Air Angle Die Grinder

- Powerful motor delivers 0.25 HP (0.19 kW) at 21,000 RPM free speed
- Durable ball-bearing construction improves balance, reduces vibration and ensures a longer tool life
- Strong aluminum housing withstands tough operating conditions
- Small and lightweight design provides easy operation and greater access to tight spots
- Easy-to-use, integral safety-lock throttle lever prevents accidental start-up
- Front exhaust helps keep work surface clean
- Tool comes with 1/4" and 6 mm collets and (2) wrenches

IRC301B



IRC301B

## Belt Sander



SPASP-1370A

### 13" Belt Sander

- Compact and lightweight
- Adjustable belt guide rotates
- 3/8 x 1/2 x 13" belt sander

SPASP-1370A

## Cut-Off Tools

### Cut-Off Tool

- Positive control and lock-out throttle protection
- Adjustable rear exhaust
- Safety throttle lever
- Built-in power regulator
- Direct drive motor
- Graduated trigger
- Metal guard

### Specifications:

Wheel Size: 3" Arbor Size: 3/8" Motor Horsepower: 0.51 HP Decibel Level: 87 dBA Free Speed: 20,000 RPM Overall Length: 7" (180 mm) Net Weight: 1-3/4 lb (0.84 kg) Air Inlet Thread NPT: 1/4" Air Hose I.D. Size: 3/8" (10 mm) Average Air Consumption: 4 CFM Air Pressure: 90–120 PSI

**Also Includes:** 5 pc 46 grit, 3" dia., 1/16" thickness cut-off wheel 3/8" arbor hole fits all brands of pneumatic cut-off tools Abrasive wheels are designed for cutoff applications involving angle iron, re-bar, pipe and barstock For use in cutting sheet metal, metal hardware or fasteners

APT208CW



APT208CW



### 4" Composite Inside Cut-off Tool

- Useful to cut off welded studs, remove broken window tracks, cut worn door hinge pins, cut through rusted or frozen bolts, prepare area for proper weld, remove rust and paint and many other uses
- Features extended length for better reach
- Compact tapered gear housing with close-coupled grinding wheel reaches inside corners of as little as 30° with 4" wheel
- Superior steel-grade internal gears for longer life
- Patented, ergonomic handle offers better balance and weight distribution for improved comfort during prolonged use
- 1.0 HP motor eliminates "stall" and increases reliability; spindle lock for ease of wheel change; 11-position rotational guard

**Specifications:** Wheel Size: 4" Grinder disc sizes: 4" (1/16 x 3/8") (1/8 x 3/8") Motor Horsepower: 1.0 Decibel Level: 85 dBA Free speed: 14,000 RPM Overall Length: 15-1/2" Net Weight: 3-3/4 lb Air Inlet Thread NPT: 1/4" Air Hose I.D. Size: 3/8" Average Air Consumption: 6 CFM

EXH6275A



EXH6275A



IRC326

### Heavy Duty Air Cut-off Tool

- Net weight: 2.3 lb
- Overall length: 8.8"
- Air inlet: 1/4"
- Minimum hose size: 3/8"
- Free speed: 20,000 RPM

IRC326



## Cut-Off Tools



**SPASP-7231**

### SP-7231 Flex Head Cut-Off Tool

- 3-position flexible head for greater access into tight work places
- Ergonomic design cushion-grip handle
- Rear exhaust
- Safety throttle lever
- Built-in power regulator
- Direct drive motor
- Graduated trigger
- Metal guard
- Cuts muffler clamps and hangers, sheet metal, radiator hose, clamps, bumper bolts, and even steel rods up to 3/4"

**SPASP-7231**



**SPASP-7231R**

### Reversible Flex Head Cut-Off Tool

- Three-position, flexible head for greater access into tight work places
- Ergonomic design cushion-grip handle
- Built-in power regulator
- Direct drive motor

**SPASP-7231R**



**SPASP-7252F**

### Palm Beveling Tool

- Three-blade cutting head with changeable blades
- Depth flange scale for setting cutting depth
- Palm-size tool cuts radius chamfers and straight chamfers
- Cuts circles with a minimum of 0.27" and material thickness of 0.1"
- Free speed 23,000 RPM and air consumption 2.5 CFM

**SPASP-7252F**

## Cut-off Wheels



### Cut-Off Wheel Cover

- Fits SP AIR model SPASP-7231 and SPASP-7231R
- Stabilizes cutting action
- Adjustable cut depth (1/8" min.)
- Protects sub-surface objects (wiring harnesses, etc.)
- Provides accurate and clean cuts 90° to surface

**SPA7231AWC**



**SPA7231AWC**

## Drills 1/2" Capacity



### 1/2" Heavy-Duty Reversible Air Drill

- High-quality 1/2" drill designed for drilling, hole sawing and cylinder honing
- Quality features for long life, including an industrial-grade 1/2" chuck, ball and needle bearing construction, and double reduction planetary gearing
- Average air consumption: 4 CFM
- At load: 27 CFM
- Air inlet: 1/4"
- Free speed: 500 RPM
- Minimum hose size: 3/8"
- Chuck size: 1/2"

**IRC7803RA**



**IRC7803RA**

## Drills 1/4" Capacity



**CPNCP7300C**

### 1/4" Mini Drill

- General-purpose, non-reversible, air-powered mini-drill ideal for a wide variety of applications
- 2,800 RPM
- 1.35 lb
- Length: 5"
- Rated stall torque: 21 in-lb
- Rated air consumption: 15 CFM
- Minimum hose size: 3/8"
- Accommodates 1/4" Jacobs Chuck®
- Adjustable exhaust
- Ergonomic rubber grip

**CPNCP7300C**

**CPNCP7300RC** Reversible



### Spot Annihilator Deluxe Spot Weld Drill Kit

- Only high-torque drill with low speed for ultra-high-strength steel
- Applies cutting pressure pneumatically
- Patented valved cylinder applies gentle pressure toward the panel
- "Smart" pressure valve helps prevent breakage of bits
- Lets operator set depth
- Adjustable drill with large 3" tall C-clamp

**Kit Includes:** Spot Weld Drill 8 mm HSCO Bit (1) 8 mm Titanium Coated HSCO Spot Weld Drill Bits (1) 10 mm Titanium Coated HSCO Spot Weld Drill Bit (1) Bottle Pneumatic Tool Oil Inline Oiler Deluxe Storage Case

### Specifications:

Free Speed: 1,000 RPM Drill Dia.: 8 mm Air Inlet: 1/4"

**DFXDF15DX**



**DFXDF15DX**



# Power Tools: Air

## Drills 3/8" Capacity



IRC7802RA



IRC7802RAKC



IRC7807R

### 3/8" Heavy Duty Reversible Air Drill

- Economical, high-quality 3/8" drill for general-purpose drilling, honing, reaming and hole sawing
- Reversible 1/2 HP motor; will also drive and remove screws without a struggle
- Reversible motor with a quick-reverse lever
- Variable-speed throttle for starting holes easily
- Handles smoothly; lightweight, compact drill
- Free speed: 2,000 RPM
- Horsepower: 1/2
- Net weight: 2.5 lb
- Overall length: 7.4"
- Average air consumption: 4 CFM
- Air inlet: 1/4" min.
- Hose size: 3/8"

#### IRC7802RA

IRC7802RAKC Keyless Chuck

### 3/8" Standard-Duty Reversible Air Drill

- Chuck size: 3/8" (10 mm)
- Free speed: 1,800 RPM
- Rated power: .33 HP (.25 kW)
- Net weight: 2.47 lb (1.12 kg)
- Overall length: 8.1" (206 mm)
- Average air consumption: 4/113 CFM/i/min @ load: 17/485 CFM/i/min
- Sound dBA: 89/102 pressure/power
- Air inlet: 1/4" min.
- Hose size: 3/8" (10 mm)

#### IRC7807R

## Engraver



SETPAS361

### Air Marking Pen

- Writes on a variety of materials: steel up to RC-64, glass, plastic and wood
- Adjustable throttle for a variety of substrate hardness levels

#### SETPAS361

## Hammers: Heavy-Duty

### Heavy Duty Shock Reduced Air Hammer Kit

- Powerful for fast cutting yet economical
- Vibration isolation system for smoother operation and greater comfort
- Unique cushioned exhaust deflector on barrel for comfort and control
- Touch trigger for precision start-ups and total control
- Ideal for exhaust system work, bolt cutting, bushing driving, shearing and front-end work
- Average air consumption: 3.75 CFM
- Blows per minute: 3,200
- Weight: 3.7 lb

Kit Includes: Air Hammer (1) Quick Change Retainer (4) Chisels (1) Heavy-Duty Carrying Case

#### CPNCP7110K



CPNCP7110K

### Heavy Duty Air Hammer

- Positive action trigger for precise control over speed range
- Versatile—handles wide range of body shop applications, including front end, exhaust, and frame and body work
- 2,000 BPM
- 401 shank
- 9/16" bore
- 3.13" stroke
- 3.33 lb
- 2.3 average CFM
- 1/4" air inlet

#### CPNCP714



CPNCP714



## Hammers: Super-Duty

### Super-Duty Air Hammer Kit

- Chisel shank dia.: .401"
- Blows per minute: 3,000
- Bore dia.: 3/4"
- Stroke length: 2-9/32"
- Net weight: 3-5/8 lb
- Overall length: 7-3/8"
- Average air consumption: 3 CFM
- Air inlet: 1/4"
- Minimum hose size: 3/8"
- (6) chisels and a case

#### IRC121K6

IRC121K6



### Super-Duty Air Hammer

- Makes fast work of body panel crimping and cutting, bushing driving, shearing and general front-end work
- Professional touch trigger for total control
- Long-life tool with a tough 1 pc alloy barrel
- Easy to maintain with an "easy-out" throttle valve assembly
- Blows per minute at 90 PSI: 3,000
- Weight: 2-9/32 lb
- Average air consumption: 3 CFM

#### IRC121Q



IRC121Q

## Impact Wrench Accessories and Parts



### Wrench Accessories

**IRC2112K75** Button Replacement Kit

**IRC2112TK2** Motor Tune-up Kit

**IRC2131K75** Button Replacement Kit

**IRC2131P32** Boot for IRC2131QTT

**IRC2131TK2** Motor Tune-up Kit

**IRC2135-53** Rotor

**IRC21352THK1** Hammer Mechanism Kit – Extended Anvil

**IRC2135D93** Trigger

**IRC2135K75** Button Kit

**IRC2135MBOOT** Boot

**IRC2135THK1** Hammer Mechanism Kit

**IRC2135TK2** Motor Tune-up Kit

**IRC2141B00T** Impact Wrench Boot

**IRC2141TK1** Motor Tune-up Kit

**IRC261TK2** Motor Tune-up kit

**IRC285B00T** Boot

## Impact Wrenches 1" Drive

### 1" Drive Impact with Side Handle

- Unique low-wear pinless hammer for ultimate reliability and added hitting power
- Short anvil
- 1,800 ft-lb max. torque
- Combined reverse and power management switch
- Precision-engineered hammer mechanism and motor
- Triple-heat-treated alloy steel hammer cage and anvil
- Rugged construction with reliable bolt-on assist handle
- Hammer case can be repositioned for side handle to be on right side
- Durable, brushed aluminum motor housing

#### Specifications:

Free speed: 5,000 RPM Bolt capacity: 1-1/4" Impacts per minute: 1,400 Average air consumption: 12 CFM Rec. hose size: 1/2" Air inlet: 1/2" NPT

**EXH1893-1**



**EXH1893-1**



**IRC285B6**

### 1" Drive Heavy Duty Extended Anvil Impact Wrench

- 1,475 ft-lb max. torque
- Superior balance, "angled down" exhaust
- High-efficiency 6-vane air motor
- 3-position power regulator

**IRC285B6**

## Impact Wrenches 1/2" Drive

### 1/2" Drive Composite Impact Wrench

- 1,000 ft-lb loosening torque
- 200–800 working torque
- 4.3 lb; 86 dBA
- Ergonomically designed handle
- Twin-hammer mechanism
- Boot sold separately

**EXH1000TH**

### 1/2" Drive Composite Impact Wrench

**EXH1000-2-TH** 2" Extended Anvil

**EXH1000THPK** Tune-up Kit

**EXH1150-BB** Black Boot



**EXH1000TH**

### 1/2" Compact Impact Wrench

- 500 ft-lb max. torque
- Low-weight aluminum alloy housing
- Reliable jumbo hammer mechanism delivers maximum power, while increasing reliability
- Patented "silencing technology" reduces the noise level to 89 dBA
- Trigger-mounted combined reverse and power management switch provides ultimate control and one-hand operation
- 1,600 IPM
- 9,000 RPM free speed

**EXH1057TH**



**EXH1057TH**

### 1/2" Drive Impact Wrench

- Durable composite housing
- Patented ergonomically designed handle (reduces operator fatigue)
- Patented easy operation flip lever forward and reverse
- Working torque: 200–950 ft-lb
- Weight: 4.5 lb (2.04 kg)
- Sound level: 86 dBA

**EXH1150**

**EXH1150-BB** Black Boot



**EXH1150**

### 1/2" Drive Kevlar® Composite Impact Wrench

- Twin-clutch mechanism
- 1,200 ft-lb of loosening torque
- Sound: 86 dBA
- 90–120 PSI
- Weight: 4.5 lb

**EXH1200K**

**EXH1200KBR** Red Boot



**EXH1200K**

# Power Tools: Air

## Impact Wrenches 1/2" Drive

### 1/2" Impact Wrench with Kevlar® Housing

- Extreme harder hitting impact with 1,000 BPM
- Recommended for high torque applications: 1,300 ft-lb loosening torque
- Kevlar® reinforced housing with AIRCAT® quiet technology

EXH1250-K

EXH1250-K



### Mini 1/2" Drive Composite Impact

- 700 ft-lb loosening torque
- Twin-clutch mechanism
- Net weight: 2.7 lb
- 90–120 PSI
- Boot not included
- 200–500 ft-lb working torque

EXH1375XL

EXH1375XL



### 1/2" Drive Low Profile Air Impact

- 180 ft-lb max. torque and 9,000 RPM offer the power of an impact with the reach of a ratchet
- Feather-touch trigger, two-position forward power regulator and conveniently located forward/reverse ring provide precise control
- Head height of under 2" and reactionless torque allow safe use of this powerful tool in tight spaces

IRC2025MAX

IRC2025MAX



### 1/2" Drive Impact

- 332 ft-lb (450 N•m) max. power in reverse from a tool less than 6" L and weighing less than 2.5 lb (1.14 kg)
- New 7-vane motor delivers even more power
- Optimized air flow ensures max. performance
- Titanium hammercase means this tool will stand up under the toughest environments
- Feather-touch trigger enables impressive control
- Patented four-position power regulator dial for maximum control
- Patented one-hand forward/reverse for easy operation

IRC2125QTIMX

IRC2125QTIMX



### 1/2" Air Impact Wrench

- Twin-hammer impact mechanism delivers 870 ft-lb of max. forward torque and 900 ft-lb of max. reverse torque
- 1,300 ft-lb nut-busting torque; weight: 4.7 lb
- 4-position power regulator; one-handed forward/reverse push-button control
- Constructed with a titanium hammercase, steel wear plate and strong composite housing that protect the tool from the harshest environments
- 91.9 dBA

IRC2235QTIMX

IRC2235-A626 1/2" Anvil Assembly

IRC2235QTIM2 with 2" Extended Anvil

IRC2235QTIMX



### 1/2" Drive Impact Wrench

- Twin-hammer impact mechanism delivers 870 ft-lb of max. forward torque and 900 ft-lb of max. reverse torque
- 1,350 ft-lb nut-busting torque; weight: 4.6 lb
- Constructed with a titanium hammercase, steel-wear plate and strong composite housing that protect the tool from the harshest environments
- Weight: 4.6 lb

IRC2235TIMAX

IRC2235-A626 1/2" Anvil Assembly

IRC2235A6262 2" Anvil Assembly

IRC2235MB00T Boot

IRC2235TIMAX



### 1/2" Drive Super-Duty Impact Wrench

- Enhanced twin-hammer mechanism
- 600 ft-lb of max. torque
- Variable power control, forward and reverse
- Pressure feed system provides continuous lubrication

IRC231C

IRC231B-A626 1/2" Anvil

IRC231BTHK1 Hammer Mechanism Kit

IRC231TK3 Motor Tune-up Kit with Ball Bearings

IRC231C



### 1/2" Drive Super-Duty Impact Wrench

- Redefining the standards set by the classic IR231C
- Enhanced twin-hammer mechanism delivers 450 ft-lb of max. torque
- In-handle exhaust directs air away from operator and work area
- Variable power control, forward and reverse
- Pressure feed system provides continuous lubrication

IRC231HA

IRC231B00T Boot

IRC231BTHK1 Hammer Mechanism Kit

IRC231HA2 Extended Anvil

IRC231TK2 Motor Tune-up Kit

IRC231HA





## Impact Wrenches 1/2" Drive



### 1/2" Drive Super-Duty Air Impact Wrench

- Performance rating, super-duty extended anvil
- Working torque: 40–350 ft-lb (54–476 N•m)
- Max. torque: 500 ft-lb (680 N•m)
- Blows per minute: 1,300
- Free speed: 7,000 RPM
- Standard bolt capacity: 5/8" (16 mm)
- Weight: 6 lb
- Length: 7.3"

#### IRC244A

#### IRC231BTHK1 Hammer Mechanism Kit

#### IRC244A2 Extended Anvil

#### IRC244TK2 Motor Tune-up Kit



IRC244A

### 3/4" Drive "Xtreme Duty" Aluminum Impact Wrench

- 1,400 ft-lb loosening torque
- Best suited for bus/large automotive use, large agricultural service vehicles and large bolt assembly
- Durable hard-hitting twin hammer mechanism
- High-performance motor maximizes torque output
- Ergonomically designed handle
- Working torque: 200–1,200 ft-lb (120 PSI)
- Blows per minute (under load): 950
- Free speed: 4,500 RPM
- Overall length: 8.93" (227 mm)
- Weight: 12.58 lb (5.72 kg)
- Average air consumption: 7.8 CFM
- Sound pressure: 86 dBA

#### EXH1680A



EXH1680A

## Impact Wrenches 3/4" Drive



### 3/4" Drive Composite Impact

- Increased max. torque to 1,400 ft-lb
- Increased loosening torque to 1,600 ft-lb
- Patented silencing technology; only 86 dBA
- Patented ergonomic grip for comfort
- Triple-heat-treated Ni-Cr-Mo alloy steel hammer mechanism and anvil for durability

#### EXH1600THA

#### EXH1600THBB Black Boot



EXH1600THA



EXH1600THBB

### 3/4" Drive Air Impactool™

- 1,350 ft-lb max. reverse torque from a tool that weighs just 7.4 lb
- Steel hammer case provides excellent durability
- Feather-touch trigger enables impressive control
- Innovative new steel wear plate protects the end plate and provides extreme wear resistance
- 7,000 RPM max. free speed; average air consumption 8.5 CFM

#### IRC2145QIMAX

#### IRC2145MB00T Vinyl Boot



IRC2145QIMAX

## Impact Wrenches 3/8" Drive

### 3/8" Impact Wrench

- Butterfly forward/reverse throttle
- Rocking dog clutch for smooth operation and durability
- Four positive power settings
- Easy maneuvering with 360° air inlet swivel
- Ideal for bench work, carburetors, ignitions, body panels, transmissions, oil pans and small engine repair
- Working torque range (fwd): 5–65 ft-lb
- Max. torque (rev): 90 ft-lb
- 9,500 RPM Free speed
- Blows per minute 1,400

#### CPNCP7722



CPNCP7722

### 3/8" Compact Impact Wrench

- 400 ft-lb max. torque
- Low-weight aluminum alloy housing
- Reliable jumbo hammer mechanism delivers maximum power, while increasing reliability
- Patented "silencing technology" reduces the noise level to 89 dBA
- Trigger-mounted combined reverse and power management switch provides ultimate control and one-hand operation
- 1,600 IPM
- 6,500 RPM free speed

#### EXH1077TH

#### EXH1077TH



### 3/8" Drive Composite Impact

- Increased max. torque to 450 ft-lb
- Increased loosening torque to 600 ft-lb
- Patented silencing technology; only 86 dBA
- Patented ergonomic grip for comfort
- Triple-heat-treated Ni-Cr-Mo alloy steel hammer mechanism and anvil for durability

#### EXH1300THA

#### EXH1300THBB Black Boot



EXH1300THA

### 3/8" Drive Composite Impact

- Twin-clutch mechanism
- 500 ft-lb loosening torque
- 100–400 ft-lb working torque
- 10,000 RPM free-speed

#### EXH1355XL



EXH1355XL

# Power Tools: Air

## Impact Wrenches 3/8" Drive

### 3/8" Drive Titanium Impact Wrench

- Tougher: Titanium hammercase means this tool will stand up under the toughest environments
- Stronger: 300 ft-lb of max. reverse torque
- Smaller: 1.97" wide at the hammercase; smaller than other tools in the full size 3/8" impact category, allowing users to get in and out of the tightest spaces
- Lighter: 2.4 lb; weighs less than full-sized 3/8" impacts

#### IRC2115TIMAX

#### IRC2115MB00T Boot

#### IRC2115THK1 Hammer Mechanism Kit

#### IRC2115TK1 Motor Tune-up Kit



IRC2115TIMAX

### 3/8" Drive Super-Duty Air Impact Wrench

- Torque range: 20–105 ft-lb
- Max. torque: 180 ft-lb
- Blows per minute: 1,500
- Free speed: 10,000 RPM
- Standard bolt capacity: 7/16"
- Net weight: 2.89 lb
- Overall length: 6"
- Average air consumption: 2.5 CFM
- Air inlet: 1/4"

#### IRC212

#### IRC1702425 Socket Retainer



IRC212

## Needle Scalars/Scrapers



IRC125

### Standard-Duty Needle Scaler

- For surface preparation work involving the cleaning or removal of paint, rust, dirt or weld slag
- A durable, dependable and economical solution
- (19) needles
- Each needle is 1/8" (3.2 mm)
- 4,600 BPM at free speed

#### IRC125

#### IRC22192219 Set of Needles



### Heavy Duty Air Vertical Polisher/Buffer

- Buffs and polishes all painted surfaces easily
- Compact, lightweight vertical polisher/buffer provides desired results, even on tough jobs
- Variable-speed control lever throttle helps eliminate paint burning
- Comes complete with 7" (178 mm) backing pad
- Long tool life from the planetary gear reduction feature
- Plenty of power from the 1 HP (0.75 kW) motor
- Handle exhaust directs air away from the work area

#### IRC318A



IRC318A



CPNCP7201P

### Polisher Kit

- Features: Adjustable speed regulator
- 2 finger throttle
- .25 HP motor 2,500 RPM
- Comfort-designed, compact rubber-molded body
- Ergonomically designed to reduce fatigue
- Exhaust port in the handle directs air away from work area

**Includes:** (2) 3-1/2" foam-compounding pads (white/yellow); (1) 3" backing pad; (1) 3-1/2" wool polishing pad; Spindle wrench; Blow molded carrying case



CPNCA158108

#### CPNCP7201P Kit

#### CPN940158330 3" Hook/Loop Pad

#### CPN940158334 2" Hook/Loop Pad

#### CPNCA158108 (1) 3.5 Soft Polishing Pad (White)

#### CPNCA158109 (1) 3.5 Hard Polishing Pad (Yellow)

#### CPNCA158110 (1) Wool Buffing Pad

## Polishers

### 3" Mini Air Polishing Kit

#### Specifications:

Weight: 1.45 lb (0.66 kg)  
Overall Length: 5-1/2" (140 mm)  
Average Air Consumption: 5 CFM/140 L/min  
Recommended Air Pressure: 90 PSI (6.3 bar)  
Min. Hose Size: 3/8" (10 mm)

#### Kit Includes:

- 3" Mini Polisher 2,500 RPM
- 3" Sanding/Polishing Back-up Pad
- 3" Wool Buffing Pad
- 3" Polishing Foam Pad – Yellow
- 3" Polishing Foam Pad – White
- Blow-molded case

#### APT3055



APT3055

### Headlight Restoration and Metal Polishing Kit

- Restores damaged polycarbonate headlamps (must use tool at low 1,800 RPM max. for plastic)
- Ideal for restoring aluminum and magnesium rims, engine parts, motorcycle parts and plastics
- Easily removes clear coats from weathered wheels
- Creates custom looks on parts by giving them a polished or a flat finish
- All the buffs in this kit have a hex-shaped shaft with a quick-coupling mechanism
- No tools needed to switch the buffs
- Aluminum storage case
- Variable-speed quick coupler air buffer 0–3,000 RPM
- Do not use on high RPM to prevent heat build-up, 1,800 RPM max. speed

#### APT3059 Kit Includes:

**APT3059-01** 3" Scuff Mushroom-Shaped Buff – to remove clears and to smooth out rough metals

**APT3059-02** 4" Scuff Mushroom-Shaped Buff – to remove clears and to smooth out rough metals

**APT3059-03** 3" 100% Cotton Mushroom-Shaped Buff – for buffing into tight quarters

**APT3059-04** 4" 100% Cotton-Mushroom Shaped Buff – for buffing into tight quarters

**APT3059-05** 3" 100% Cotton-Tapered Buff – great for recessed areas

**APT3059-06** 2" 100% Cotton-Drum Buff – great for rim edges and flat surfaces

**APT3059-07** Brown-Rouge – great for aluminum, pewter, pot metals, brass and other mild metals

**APT3059-08** White-Rouge – brings up the shine on all metals

**APT3059-09** Blue-Rouge – great for headlamp covers and other plastics



APT3059

## Power Tools: Accessories

### Impact Tool Lubrication Kit

- (1) 4 oz IR #115 grease
- (1) 4 oz IR #10 oil GTH-1
- (1) Grease tube gun

**IRC115LBK1**



**IRC115LBK1**

## Ratchet Accessories and Parts

### Prochuck 1/4" Drive Air/Electric Drill Chuck Adapter

- Converts a standard 1/4" drive air- or electric powered ratchet into a limited-access drill
- Hardened-steel EDM 1/4" adaptor
- High-quality Jacobsen geared chuck

**PMXPPC250A**



## Ratchets 1/4" Drive



**CPNCP824**

### 1/4" Drive Air Ratchet

- Easy speed control throughout range with a max. rundown speed of 220 RPM
- Extended length designed for greater reach in confined areas
- Compact and lightweight

**CPNCP824**

**IRC107XPA**

**IRC1105MAXD2**



**EXH800R**

### 1/4" Drive Air Ratchet

- 45 ft-lb torque
- 35 ft-lb working torque
- Single-pawl mechanism
- 82 dBA

**EXH800R**



**SPASP7250H**

### Low-Profile Hex Bit Driver

- Low profile for use in tight areas
- For use with any 1/4" drive bit
- Ratchet style for ease of use
- Reverse lever is easy to reach, allowing for one-handed operation
- 360° rotating rear air exhaust deflector and 360° swivel air inlet
- Sealed flat head ratchet prevents the spread of the ratchet housing while also protecting the tool's functionality from dirt and dust

**SPASP7250H**

## Ratchets 3/8" Drive



**EXH802R**

### 3/8" Drive Large Ratchet

- 90 ft-lb loosening torque
- 70 ft-lb working torque
- Twin-pawl mechanism
- Lightweight 2.8 lb
- 82 dBA

**EXH802R**



**IRC109XPA**

### 3/8" Drive Super-Duty Air Ratchet

- 70 ft-lb max. torque
- Variable-speed button throttle
- 360° adjustable exhaust
- 220 RPM free speed

**IRC109XPA**



**IRC2015MAX**

### 3/8" Drive Air Ratchet

- 180 ft-lb max. torque and 9,000 RPM offer the power of an impact with the reach of a ratchet
- Feather-touch trigger, two-position forward power regulator and conveniently located forward/reverse ring provide precise control
- Head height of under 2" and reactionless torque allow safe use of this powerful tool in tight spaces

**IRC2015MAX**

# Power Tools: Air

## Reciprocating Saws



**BADDWE304**

### 10 A Reciprocating Saw

- Powerful 10A motor designed for heavy-duty applications
- 4-position blade clamp allows for flush cutting and increased versatility
- 0-2800 strokes per minute and 1-1/8" stroke length deliver fast cutting
- Variable speed trigger allows instant control speed at the trigger
- Lever-action keyless blade clamp for quick-and-easy blade changing

**BADDWE304**



**BOSCH**

Invented for life



**BERS325**

### 12 A Reciprocating Saw

#### 12A Reciprocating Saw

- Highest power-to-weight ratio, 12A of power only 7 lb
- Ultra compact size only 17.8" L
- Easy cutting in challenging positions, especially overhead for less fatigue
- Constant orbital action, fast cutting on all types of materials
- Variable speed trigger, improves cutting control
- Fixed foot provides robust and solid design for the toughest applications; no loose foot issues during use

**BERS325**



**CPNCP7900**

### Reciprocating Saw

- Power at 10,000 strokes per minute cuts through material with ease
- Adjustable guard/guide allows operator to set depth of cut
- Ergonomic design for comfort and easy handling
- Economical tool for body, exhaust and muffler work
- Rear exhaust directs air away from work area
- 360° swivel prevents hose kinks
- Single speed
- Weight: 1.3 lb
- Average air consumption: 5.5 CFM
- Air inlet: 1/4" (swivel not included)

**Includes:** (1) model 18T replacement blade; (1) model 28T replacement blade; (1) model 32T replacement blade

**CPNCP7900**

### Reciprocating Saw Kit

- Low vibration
- Power at 10,000 strokes per minute cuts through material with ease
- Adjustable guard/guide allows operator to set depth of cut
- Rear exhaust directs air away from work area
- 360° swivel prevents hose kinks
- Weight: 1.3 lb
- Average air consumption: 5.5 CFM
- Air inlet: 1/4"

**Includes:** (5) model 18T replacement blades; (5) model 24T replacement blades; (5) model 32T replacement blades; Air inlet swivel; Heavy-duty carrying case

**CPNCP7901K**



**CPNCP7901K**



**IRC429**

### Heavy Duty Air Reciprocating Saw

- Versatile air saw for cutting intricate shapes and light radius curves in all types of plastics, fiberglass and composite materials, as well as aluminum and sheet metal
- Cuts on flat and curved surfaces
- Durable, long-life tool comes with (6) high-speed steel cutting blades and (2) hex wrenches

**IRC429**

**IRCP4CS6** Blades – Coarse 24 Teeth per Inch (6 pk)

**IRCP4FS-6** Blades – Fine 32 Teeth per Inch (6 pk)



**MET6509-31**

### 12 A Sawzall® Reciprocating Saw

- Powerful 12A motor delivers 0-3,000 RPM for high-performance cutting in a variety of materials
- 3/4" stroke length provides maximum cut control
- Gear protecting clutch extends gear and motor life by absorbing high impact forces caused by blade lock-ups
- Counter-weight mechanism provides reduced vibration for smoother operation
- Quik-Lok® blade clamp provides fast, tool-free blade changes

**MET6509-31**



**SPASP-7610**

### Reciprocating Saw (Gear Type)

- Reciprocating air body saw blades (10 pc)
- For use with SPASP-7610 (not included)
- Made from high-quality materials
- Easy to use and replace
- Works great for auto repair

**SPASP-7610**

**SPA7610-200** 25 Tpi Blades (10 pk)



## Regulators, Filters and Oilers



### Air Tool Oiler

- Self-centering, non-drip oil dispenser head design allows the technician in one easy motion to easily push the air tool inlet under the dispenser head to oil the air tool or other item, such as bolt threads, etc.
- Mounting bracket with its double-face tape can be adjusted for right-handed, left-handed or center-mounting positions
- 8 oz translucent, shatter-resistant oil reservoir made from polyethylene easily locks to the dispenser head allowing the reservoir to be removed so additional oil can be added
- Adjustment knob on the top of the dispenser head can adjust the oil flow .05 cc or approximately 1 drop per 1/4 turn, up to approximately four drops, so each air tool can receive the exact amount of oil required
- Air tool oiler dispenser works with all models of air hammers, air sanders, air ratchets and air ratchet heads, etc. (Note: Mounting screws are not included)

**STK16600**



**STK16600**

## Rotary Gear Drive



**HUT2001**

### Eliminator® Rotary Drive Sander

- High torque, low speed
- Model 2001 Eliminator®
- 18:1 reduced gear drive delivers superior high torque at low RPM for excellent material removal without warpage
- Also excellent for low-speed buffing and polishing

**HUT2001** with HUT5017 Pad – 8"

**HUT2001H** with HUT5019 – Hook Pad

## Sander Accessories and Parts



**EZE1600P**

### Straight-Line Sanding Shoe

- 2-3/4" x 17" PSA and clip-on, post pad
- Fully molded pad – no glue
- Fits all inline sanders except Hutchins®

**EZE1600P**

## Sanders: Disc

### Mini Disc Sander Kit

- Two-finger, variable-speed throttle
- .25 HP motor
- 15,000 RPM
- Rubber-molded, palm-grip style body
- 1.5 lb; lightweight and powerful
- Compact design will fit into tight areas

### Kit Includes:

- (1) 3" backing pad
- (10) 3" 80, 100 and 120 grit sanding discs
- (1) fine, medium and coarse surface prep discs
- Spindle wrench

Blow-molded carrying case

**CPNCP7202D**

**CPNCA158102** 3" Roloc® Sanding Pad



**CPNCP7202D**



### Heavy Duty Air Angle Sander

- 7" (178 mm) pad
- With up to 5,000 RPM free speed, work faster on light and heavy sanding jobs, including rouging body filler
- Heavy-duty motor handles tough jobs
- Lightweight at only 4.5 lb (2.04 kg)
- Ball-bearing construction for increased tool life

**IRC313A**



**IRC313A**

## Sanders: Dual-Action



### Dual-Action Sander

- Rotary and orbital motion for rapid removal or fine finishing
- Power regulator for precise control
- Lock-off throttle to prevent accidental start-ups
- Insulated grip for added comfort
- Excellent for blending and smoothing filler, feather edging and pre-paint preparation
- 10,000 RPM Max.

- 6" pad
- 10 mm orbit
- Weight: 4 lb
- Average air consumption: 8 CFM
- 1/4" air inlet

**CPNCP870**



**CPNCP870**

# Power Tools: Air

## Sanders: Palm

### ONYX 6" Finishing Palm Sander

- 5 mm (3/16") stroke finish
- Sealed bearings for extended life
- Orbital action assures final swirl-free finish
- Built-in speed regulator
- Composite lever housing and rotors
- Comes with 6" PSA backing pad

#### Specifications:

Pad Size: 6" Free Speed: 10,000 RPM  
Net Weight: 1.5 lb (.68 kg) Spindle  
Thread Size: 5/16 x 24"

#### APT322P

APT4606 6" PU Hook-and-Loop

Backing Pad

APT4608 6" PSA Backing Pad



APT322P



HUT500

### 3/32" Offset Palm Sander 6"

- Less aggressive sanding action for pre-and post-paint sanding applications
- Ideal for all paint shop applications
- Smooth, low-vibration operation

HUT500 6" PSA Pad

HUT500H 6" Hook-and-Loop Pad



HUT503

### 3/32" Offset Palm Sander 3"

- Perfect for de-nibbing or paint prep
- 3" hook pad size allows for better fine sanding of small or hard-to-reach areas
- Easily converted to vacuum sanding
- Smooth, low-vibration operation

HUT503 3" Hook-and-Loop Pad



HUT600

### 3/16" Offset Palm Sander 6"

- Fast, smooth operation
- Aggressive material removal
- Comfortable, low vibration operation
- Top choice among professionals from all sanding industries

HUT600 6" PSA Pad

HUT600H 6" Hook-and-Loop Pad



HUT603

### 3/16" Offset Palm Sander 3"

- More aggressive sander for shaping and feather-edging on bumpers, doorjams or any small hard-to-reach area
- Can be easily converted to vacuum sanding

HUT603 3" Hook-and-Loop Pad



HUT700

### 5/16" Offset Palm Sander 6"

- Most aggressive sander yet from Hutchins®
- Offers 25% faster material removal than our Model 600
- Ultimate tool for anyone looking for true sanding speed
- 12,000 RPM sander
- Extreme comfort and low vibration

HUT700 6" Hook-and-Loop Pad

HUT700H 6" PSA

## Sanders: Random Orbital



APT3008

### Gear Driven Orbital Sander with Pad

- Removes heavy material and body filler on large flat surfaces
- Dual-action pad motion that leaves a clean, swirl-free finish
- Balanced ball-bearing construction for vibration-free performance and long life

#### Specifications:

8" Disc Free Speed: 850 RPM; Overall Length: 11";  
Air Inlet Thread: 1/4" NPT; Air Pressure: 90-120 PSI

APT3008



CPNCP7200S

### Mini Random Orbital Sander Kit

- Two-finger, variable-speed throttle
- .25 HP motor
- 15,000 RPM
- Rubber-molded, palm-grip-style body
- 1.5 lb lightweight and powerful
- Compact design will fit into tight areas

**Kit Includes:** (1 each) 2" and 3" backing pad (10) 2" 320, 400 and 600 grit sanding discs (10) 3" 320, 400 and 600 grit sanding discs Spindle key Blow-molded carrying case

CPNCP7200S



HUT3500

### Super Sander III

- Random orbit action
- Lightweight design reduces fatigue
- Low profile guarantees precise operator control

HUT3500 with HUT5136 PSA 6" Pad

HUT3500H with HUT5236 Hook Pad

## Sanders: Random Orbital



**HUT4500H**

### Random Orbital Sander Pad

- Random orbit action
- Researched and developed for ultra-fine finishing
- Versatile random orbit sander
- Handle sold separately

**HUT4500H** with HUT5236 Hook 6 Pad

**HUT5106** 6" Pad

**HUT5108** 8" Pad

**HUT5235** 5" Hook It Pad



**HUT4564**

### Orbital Action Sander

- Lightweight and compact
- Delivers 25 in<sup>2</sup> of full-contact sanding

**HUT4564** with HUT5864R PSA 3-2/3 x 7" Pad

**HUT4564H** with HUT5864H Hook Pad



**IRC4151**

### Ultra-Duty Random Orbital Sander

- Lightweight, vacuum-ready, low-vibration sander produces an ultra-high-quality finish and connects easily to portable vacuum systems
- High-speed/low-vibration performance provides superior control and flawless finishes
- IRC41512 provides the same performance as the IRC4151 with the added benefit of an extra-long handle for two-handed control
- 12,000 RPM; .2 hp; 6" dia. pad; 1.92 lb

**IRC4151**

## Sanders: Straight-Line



**APT888C**

### Dual Piston Straight-Line Sander

- Performs on plastic fillers at any stage of hardening
- Feathers with ease and smoothness
- Dual piston provides efficient power and prevents stalling
- Two-handle design for comfortable operation
- 1" stroke

#### Specifications:

Pad Size: 2-3/4 x 15-3/4" Free Speed: 2,400 Strokes Per Minute Overall Length: 16" (406 mm) Net Weight: 6-1/2 lb (2.5 kg) Air Inlet Thread: 1/4" NPT Air Hose I.D. Size: 1/4" (6 mm) Avg. Air Consumption: 6 CFM Air Pressure: 90-120 PSI

**APT888C**



**APT888S**

### Short Straight-Line Sander

- For use on plastic fillers at any stage of hardening
- Feathers with ease and smoothness
- Single-piston
- Single-handle design for smaller and harder-to-reach spaces
- Fast and efficient performance

#### Specifications:

Sanding Paper Size: 2-3/4 x 11" (7 x 28 cm) Free Speed: 3,000 Strokes Per Minute Tool Weight: 4.25 lb (1.9 kg) Air Consumption: 4 CFM Sound Pressure: 89 dBA Sound Power: 98 dBA Vibration Level: <2.5 m/s<sup>2</sup>

**APT888S**



**HUT2000**

### Straight-Line Reciprocal Action Sander

- Only 2-cylinder, common-piston, straight-line sander on the market
- Delivers smooth, vibration-free sanding

**HUT2000** with HUT5003 Pad – 2-3/4 x 16-1/2"

**HUT2000H** with HUT5002H Hook Pad

### MPS Hustler II

- Straight-line action
- Same renowned performance as the HUT2000 but in a compact package
- Factory balanced for smooth, vibration-free sanding

**HUT2023** with HUT5023 PSA Pad 2-3/4" x 8"

**HUT2023H** with HUT5023H Hook Pad



**HUT2023**

### Hustler II Mini Straight-Line Sander

- Straight-line action
- Triple-counter balance system
- 2-cylinder, twin-drive, vertically engaged gear system
- Vibration-free reciprocal stroke for smooth, ultra-fine sanding
- Mid-sized with 11" pad for sanding areas
- Slightly larger than the HUT2023 but smaller than the HUT2000
- Includes standard PSA pad designed for use with 2-3/4" abrasive rolls

**HUT2011**



**HUT2011**

### Multi-Option Hustler Straight-Line Reciprocal Action

- Same performance as the HUT2000
- New low-profile handle and coaxial hose assembly allow greater operator control at the work surface

**HUT8620** with HUT5013 Pad 2-3/4 x 16-1/2"

**HUT8620H** with HUT5013H Hook Pad



**HUT8620**

### Straight-Line Orbital Action Sander

- Versatile long board with orbital action adapts to every surface preparation need
- Patented 5-point suspension guarantees 44 square inches of uniform sanding

**HUT3800H** With HUT5802H Hook Pad

**HUT4932** Same as HUT3800H but with Vacuum Option



**HUT3800H**

# Power Tools: Air

## Sanders: Straight-Line



IRC315

### Heavy Duty Air Twin Piston Straight-Line Sander

- Free speed: 3,000 RPM
- Net weight: 6.6 lb
- Overall length: 17-1/2"
- Avg. air consumption: 8 CFM
- Air inlet: 1/4"
- Minimum hose size: 3/8"
- Pad size: 2-3/4" x 17-1/2"

### IRC315

IRC31539 Sanding Pad Assembly



VIKV100

### Straight-Line Sander

- Dual-piston sander quickly removes material from large areas while providing smooth operation
- Ideal for surface preparation of fiberglass, sheet metal, steel, body putty or wood

### VIKV100

VIKV502 Hook-and-Loop Sanding Shoe

VIKV503 Klip-It Shoe

VIKV507 Stick-It Sanding Shoe



VIKV101

### Straight-Line Sander

- Single-piston Mini Vike sander is smaller for those hard-to-reach areas
- Smaller size reduces operator fatigue and adapts well to all types of sanding

### VIKV101

VIKV514 Stick-It Sanding Shoe

VIKV515 Klip-It Sanding Shoe Type

VIKV516 Hook-and-Loop Sanding Shoe

## Sanders: Wet



HUT7004

### Water Bug Orbital Action

- High-performance, air-efficient motor
- Sealed 4-bearing shaft assures full-pad contact
- Maximum productivity with superb finish
- Hose and pad included

### HUT7004



HUT7044

### Water Bug II Wet Sander Orbital Action

- Venturi® driven filtered water delivery system allows remote water sanding without the need of a faucet
- Unique through-the-pad water feed insures contamination-free sanding

HUT7044 with HUT5864A Hook 3-2/3 x 7" Pad and

HUT1301 Interface Pad (round pads optional)



HUT7544

### Water Bug III Wet Sander Random Orbital Action

- Lightweight, low profile
- Ultimate in wet-color sanding prior to buffing
- Same Venturi® driven through-the-pad water delivery system as the Water Bug II

HUT7544 with HUT5246 Hook 6" Pad

## Small Fastener Removal Tool



THX482

### Small Fastener Removal Tool

- Uses air power to break loose frozen or rusted fasteners
- Tool and adaptors are constructed of hardened steel with 3/8" drive to allow use of hex or specialized sockets to remove stubborn nuts and bolts

**Includes:** Adaptor Chuck, (4) Screw Bits and Vinyl Storage Pouch

### THX482

## Surface Preparation/ Abrasives and Grinding

### Sander Accessories and Parts

HUT1802 Pad

HUT18025 VA/DF Pad Hook Pad for HUT4932

HUT5002H HK Type Pad

HUT5003 Std Pad

HUT5023 Std PSA Pad

HUT5106 6" Pad

HUT5108 8" Pad

HUT5136 Pad, Standard

HUT5146 Pad

HUT5235 5" Hook It Pad

HUT5236 6" Hook Type Pad



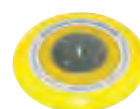
HUT18025



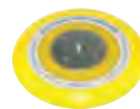
HUT5106



HUT5108



HUT5136



HUT5236





# WE'VE GOT THE TOOL FOR THE JOB.

From Impacts to Grinders, Sanders to Sockets. Ingersoll Rand® has the tools *AND* parts & accessories you need to tackle your toughest jobs.

**REAL TOOLS FOR REAL WORK.**



**IRC2015MAX & IRC2025MAX**  
3/8" & 1/2" RIGHT ANGLE  
IMPACT WRENCH

- Power of an impact with the reach of a ratchet
- 180 ft-lbs max reverse torque
- Powerful vane motor and trigger actuation ensures this will quickly become your favorite tool



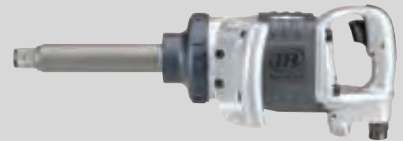
**IRC2235TIMAX**  
1/2" IMPACT WRENCH

- Lightweight, durable, and versatile. Quiet option **IRC2235QTIMAX**
- 1300 ft-lb nut-busting torque
- Will withstand anything you throw at it and still deliver the same quality output every time



**IRC2145QIMAX**  
3/4" IMPACT WRENCH

- Incredible performance and industrial-grade durability
- 1300 ft-lb nut-busting torque
- A workhouse compact enough to access tight spaces



**IRC285B6**  
1" IMPACT WRENCH

- 6" extended anvil makes changing tires and deeper fastening a breeze
- Designed for professionals with over 1475 ft-lbs of torque for the toughest applications



Visit [IRTOOLS.COM](http://IRTOOLS.COM)  
for product specs and details

# Power Tools: Coded

## 14 Gauge Shears



**BADDW892**

### Heavy Duty 14 Gauge Shears

- Dependable, 3.0A, all ball-bearing motor for long life
- Rugged aluminum alloy gear case for maximum durability
- Paddle switch for convenient 1-handed operation
- Blades are easy to adjust and replace
- Cuts radius as small as 1"

#### Includes:

BADDW8920

#### BADDW892

**BADDW8920** Upper and Lower Blades, Screws, Nuts and Wrenches

## Angle Polisher



**MAK9237CX2**

### Polisher Value Kit

- Powerful Makita® built 10A motor for continuous operation
- Wire mesh vent covers to keep wool fibers out of the motor
- 0-3,000 RPM variable-speed switch to match the application
- Rubberized gear housing to protect delicate surfaces
- Soft start feature for smooth start ups
- Improved cord guard for greater flexibility
- Rubber tool rest for upside down placement
- Comes with loop and post handles
- Heavy duty nylon tote bag for added convenience

**MAK9237CX2**



**MAKP05000CX1**

### 5" Dual Action Polisher Kit

- Dual action, random orbit with forced rotation or random orbit with free rotation
- Electronic controller provides constant speed control to maintain speed under load
- Variable speed control dial (0-6,800 OPM) enables operator to match the speed to the application
- Powerful 7.8 amp motor delivers more output and variable (0-780) RPM

#### MAKP05000CX1

**MAKT02668** Medium, White

**MAKT02674** Hard, Orange

**MAKT02680** Soft, Black

## Band Saw



### Deep Cut Variable Speed Band Saw Kit

- Powerful 11A motor with CPT™ (Constant Power Technology) provides maximum performance and durability
- Job site Armor™ technology: proprietary composite material and crush zone barriers provide long lasting rugged protection
- Delivers maximum tool life with all metal direct drive gearing system, while requiring less servicing than a chain drive
- Gear protecting clutch extends gear and motor life by absorbing high impact forces caused by blade lock-ups

- Slimmer motor housing increases user line-of-site, delivering superior cut accuracy
- Lighter weight, 14.5 lb
- LED light
- Tool-free locking adjustable shoe allows for less tool rotation when cutting material above 5"
- Versatility to cut up to 5" x 5" material in one pass
- Delivers longer pulley life by removing debris during use
- Blade not included

#### MET6232-21

**MET48390520** 18 TPI Bi Metal Band Saw Blade



**MET6232-21**

## Chop Saws



### Heavy Duty 14" Chop Saw

- Quick change, keyless blade changing system
- Powerful 15A, 5.5 HP motor
- Soft start extends gear and motor life by reducing start-up torque
- Large cutting capacity (5" round, 4-1/2 x 6-1/2" rectangle)
- Patented quick-fence tool-free, 45° adjustable fence allows for fast and accurate angle cuts without using a wrench

**BADD28715**



**BADD28715**

### Heavy Duty 8" Metal Cutting Circular Saw Kit

- Dry cut technology with 13A, 3,700 RPM motor
- 2-1/2" depth of cut
- Durable magnesium blade shield
- Guard retraction lever for plunge cuts
- Carbide-tipped metal cutting blade
- Tactile-grip handles
- Sight-line and blade point-of-entry indicators
- Includes saw, metal cutting blade, hex blade, wrench and impact-resistant carrying case

**MET6370-21**



**MET6370-21**

## Die Grinder



**MAKGD0800C**

### 1/4" Super Joint System (SJS) Die Grinder

- SJS helps prevent gear damage caused by accidental wheel binding
- Powerful 6.6A motor for heavy-duty applications
- 7,000–28,000 RPM variable-speed for a variety of applications
- Electronic speed control maintains speed under load
- Soft start feature for smooth start-ups

**MAKGD0800C**

## Drill 3/8" Capacity



**BADDWD112**

### Heavy Duty 3/8" VSR Pistol Grip Drill

- 7A motor delivers high-performance in heavy-duty applications
- 3/8" all-metal ratcheting keyless chuck for greater bit retention
- 0–2,500 RPM, VSR trigger for versatility in drilling and fastening applications
- Soft grip handle design offers increased gripping surface and comfort
- All ball-bearing construction provides greater durability and longer tool life

**BADDWD112**



**MET0370-20**

### 3/8" Close Quarter Angle Drill

- Metal-framed gear train for longer gear life
- Large paddle trigger for smooth control and easy grip in any position
- Angled chuck for reaching close quarters other drills cannot reach
- Textured palm grip reduces slipping

**MET0370-20**

## Drill Doctor®



### Drill Doctor® 500X Standard Replacement Wheel (X Model)

- Sharpens 3/32–1/2" standard-twist bits, high-speed steel, masonry, carbide, cobalt, TiN-coated, and split-point
- Sharpens 118° and 135° bits
- Creates exclusive Quad cut split-points for less "walking"
- Variable alignment lets you adjust chisel and relief angles
- Quick change diamond sharpening wheel, no tools needed

**DRXDA31320GF** Standard Replacement Wheel (X Model)



**DRXDA31320GF**

### Original Drill Doctor®, Standard Replacement Wheel (Original Model)

**DRXDD1326GA** Standard Replacement Wheel (Orig. Model)



**DRXDD1326GA**

### Drill Doctor® 500X, Left Hand Chuck (X Model)

- Sharpens 3/32–1/2" standard-twist bits, high-speed steel, masonry, carbide, cobalt, TiN-coated and split-point
- Sharpens 118° and 135° bits
- Creates exclusive Quad cut split-points for less "walking"
- Variable alignment lets you adjust chisel and relief angles
- Quick change diamond sharpening wheel, no tools needed

**DRXDD500X**

**DRXDA02105PF** Left-Hand Chuck (X Model)

**DRXDA70100PF** 3/4" Chuck (X Model)



**DRXDD500X**

### Drill Doctor® 750X Drill Bit Sharpener

All the Features of 500X, Plus:

- Sharpens 3/32–3/4" with a single, convenient chuck
- Sharpens high-speed steel, masonry, carbide, cobalt and tin-coated bits
- Adjustable point angle lets you choose any angle from 115–140°
- Creates split-points for less "walking"
- Adjustable material take-off – sharpen heavily damaged bits faster or just touch up slightly dull bits
- Variable alignment lets you adjust chisel and relief angles
- Includes a blow molded carrying case

**DRXDD750X**



**DRXDD750X**

## Drills 1/2" Capacity



**BADDW235G**

### Heavy Duty 1/2" (13 mm) VSR Drill (0–850 RPM)

- Helical-cut steel, heat-treated gears for increased durability and long gear life
- Metal gear housing for jobsite durability and increased reliability
- Two-finger trigger for increased comfort
- 360° side handle for greater control and versatility

**BADDW235G**

### Heavy Duty Magnum® Drill

- 1/2" capacity
- Trigger speed control: 0–850 RPM; reversing
- 5.5A
- 8' 3-wire Quik-Lok® cord for easy detachment
- Exclusive quick-change brush cartridge system
- All ball and roller bearings
- Heavy duty industrial chuck

**MET0234-6**



**MET0234-6**



# Power Tools: Corded

## Grinders 4-1/2" Capacity

### 4-1/2" 11A Grinder

- Next generation 11A AC/DC 11,000 RPM motor provides the best power-to-weight ratio available
- Dust Ejection System® provides durability by ejecting damaging dust and debris particles that enter the tool through the air intake vents
- Large spiral bevel gear provides long transmission life
- One-Touch™ guard allows for 360° rotation of the guard with a single action
- Quick-Change™ wheel release allows tool free wheel removal without the need of a wrench
- Top mounted and protected spindle lock button maximizes depth of cut without compromising durability
- Side handle provides excellent ergonomics while oversized threading provides durability
- To avoid tool damage, auto-off brushes shut the tool down when the brushes need replacing
- Paddle switch with safety lock-off prevents accidental start-up
- Matching wheel flanges allow the use of common accessories

**BADDWE402**



**DeWALT**

### Heavy Duty 4-1/2" (115 mm) Small Angle Grinder

- 10A AC/DC 11,000 RPM motor designed for faster material removal and higher overload protection
- Dust Ejection System® provides durability by ejecting dust and debris particles that enter the tool through the air intake vents
- Quick-Change™ wheel release provides tool free wheel removal

**BADDWE4214**



## Polisher 7"/9" Capacity

### 7"/9" Variable Speed Polisher

- Powerful, 12A, all ball-bearing construction for long life
- Electronic control maintains specified speed under load, delivering desired finish results
- Conveniently located variable-speed dial lets user set maximum speed from 0–600/3,500 RPM for different materials and applications
- Variable speed trigger allows user to control speed from 0 to dialed maximum setting
- Heat-treated, precision-cut steel gears for smooth operation
- External brush caps for easy servicing
- Large spindle lock button allows for easy and quick backing plate changes

**BADDWP849**

**BADDWP849X** with Soft Start and Gear Cover



**DeWALT**

## Rotary Moto-Tools, Kits and Accessories

**DREMEL**



**DRE3000-228**

### 300 Series Variable Speed Rotary Tool Kit

- Variable speed from 5,000–35,000 RPM
- Lightweight design for comfort during prolonged use
- Comfort grip housing for easier handling and better tool control
- Coordinated function for Dremel® exclusive attachments
- Click-and-set switch allows precise speed selection

**Kit Includes 28 Accessories:** Variable speed rotary tool, lawn mower and garden tool sharpener, multipurpose cutting guide attachment, wrench, accessory case, engraving cutters, 3/32" engraving cutter, 1/8" drill bit, (2) high-speed bits, (3) arborers, (2) brushes, roughly 1/2" sanding drum, roughly 1/2" sanding band, small felt wheels, polishing powder, 1-1/4" fiberglass reinforced cutting wheels, carbon-steel brush, felt wheel, 1/2" 120 grit sanding band, 1/2" 240 grit sanding band and 3/32" collet and coarse

**DRE3000-228**

### Super Accessory Kit

- Modern tackle box style case with permanent storage bin is for easy organization
- Feet for added support to stand on a shelf
- Hanging tab molded on case for walls or racks
- Includes the newest Dremel® innovation accessories
- Clear, easy open/close case cover to quickly find accessories
- Accessories can be used with tools DRE3000-228 and DRE7700-115

**DRE709-02**



**DRE709-02**

## Swivel-Head Shears

### Heavy Duty 18 Gauge Swivel-Head Shear

- Powerful, 5.0A, all ball-bearing motor for long life
- Head swivels 360° for cutting convenience
- Cuts 7/32" strip which continuously curls out of cutting area for clear line-of-sight
- Variable speed permits cutting of a wide variety of thicknesses
- Cuts radius of 5-1/2" and larger

**BADDW890**



**DeWALT**

### Heavy Duty 14 Gauge Swivel-Head Shear

- Powerful, 5.0A, all ball-bearing motor for long life
- Head swivels 360° for cutting convenience
- Cuts 7/32" strip which continuously curls out of cutting area for clear line-of-sight
- Variable speed permits cutting of a wide variety of thicknesses

**BADDW891**





## Batteries and Accessories (Milwaukee®)



**MET48110100**

### Battery 2.4 V MET65466

- 2 speed

#### Specifications:

RPM: 400/200, diameter: 1.4", length: 9-3/8", net weight: 7/8 lb

**MET48110100**

### Batteries

**MET48111024** 14.4 V Battery – 2.4 Ah – Slide-on Style

**MET48590255** 12/14.4/18 V Batteries – Slide-on Style



**MET48111024**



**MET48590255**

## Batteries and Chargers (DeWalt®)



**BADDW9057**

### 7.2 V Compact Battery Pack

- 10% lighter than standard batteries
- 15% smaller than standard batteries
- Powers the DeWalt® line of 7.2 V tools allowing users to run multiple tools off the same battery pack

**BADDW9057**



**BADDW9061**

### 9.6 V Battery

- High-capacity battery has 25% more run time than compact batteries
- Powers entire DeWalt® line of 9.6 V tools except Univolt® tools, allowing user to run multiple tools off the same battery pack

**BADDW9061**

## Batteries and Chargers (Makita®)



**MAK1931567**



**MAK1931575**



**MAK1931583**

### Batteries

**MAK1931567** 9.6 V 2.6 Ah Pod Battery

**MAK1931575** 12 V 2.6 Ah Ni-MH Battery

**MAK1931583** 14.4 V 2.6 Ah Ni-MH Battery

**MAK1939793** 9.6 V 1.3 Ah Pod Battery



**MAK1939793**

## Miscellaneous



**MAKDC1804**

### Charger

7.2-18 V 1.3-3.0 Ah NiMH and Ni-Cad Charger

**MAKDC1804**

### Miscellaneous

**MAK231964-9** Anvil Ring

**MAK7631321** Keyless Chuck

**MAK784810A** Finder/Driver

**MAKA97025** 1/4"-1/4" Hex Adaptor

**MAKA97053** 1/4"-3/8" Hex Adaptor



**MAK7631321**



**MAK784810A**



**MAKA97025**



**MAKA97053**

## Power Tools: Accessories



**ABU43-160WH**

### 160 mm Flexible Backing Plate

- GRIP EASY™ Edge for fast, easy pad changes
- Durable molded polyurethane construction
- Flexible center hub ideal for surface contours
- Plated steel threaded insert
- Steel reinforced inner construction

**ABU43-160WH**



**LIL12050**

### Magnetic Universal Chuck Key

- (2) handy chuck keys, each with four sizes
- Both tools have strong neodymium magnets for attachment close to the worksite or toolbox
- 8 different chuck key sizes cover the most popular chucks available
- Cast from alloy steel for strength

**LIL12050** Small

**LIL12060** Large



### HD Right Angle Attachment

- Attachment is ideal for cordless drills and uses standard 1/4" hex accessories
- Compact design allows work in tight areas
- Durable all-metal housing and steel gears
- Rated up to 235 in.-lb of torque
- Quick change chuck

**MET49228510**



**MET49228510**

# Promotional and Novelty Items



## Therm-O Super Tote

- Hand washable, water-repellent and tear-resistant
- Dual reinforced 20" handles
- 15" H x 13" W x 10" D
- Imported. Imprinted
- Black
- Contents not included

SWN324701



SWN324701

## High Sierra® Duffel/Pack

- Coated, water-resistant, 600-denier polycanvas
- Zip main compartment. Interior zip mesh pocket
- Bag can be carried as a duffel or a backpack
- 24" W x 12-3/4" H x 12" D
- Imported. High digital transfer. Black

SWN9999141



SWN9999141



## Igloo® Rowan Lunch Cooler

- PVC- and phthalate-free 600-denier polyester and 300-denier heathered polyester with leak-resistant, antimicrobial PEVA heat-sealed lining
- Easy-access top compartment
- Bottom compartment. Top grab handle
- Seven-can capacity
- 7" W x 10-1/4" H x 5" D
- Imported; Screen printed; Black

SWN9999142



SWN9999142

## Clear Drawstring Bag

- See-through vinyl
- Drawstring top closure with ropes doubling as shoulder straps
- 13-1/4" W x 15-1/4" H x 1/4" D
- Imported; Screen Printed; Black

SWN9999143



SWN9999143



## 18 oz Palermo Tumbler

- Double-wall, vacuum-insulated 18/8 stainless steel thermal tumbler with powder coated finish
- Stainless steel rim
- Clear, push-on lid with sliding closure
- Hand wash recommended
- Do not microwave
- Imported. Screen print. Matte white

SWN9999368



SWN9999368

## Pull Apart Key Tag

- Separate house keys from car keys instantly
- Snap-on® logo is protected with the Perma-Dure® process
- Features sturdy interlock system
- CA residents see page 365 for Proposition 65 warning. ⚠

WLD418001



WLD418001



WLD426512

## Logo Banner

- Polyplastic banner with wind slits and reinforced grommets
- 8' W x 3' H

WLD426512



WLD433261

## 31" Logo White Die Cut Decal

- 31" W x 6" H
- Adhesive decal

WLD433261

# Promotional and Novelty Items



## Key-BAK® Key Reel

- Super duty Kevlar® cord extends 48"
- Load capacity up to 15 keys or 8 oz on 1-1/4" split ring
- Belt clip and belt loop attachment
- Ball-joint feature secures keys when retracted
- CA residents see page 365 for Proposition 65 warning. ⚠

WLD437003



WLD437003

## Tech Handy Bag

- 10-3/4" W x 6-1/2" H x 6" D
- 900-denier polyester
- Useful and practical bag for a variety of applications
- CA residents see page 365 for Proposition 65 warning. ⚠

WLD440101BAG



WLD440101BAG



WLD499005A

## Decal Kit

- Kit contains a mix of (30) new and classic Snap-on® decals
- CA residents see page 365 for Proposition 65 warning. ⚠

WLD499005A



WLD605003

## Magnetic Pick-up Tool

- Powerful magnet extends up to 24"
- Black plastic handle features pocket clip
- CA residents see page 365 for Proposition 65 warning. ⚠

WLD605003



WLD605016

## Red Screwdriver with Valve Stem

- Red mini driver with flat tip blade
- Valve stem remover on back end of plastic handle
- Features pocket clip
- CA residents see page 365 for Proposition 65 warning. ⚠

WLD605016



## Magnetic Screwdriver Bucket

- Magnetic screwdrivers with flat steel blade
- Red plastic handle includes pocket clip
- Plastic bucket
- Snap-on® logo in white

WLDSP007 150 pc Bucket

WLDSP007IND Individual Screwdriver



WLDSP007

## Hi-Vis Screwdriver Magnetic Bucket, 150 pc

- Magnetic screwdriver with flat steel blade
- (75) Hi-Vis Green and (75) Hi-Vis Orange
- Plastic handle includes pocket clip
- Plastic bucket
- Snap-on® logo in black

WLDSP019 150 pc



WLDSP019



## Pocket Knife Bucket

- Includes (100) multifunction pocket knives; (50) black and (50) red
- 2-1/4" long, closed
- Cutting blade, scissors, nail file, tweezers, and toothpick
- Plastic bucket

WLDSP1122



WLDSP1122



## Bottle Opener/Key Ring Bucket

- (50) red and (50) black bottle openers with split ring
- 2-1/2"
- Plastic bucket, Snap-on® logo in white
- CA residents see page 365 for Proposition 65 warning. ⚠

WLDSP1205



WLDSP1205



# Promotional and Novelty Items



## Black Duffie

- Ballistic polyester, reflective accents
- Two end pockets with elastic straps
- Metal hardware
- 12" W x 12" D x 24" L
- Imported. Embroidered
- CA residents see page 365 for Proposition 65 warning. ⚠️

WLDSP1291



WLDSP1291



WLDSP1202

## White Mug 4-Pack

- 11 oz. C-handle mug
- Microwave and dishwasher safe
- Imprinted

WLDSP1202



## Fender Wall Clock

- Polystyrene frame and lens
- (1) AA battery included
- 14" diameter x 1" depth
- Imported. Imprinted

WLDSP1576



WLDSP1576

## Non-Spill Sippy Cup

- 5 oz plastic
- Screw-on lid
- Hand wash only, do not microwave
- Imported. Imprinted

WLDSP1581



WLDSP1581



## Foam Seat Cushion

- Durable foam seat cushion
- Lightweight with carry handle
- 13" W x 14" D
- Imported. Imprinted

WLDSP1583



WLDSP1583



## Flask Set

- 9 oz stainless steel flask with black faux leather cover
- Bottle opener/corkscrew tool
- (2) stainless shot glasses and a stainless funnel
- Imported. Imprinted
- CA residents see page 365 for Proposition 65 warning. ⚠️

WLDSP1584



WLDSP1584



## Magnetic Can Cooler

- Pack of 10, two each: black, lime, purple, red, yellow
- Neoprene construction
- Holds to any steel surface
- Imported. Imprinted

WLDSP1585

WLDSP1585



## Charging Cable

- 3-in-1 with micro, type C, and Apple® tips
- 47" cord
- Supports 2A current
- Imported. Imprinted

WLDSP1586



WLDSP1586



## Black Collar/Leash Combo

- 1" W x 47-1/4" L leash with metal clip
- Collar adjusts up to 23-1/2" with metal D-ring
- Polyester webbing
- Imported. Imprinted

WLDSP714



WLDSP714



## Logo Decal Sheet

- 6" W x 7-1/4" H sheet
- One sheet equals ten decals
- Peel and apply

WLDSSX1982IN



WLDSSX1982IN



## Crankshaft Tools



OTC7912

### Crankshaft Balancer Puller Kit

- Everything you need to pull harmonic balancers with three tapped holes
- Shoulder bolts are designed to prevent them from being installed too deeply, protecting the crank sensor and/or interrupter rings from damage
- Spacer adaptor gives the puller's forcing screw something to push against

#### Applicable:

1990–2002: 3300 and 3800 V6 engines

OTC7912

### Universal 2 and 3 Jaw Puller Set with Narrow Quick, Adjusting Jaws

- Made In Germany
- For removing bearings, gears, discs, etc. in the automotive segment
- 8 in 1 set. 8 combinations with the 2 and 3 arm pullers in 1 set
- Universal when pulling off transmission gears, bearings and pinions
- The thin pulling hooks are suitable for narrow, difficult-to-access spaces
- Three-arm design ensures that the load is distributed evenly and that the part to be removed is held securely
- A manual adjustment knurl allows rapid loosening and adjusting of the extractor jaws on the cross-beam without using a wrench
- Turning the pulling hooks enables them to be used both externally and internally
- Parallel pulling hooks provides a strong aggressive pull with no kick-out
- 5 1/8" (130 mm) Spread and 13 3/4" (350 mm) Reach



KUKK203010S

KUKK203010S

### Hub Grappler® Kit for Ford® Vehicles

- Complete solution for servicing wheel hubs and bearings on the vehicle without removing the steering components or knuckle
- Eliminates unnecessary alignments for the use of a shop press, cutting service time dramatically
- Specifically designed to apply maximum force with minimal effort from an impact gun to also minimize service time
- New jaws are designed and sized to properly fit hub applications and can be quickly located on the puller bar without the use of fasteners
- 3/4" custom drive screw coupled with the special equalizer washer provides smooth operation while the proprietary heat treating extends its life 5x–10x longer than similar designs
- Six new adaptors increases application coverage up to 2009 model year

OTC6575

#### Includes:

- OTC6575-1 Hub Grappler® Puller
- OTC6575-2 Hub Tamer® Update Kit
- OTC6575-3 Tube
- OTC6575-4 Tube (4.00 O.D. x 3.75 I.D.)
- OTC6575-5 Tube
- OTC6575-6 Large Tube
- OTC6575-7 Small Tube
- OTC6575-8 Adaptor
- OTC6575-9 Adaptor (2-Step)
- OTC314311 BRG Installer (3.29 O.D. x 1.67 I.D.)
- OTC6575-11 BRG Installer (3.48 O.D. x 1.67 I.D.)
- OTC6575-12 Adaptor (2 Step)
- OTC6575-18 Installer Wheel Hub
- OTC6575-21 Installing Bearing
- OTC6575-24 Remover Bearing
- OTC6575MAN Hub Grappler® Application Guide
- OTC55656 Replacement Forcing Screw for the OTC6575



OTC6575

## Puller Kits

### Universal Puller Set with 204-V and 210-1 Pullers and Side Clamp

- Made In Germany
- For safe and simple disassembly of the bearings, gears, inner races, pitman arms, etc
- Set can be used in many pulling processes thanks to the various puller arms of the 204-V and 210-1 pullers
- Using the side clamp, the sharp pulling hooks of the 204-V are forced under the inner race to enable easy and safe pulling
- Pulling hooks of the 210-1 are reversible, with the standard hooks on one end and the slender sharper hooks on the other end to be used like a separator
- Multiple boreholes on the pulling hooks of the 210-1 allow for work with variable clamp depths up to 170 mm



KUKK204V2101

KUKK204V2101

### Universal 2 and 3 Jaw Puller Set with Narrow and Standard Quick, Adjusting Jaws

- Made In Germany
- For removing bearings, gears, discs, etc. in the heavy equipment segment
- 14 in 1 set. 14 combinations with the 2 and 3 arm pullers in 1 set
- Universal when pulling off transmission gears, bearings and pinions
- The thin pulling hooks are suitable for narrow, difficult-to-access spaces
- Three-arm design ensures that the load is distributed evenly and that the part to be removed is held securely
- A manual adjustment knurl allows rapid loosening and adjusting of the extractor jaws on the cross-beam without using a wrench
- Turning the pulling hooks enables them to be used both externally and internally
- Parallel pulling hooks provides a strong aggressive pull with no kick-out
- 7 7/8" (200 mm) Spread and 23 5/8" (600 mm) Reach



KUKK203020S

KUKK203020S



# Pullers

## Pullers: Blind Hole Bushing/Bearing

### Blind Hole Bushing and Bearing Puller Master Kit

- Developed to be the most extensive/professional set ever assembled
- All pieces of this master kit have their own compartment within its storage case

#### SIRST9006

##### Includes:

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| <b>SIRST9006-SH</b> Slide Hammer    | <b>SIRST9006-17</b> 17–20 mm Collet |
| <b>SIRST9006-8</b> 8–10 mm Collet   | <b>SIRST9006-20</b> 20–24 mm Collet |
| <b>SIRST9006-10</b> 10–12 mm Collet | <b>SIRST9006-25</b> 25–29 mm Collet |
| <b>SIRST9006-12</b> 12–14 mm Collet | <b>SIRST9006-30</b> 30–32 mm Collet |
| <b>SIRST9006-15</b> 15–17 mm Collet |                                     |



SIRST9006

## Pullers: General Purpose



KUK1421

### Universal Wiper Arm Puller

- Made In Germany
- For pulling front tight fitting, rusted and deep set wiper arms
- One piece, open bell shape design makes it suitable for most wiper arms of Audi®, VW®, BMW®, Ford®, Chevrolet®, Mercedes-Benz® and others
- 5/8" (15 mm) opening
- One piece design results in an aggressive high pulling force
- Wiper arms can be pulled without removing the hood
- KUK1421 is part of the KUKK1424 Set

#### KUK1421



KUK1422

### Universal Wiper Arm Puller

- Made In Germany
- For pulling front tight fitting, rusted and deep set wiper arms.
- One piece, open bell shape design makes it suitable for most wiper arms of Audi®, VW®, BMW®, Ford®, Chevrolet®, Mercedes-Benz® and others
- 7/8" (23.5 mm) opening
- One piece design results in an aggressive high pulling force
- Wiper arms can be pulled without removing the hood

#### KUK1422



KUK1423

### Universal Wiper Arm Puller

- Made In Germany
- For pulling front tight fitting, rusted and deep set wiper arms
- One piece, open bell shape design makes it suitable for most wiper arms of Audi®, VW®, BMW®, Ford®, Chevrolet®, Mercedes-Benz® and others
- 5/8" (15 mm) opening
- One piece design results in an aggressive high pulling force
- Wiper arms can be pulled without removing the hood

#### KUK1423



KUK1424

### Universal Wiper Arm Puller

- Made In Germany
- For pulling front tight fitting, rusted and deep set wiper arms
- One piece, open bell shape design makes it suitable for most wiper arms of Audi®, VW®, BMW®, Ford®, Chevrolet®, Mercedes-Benz® and others
- 1 1/16" (26.5 mm) opening
- One piece design results in an aggressive high pulling force
- Wiper arms can be pulled without removing the hood

#### KUK1424

## Pullers: General Purpose

### Universal 2 Jaw Puller with Narrow Quick, Adjusting Jaws

- Made In Germany
- For removing bearings, gears, discs, etc.. in the automotive segment
- The thin pulling hooks are suitable for narrow, difficult-to-access spaces
- A manual adjustment knurl allows rapid loosening and adjusting of the extractor jaws on the cross-beam without using a wrench
- Turning the pulling hooks enables them to be used both externally and internally
- Parallel pulling hooks provides a strong aggressive pull with no kick-out
- 3 1/2" (90 mm) Spread and 3 7/8" (100 mm) Reach

**KUK201S**



**KUK201S**

### Two-Arm Inner Race Puller with Clamp

- Made in Germany
- Thin puller hooks are specifically hardened and smoothed
- Strong integrated side clamp for increased force and to prevent hooks from slipping
- Adaptor fits on all common axial holes
- No cutting, grinding, chiseling or hammering required

**KUK204V**



**KUK204V**

### Universal 3 Jaw Puller with Narrow Quick, Adjusting Jaws

- Made in Germany
- For removing bearings, gears, discs, etc.. in the automotive segment
- The thin pulling hooks are suitable for narrow, difficult-to-access spaces
- Three-arm design ensures that the load is distributed evenly and that the part to be removed is held securely
- A manual adjustment knurl allows rapid loosening and adjusting of the extractor jaws on the cross-beam without using a wrench
- Turning the pulling hooks enables them to be used both externally and internally
- Parallel pulling hooks provide a strong aggressive pull with no kick-out
- 5-1/8" (130 mm) Spread and 3-7/8" (100 mm) Reach

**KUK3010S**



**KUK3010S**

### Universal 3 Jaw Puller with Narrow Quick, Adjusting Jaws

- Made in Germany
- For removing bearings, gears, discs, etc. in the automotive segment
- The thin pulling hooks are suitable for narrow, difficult-to-access spaces
- Three-arm design ensures that the load is distributed evenly and that the part to be removed is held securely
- A manual adjustment knurl allows rapid loosening and adjusting of the extractor jaws on the cross-beam without using a wrench
- Turning the pulling hooks enables them to be used both externally and internally
- Parallel pulling hooks provide a strong aggressive pull with no kick-out
- 3-1/2" (90 mm) Spread and 3-7/8" (100 mm) Reach

**KUK301S**



**KUK301S**

### Long Hydraulic Spindle

- Made in Germany
- Grease hydraulic spindle for pulling particularly tight bearings, gears, discs, etc.
- Easy and even pulling for particularly tight parts
- To be combined with various 2- and 3-armed Kukko® mechanical pulling devices

**KUK801**



**KUK801**

### 10-Ton Auxiliary Hydraulic Ram

- Made in Germany
- Grease hydraulics
- To be combined with various 2- and 3-armed mechanical pulling devices from the Kukko® offering
- Time savings application – no need to replace the pressure spindle as ram fits below the pressure spindle

**KUK901**



**KUK901**

### Pulley Puller/Installer

- Removes and installs pressed on power steering, alternator and air pump pulleys without slipping
- Unique puller body completely houses the pulley hub to prevent slipping on even the tightest pulleys
- Fits most domestic models including GM® 3.1 and Quad 4® engines
- Works on traditional V-shaped pulleys and serpentine belt system pulleys
- Also works faster than other conventional pulley pullers

**LIL39000**

#### Includes:

- LIL28910** Remover Cone
- LIL28920** Installer Cone
- LIL38910** Short 3/8-16 Installing Adaptor
- LIL38920** 8 mm Short Installer Adaptor
- LIL38930** Medium 3/8-16 Installing Adaptor
- LIL38940** Short Pin
- LIL38950** Long Pin
- LIL38960** Long 3/8-16 Installing Adaptor
- LIL38990** Puller Screw

- LIL39010** Small Jaw
- LIL39020** Large Jaw
- LIL39030** Handle
- LIL39040** Washer
- LIL39050** Nut
- LIL39060** Plastic Case
- LIL39070** Pusher Shaft
- LIL40060** Bearing



**LIL39000**

# Pullers

## Pullers: General Purpose

### 5 Ton Puller

- Reversible, 2-jaw, 5 ton puller has a maximum reach of 3-1/4" with a spread of 6", screw size is 9/16"-20 x 6-15/16"
- Upper jaw thickness: 5/16", lower thickness: 1/4"
- Upper jaw width: 3/8", lower jaw width: 3/4"
- Weight: 1 lb, 12 oz

OTC1024



### 5 Ton Single Pressure Beam Bearing Splitter Set

- Single point of adjustment allows quick attachment of splitter to the application
- Pressure beam provides the ultimate in secure gripping surface
- Push puller is thread matched to the splitter
- Interchangeable legs shorten or lengthen the range of pull
- Designed of high-quality, tool-grade materials for a lifetime of use
- For use on most bushing or bearing jobs up to 3" in diameter

OTC4527

OTC4527



### Multipurpose Bearing and Pulley Puller Set

- Wide range of pulling jobs, including: bearings, alternators, generators, power steering and crankshaft pulleys, timing gears and harmonic balancers
- Drop-forged components, which can be used in a variety of combinations
- Spread: 3-5", reach: 1-2-1/4"
- Housed in a blow-molded plastic storage case

**Set Includes:** (2) Forcing screws (live center): 3/4"-16 x 6-11/16" and 3/4"-16 x 5" (2) Cross-bar yokes: 3 pin-hole at 3-1/4-5-1/2" (2) Pin-hole at 2-3/8-3-3/8" (2) Clamp bolts (3) Pairs of puller jaws: 1-3/8" max, 1-5/8" max, 1-3/4" max (1) Pair of jaw pins with ball spring (3) Pairs of capped bolts

OTC4534

OTC4534



### General Purpose Pullers

- You will appreciate these fantastic time-saving tools if you have ever had a puller slip off, snap back or needed an additional pair of hands to hold the jaws for set-up!

Model	Tons	Jaws	Reach	Spread	Weight
POSTJ3	—	3	4"	.5"—5.5"	4 lb
POS103	2	3	3"	.25"—4.5"	1.5 lb
POS104	5	3	4"	.5"—5"	4 lb
POS106	10	3	6"	.5"—7"	8 lb
POS10654	Replacement Jaws for POS106/POS206				
POS10658	Center Bolt for POS106				
POS108	17	3	8"	.75"—12"	11 lb
POS110	20	3	9.67"	1"—15"	16 lb
POS206	6	2	6"	.5"—7"	7 lb



## Pullers: Harmonic Balancer

### Harmonic Balancer Puller for GM®/Chrysler®/Mitsubishi® Vehicles

- Designed for removing damper pulleys in tight engine compartments, without removing the radiator
- Kit contains the 3-jaw puller, four lengths of forcing rods, a forcing screw with a 3/8" square drive for ratchet use and a 3/4" hex for wrench or socket use

#### Applicable:

GM® 2000 Generation III 4.8 L, 5.3 L, 5.7 L, 6.0 L and 8.1 L V8s

Also works on Cadillac® 4.5 L, 4.6 L and 4.9 L V8s beginning in 1988

Chevrolet® trucks 2003-later 4.2 L I6, 2004-current 3.5 L I5 and 2005-current 2.8 L I4

Chrysler® engines from 1990-later, including 2.0 L, 2.4 L cylinder; plus 2.5 L, 2.7 L, 3.3 L, 3.5 L and 3.8 L V6s

Ford® 1995-later V8 engines with 3 spoke pressed on damper

Mitsubishi® Eclipse® 1995-1999 2.0 L DOHC non-turbo

OTC6667



## Pullers: Harmonic Balancer

### Harmonic Balancer Puller Set for Chrysler® Vehicles

- Allows the technician to remove and install the harmonic balancer on the most popular Chrysler® vehicle engines
- Includes puller, which removes the harmonic balancer from the crankshaft; and holding tool, which holds the harmonic balancer when tightening or loosening the crankshaft bolt or removing the balancer

OTC6284



OTC6284

## Pullers: Harmonic Balancer

### Harmonic Balancer Puller for GM®/Chrysler®/Mitsubishi® Vehicles

- Designed for removing damper pulleys in tight engine compartments, without removing the radiator
- Kit contains the 3-jaw puller, four lengths of forcing rods, a forcing screw with a 3/8" square drive for ratchet use and a 3/4" hex for wrench or socket use

#### Applicable:

GM® 2000 Generation III 4.8 L, 5.3 L, 5.7 L, 6.0 L and 8.1 L V8s

Also works on Cadillac® 4.5 L, 4.6 L and 4.9 L V8s beginning in 1988

Chevrolet® trucks 2003-later 4.2 L I6, 2004-current 3.5 L I5 and 2005-current 2.8 L I4

Chrysler® engines from 1990-later, including 2.0 L, 2.4 L cylinder; plus 2.5 L, 2.7 L, 3.3 L, 3.5 L and 3.8 L V6s

Ford® 1995-later V8 engines with 3 spoke pressed on damper

Mitsubishi® Eclipse® 1995-1999 2.0 L DOHC non-turbo

OTC6667



## Pullers: Pulley

### Crank Pulley Puller for Subaru® Vehicles

- Designed to hold harmonic balancer on Subaru® for removal or installation
- Eliminates the need to remove radiator and make space for an impact wrench
- Applications 1.8 L, 2.2 L, 2.2 L Turbo and 2.5 L Subaru® engines
- Save time by not having to remove and bleed air out of the cooling system
- CA residents see page 365 for Proposition 65 warning. ⚠

HRR198



HRR198



## Pullers: Ratcheting



### Ratcheting Pullers

- Time saving, indexing jaw design
- Legs index into position and stay in place, letting you easily support the puller and quickly connect each jaw one at a time to the pulley
- Convert to two and three leg pullers and the jaws reverse from external to internal style in seconds

**KDT3625** 5 Ton – Maximum Reach 4", Maximum Spread 5"

**KDT3626** 7 Ton – Maximum Reach 6-3/4", Maximum Spread 10"

**KDT3627** 2 pc Set – 2 and 5 Ton



KDT3625

## Pullers: Rear Axle Bearing



### Rear Axle Bearing Puller Set

- Each of these pullers makes short work of removing semi-floating rear axle bearings
- Available in three sizes to service most domestic cars
- Use with OTC1155, OTC7703 or OTC1156 slide hammer

**OTC7494A**



OTC7494A

## Pullers: Slide Hammer



### 8-Way and 10-Way Slide Hammer Puller Sets

- Two most popular slide hammer puller sets: Silver Slapper and Silver Slapper Plus
- Packaged in a convenient plastic, blow-molded carrying/storage case
- Same great sets with the same versatile pullers and attachments
- Case will hold either the 8-way or 10-way set

**OTC7947** 8-Way Slide Hammer Puller Set

**OTC7948** 10-Way Slide Hammer Puller Set

**OTC32054** Jaw (1-1/4")

**OTC34698** Jaw (2")

**OTC44148** Jaw (6-1/2")



OTC7947



OTC7948

## Pullers: Steering Wheel



### Steering Wheel Puller

- Removes steering wheels on most domestic and imported vehicles, with or without telescoping steering columns
- Five sets of cap screws are included for the various thread requirements
- Forcing screw features a swivel end to protect steering shaft
- Cap screws included (pairs): 3/8"-16 x 3-1/2"; 5/16"-18 x 3-1/2"; 5/16"-24 x 3-1/2"; M8-1.25 x 90 mm; and 5/16"-18 x 4" (S.I.R.)



OTC7245

### Steering Wheel Lock Plate Compressor

- Compresses the steering wheel lock plate to remove or install the snap ring

#### Applicable:

Accessing the signal switch and S.I.R. modules on current GM®, AMC® and Chrysler® vehicles with tilt or conventional steering columns

**OTC7815**



OTC7815

**OTC7245**

### Steering Wheel Remover/Lock Plate Compressor Set

- Remove steering wheels of most domestic or imported vehicles, with or without tilt steering columns
- Includes OTC7245 steering wheel puller, including five sets of cap screws and OTC7815 steering wheel lock plate remover, which compresses the lock plate when removing or installing the snap ring
- Accesses the turn signal switch and S.I.R. modules on current GM® vehicles
- Includes OTC7889 steering pivot pin remover

#### Applicable:

Older GM®, AMC® and Chrysler® vehicles with tilt or conventional steering columns, 1969-current GM® and Ford® vehicles with Saginaw steering columns

**OTC7927A**



OTC7927A

### Steering Wheel Puller Leg Kit

- Used with OTC7245 or OTC7403 steering wheel puller

#### Applicable:

Pontiac® (1988-1993 Lemans®, 1997-current Grand Prix®, Transport van); Cadillac® (1997-current Catera®); Buick® (1997-current Park Avenue®, Regal®); Chevrolet®/GMC® (1997-current Malibu®, Corvette® vehicles, 1998-current C- and K- series trucks, full-size vans, Astro/Safari® vans); Ford® (1997-current Explorer®, F-150® and Ranger® pickup trucks); Chrysler® (1999 Jeep® Cherokee®) vehicles

**OTC7929A**



OTC7929A

See Your  
**Snap-on**  
Representative



**Snap-on**

**GLOVEWORKS<sup>®</sup> HD**  
HEAVY DUTY

• **Raised Diamond Texture** • **Heavy Duty** • **8-mil**

**Orange Nitrile Diamond Texture  
Powder Free Gloves**

Small: AGPGWON42100 Medium: AGPGWON44100  
Large: AGPGWON46100 X-Large: AGPGWON48100  
XXL: AGPGWON49100

**Green Nitrile Diamond Texture  
Powder Free Gloves**

Medium: AGPGWGN44100 Large: AGPGWGN46100  
X-Large: AGPGWGN48100 XXL: AGPGWGN49100

# Shop Safety and Safety Apparel

## Apron



### Work Apron

- Allows quicker access to tools and parts
- Expanded to cover more of the chest
- Ballistic nylon construction, double stitching, adjustable length-wide webbing neck and waist straps
- Internal hanging pockets and dual side-of-the-waist hammer hanger loops
- Resistant to water and certain solvents; machine washable
- Fits waist sizes 28–44

**MXWMG05600**

**MXWMG05600**



## Dust Respirator



**MMM07048**

### 3M® Automotive Dust Respirator

- Lightweight, completely disposable dust respirator
- Easy to breathe through
- Allows the user to talk in a normal tone
- Does not restrict vision
- NIOSH approved for certain dusts
- 20 per box

**MMM07048**

## Face Shield



### Uvex® Bionic® Face Shield

- Redefines a new level of technology in the face shield category
- Over 15 design patents, the Uvex® Bionic® shield revolutionizes the safety market
- Advanced ergonomic design combines superior protection and all-day comfort with professional features that workers desire
- Enhanced protection from airborne debris
- Excellent optics and increased visibility
- Easily replaceable visor with dual position choices
- Secure visor attachment
- Lightweight and balanced, ergonomic design for extended use
- Comfortable cell foam on back of headgear
- Breathable, removable and washable headband
- Black matte finish

- Comfortably worn with most goggles and respirators
- Face shield offers secondary protection and must be worn with spectacles or goggles
- Perfect for workers exposed to falling or flying objects, impact, chemical splash and airborne debris
- Visor Tint: Clear Polycarbonate Visor Coating: Uncoated Description: Black Matte Face

**BDAS8500** Black Matte Face, Clear Polycarbonate Tint and Uncoated Visor Coating

### Replacement Parts:

**BDAS8550** Clear Polycarbonate Tint and Uncoated Visor

**BDAS8560** Shaded 3.0 Polycarbonate Uncoated Visor

**BDAS8565** Shaded 5.0 Polycarbonate Uncoated Visor



**BDAS8500**

## Gloves: Hybrid

### Hand-E-Glove®

- Protects and shields your hands from dirt, grease, chemicals, and harsh contaminants while you work
- Conditions
- Moisturizes
- Non-greasy
- Anti-static protection

**CGLEEP-102**



**CGLEEP-102**

### Hybrid Electric Service Glove Class 0

- Meets ASTM® D120 standards
- Class 0, Type 1
- 12" L rolled cuff
- Lightweight
- Natural rubber
- Protects up to 1,000V AC/1,500V DC

**SAS6417** Medium

**SAS6418** Large



**SAS6417**

### Hybrid Electric Service Glove Kit

**Kit Includes:** Hybrid Electric Service Glove; Leather Overglove; Canvas Storage Bag

**SAS6477** Medium

**SAS6478** Large

**SAS6479** X-Large



**SAS6477**



## Gloves: Latex

### Heavy Duty Exam Grade Latex Gloves

- Extra thick 15 mil
- Extra long 12"
- Textured for superior wet or dry grip
- Superb tensile strength
- Powder-free
- 50 gloves per box

**AGPGPLHD84** Medium

**AGPGPLHD86** Large

**AGPGPLHD88** X-Large



**AGPGPLHD84**

### Gloveworks® HD Gloves

- Extra thick 8 mil, latex
- Textured for a superior wet or dry grip
- Twice as thick as a standard disposable glove
- Powder-free
- 100 gloves per box

**AGPILHD42100** Small

**AGPILHD44100** Medium

**AGPILHD46100** Large

**AGPILHD48100** X-Large

**AGPILHD49100** XX-Large



**AGPILHD42100**





# Shop Safety and Safety Apparel

## Gloves: Latex

### Black Dragon® Latex Gloves

- Easy to slip on; the fully textured surface gives a more secure grip on tools and equipment
- Black color provides better framing effect and color definition
- Eliminates distractions from stains and coloring on the glove which provides better eye focus
- Manufactured under an ISO® 13485 quality system
- Lab- and field-tested to meet or exceed stringent ASTM® criterion to withstand pinhole defects for unsurpassed protection
- Standard examination length, beaded
- Fully textured; powder-free
- 100 gloves per box



MFCBD1002PF

MFCBD1002PF Medium  
MFCBD1003PF Large  
MFCBD1004PF X-Large

### Micro One® Lightly-Powdered Latex Gloves

- Made from soft latex, this glove features a smooth surface for uncompromising tactile sensitivity
- Non-chlorinated for greater overall durability
- Beaded cuff
- Lightly powdered
- Glove profile: Length: 9.4"
- Cuff Thickness: 5.1 mil.
- Palm Thickness: 6.3 mil.
- Finger Thickness: 7.1 mil.



MFCM0150L

MFCM0150L Large  
MFCM0150M Medium  
MFCM0150XL X-Large

## Gloves: Leather

### Fabricator Glove

- 100% genuine leather, heavy-duty glove for fabricators or anyone needing a sturdy leather glove
- Heat-resistant cowhide panels, palm and fingertip reinforcements and a leather dual-layer knuckle band
- Large open cuff with hook-and-loop closure makes it easy to get the glove on and secured
- Intended uses: automotive repair, general-purpose, towing and transportation, securing cargo or heavy equipment operation



MXWMFG05009

MXWMFG05009 Medium  
MXWMFG05010 Large  
MXWMFG05011 X-Large

### Thermal Knit

MXWMCWKD500 Small/Medium  
MXWMCCKD540 Large/X-Large



MXWMCCKD540

### Diamond Grip™ Powder-Free Latex Gloves

- Thickest at the fingertips for greater barrier protection
- Textured fingers for gripping in wet and dry conditions
- Fully chlorinated
- Beaded-cuff

#### Glove profile:

- Length: 9.8"
- Cuff Thickness: 5.1 mil
- Palm Thickness: 6.3 mil
- Finger Thickness: 9.1 mil



MFCMF300L

MFCMF300S Small  
MFCMF300M Medium  
MFCMF300L Large  
MFCMF300XL X-Large

### Safegrip® Powder-Free Latex Gloves

- 4x thicker than standard examination gloves
- Added durability in the palm and fingers
- Textured fingers for a secure grip in wet or dry conditions
- Extended cuff for increased protection over the wrist and forearm



MFCSG375L

MFCSG375S Small  
MFCSG375M Medium

MFCSG375L Large  
MFCSG375XL X-Large

## Gloves: Mechanics

### Mechanic's Gloves

- Anti-slip
- Double stitched
- Reinforced fingertips and palms

BLS300M Medium

BLS300L Large

BLS300XL X-Large



BLS300L

### FastFit® Glove

- Form-fitting TrekDry® material keeps working hands cool and comfortable
- Stretch-elastic cuff provides a secure fit to the wrist
- Reinforced thumb and index finger provide added durability
- Anatomically designed two-piece palm design eliminates material bunching
- Pinched fingertip construction improves fingertip strength and durability
- High-dexterity 0.6 mm synthetic leather provides optimal dexterity
- Touchscreen-capable synthetic leather keeps you connected while you work
- Machine-washable

MXWMFF05008 Small

MXWMFF05009 Medium

MXWMFF05010 Large

MXWMFF05011 X-Large

MXWMFF05012 XX-Large



MXWMFF05008



## Gloves: Mechanics



### Original® Glove

- Durable synthetic leather palm provides ultimate dexterity
- Two-way stretch knit M-Span on the back of hand provides comfort and ventilation
- TPR wrist closure for secure fit
- Machine washable

**MXWMG05008** Black, Small  
**MXWMG05009** Black, Medium  
**MXWMG05010** Black, Large  
**MXWMG05011** Black, X-Large  
**MXWMG05012** Black, XX-Large



**MXWMG05008**

### M-Pact® II Glove

- Extreme accordion style knuckle guard with dense EVA foam with integrated molded-rubber finger protection provides ultimate back of the hand protection
- Rubberized grip panels on the thumb, fingertips and palm for improved control
- Hook-and-loop wrist closure provides a positive fit
- Machine washable

**MXWMP205008** Black, Small  
**MXWMP205009** Black, Medium  
**MXWMP205010** Black, Large  
**MXWMP205011** Black, X-Large  
**MXWMP205012** Black, XX-Large



**MXWMP205009**

### M-Pact® Glove with PORON® XRD Extreme Impact Protection

- High impact PORON® XRD padding in the palm absorbs shock and vibration
- Rubberized grip on thumb, index finger and palm
- Sonic-molded rubber on knuckles and fingertips for added protection
- Moisture-wicking TrekDry® material keeps hands cool, dry and comfortable
- TPR wrist closure for secure fit
- Machine washable

**MXWMP58008** Black/Gray, Small  
**MXWMP58009** Black/Gray, Medium  
**MXWMP58010** Black/Gray, Large  
**MXWMP58011** Black/Gray, X-Large  
**MXWMP58012** Black/Gray, XX-Large



**MXWMP58008**

### Knit Nitrile

**MXWND05500** Small/Medium  
**MXWND05540** Large/X-Large



**MXWND05500**



### CR5 Cut Resistant Glove

- Fluorescent, ANSI-107 compliant TrekDry® material helps keep hands cool and comfortable
- Synthetic palm with an internal layer of Armortex® Cut delivers CE level 5 cut resistance
- Thermal Plastic Rubber (TPR) closure with hook and loop provides a secure fit
- Reinforcement panels in high wear areas improve durability
- Machine washable

**MXWSMGC91008** Small  
**MXWSMGC91009** Medium  
**MXWSMGC91010** Large  
**MXWSMGC91011** X-Large  
**MXWSMGC91012** XX-Large



**MXWSMGC91008**

## Gloves: Nitrile



**AGPGPNB44100**



**AGPGPNHD64**



**AGPGWBN44**

### Black Nitrile

- Textured for superior wet or dry grip
- Superb tensile strength
- Powder-free
- Latex-free
- 100 gloves per box

**AGPGPNB44100** Medium  
**AGPGPNB46100** Large  
**AGPGPNB48100** X-Large  
**AGPGPNB49100** XX-Large

### Heavy Duty Nitrile

- Extra thick 8 mil
- Extra long 12"
- Textured micro-roughened for non-slip wet gripping power
- Powder-free
- Latex-free
- 50 gloves per box

**AGPGPNHD64** Medium  
**AGPGPNHD66** Large  
**AGPGPNHD68** X-Large

### HD Black Nitrile Gloves

- Superior durability
- Raised diamond texture provides an excellent grip wet or dry
- Better performance, better protection and better safety
- Powder free, diamond textured; chlorinated and latex free
- 100 gloves per box, 10 boxes per case

**AGPGWBN44** Medium, Black  
**AGPGWBN46** Large, Black  
**AGPGWBN48** X-Large, Black  
**AGPGWBN49** XX-Large, Black

# Shop Safety and Safety Apparel

## Gloves: Nitrile

**AMMEX**

### Gloveworks® HD Green Nitrile Gloves

- Perfect for heavy-duty applications and for any job where high-visibility colors are needed
- Raised diamond texture creates 60 percent more surface area than standard nitrile gloves
- High-visibility and super diamond plate texture for enhanced grip in greasy/wet applications
- Powder-free and latex-free
- Glove has three times the puncture and chemical-resistance of a latex or vinyl glove

**AGPGWGN44100** Medium

**AGPGWGN46100** Large

**AGPGWGN48100** X-Large

**AGPGWGN49100** XX-Large



**AGPGWGN44100**

**AMMEX**

### HD Orange Nitrile Gloves

- High-visibility orange
- Superior durability
- Raised diamond texture provides an excellent grip wet or dry
- Better performance, better protection and better safety
- Powder free, diamond textured; chlorinated and latex free
- 100 gloves per box, 10 boxes per case

**AGPGWON42100** Small

**AGPGWON44100** Medium

**AGPGWON46100** Large

**AGPGWON48100** X-Large

**AGPGWON49100** XX-Large



**AGPGWON44100**

**AMMEX**

### HD Royal Blue Nitrile Gloves

- Superior durability
- Raised diamond texture provides an excellent grip wet or dry
- Better performance, better protection and better safety
- Powder free, diamond textured; chlorinated and latex free
- 100 gloves per box, 10 boxes per case

**AGPGWRBN44** Medium, Royal Blue

**AGPGWRBN46** Large, Royal Blue

**AGPGWRBN48** X-Large, Royal Blue

**AGPGWRBN49** XX-Large, Royal Blue



**AGPGWRBN44**

**MICROFLEX**  
THE MOST TRUSTED NAME IN GLOVES

### Dura Flock® Nitrile Gloves

- 8 mil nitrile, 25% thicker than standard disposable gloves for increased durability and superior protection
- Extremely comfortable to wear for extended periods, reducing hand fatigue
- Exclusive ultra-thin, moisture-absorbing flock-lining keeps hands dry
- Fully textured for a firm, reliable grip
- 100% nitrile, latex-free
- Case (10 boxes, 50 each box)

**MFCDFK608M** Medium

**MFCDFK608L** Large

**MFCDFK608XL** X-Large

**MFCDFK608XXL** XX-Large



**MFCDFK608L**

**MICROFLEX**  
THE MOST TRUSTED NAME IN GLOVES

### MidKnight® Powder-Free Nitrile Gloves

- Best combination for comfort and durability in a nitrile glove
- Consistent performance in demanding automotive environments
- Fully textured for a firm and reliable grip during wet applications
- Unique black color makes grease and stains disappear allowing for improved customer interaction and appearance
- Case (10 boxes, 100 each box)

**MFCMK296M** Medium

**MFCMK296L** Large

**MFCMK296XL** X-Large

**MFCMK296XXL** XX-Large



**MFCMK296L**

**MICROFLEX**  
THE MOST TRUSTED NAME IN GLOVES

### Supremo® SE Powder-Free Nitrile Gloves

- Soft, durable nitrile formulated for improved strength, durability and greater comfort
- Interior polymer coating makes gloves easy to put on
- Textured fingers allow for reliable grip in wet and dry conditions
- Beaded-cuff
- Online chlorination
- Suitable for high-risk applications and feature an extended cuff to protect the wrist and forearm
- Case (10 boxes, 100 each box)

**MFCSU690S** Small

**MFCSU690M** Medium

**MFCSU690L** Large

**MFCSU690XL** X-Large



**MFCSU690L**

## Hearing Protection

### Dual Volume Control Electronic Safety Ear Muffs

- Sturdy, compact and collapsible
- Each side is independently adjustable for a comfortable fit
- No exposed wiring for increased durability and ideal for easy storage
- Independent volume control and dual external microphones
- Includes AUX audio jack for MP3 players, cellphones or two-way radio use
- Powered by (2) AAA batteries (not included)
- Auto shut-off: sounds over 85 dB; NRR: 21 dB

APT7661



APT7661

### Sync® MP3 Stereo Ear Muff

- Noise-blocking ear muff plus high fidelity stereo sound
- Volume Management Technology™ manages output volume from portable audio devices at 82 dBA
- Provides ideal protection from most low to medium hazardous noise levels
- Includes 3.5 mm input cable, plugs into most MP3 players, mobile phones and other personal audio devices
- Sleek diamond pattern headband looks cool, easy-to-clean

BDA1030110



BDA1030110

## Honeywell

### Radio Hi-Visibility Ear Muff

- Bright green earcups provide high visibility and contrast
- Reflective headband illuminates under light for increased visibility and safety
- AUX input can connect to MP3 players and other audio devices
- Radio volume does not exceed 82 dBA
- Features patented Air Flow Control™ Technology, delivering higher attenuation across all noise frequencies, especially in low frequencies
- Includes (2) AA batteries and 3.5 mm connection cable

BDA1030390



BDA1030390

### Impact® Sport

- Adjustable headband for secure, non-slip fit
- Equipped with an external audio input
- Amplified, quality stereo sound
- Automatic noise protection, shuts off at 82 dBA
- Black leatherette headband
- Low-profile earcup design allows for full clearance of firearm stock
- Includes (2) AAA batteries
- Compact folding design for convenient storage
- Noise reduction rating: NRR 22

BDAR01526

## Honeywell



BDAR01526

### 60 pk Foam Ear Plugs

- Most-used polyurethane foam earplug
- Bell shape delivers maximum in-ear comfort
- Contoured design easier to insert, resists tendency to back-out of ear canal
- Polyurethane foam enhances comfort, especially for long-term wear
- Smooth, soil-resistant closed cell-foam skin prevents dirt build-up

BDARWS-53008

## Honeywell



BDARWS-53008

### Veratti® Folding Ear Muffs

- Quick and easy to fold and stow
- Sturdy and durable construction
- Generous space inside cup provides comfort with ear "breathability"
- Certification: ANSI® S3.19
- NRR: 23 db

ENC5001



**Encon**  
SAFETY PRODUCTS

ENC5001

## Honeywell

### NASCAR® Comfort Ear Muffs

- Bold, racy-red ABS durable cups
- Folding headband collapses for quick stow
- Thick, ribbed padding adds comfort and ventilation
- Double-shell noise reduction technology
- Certification: ANSI® S3.19
- NRR: 26 db

ENC5002N



ENC5002N

## Heat Sleeves

### Mechanix® Heat Sleeves

- 100% heat-resistant woven Kevlar® fabric provides a protective layer of thermal resistance
- Elastic-bead secures fit on finger openings
- Extra-long 17" sleeve protects arm above the elbow
- Exclusive FIBRESHIELD® treated knit material repels oil, fuel and liquids
- Snug-fitting silhouette allows for comfortable use of gloves over sleeve
- Black

MXWMHS05500 1 Pair



MXWMHS05500



# Shop Safety and Safety Apparel

## Knee Pads



SAG14700



### Knee Pads

- Thick foam padding takes the pain out of kneeling on hard surfaces
- Lightweight and flexible
- Provides comfort in durable construction
- Easy to fasten with adjustable hook and loop straps

SAG14700



WHTKP

### Kneeling Pad

- Heavy duty neoprene fabric is durable and rigid
- Pad measures 9" x 20" with 3/4" solid foam interior
- Handle attached for carrying

WHTKP

## Safety Glasses

**Honeywell**



BDAA1200

### Relentless™ Safety Eyewear

- Exclusive North Signature Fit™ simple, adjustment-free fit for a wide range of faces
- 8-base polycarbonate lens and frame system offers wraparound protection
- Soft padded nose piece and temples for added comfort
- Dielectric – contains no metal parts
- Available in a variety of lens tints with both hardcoat and Fog-Ban® anti-fog coatings
- Provides 99.9% UV protection
- Meets the ANSI® Z87.1-2010 standard
- Certified to the requirements of the CSA Z94.3 standard

**BDAA1200** Midnight/Dark Gray Frame, Clear Lens

**BDAA1201** Midnight/Dark Gray Frame, TSR Gray Lens

**BDAA1202** Midnight/Dark Gray Frame, Amber Lens

**BDAA1203** Midnight/Dark Gray Frame, Silver Mirror Lens

**BDAA1204** Midnight/Dark Gray Frame, Indoor/Outdoor Silver Mirror Lens

**BDAA1205** Midnight/Dark Gray Frame, Clear Lens Fog-Ban®

**BDAA1206** Midnight/Dark Gray Frame, TSR Gray Lens Fog-Ban®



BDAS4400

### Uvex Ignite®

- Dual 9-base wraparound unilens
- Sport-styling with close to the face coverage
- Adjustable nose piece and soft temple tip pads for comfort
- Bold temple style, hot colors and high-performance lens tints
- Lightweight and frameless
- Meets current ANSI® Z87.1+ standard

**BDAS4400** Black/Silver Frame, Clear Lens

**BDAS4410** Red/Silver Frame, Clear Lens

**BDAS4411** Red/Silver Frame, Gray Lens

**BDAS4412** Red/Silver Frame, Mirror Lens

**BDAS4413** Red/Silver Frame, Reflective Lens

## Safety Glasses

**Encon®**  
SAFETY PRODUCTS



ENC11SAL1004



ENC11SAL1014



ENC12BRI4014



ENC12BRI4114

### Veratti Salvo Safety Eyewear Clear Lens Gray Temples

- Ultra lightweight frame with a classic style
- Adjustable, soft, ventilated nose pads provide maximum comfort and fit
- Rubberized TPR temples are super soft and provide a no-slip grip
- Ratcheting temple for customized fit
- ScratchCoat®

ENC11SAL1004

### Veratti Salvo Safety Eyewear Gray Lens Gray Temples

- Ultra lightweight frame with a classic style
- Adjustable, soft, ventilated nose pads provide maximum comfort and fit
- Rubberized TPR temples are super soft and provide a no-slip grip
- Ratcheting temple for customized fit
- ScratchCoat®

ENC11SAL1014

### NASCAR® Safety Eyewear AFR® clear lens, green temples

- Designer look
- Dual material temples for strength and daily wearability
- Ventilated and textured TPR temples for no-slip and comfort fit
- Full wraparound protection
- High Performance AFR®, superior anti-fog coating

ENC12BRI4014

### NASCAR® Safety Eyewear AFR® Gray Lens, Green Temples

- Designer look
- Dual material temples for strength and daily wearability
- Ventilated and textured TPR temples for no-slip and comfort fit
- Full wraparound protection
- High Performance AFR®, superior anti-fog coating

ENC12BRI4114



# Shop Safety and Safety Apparel

## Safety Glasses

### Diamondbacks™

- High-impact polycarbonate lenses
- Wraparound design hugs the face
- Non-slip temples
- Scratch-resistant lenses
- 99.9% UV protection
- Non-slip rubber nose piece
- Anti-fog coating on lenses
- Meets current ANSI® Z87.1+ standard and CSA Z94.3 standard

\*Anti-fog unavailable on Iridium, Ice Blue Lenses

**SAS540-0103** Gun Metal/Gray Frame, Smoke Mirror Lens

**SAS540-0201** Black Frame, Shade Lens

**SAS540-0402** Red Frame, Indoor/Outdoor Lens

**SAS540-0509** Silver Frame, Ice Blue Lens\*

**SAS540-0600** Black Frame, Clear Lens

**SAS540-0909** Gold Frame, Iridium Lens\*



**SAS540-0103**

### GTR™

- High-impact polycarbonate lenses
- Wraparound design hugs the face
- Non-slip temples
- Scratch-resistant lenses
- 99.9% UV protection
- Non-slip rubber nose piece
- Meets current ANSI® Z87.1+ standard

**SAS542-0209** Silver Frame, Ice Blue Lens

**SAS542-0309** Charcoal Frame, Purple Haze Lens



**SAS542-0209**

## Safety Glasses: Goggles

### Uvex® Strategy Goggle

- Direct vent; fabric headband
- Soft, flexible body conforms to the face, providing an exceptional snug fit for all-day comfort and maximum protection even in the harshest conditions
- Optically perfected polycarbonate lens delivers excellent peripheral vision and complete protection while fitting comfortably over most prescription eyewear
- Uvextra® AF™ anti-fog coating
- Complies with ANSI® Z87+ and CSA Z94.3 standards

**BDAS3800** Grey



**BDAS3800**

### Uvex® Strategy Goggle

- Indirect vent; neoprene headband
- Soft, flexible body conforms to the face, providing an exceptional snug fit for all-day comfort and maximum protection even in the harshest conditions
- Optically perfected polycarbonate lens delivers excellent peripheral vision and complete protection while fitting comfortably over most prescription eyewear
- Uvextra® AF™ anti-fog coating
- Complies with ANSI® Z87+ and CSA Z94.3 standards

**BDAS3820** Hot Orange



**BDAS3820**

## Safety Glasses: NASCAR®



**ENC05328004**

### NASCAR® GT

- Weightless, racy design
- Frameless, translucent wraparound design
- Soft rubber temple tips
- Affordably priced
- ANSI® Z87.1-1989
- CSA Z94.3-1999

**ENC05328004** Clear Frame, Clear Lens ScratchCoat

**ENC05328224** Gray Frame, Gray Lens ScratchCoat

**ENC05328334** Amber Frame, Amber Lens ScratchCoat

**ENC05328424** Gray Frame, Silver Lens ScratchCoat

**ENC05328524** Gray Frame, Blue Lens ScratchCoat

**ENC05328774** Indoor-Outdoor Frame, Indoor/Outdoor Lens ScratchCoat

**ENC05329004** Clear Frame, Clear Lens ENFOG®



**ENC12BRI1014**



**ENC12BRI1114**

### NASCAR® Clear Lens Black Trans Frame

- Designer-look
- First class optical quality
- Dual material temples for strength and all day wear
- Ventilated and textured TPR temples for no-slip comfort grip
- Full wrap around protection
- Officially licensed by NASCAR®

**ENC12BRI1014** Clear Lens Black Trans Frame

**ENC12BRI1114** Grey Lens Black Trans Frame



**ENC12BRI1094**

### NASCAR® Clear Lens Clear/Pink Frame

- First class optical quality
- Dual material temples for strength and all day wear
- Ventilated and textured TPR temples for no slip comfort grip
- Full wraparound protection
- Officially licensed by NASCAR®

**ENC12BRI1094**

### Nascar® Grey Lens Black/Pink Frame

- First class optical quality
- Dual material temples for strength and all day wear
- Ventilated and textured TPR temples for no slip comfort grip
- Full wrap around protection
- Officially licensed by Nascar®

**ENC12BRI1194**



**ENC12BRI1194**

### NASCAR® 427™

- Officially licensed by NASCAR®
- Weightless, low-profile design
- Wraparound protection
- Flexible temple tips for comfortable fit
- 10-base curve lens
- High-impact polycarbonate lenses
- ScratchCoat coating
- 99.9% UVA and UVB protection to 385 nm
- Meets ANSI® Z87.1+, CSA Z94.3-2007, and CE EN166 standards



**ENC14271074**

**ENC14271074** Camo Frame, Clear Lens

**ENC14271094** Pink Frame, Clear Lens

**ENC14271254** Blue Frame, I/O Lens

**ENC14271294** Pink Frame, I/O Lens

**ENC14271374** Camo Frame, Amber Lens



# Shop Safety and Safety Apparel

## Safety Glasses: Veratti®



ENC05178004

### Veratti® OTG Clear Lens

- Comfortable over-the-glass safety eyewear
- Fits over frames up to 5-1/4" W and 1-3/4" H
- Lightweight, durable frame
- Defined side shield, brow-guard and underside for maximum protection
- 99.9% UVA and UVB protection to 385 nm

ENC05178004



ENC05777001

### Veratti® 2000™ Readers

- Bifocal lens +1 to +3 power
- Frameless translucent design
- Extremely lightweight
- 1 pc polycarbonate lens
- Combines style and protection
- Affordably priced
- Meets ANSI® Z87.1+ and complies with ANSI® Z80.1-1999

ENC05777001 Clear Temple Frame, Clear Lens +1

ENC05777002 Clear Temple Frame, Clear Lens +1.5

ENC05777003 Clear Temple Frame, Clear Lens +2

ENC05777004 Clear Temple Frame, Clear Lens +2.5

ENC05777005 Clear Temple Frame, Clear Lens +3



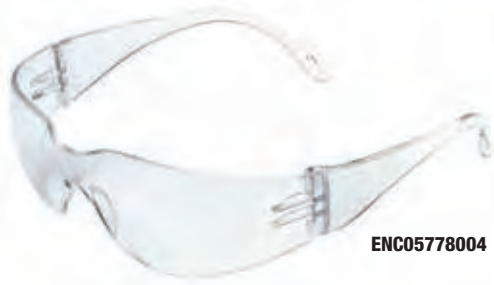
ENC05777012

### Veratti® 2000™ Readers

- See clearly, even with close objects
- Wraparound comfort
- Sleek, weightless design
- 10-base curve lens
- High impact polycarbonate lenses
- ScratchCoat and ENFOG® coatings available
- 99.9% UVA and UVB protection to 385 nm
- Complies with ANSI® Z80.1-1999

ENC05777012 +1.5 Gray

ENC05777022 +1.5 Indoor/Outdoor



ENC05778004

### Veratti® 2000

- Frameless translucent design
- Extremely lightweight
- 1 pc polycarbonate lens
- Combines style and protection
- Affordably priced
- Meets ANSI® Z87.1+ and complies with ANSI® Z80.1-1999

ENC05778224 Gray Temple Frame, Gray Lens

ENC05778334 Amber Temple Frame, Amber Lens

ENC05778424 Gray Temple Frame, Silver Lens

ENC05778524 Gray Temple Frame, Blue Lens

ENC05778774 Indoor/Outdoor Temple Frame, Indoor/Outdoor Lens

ENC05778004 Clear Temple Frame, Clear Lens



ENC08204806

### Veratti® 429

- Compact, ultra-lightweight frame for extended wear
- Universal gel nose bridge for total comfort
- Colorful co-injected rubberized temples to drive compliance
- Ratcheting temples to fit all faces
- 9.5 base curve lens
- 99.9% UVA and UVB protection to 385 nm
- High impact polycarbonate lenses
- ScratchCoat coating
- Meets ANSI® Z87.1+ and CE EN166

ENC08204806 Black/Blue Frame, Clear Lens

ENC08204826 Black/Red Frame, Gray Lens

ENC08204876 Black/Orange Frame, Indoor/Outdoor Lens



ENC09206806

### Veratti® 307

- Ultra-stylish wraparound frame with co-injected temples
- 1 pc semi-attached lens for cooling flow of air to prevent fogging
- Soft, adjustable nose piece for a universal fit
- ScratchCoat coating
- High impact polycarbonate lenses
- 99.9% UVA and UVB protection to 385 nm
- Blue frame
- Meets ANSI® Z87.1+ and CSA Z94.3-2007 standards

ENC09206806 Clear Lens

ENC09206826 Gray Lens

ENC09206876 Indoor/Outdoor Lens

## Safety Glasses: Veratti®



ENC09602004

### Veratti® M50

- Wraparound style provides excellent panoramic vision
- Compact, ultra-lightweight design offers total comfort all day long
- Soft, flexible PVC frame rotating strap to hug face for a secure seal
- Built-in ventilation channel provides extra fog control and cooling
- High impact polycarbonate lens
- ENFOG® coating
- 99.9% UVA and UVB protection to 385 nm
- Meets ANSI® Z87.1+ and CSA Z94.3-2007 standards

ENC09602004 Gray Frame, Clear Lens



ENC12141004

### Veratti® Mini OTG™

- Designed for low-profile prescription eyewear
- Lightweight, durable frame
- Defined side shield, browguard and underside for maximum protection
- Fits over frames up to 5" W and 1" H
- 99.9% UVA and UVB protection to 385nm
- Meets ANSI® Z87.1+ and CSA Z94.3-2007 standards

ENC12141004 Clear Frame/Clear Lens ScratchCoat



ENC12831414

### Veratti® 283

- Stylish curved lens
- Maximum peripheral protection
- Adjustable padded nose piece
- Wrap around protection

ENC12831014 Black Frame/Clear Lens Scratchcoat

ENC12831414 Silver Mirror Lens Scratchcoat



ENC13511004

### Veratti® 351

- Sporty design provides excellent wraparound coverage
- Built-in brow guard and side shields for maximum protection
- Soft feathered nose piece provides a universal fit
- 99.9% UVA and UVB protection to 385 nm
- Meets ANSI® Z87.1+, CSA Z94.3-2007, CE EN166 and MCEPS GL-PD 10-12

ENC13511004 Clear Lens

ENC13511204 Indoor/Outdoor Lens

ENC13511414 Silver Mirror Lens



ENC1PRI4014

### Veratti® Primo AFR

- Foam lining provides extra protection against airborne particles and irritants
- Strategically designed ventilation points promote airflow without compromising protection
- Advanced Fog Resistance coating resists fog more than 10x longer than most premium European test criteria
- Removable adjustable band provides a closer fit option, and secures eyewear from slipping or dropping in precarious conditions

ENC1PRI4014 Gray Frame/Clear Lens

ENC1PRI4114 Gray Frame/Gray Lens

## Safety Glasses: XP87 Series



ORRAAXP710BK

### XP71 Safety Glasses

- Sleek, aggressive design for maximum wearer acceptance
- Cutting-edge protective eyewear for demanding conditions
- Equipped with surgical-grade, closed foam for high particle count air conditions
- Anti-fog treated (Clear, Gray, Espresso)

ORRAAXP710BK Black

ORRAAXP710BR Black Red

ORRAAXP710IO Indoor/Outdoor

ORRAAXP710PG Pearl Gray

# Shop Supplies

## Cleaning Brush



IPA8086

### Light Socket Cleaning Kit

- Brass and stainless steel brushes
- For 1157 light bulb sockets and 5/8"-3/4" bores
- Cleans side and bottom of socket with one pass
- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8086

### Flow-Thru Brush with Venturi

- An innovative system for cleaning, degreasing and the application of various solvents
- Better cleaning with interchangeable twisted-wire stainless steel and industrial-strength nylon abrasive brushes
- Portable cleaning anywhere air supply is available with venturi injector
- Simultaneously dissolve, dislodge and brush away debris
- Integrated flow valve allows for ultimate control with pressurized solvents
- Self-cleaning design: uses less solvent and keeps work station cleaner
- Countless applications: parts washing, degreasing, on-engine cleaning, fluid evacuation and more
- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8091



IPA8091

## Cleaning Guns



DFXDFZ010B

### Tornador® Pulse Cleaning Gun with Brush and Reservoir

- Powerful compressed air pulses agitate dirt and debris free
- Works like a pressure washer
- Vaporizes detergent to reach the smallest dust and particles
- Cleans in the tightest spaces; cleaning cracks and crevices
- Utilize wet or dry, with or without detergent
- Connects to air hose

#### Specifications:

Working Pressure: 60–90 PSI  
Air Consumption: 100 L/min

DFXDFZ010B

DFXSPZ02B Nozzle with Brush



DFXDFZ011

### Tornador® Snow Gun and Instant Foam

- Pneumatic instant foam gun sprays large vehicles completely
- Instantly turns any cleaning solution into thick foam
- Connects to air hose
- Adjustable thickness of foam
- Use appropriate cleanser for situation

#### Specifications:

Working Pressure: 60–90 PSI

Air Inlet: 1/4"

Air Consumption: 90 L/min

Cup Content: 1L

DFXDFZ011



DFXDFZ014

### Tornador® Pulse Cleaning Gun

- Vaporizes dust and dirt
- Cleans in the tightest spaces; cleaning cracks and crevices
- Utilize wet or dry, with or without detergent
- Powerful compressed air atomizes dirt and debris
- Connects to an air hose

#### Specifications:

Working Pressure: 60–90 PSI

Air Inlet: 1/4"

Air Consumption: 100 L/min

DFXDFZ014

DFXSPZ02B Nozzle with Brush

## Easy Grip Brushes



SAG17170

### 3 pc Easy Grip Brush Set

- Contains one each of the most popular brushes – brass, nylon and stainless steel bristles
- Each brush is 3 x 7 rows with specially designed narrow head to fit into hard-to-clean areas

#### SAG17170 Set Includes:

SAG17180 Brass

SAG17185 Nylon

SAG17190 Stainless Steel



SAG17370

### Bucket of Easy Grip Brushes

- Contains 12 each of the most popular brushes – brass, nylon and stainless steel bristles
- For use with cleaning solvents, thinners and chemicals
- Each brush is 3 x 7 rows with a hang-up hole in the polypropylene handle
- Overall length of each brush is 7"
- Specially designed narrow head fits into hard-to-reach areas

SAG17370

## Eyeglass Cleaners/Accessories

**Encon®**  
SAFETY PRODUCTS



ENC1160LCW2

### Pre-Moistened Lens Cleaning Tissues

- Cleans lenses and electronic surfaces
- Safe and effective for all types of lens coatings
- Ideal for glasses, goggles, monitors and tablets
- Anti-bacterial against the following bacteria for up to 24 hours: Staph - 99.9%; E-coli - 99.9%
- Dispenser box contains 100 pre-moistened individually wrapped towelettes
- Can be table or wall mounted

ENC1160LCW2



## Hose Reels



**WEEL8340FZ**

### Levelwind™ Retractable Water Hose Reel

- Latching mode switch – choose from latching hose every 3' for extended use or switch to "free run" for immediate, automatic rewinding
- Seven-position locking bracket
- Adjustable hose stopper
- Extra large swivel (3/4") reduces flow restriction
- Built-in handle
- Hose and 10' lead-in hose included

**WEEL8340FZ**

## Magnifiers



**MNH1002**

### Power Lighted Magnifier

- Convenient size fits in pocket, easily stores in tool chest drawer
- Features an optical quality and conveniently placed on/off switch
- Lightweight and has a durable impact-resistant casing

**Includes:** Type 222 long-lasting high-intensity wide beam bulb; (2) AAA zinc-chloride batteries

**MNH1002** Black, 5x Magnifier

**MNH100-1** Replacement Bulb

**MNH3002** Grey, 10x Magnifier



**QMORCT34T150**

### Gideon

- Magnified lenses for near-vision tasks
- Folding compact reader with telescoping temples
- Sleek and convenient carrying case
- Rx quality lenses
- Spring hinges for comfort

**QMORCT34T150** Black Frame, +1.5 Lens

**QMORCT34T200** Black Frame, +2.0 Lens

**QMORCT34T250** Black Frame, +2.5 Lens

## Absorbent Mats

### PIG® Absorbent Mat Pad

- Lines the floor to keep drips and splatters under control
- Tough, eight-layer construction helps mat last all day
- Soaks up spills to keep them from becoming a big mess
- Works better than cardboard or rags and helps maintain a professional appearance
- Absorbs and retains oils, water, grease, gasoline, solvents, auto fluids, paint, battery acid and most other liquids
- 15 x 20"



**NWP25306**

**NWP25306** 3 pk

**NWPNPC25300** Absorbent Mat Pad  
100 Sheets

### PIG® Magnetic Roll Holder

- Keeps PIG® Mat at hand anywhere for hassle-free dispensing.
- Easily relocated holder has powerful magnets for mounting on metal tool boxes, car lifts, support beams and more
- Holds one 15" W x 50' L PIG® Mat Roll NWPNPC25201
- Durable, powder-coated steel resists chips, rust and corrosion



**NWP57701**

**NWP57701**

### PIG® Universal Lightweight Absorbent Mat Roll

- PIG® Mat instantly sucks in oils, coolants, solvents and water. Spill something on the floor and PIG® Mat will suck it up fast. Just put it down and let it work. With PIG® Mat on your benchtop, your parts and tools stay clean and organized – and the mess stays in the Mat. There is no lint or grit to deal with, and cleanup is quick and easy.
- Faster cleanup – handle the mess and get back to work
- Easy to use – just put it down, let it work and pick it up
- Grit- and dust-free – won't damage delicate sensors, parts or drains
- No tracking around – helps maintain a clean, professional shop
- Quickly absorbs and retains all common automotive fluids and solvents: oils, coolants, water, gasoline, paint overspray, battery acid and more
- PIG® Mat is eight layers of polypropylene and will not fall apart, even when saturated
- Contains 50% recycled fibers
- Perforated for easy tearing to the size needed; eliminates waste and saves money
- 15" W x 50' L

**NWPNPC25201**



**NWPNPC25201**

## Water Hose

### Premium Hybrid Polymer Water Hose

- Superior all-weather flexibility (35–150 °F)
- Abrasion-resistant
- Rugged bend restrictor
- 3/4"-1 1/2 GHT fittings
- Lightweight; coils easily
- Kink-resistant, ribbed inner core design
- Crush proof, nickel-plated male and female fittings

**WEEHFZWP5100** Flexzilla® 5/8" x 100' Water Hose

**WEEHFZWP550** Flexzilla® 5/8" x 50' Water Hose



**WEEHFZWP5100**

## Workbench Liner



**NWP25820**

### PIG® Grippy® Workbench Liner

- Adhesive backed, absorbent liner to protect workbench surface and cushion parts
- Eight layers of fine-fiber polypropylene cushion parts and absorb oils, coolants, water, gasoline solvents, battery acid and most other fluids; poly backing creates a liquid-proof barrier to stop absorbed fluids from passing through to the workbench
- Resists rips, tears and abrasions; hides absorbed liquids to keep the workbench looking clean
- Apply to any clean, dry, oil-free surface; trims easily with scissors or utility knife; can also be cut to fit toolbox drawers

**NWP25820**



# Shop Tools and Equipment

## Bench Grinders

### 6" Bench Grinder

- Powerful 5/8 hp induction motor for heavy-duty grinding operations
- Industrial cast iron base and motor housing provides durability and prolonged life
- Motor runs at 3,450 RPM for high speed material removal

**BADDW756**

**BADDW4904** 6" Crimped Wire Brush, Medium Face



**BADDW756**

### 8" Bench Grinder

- 3/4 hp induction motor provides superior power for industrial grinding applications
- Rugged cast iron base and motor housing provide durability and prolonged life
- Motor runs at 3,600 RPM for high speed material removal

**BADDW758**

**BADDW4906** 8" Crimped Wire Brush, Medium Face



**BADDW758**

## Bench Head Stand

### Bench Head Stand

- Used on most aluminum and steel heads
- Holding rods are heat-treated to remain smooth for use on aluminum heads

**SEY88150**

**SEY88150**



## Creepers: Over the Engine

### Goose-Neck Over-the-Engine Creeper

- Heavy duty steel frame creeper fits easily over the engine of most vehicles
- Top adjusts from 43-1/4–57-3/4" height
- Wheels allow for easy maneuvering around vehicle
- Powder coated finish to prevent rusting
- Shipped unassembled
- 300 lb weight capacity

**WHTOTE**



## Creepers: Under the Engine

### 2 Up Either End Adjustable Creeper

- 44" metal frame creeper adjusts from either end
- Back pad adjusts to multiple positions
- (6) 2-1/2" oil-resistant rollers swivel with ease
- Fully padded with heavy-duty vinyl
- Powder coated to resist rusting
- Overall dimensions: 17 x 44", 30 lb
- Ground clearance: 2-1/2"

**WHT2UP**



**WHT2UP**

### Convertible Creeper Seat

- 40" fully-padded creeper converts from creeper to seat with powder coated finish
- 3/4" steel tube frame with 2-1/2" ground clearance
- (6) 2-1/2" oil-resistant casters
- Positive locking mechanism with push-pin release
- Overall dimensions: 17 x 40", 28 lb

**WHTCRS**



**WHTCRS**

## Desiccant Air Supply System



**SHP6760**



### Dryaire Desiccant System

- Dryaire Desiccant System is the painters insurance for removing dirt, water, oil and uncondensed moisture from compressed air lines
- Approved for paint company warranty programs when applying today's state-of-the-art refinishing materials
- Ideal for protecting moisture sensitive tools
- 100% indicating silica gel provides for maximum moisture absorption
- Easy desiccant change out – regenerate or replace
- Stage 1 filter includes auto drain and five micron filters
- Stage 2 coalescer with auto drain, removes oil particles down to .01 micron
- Stage 3 desiccant dryer, 30 CFM capacity
- Self-relieving air regulator
- Mounting bracket and shut-off valve included

**SHP6760**

**SHP67651** Replacement Silica Gel (5 lb Jar)

## Evaporative Coolers

### Portacool® Hurricane® 370 Portable Evaporative Cooler

- The most powerful portable evaporative cooler on the market that delivers unparalleled velocity
- Features six patent-pending Portacool® Cat5 AirBoosters™
- Equipped with KUUL® Comfort™ evaporative media, the highest-quality evaporative media available and made in the USA exclusively for Portacool® products
- Automatic pump shutoff protects your product and investment
- Lifetime warranty on evaporative cooler housing against manufacturing defects and 5-year warranty on all electrical components
- Made in the USA with domestic and global parts
- (4) locking casters

**POCPACHR370**



**POCPACHR370**

### Portacool® Jetstream® 220 Portable Evaporative Cooler

- Equipped with KUUL® Comfort MicroTech™ evaporative media, the highest-quality evaporative media available and made in the USA exclusively for Portacool® products
- Oscillating louvers help cool a larger area
- Large 2" inch drain allows for easy and effective cleaning and maintenance
- Lifetime warranty on evaporative cooler housing against manufacturing defects and 3-year warranty on all electrical components
- Liquid level indicator with automatic pump shutoff protects your product and investment
- Made in the USA with domestic and global parts

**POCPACJS220**



**POCPACJS220**

## Evaporative Coolers



### Portacool® Jetstream® 230 Portable Evaporative Cooler

- Portacool® Jetstream® 230 Portable Evaporative Cooler
- Equipped with KUUL® Comfort MicroTech™ evaporative media, the highest-quality evaporative media available and made in the USA exclusively for Portacool® products
- Oscillating louvers help cool a larger area
- Large 2" drain allows for easy and effective cleaning and maintenance
- Lifetime warranty on evaporative cooler housing against manufacturing defects and 3-year warranty on all electrical components
- Liquid level indicator with automatic pump shutoff protects your product and investment
- Made in the USA with domestic and global parts

**POCPACJS230**



**POCPACJS230**

### Portacool® Jetstream® 240 Portable Evaporative Cooler

- This energy-efficient cooling solution uses less energy than a standard household toaster
- Larger drain allows for easy and effective maintenance
- Equipped with KUUL® Comfort™ evaporative media, the highest-quality evaporative media available and made in the USA exclusively for Portacool® products
- Liquid level indicator with automatic pump shutoff protects your product and investment
- Lifetime warranty on evaporative cooler housing against manufacturing defects and 3-year warranty on all electrical components
- Made in the USA with domestic and global parts

**POCPACJS240**



**POCPACJS240**

### Portacool® Jetstream® 250 Portable Evaporative Cooler

- This energy efficient cooling solution requires the same energy as small, standard household appliance
- Larger drain allows for easy and effective maintenance
- Equipped with KUUL® Comfort™ evaporative media, the highest-quality evaporative media available and made in the USA exclusively for Portacool® products
- Liquid level indicator with automatic pump shutoff protects your product and investment
- Lifetime warranty on evaporative cooler housing against manufacturing defects and 3-year warranty on all electrical components
- Made in the USA with domestic and global parts

**POCPACJS250**



**POCPACJS250**

### Portacool® Jetstream® 260 Portable Evaporative Cooler

- This energy efficient cooling solution uses approximately the same amps as a standard wet/dry vacuum
- Larger drain allows for easy and effective maintenance
- Equipped with KUUL® Comfort™ evaporative media, the highest-quality evaporative media available and made in the USA exclusively for Portacool® products
- Liquid level indicator with automatic pump shutoff protects your product and investment
- Lifetime warranty on evaporative cooler housing against manufacturing defects and 3-year warranty on all electrical components
- Made in the USA with domestic and global parts

**POCPACJS260**



**POCPACJS260**

### Portacool® Jetstream® 270 Portable Evaporative Cooler

- Whole-shop cooling at a fraction of the operating cost of traditional air conditioning
- Larger drain allows for easy and effective maintenance
- Equipped with KUUL® Comfort™ evaporative media, the highest-quality evaporative media available and made in the USA exclusively for Portacool® products
- Liquid level indicator with automatic pump shutoff protects your product and investment
- Lifetime warranty on evaporative cooler housing against manufacturing defects and 3-year warranty on all electrical components
- Made in the USA with domestic and global parts

**POCPACJS270**



**POCPACJS270**

### KUUL® Replacement Media For Jetstream®

- Highest quality evaporative media on the market
- Made in the USA

**POCPARK22000**

**POCPARK23000**

**POCPARK24000**

**POCPARK25000**

**POCPARK26000**

**POCPARK27000**



**POCPARK24000**



**POCPARK37000**

### Replacement Media for Hurricane™

- Highest quality evaporative media on the market
- Made in USA

**POCPARK37000**



**POCPARKCY200**

### Kuul replacement media for Cyclone™ 2000

- Highest quality evaporative media on the market
- Made in USA

**POCPARKCY200**



**POCPARKCY300**

### Replacement Media for Cyclone™ 3000

- Highest quality evaporative media on the market
- Made in the USA

**POCPARKCY300**



# Shop Tools and Equipment

## Evaporative Coolers



**POCPMP01410A**

### Pump for Jetstream® 220 or 230

- Exclusively made for Portacool® portable evaporative coolers

### POCPARMP20A

**POCPMP01410A** Pump for Jetstream® 240

**POCPMP01710A** Pump for Jetstream® 250/260/270



**POCPARPWTB00**

### Portacool® Hard Water Treatment

- Helps to reduce or eliminate mineral buildup in hard water
- Developed especially for evaporative cooling systems

### POCPARPWTB00

**PORTACOOOL**  
WHERE COMFORT COUNTS™



**POCPMP01620B**

### Pump for Hurricane™ 370

Pump for Hurricane® 370

- Exclusively made for Portacool® portable evaporative coolers

### POCPMP01620B

### Replacement Submersible Pump for Portacool® 36" Single Speed

- Exclusively made for Portacool® portable evaporative coolers

### POCPMP01640A



**POCPMP01640A**

### Replacement Pump for Portacool® Cyclone™ Portable Evaporative Coolers

- Exclusively made for Portacool® portable evaporative coolers

### POCPMP01640A



**POCPMP01640A**

## Extension Cords

### Flexzilla® Pro Extension Cord

- Extreme all-weather flexibility (-58–167 °F)
- Resists kinks, coils easily
- Lighted plug
- Indoor and outdoor use
- Grounded plug
- UL® listed

**WEEFZ512725** 14/3 AWG SJTW, 25', Indoor/Outdoor, Lighted Plug

**WEEFZ512730** 14/3 AWG SJTW, 50', Indoor/Outdoor, Lighted Plug

**WEEFZ512735** 14/3 AWG SJTW, 100', Indoor/Outdoor, Lighted Plug

**WEEFZ512825** 12/3 AWG SJTW, 25', Indoor/Outdoor, Lighted Plug

**WEEFZ512830** 12/3 AWG SJTW, 50', Indoor/Outdoor, Lighted Plug

**WEEFZ512930** 10/3 AWG SJTW, 50', Indoor/Outdoor, Lighted Plug

**WEEFZ512935** 10/3 AWG SJTW, 100', Indoor/Outdoor, Lighted Plug



**WEEFZ512725**



**WEEFZ512730**



**WEEFZ512735**



**WEEFZ512825**



**WEEFZ512830**



**WEEFZ512930**



**WEEFZ512935**



## Refrigerated Air Dryers

**SHARPEE**  
A GRACO COMPANY

### Refrigerated Air Dryer

- Cool, dry and clean your compressed air supply in one, compact, easy-to-use package
- Cools – accepts high temperature air up to 180 ° F, 82 ° C directly from air compressor
- No separate aftercooler or separator requires; dries, removes moisture, eliminates troublesome water from downstream air lines
- Cleans – an integral three micron filter removes solid contaminants and oil aerosols
- Designed and built to run reliably for years
- Compact, high-efficient heat exchangers
- Two-stage separator/filter removes condensed oil and water
- Reliable, air-operated condensate drain automatically discharges water and oil from dryer without air loss
- CFC free – environmentally safe

**SHP6880** 25 CFM Dryer, direct ship from supplier freight item



**SHP6880**



## Seats



### Seat Cushion

- Perfect for use as a kneeling pad
- Lightweight cushion with cutout handle for easy transportation
- Each pack contains (2) seat cushions
- Great replacement cushion for the LUXMS21 Mechanic's Seat cart (sold separately)

### LUXCUSHION



### Mechanic's Seat with Storage Shelf

- Ideal for body and fender work, auto detailing and brake jobs
- No sharp corners to mar work that comes in contact with the unit
- Cushioned seat of EVA foam material can be removed to make a comfortable kneeling pad
- Easy-roll 4" casters, two with locking brake
- Dimensions: 24" W x 18" D x 20" H
- Lightweight and easy-to-clean thermoplastic shelf
- 400 lb overall capacity

### LUXMS21



### Round Adjustable Seat

- Padded adjustable seat with storage tray
- Seat pad is 12"; while storage tray is 16"
- Steel-cast collars at base of seat and base of cylinder for added strength
- Adjusts by gas-filled cylinder
- (5) 2-1/2" oil-resistant rollers
- Weight: 16 lb

### WHTGRSRB

## Shop Presses

### Bench Head Stand

- Ideal for the removal or installation of gears, U-joints, pulleys, wrist pins and other press jobs
- Excellent for bending, bonding or straightening applications
- Multi-position bed for work height adjustment
- Heavy steel welded construction

### 12-Ton Capacity Specifications:

- Min Working Space: 2-5/8"
- Max Working Space: 34-3/8"
- GW: 129 lb

OMG60120 12-Ton Capacity

OMG60200 20-Ton Capacity



### 25-Ton Shop Press with Hand Pump

- Ideal for the removal or installation of gears, U-joints, pulleys, wrist pins and other various press jobs
- Excellent for bending, bonding or straightening applications
- Multi-position bed for work height adjustment
- Heavy steel welded construction

OMG60253 25-Ton Capacity



### Mobile Hydraulic Press Tool

- Reduce service time using a hydraulic press to R&R undercar components
- Allows quick R&R of suspension bushings, wheel bearings and ball joints on the car
- Hydraulic ram rotates, allowing access to most service application requirements
- Portable, and adjustable-height jack
- Manual or air/hydraulic press pump
- Pump mount has 12 pegs for frequently used cups
- Comes with 44 cups and receivers for hundreds of size combinations
- Other options available

Included with the SEY11000 and SEY11000A

Also Available:

SEY11070, SEY11080, SEY11090

SEY11010 44 pc Hydraulic Ram Set (Size Range: Smallest O.D. 26 mm/I.D. 18 mm to Largest O.D. 68 mm/I.D. 60 mm)

SEY11020 Multi-Height Ram Jack

SEY11030 Hand Pump (Included with SEY11000)

SEY11030A Air Powered Hydro Pump (Included with SEY11000A)

SEY11040 6' Hose and Coupler

SEY11050 Ram Clamp

SEY11060 Pump Mount

SEY11070 20 pc Large Cup Kit

SEY11080 4 pc Pull Rod Set

SEY11090 Hydraulic Ram "C" Frame



# Shop Tools and Equipment

## Sprayers

### Sure Shot®

- Red powder coated steel sprayer
- Refillable rechargeable
- Pressurize up to 200 PSI
- Use inexpensive bulk chemicals like cleaners, degreasers and solvents
- Completely portable
- Multi-purpose nozzle sprays mist or pin stream



**MSCA1000R**

**MSCA1000R**

### One-Quart Capacity Sprayer, Filler Cap Assembly with Teflon® Valve

- Brass canister that is chrome-plated on the outside
- Brass model for use with both solvent and water-based materials
- Constructed to industrial/commercial specifications
- Internal working parts are made of corrosion resistant material
- Completely portable
- Refillable, rechargeable
- Use inexpensive bulk chemicals like cleaners, degreasers, brake cleaners, penetrating oils, solvents, etc.
- Works with your compressed air
- Pressurize up to 200 PSI
- Comes with interchangeable spray and mist nozzles



**MSCA156**

**MSCA156** Filler Cap Assembly with Teflon® Valve

**MSCK10** Repair Kit – A Models

### Anodized Aluminum Sprayer

- Features metal construction, brass nozzles and corrosion resistant working parts
- 24 oz liquid capacity
- Comes standard with an adjustable nozzle and features a chemical resistant anodized finish
- Can be used with water-based materials
- Partial and complete repair kits are available

**sure shot®**



**MSCM2400**

**MSCM2400**

## Steps

### The Pro-Step

- Heavy-duty platform
- 500 lb capacity
- 32 x 16"
- Extra-wide base rails for stability
- Height adjustable from 6-1/2–22-1/2"
- Foam bumpers protect vehicle finish
- Spring-loaded retractable wheels; can be pushed with a foot



**STK20350**

**STK20350**



## Straps/Tie Downs

### Gear Ties

- Fully-bendable wire interior; durable, soft rubber exterior
- Keep computer cords, headphones and ear buds bundles and untangled; close produce and snack bags; shore up plant and flower stems and much, much more, all with a simple twist
- Waterproof and safe for use in fresh or salt water without damage
- UV resistant, will not be damaged or destroyed by extended sun exposure
- Tough rubber shell provides excellent grip
- Use indoors and outdoors in any weather
- Won't scratch or mark
- Color options available

**NIFGT182PK01** 18" Black (2 pk)

**NIFGT182PK31** 18" 2 pk, Bright Orange

**NIFGT182PK33** 18" 2 pk, Neon Yellow

**NIFGT242PK01** 24" Black (2 pk)

**NIFGT242PK31** 24" 2 pk, Bright Orange

**NIFGT242PK33** 24" 2 pk, Neon Yellow

**NIFGT322PK01** 32" Black (2 pk)

**NIFGT322PK31** 32" 2 pk, Bright Orange

**NIFGT322PK33** 32" 2 pk, Neon Yellow



**NIFGT182PK01**

**NITE IZE**  
INNOVATION

### Gear Tie® Loop

- Reusable loopable twist tie features a strong wire inside that holds its shape and will not scratch or mark
- Tough rubber shell provides excellent grip
- Integrated loop on one end; cinch, twist, store and hang nearly everything for convenient storage and access
- Use in the garage, on the boat, in the home and countless other places where things need to be secured and organized
- Waterproof and safe for use in fresh or salt water without damage
- UV resistant; will not be damaged or destroyed by extended sun exposure
- Use indoors and outdoors in any weather

**NIFGT6401R6** 64", Black



### Mega Twist Tie

- 16.5 mm diameter tough rubber shell and heavy-duty bendable wire interior
- Waterproof for indoor and outdoor use
- Won't scratch or mark
- Tough rubber shell provides excellent grip
- Strong wire inside holds its shape

**NIFGTM3201R3** 32", Black

**NIFGTM3231R3** 32", Orange

**NIFGTM3233R3** 32", Yellow

**NIFGTM6401R3** 32", Black

**NIFGTM6431R3** 64", Orange

**NIFGTM6433R3** 64", Yellow



**NIFGTM3201R3**

**NITE IZE**  
INNOVATION

### Ratchet Axle Strap

- Combo - 2" W x 10' L
- Wide handle ratchet with snap hooks

**SSGCOM1T2X10** (Yellow) 10,000 lb Load

**SSGCOM2T2X10** Axle Strap 2" x 10' Combo with Eye



**SSGCOM1T2X10**



### I-Bolt Universal Tow Eye

- 2 x 1-1/2" loop connected to a 7" L steel shaft with unique gripping teeth that lock into the threaded holes on the front or rear of the vehicle
- I-Bolt is able to fit threaded holes 1/2"-1-1/4" dia.
- Provides a universal hookup solution for 200-plus vehicles
- Also includes a 2" x 5' safety strap and a 3-1/2" steel flat snap hook to positively secure the vehicle
- Certified to pull up to 1,500 lb

**STK71490**



**STK71490**

## Vises



**JPW28805**

### Tradesman Vise 4-1/2"

- Enclosed design keeps lubrication in and contaminants out for a lifetime of smooth operation
- Redesigned spindle assembly improves overall product life and durability
- Precision slide bar eliminates movement in the front jaw regardless of opened distance
- Machined steel serrated jaws with phosphate coating provide increased durability and an extended life of use
- Reversible jaw inserts are serrated on one side for extra grip and smooth on the other to prevent marring on softer surfaces
- The 60,000 PSI ductile iron body, jaw and base has two times the strength of grey cast iron
- Longer spindle nut ensures smooth movement and a stronger straight-line pull
- Large anvil designed to take a beating while forming and shaping materials

**JPW28805**



**JPW28806**

### Tradesman Vise 5-1/2"

- Enclosed design keeps lubrication in and contaminants out for a lifetime of smooth operation
- Redesigned spindle assembly improves overall product life and durability
- Precision slide bar eliminates movement in the front jaw regardless of opened distance
- Machined steel serrated jaws with phosphate coating provide increased durability and an extended life of use
- Reversible jaw inserts are serrated on one side for extra grip and smooth on the other to prevent marring on softer surfaces
- The 60,000 PSI ductile iron body, jaw and base has two times the strength of grey cast iron
- Longer spindle nut ensures smooth movement and a stronger straight-line pull
- Large anvil designed to take a beating while forming and shaping materials

**JPW28806**



**JPW28807**

### Tradesman Vise 6-1/2"

- Enclosed design keeps lubrication in and contaminants out for a lifetime of smooth operation
- Redesigned spindle assembly improves overall product life and durability
- Precision slide bar eliminates movement in the front jaw regardless of opened distance
- Machined steel serrated jaws with phosphate coating provide increased durability and an extended life of use
- Reversible jaw inserts are serrated on one side for extra grip and smooth on the other to prevent marring on softer surfaces
- The 60,000 PSI ductile iron body, jaw and base has two times the strength of grey cast iron
- Longer spindle nut ensures smooth movement and a stronger straight-line pull
- Large anvil designed to take a beating while forming and shaping materials

**JPW28807**

### Tradesman Vise 8"

- Enclosed design keeps lubrication in and contaminants out for a lifetime of smooth operation
- Redesigned spindle assembly improves overall product life and durability
- Precision slide bar eliminates movement in the front jaw regardless of opened distance
- Machined steel serrated jaws with phosphate coating provide increased durability and an extended life of use
- Reversible jaw inserts are serrated on one side for extra grip and smooth on the other to prevent marring on softer surfaces
- The 60,000 PSI ductile iron body, jaw and base has two times the strength of grey cast iron
- Longer spindle nut ensures smooth movement and a stronger straight-line pull
- Large anvil designed to take a beating while forming and shaping materials

**JPW28808**



**JPW28808**

## Wire Markers



### 3M® ScotchCode® 0-9 Wire Marker Tape Dispenser

- Can be hooked on belt or tool pouch
- Small size also makes it easy to carry in a pocket or toolbox
- 10 refillable compartments allow you to choose the exact number needed

**MMM49518**

**MMM49518**



## Work Stand



### Work Stand Bench Combo

**STK35755** Portable Bench

**Also Available:**

**STK35756** Work Wheeler Stand



**STK35755**

### Tool Sling Replacement Canvas

- Tool-holding cover for your portable bench
- Easily installs in seconds with hook-and-loop strips
- Folds flat for storage

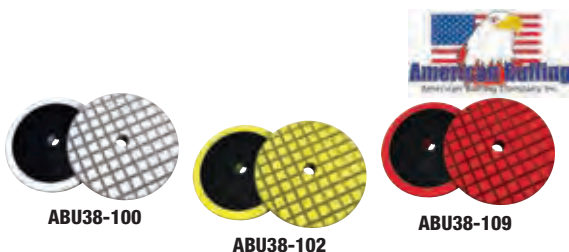
**STK35757** (Bench not included)



**STK35757**

# Surface Preparation/ Abrasives and Grinding

## Abrasive Discs



ABU38-100

ABU38-102

ABU38-109

### Double Beveled Cross Cut Foam Pads

- Cross-cut design results in reduced splattering while providing a smoother buffing action
- Manufactured using the finest engineered foams that are specifically designed for compounding, polishing, finishing and waxing the newer, harder and scratch-resistant finishes
- Thermally reticulated with an open cell structure, which allows air to circulate through the pad, thus reducing heat build up
- Machine washable
- Aggressive cutting action that will remove deeper scratches, severe swirl marks and heavy oxidation when used in conjunction with heavy polishing compounds

ABU38-100 White 8" x 1.25"

ABU38-102 Yellow 8" x 1.25"

ABU38-109 Red 8" x 1.25"



ABU7721333

### Prewashed White Lambswool Knitted Polishing Pad (3 pk)

- 3-1/2 x 3/4" cutting/polishing
- A more aggressive compounding/polishing foam used for removing sanding scratches, deep scratches, oxidation and weathered paint
- Denser pads—the knitting process also results in a denser pad with a plush appearance
- Durable backing—backing is more durable than natural backing material, allowing for more washings

ABU7721333



ABUWP223503

### Orange Mini Waffle Pro Pad (3 pk)

- 3 x 7/8" with hook and loop attachment—light cutting/polishing
- A light compounding/polishing foam used for removing sanding scratches, deep scratches, oxidation and weathered paint
- Reduce heat buildup while buffing
- Prevents skipping of pad on surface
- Allows pad to glide over surface while polishing

ABUWP223503



ABUWP-62800

### White Compounding Waffle Pro 8 x 7/8"

- An aggressive compounding foam used for removing sanding scratches, deep scratches, oxidation and weathered paint

ABUWP-62800



ABUWP723503

### Black Mini Waffle Pro Pad (3 pk)

- 3 x 7/8" with hook and loop attachment - finishing
- Used with a finishing polish to remove light swirl marks
- Reduce heat build-up while buffing
- Prevents skipping of pad on surface
- Allows pad to glide over surface while polishing

ABUWP723503



ABUWP-72800

### Black Finishing Waffle Pro 8 x 7/8"

- Soft, high strength foam for waxing or glazing

ABUWP-72800



ABUWP-92800

### Blue Finishing Waffle Pro 8 x 7/8"

- Extra soft, high-strength foam for one-step polishes and sealants

ABUWP-92800



LIL22500

### Thermostat Gasket Cleaner

- Cleans all hard-to-reach gasket surfaces
- Use with a die grinder to quickly clean gasket surfaces on Dodge® pickup trucks, oil pans, water pumps and other inaccessible applications
- Equipped with a floating guide shaft so the user can steer the abrasive pad around the gasket surface
- Includes two replaceable abrasive pads, plus interchangeable short shaft

LIL22500



MMM00914

### 3M® 3" Hookit® Gold Disc

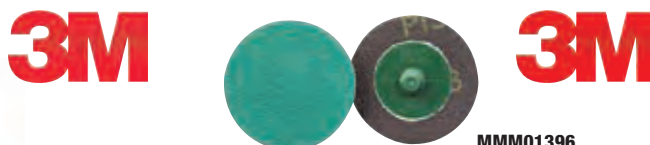
- Use for shaping plastic filler, removing paint around damaged area and scratch refinement of bare metal
- 50 pk

MMM00914 Grade 320A

MMM00916US Grade 220A

MMM00917 Grade 180C

MMM00921 Grade 80C



MMM01396

### 3M® Green Corps® Roloc® Discs

- Handy quick change tool for disc grinding which fits any standard 1/4" drill or air tool
- Quick 1/2 turn on, 1/2 turn off speeds disc changing and cuts down time
- Color coded

2" Dia.

MMM01396 Grade 50, 25 Per Box, Green – Medium

MMM01397 Grade 36, 25 Per Box, Brown – Coarse

MMM01398 Grade 24, 25 Per Box, Black – Extra Coarse

3" Dia.

MMM01406 Grade 50, 25 Per Box, Green – Medium

MMM01407 Grade 36, 25 Per Box, Brown – Coarse

MMM01408 Grade 24, 25 Per Box, Black – Extra Coarse



## Abrasive Discs



MMM02085

### 3M® Trizact® Hookit® Foam Discs

- Foam disc used in a spot repair system for removing P1200–P1500 grade sand scratches prior to using 3M® Perfect-It® 3000 Panel Repair System. When working on contour surface, use interface pad MMM05777.

Part No.	Size	Grade	Discs Per Box
MMM02085	6"	3000	15
MMM02088	6"	1500	25



MMM02087

### Trizact® Hookit® Foam Discs 3" (15 pk)

- P3000 foam discs for refining P1200–P1500 grade sand scratches during paint finishing process

MMM02087



MMM05538

### 3M® Roloc® Disc Pad Assembly

- Hard rubber back-up pad; provides firm support for Scotch-Brite® Roloc® surface conditioning discs and Roloc® bristle discs
- Pad assemblies come complete with a 2" steel shaft and adaptor

MMM05538 1" Dia. 1/4" Shaft Dia.

MMM05539 2" Diameter, 1/4" shaft Diameter



MMM05540

### 3M® Roloc® Holder Sgl 3In Roloc® Pad

- 3" 3M® Roloc® Holder

MMM05540



MMM07450

### Scotch-Brite® Surface Conditioning Discs, For Steel Parts

- Quickly removes cut cork or paper gaskets and form-in-place gasketing materials prior to assembling power train components
- Ideal for cleaning light oxidation and removing gasketing residue
- Use on wide variety of surfaces, including engine blocks, heads, valve covers and transmission housing
- Hook and loop

MMM07450



MMM07451

### Scotch-Brite® Surface Conditioning Discs

- Used to quickly remove cut cork or paper gaskets and form-in-place gasketing materials prior to assembling power train components
- Ideal for cleaning light oxidation and removing gasketing residue
- Use on a wide variety of surfaces, including engine blocks, heads, valve covers and transmission housing
- Use with Scotch-Brite® Surface Conditioning Disc Pads

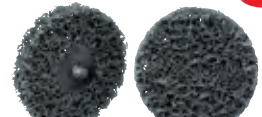
MMM07451 Color: Medium/Maroon; Grade: 50; Size: 4" x NH: Qty: 10

MMM07453 Color: Coarse/Brown; Grade: 36; Size: 2" x NH: Qty: 25

MMM07455 Color: Coarse/Brown; Grade: 36; Size: 3" x NH: Qty: 25

MMM07456 Color: Medium/Maroon; Grade: 50; Size: 3" x NH: Qty: 25

MMM07457 Color: Medium/Maroon; Grade: 50; Size: 2" x NH: Qty: 25



MMM07461

### Scotch-Brite® Coatings Removal Utility Disc (CRUD) – Black

- Tough, open, virtually nonloading web makes surface preparation fast and easy
- Great for removal of undercoatings, stone guards, seam sealers and rust
- Works well under hood webs, in truck beds, door jambs, undercarriage and wheel wells
- Useful in tire shop to remove oxidation from rims
- Eliminates slow leaks due to oxidation and/or corrosion
- Used for removal of rust from brake assemblies
- 3" dia.

MMM07461



MMM07466

### 3M® Roloc® + Clean 'n Strip Disc – Black

- Aggressively removes paint and rust from seams, door jambs, drip moldings, pinchwelds and other difficult to reach areas
- 3D abrasive web conforms to work area
- Safer than wire bristle tools
- Durable web design lasts longer and will not rust
- Maximum operating speed 8,000 RPM
- Disc is used with Roloc® + Holder System, PN07500

MMM07466 4" x 1/2"



MMM07492

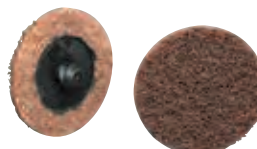
### Scotch-Brite® Disc Pad

- Connects quickly and easily to any power tool
- Holds Scotch-Brite® surface conditioning discs securely and safely through the use of Scotchmate™ dual lock fastening system
- Hook and loop

MMM07492 For 4" Discs, Qty 5

MMM07493 For 3" Discs (10 pk)

MMM07494 For 2" Discs (10 pk)



MMM07480

### Scotch-Brite® Roloc® Surface Conditioning Discs

Part No.	Description	Qty
MMM07480	2" Coarse Brown 3M® Roloc® SC Disc	25
MMM07481	2" Medium Maroon 3M® Roloc® SC Disc	25
MMM07485	3" Coarse Brown 3M® Roloc® SC Disc	5
MMM07486	3" Medium Maroon 3M® Roloc® SC Disc	5



OTC8342

### Hub Resurfacing Kit

- Fits your power drill to quickly sand rust off lugs, studs and rotors on the hub assembly
- Sanding pads attach with half-turn thread
- For most US and import vehicles with either front or rear disc brakes
- Includes holder for five sanding discs
- Run at speeds of 10,000 RPM or less for best results (Do not exceed 10,000 RPM)

OTC8342

# Surface Preparation/ Abrasives and Grinding

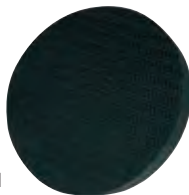
## Abrasive Discs

### 3M® 3" Hookit® Finishing Film Disc

- Use to level minor dust nibs and for light sanding of mismatched orange peel on all automotive paints
- Suggested interface pad MMM05771
- 50 pk

MMM05771

MMM05771



### 3M® 3" Hookit® Finishing Film Disc

- Use to level minor dust nibs and for light sanding of mismatched orange peel on all automotive paints
- Suggested interface pad MMM05771
- 50 pk

MMM00907 Grade 1500

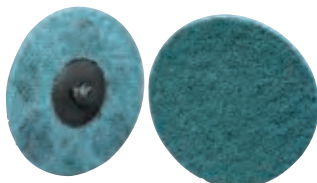
MMM00910 Grade 800



MMM00907

## Aluminum Parts

## Backup Pad Adaptors



MMM07513

### Scotch-Brite® Surface Conditioning Disc

MMM07513 3 Medium 3M® VF Blue Roloc® Disc, Qty 25

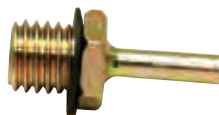
MMM07515 2 Medium 3M® VF Grey Roloc® SC Disc, Qty 25

MMM07516 3 Fine 3M® SF Grey Roloc® SC Disc, Qty 25



ABU46-229

**Double-Sided Adaptor  
5/8 x 11" Extension  
ABU46-229**



ABU46231

**Pad Adapter 5/8 x 11"  
to Drill with Washer**

- Allows you to adapt the backing plate to a drill

ABU46231



MMM5533

### 3M® 3" Kut-Down™ Disc Adaptor

- Use with hand-held and pneumatic grinders
- 7/16-20 thread and a 1/4" hex mandrel for use with automotive drills
- Provides backup support for 3M® Kut-Down™ discs

MMM5533

## Backup Pads



ABU43073M

### 3" Grip Easy™ Molded Urethane Backing Plate (5/8 x 11")

- High strength molded urethane – helps to absorb the heat created while also allowing flexibility over the buffing surface
- Grip-easy™ edge – allows for fast and easy pad changes
- Inner steel construction — backing plate is constructed with plated steel insert to withstand rotary machine use

ABU43073M



EZE5535

### Standard Duty Backup Pads

- 5/16"-24 thread
- 6-rivet arbor system
- Fully molded construction, no glue, edges protected
- Longer life with patented molding process
- Pads individually inspected and perfectly balanced

EZE5535 5" PSA

EZE5535V 5" PSA, 5-Hole Vacuum

EZE6636 6" PSA

EZE6636K Hook-and-Loop

EZE6636KV Hook-and-Loop, 5-Hole Vacuum

### 8" Orbital Pads

- 5-hole mount – National Detroit replacement pad
- Tapered edge with epoxy-glass backing

EZE8828 PSA, 5-Hole Mount

EZE8828K Hook-and-Loop, 5-Hole Mount



EZE8828

### 3M® Hookit® SBS™ Backup Pad

- Designed to be used with 3M® compounding pads and polishing pads

MMM05717



MMM05717



# Surface Preparation/ Abrasives and Grinding

# 3M

## Backup Pads

### 3M® 6" Hookit® Disc Pad

- Pad face securely holds the discs, yet allows for easy change and reattachment of discs
- Lightweight, shock-resistant and well-balanced
- Tough, durable plastic hub and conformable foam body are designed for maximum operating speed of 7,000 RPM

MMM05776



MMM05776

### 3M® Hookit® II Soft Interface Pad Single 6In Hookit® Sft Interface

- Used with standard Hookit® backup pad
- Increases conformability, allowing the technician to follow contours and get in closer to most edges
- Constructed of soft, durable foam

Part No.	Pads	Discs Per Box
MMM05777	6" x 1 1/2" x 3/4"	1



MMM05777

### 3M® Clean Sanding Hookit® Disc Pad Kit

- 3M® Hookit® disc pad with (5) adaptors for use with all 3" tools

Part No.	Size
MMM20427	3"



MMM20427

### 6" Disc Pad

- Designed with a tough, durable foam body for long pad life
- Pad has tapered edge for ease of sanding on contoured surfaces
- Maximum 10,000 RPM

MMM35576



MMM35576

## Belts

# 3M



MMM33437

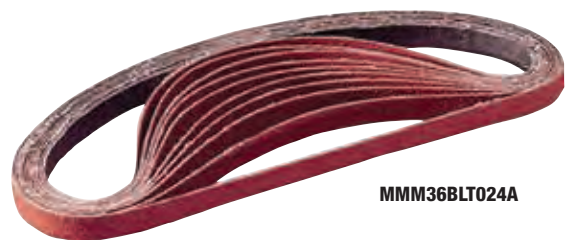
### 3M® Cubitron® II File Belt

- Contains 3M® precision-shaped abrasive grain, coated on a heavy-duty backing
- Resin bonded for heat resistance and coated with a dry grinding aid to help reduce heat build up
- 3M® precision shaped ceramic grain fractures into sharp points that cut exceptionally fast, helping increase productivity
- Cubitron® II abrasives are engineered to run cooler, reducing metal discoloration/oxidation and the chance of heat related stress cracks
- Coated with a dry grinding aid to further enhance the product's ability to run cooler and cut faster
- For use with 3M® File Belt Sander 28366 and other file belt tools
- 10 x 330 mm (3/8 x 13") 36+ Grade (10 belts per box)

MMM33437

MMM33439

MMM33440



MMM36BLT024A

### 3M® Cloth Belt

- 2 x 36"

MMM36BLT024A 24 Grit

MMM36BLT040A 40 Grit

MMM36BLT060A 60 Grit

MMM36BLT080A 80 Grit



# Surface Preparation/ Abrasives and Grinding

## Bore Brushes

### The Original 36 pc Bore Brush Set

- 8–19 mm brush sizes
- (12) steel, (12) nylon and (12) brass
- 1/4" hex shank for quick attachments
- Twisted wires for increased cleaning function at lower speeds
- Extra storage compartment for drivers and brushes
- For use on any material
- Includes 1/4" driver handle

#### Set Includes:

- CA residents see page 365 for Proposition 65 warning. ⚠

#### IPA8001

**IPA800110B3** Brass – 10 mm  
**IPA800110N3** Nylon – 10 mm  
**IPA800110S3** Steel – 10 mm  
**IPA800111B3** Brass – 11 mm  
**IPA800111N3** Nylon – 11 mm  
**IPA800111S3** Steel – 11 mm  
**IPA800112B3** Brass – 12 mm  
**IPA800112N3** Nylon – 12 mm  
**IPA800112S3** Steel – 12 mm  
**IPA800113B3** Brass – 13 mm  
**IPA800113N3** Nylon – 13 mm  
**IPA800113S3** Steel – 13 mm  
**IPA800114B3** Brass – 14 mm

**IPA800114N3** Nylon – 14 mm  
**IPA800114S3** Steel – 14 mm  
**IPA800115B3** Brass – 15 mm  
**IPA800115N3** Nylon – 15 mm  
**IPA800115S3** Steel – 15 mm  
**IPA800116B3** Brass – 16 mm  
**IPA800116N3** Nylon – 16 mm  
**IPA800116S3** Steel – 16 mm  
**IPA800117B3** Brass – 17 mm  
**IPA800117N3** Nylon – 17 mm  
**IPA800117S3** Steel – 17 mm  
**IPA800118B3** Brass – 18 mm  
**IPA800118N3** Nylon – 18 mm

**IPA800118S3** Steel – 18 mm  
**IPA800119B3** Brass – 19 mm  
**IPA800119N3** Nylon – 19 mm  
**IPA800119S3** Steel – 19 mm  
**IPA80018B3** Brass – 8 mm

**IPA80018N3** Nylon – 8 mm  
**IPA80018S3** Steel – 8 mm  
**IPA80019B3** Brass – 9 mm  
**IPA80019N3** Nylon – 9 mm  
**IPA80019S3** Steel – 9 mm



IPA8001

IPA8004-6AS



#### 6" Flexible Extension

- 6" flexible extension on 1/4" drive hex shank
- Perfect for accessing hard-to-reach transmission valve bodies, oil galleries and EGR ports
- 1/4" female coupler uses a set screw to prevent a brush or similar type tool from slipping
- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8004-6AS

### 4 pk XL Bore Brush Kits

- Clean brake calipers, throttle bodies, tubes, fittings and much more
- Twisted wire brush
- 1/4" hex drive
- 3" total length

**Stainless Steel Kit Includes:** IPA8037-25, IPA8037-30, IPA8037-35 and IPA8037-40

- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8037** Stainless Steel Kit

**IPA8037-25** 25 mm

**IPA8037-30** 30 mm

**IPA8037-35** 35 mm

**IPA8038** Brass Kit



IPA8037



IPA8038

### 6 pc Twisted Wire Bore Brush Set

- Durable, abrasive bore brushes
- 6 pc set (8, 10, 12, 15, 17 and 19 mm sizes)
- 1/4" hex shank
- Use on ports, tubes, bearings and other common wire brush applications
- Do not exceed 600 RPM or turn counter-clockwise
- CA residents see page 365 for Proposition 65 warning. ⚠



IPA8080

**IPA8080** Stainless steel

**IPA8081** Brass

### 3 pc 9" Bore Brush Set with Driver

- 9" bore brushes for cleaning tubes, ports, bearings and other general wire brush applications; 10, 15 and 19 mm sizes
- Durable and abrasive
- Twisted wire provides extra strength to increase cleaning action
- Each brush is fitted with a 1/4" hex shaft for use with included 1/4" standard driver
- Brushes are meant for push and pull use; do not exceed 600 RPM
- CA residents see page 365 for Proposition 65 warning. ⚠



IPA8084

**IPA8083** Stainless steel

**IPA8084** Brass

**IPA8085** Nylon

IPA8083

IPA8085

### Micro Bore and Valve Guide Brush Set (stainless steel)

- Clean valve guides and other small bores
- 9" length for hard-to-reach applications
- Durable twisted wire for increased cleaning function
- Extra-large finger loop for increased control
- Eight sizes – range from 1/8–1/2" dia.
- CA residents see page 365 for Proposition 65 warning. ⚠



IPA8087

IPA8087

### Micro Bore and Valve Guide Brush Set (Brass)

- Clean valve guides and other small bores
- 9" length for hard-to-reach applications
- Durable twisted wire for increased cleaning function
- Extra-large finger loop for increased control
- Eight sizes – range from 1/8–1/2" diameter
- CA residents see page 365 for Proposition 65 warning. ⚠



IPA8088

IPA8088



## Bore Brushes



### 35 pc Pro Bore-Cleaning and Parts-Detailing Master Kit

- Most comprehensive, precision detailing kit for caliber and gauge sizes: .22 to .75 and 5 mm - 12 gauge
- Non-toxic and odor-free cleaning solution and lubricating oil
- Prevent rust on metal components with premium, silicone-infused oiling cloth
- Low-lint, industrial-grade precision cotton swabs
- Includes (8) bore brushes, (3) double-ended brushes, (2) picks, tweezers, cable with adapters, extension rod, cleaning solution, lubricating oil, cleaning mat, removable tray, and 500+ swabs
- Four-layer design: top layer houses cleaning accessories and attachments; middle layers hold a fold-out cleaning mat and portable work tray; bottom layer holds bulk precision swabs, solvent, lubricant and oiling cloth

IPA8095



IPA8095

## Bristle Discs



MMM07529



MMM15012

### 3M® 3" 120 Bristle Disc White

- Ideal tool to replace scraper, wire wheels and chemical gasket strippers
- Best used on softer metals such as aluminum
- No wire to fly back at the operator
- 10 pk

MMM07529

### 3M® Radial Bristle Disc Adaptor

- Mandrel adaptor for radial bristle discs

MMM15012

### 3M® Roloc® Bristle Discs

- Faster, safer and cleaner than wire wheels. Removes undercoating and seam sealer, removes heavy stone guard coatings, conformable, works in tight corners, runs clean, resists loading, safer to use. Bristles remove weld residue quickly, removes zinc for weld prep, cleans without distorting metal, cleans rust and seam cleaner from surfaces. No dangerous flying wires, cleans up hard-to-reach areas, avoid thin metal burn through.

**Includes:** (2) 50 Grit, Green (2) 80 Grit, Yellow (2) 120 Grit, White

**MMM18696** 2" Roloc® Bristle Disc Assortment, 6 pk

**MMM07524** 2" Green, Coarse, 10 per box

**MMM07525** 2" Yellow, Medium, 10 per box

**MMM07526** 3" Green, Coarse, 10 per box

**MMM07527** 3" Yellow, Medium, 10 per box

**MMM07528** 2" White, Fine, 10 per box



MMM18696

## Buffing/Polishing



ABU10-050



ABU35-222



ABU81-103

### 8" x 1-1/2" 4-Ply Twisted Heavy Cutting 100% Wool Pad

- Unique steaming and de-linting process eliminates pad sling with low fuzzing during use
- Industry leading pad durability proven to outperform in the toughest buffing conditions
- Machine washable, hang to dry

ABU10-050

### 4 Ply 100% Twisted Wool Double Sided Cutting Pad

- 8-1-1/2" steamed wool pad for buffing

ABU35-222

### 4 Ply 100% Twisted Wool Cutting Ball 3 x 1"

- Contour buffing allows user to buff surfaces and angles that regular wool pads cannot
- Ideal for fiberglass molds, gel coats, composites, metals and painted surfaces
- 100% 4-ply twisted wool for cutting action
- Rubber core for long-lasting durability
- Carbon steel hex shaft prevents slippage
- Compatible with standard quick connect systems

ABU81-103

# Surface Preparation/ Abrasives and Grinding

## Buffing/Polishing



**ABUWPSBKIT**

### Spot Buff Kit

- Kit contains: 3" Grip Easy™ Molded Urethane Backing Plate (5/8" x 11), prewashed white lambs wool - cutting/polishing, orange mini waffle pro - light cutting/polishing, black mini waffle pro - finishing, pad adaptor 5/8" x 11 to drill with washer

**ABUWPSBKIT**



**APT235B**

### Tire Buffer Kit

- For inner liner cleaning, reaming and drilling
- Includes rear exhaust muffler and whip hose
- Economical, low speed buffer with 3/8" hex quick change chuck

### Specifications:

Horse Power: 1/2 Free Speed: 2,500 RPM Minimum Air Hose Size: 3/8" I.D. Average Air Consumption: 4 CFM Air Pressure: 90 PSI Buffing Wheel Arbor Size: 3/8" (10 mm) Buffing Wheel Diameter: 2-1/2" (64 mm) Buffing Wheel Width: 5/8" (16 mm) Buffing Wheel Grit: 36

**Kit Includes:** Tire Buffing Tool Quick Coupler Adaptor

### APT235B

**APT235RASP** 2.5" Buffing Wheel (RASP)



**MMM085078**

### 3M® 3" Finesse-it® Knit Buffing Pad

- Buffing pad made from wool fibers for applying the Finesse-it® finishing material or Finesse-it® final finish
- Hookit® attachment system
- 3" dia. x 15/16" trim length

**MMM085078**

## Cut-Off Wheels



**APTCW3-5**

### 3" Cut-off Wheels

- 5 pc 46 grit, 3" dia. 1/16" thickness
- 3/8" arbor hole fits all brands of pneumatic cut-off tools
- Abrasive wheels are designed for cut-off applications involving angle iron, rebar, pipe and barstock
- For use in cutting sheet metal, metal hardware or fasteners

**APTCW3-5**

### Edmar DiamondX® Cutter

- Revolutionary new generation diamond blade that replaces 1/32" and 1/16" thin abrasives
- One blade outlasts 30 to 60 abrasive wheels
- Fewer blade changes; just the labor cost of 25 abrasive blade changes will pay for one diamond cutter
- Cut steel, stainless and other ferrous metals, alloys, or plastics
- Diameter does not change throughout tool life, reducing operator effort and increasing productivity
- Will not break or shatter, even if exposed to water
- Use the blade side edge to deburr flashing safely
- 2-3-4" for die grinders, 4-4.5" for right angle grinders.

**EDM12038** 2", 3/8-1/4" arbor Diamond Cutting Disc

**EDM12039** 3", 3/8-1/4" arbor Diamond Cutting Disc

**EDM12040** 4", 3/8" arbor Diamond Cutting Disc

**EDM12041** 4", 5/8-3/8" arbor Diamond Cutting Disc

**EDM12042** 4-1/2", 7/8" arbor Diamond Cutting Disc



**EDM12038**



**EDM12040**



**EDM12039**



**EXHACI9315A**

### 10 pk Cut-off Wheels

- 4" Cutoff Wheels for EXH6275

**EXHACI9315A** 10 pk Cut-off

Wheels - 1/16 x 4 x 3/8"

**EXHACI9315B** 10 pk Cut-off

Wheels - 1/8 x 4 x 3/8"



**MET49944500**

### 4-1/2" Cutting Wheel

- Suited to a wide variety of general applications
- 4-1/2" x .045" x 7/8"

**MET49944500**



**IPA8150**

### Diamond Cut-Off Grinding Wheel

- Lasts a minimum of 2,000% (20X) longer and outperforms traditional grinding wheels in all ways; maintains diameter, lasts longer and cuts faster with low odor and debris
- Accesses hard-to-reach areas
- For use with straight and right angle die grinders for grinding, deburring, surface prepping, cutting sheet metal, fiberglass and more
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8120** 2" dia., 1/4" shank, 30,000 max RPM

**IPA8150** 4.5" dia., 14,000 max RPM

**IPA8151** 3" dia., 3/8" arbor, 1/4" shank, 30,000 max RPM

# Surface Preparation/ Abrasives and Grinding

## Cut-Off Wheels



MGUJMC015

### Mandrel Magna Cutter

- Mounting mandrel for magna-cutter abrasive cut-off wheel
- Mandrel kit for Magna Cutter 3/8 x 1/4"
- Made of high-strength steel

MGUJMC015



MGUJMC300AL

### Magna Cutter 3" (5 pk)

- Specially formulated for aluminum body panels and structural components
- Cuts fast, cool and clean with no loading
- Contains no ferrous materials, eliminates contamination
- Long wheel life
- Specifically formulated to cut aluminum fast, cool and clean with no loading

MGUJMC300AL



MGUJMC400AL

### Magna Cutter 4" (5 pk)

- Specially formulated for aluminum body panels and structural components
- Cuts fast, cool and clean with no loading
- Contains no ferrous materials, eliminates contamination
- Long wheel life

MGUJMC400AL

## Cut-Off Wheels



MMM01987

### 3M® Cut-Off Wheels

- For general-purpose uses, such as cutting auto body sheet metal, frame rails, clamps and rusted bolts
- 3M® cut-off wheels offer an economical alternative to low cost, low quality cut-off wheels that wear quickly and require constant changing

MMM01987 3" x 1/32" x 3/8", Qty 1

MMM01988 3" x 1/16" x 3/8", Qty 1



MMM01989

### 5 pk 3M® Green Corps® Cut-Off Wheels

- High-performance, long-life cut-off wheel
- Used for cutting auto body sheet metal, frame rails, clamps and rusted bolts
- For use on utility type cut-off tools

MMM01989 3 x 1/32 x 3/8"

MMM01990 3 x 1/16 x 3/8"



### 3M® Cubitron® II Cut-Off Wheel

- Premium cut-off wheel with precision-shaped grain for ultra-fast and cool cutting action and long life
- Triangular shaped ceramic grain wears evenly, runs cool and optimizes material breakdown
- Rigid, reinforced resin-bonded wheel slices through almost all automotive materials, including mild steel and ultra-high strength steel
- Wheel must have a maximum operating speed greater than or equal to the maximum speed of the power tool used

MMM33455 3" x 1-1/16" x 3/8", Qty 5

MMM33456 3" x 1/25" x 3/8", Qty 5



MMM33455

## Grinder Accessories



BADDW4514

### General Purpose Metal Grinding Wheel

BADDW4514 4-1/2 x 1/4 x 7/8"



**BOSCH**

Invented for life



BEGW27M701

### Grinder Wheel

- Type 27
- Stainless and metal grinding
- For use with angle grinder
- A30T-BT grit

BEGW27M701



**BOSCH**

Invented for life



BEMG0450

### Backer Pad with Nut

- Diameter: 4-1/2"
- Arbor size: 5/8"-11 spindle thread
- Maximum RPM: 12,500
- Application: metal

BEMG0450



**BOSCH**

Invented for life



BE2610921337

### Grinder Wheel

- Type 1A (ISO 41)
- Metal cutting
- Straight wheel
- For use with angle grinder
- Grain: medium

BE2610921337

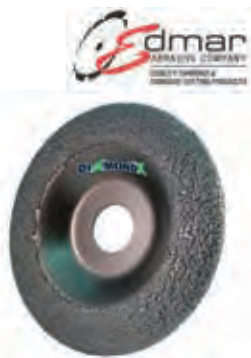


# Surface Preparation/ Abrasives and Grinding

## Grinder Accessories

### Edmar DiamondX® Type 29 Grinder

- Ideal for grinding and weld removal; replaces Type 27 abrasive grinding wheels 1/4" or 3/16" thick
- DX diamond grit permanently affixed to a precision steel surface
- One wheel lasts 25–50 abrasive wheels, causing less down time due to fewer blade changes; more productive and cost effective
- Greatly reduced vibration for less operator fatigue
- Less dust and debris
- Grit size 24 provides aggressive stock removal of all ferrous and non-ferrous metals, stainless, alloys, ductile iron and hard-face metal alloys
- 4-1/2 x 7/8" arbor diamond grinding wheel



EDM12202

EDM12202

### Backing Plates

- Epoxy fiberglass
- Standard duty
- 2° taper-formed center
- 7/8" hole
- Abrasive type .040"

**EZE4300** Set of 3", 4-1/2" and 5"

**EZE4403** 3"

**EZE4404** 4-1/2"

**EZE4405** 5"

**EZE4407** 7"



EZE4403

## Hones

### Brake Cylinder Flex-Hone® Brush Kit

- Designed for compact, medium and large cars
- Features most popular sizes and is supplied in 180 grit
- Silicon carbide abrasive is designed to produce the perfect sealing surface when rebuilding brake cylinders
- Sizes: 18, 20, 22, 25 and 29 mm

**BRMBCKD** Kit

**Also Available:**

**BRMBC10018** 1" (25 mm), 180 Grit

**BRMBC100320** 1" (25 mm), 320 Grit, Aluminum Oxide

**BRMBC11818** 1-1/8" (29 mm), 180 Grit

**BRMBC118320** 1 1/8" (29 mm), 320 Grit, Aluminum Oxide

**BRMBC13818** 1-3/8" (35 mm), 180 Grit

**BRMBC138320** 1 3/8" (35 mm), 320 Grit, Aluminum Oxide

**BRMBC14M18** 14 mm, 180 Grit

**BRMBC15818** 1-5/8" (41 mm), 180 Grit

**BRMBC18M18** 18 mm, 180 Grit

**BRMBC20018** 2" (51 mm), 180 Grit

**BRMBC20M18** 20 mm, 180 Grit

**BRMBC7818** 7/8" (22 mm), 180 Grit

**BRMBC78320** 7/8" (22 mm), 320 Grit, Aluminum Oxide



BRMBCKD

### Flex-Hone® Brush

- Fast, efficient deglazing
- Silicon carbide laminated to the ends of high density bristles provide a consistent crosshatch pattern
- 12" L with a flexible shaft, 180 grit

**BRMGB31418** 3-1/4" (83 mm)

**BRMGB31218** 3-1/2" (89 mm)

**BRMGB33418** 3-3/4" (95 mm)

**BRMGB41818** 4-1/8" (105 mm)

**BRMGB45818** 4-5/8" (118 mm)



BRMGB31418

### Stainless Steel Professional Diesel Brush Injector-Seat Cleaning Kit

- Specially designed to clean diesel injector-seats and bores on most light, medium, and heavy-duty diesel motors
- 17 pc kit includes helix brushes, two-stage brushes, bore brushes and SWAB-EEZ®
- Brushes are specially engineered to fit injector seats
- Removes rust, carbon and other debris from seats and cups without damage
- Driver handle features a spring-loaded, quick-lock coupler
- 1/4" drive hex shaft allows for quick interchange of brushes, drivers, extensions and the use of LOW SPEED drills
- 3", 4" and 6" brushes
- Intended for hand use; Do NOT exceed 600 RPM; Clockwise rotation only
- SWAB-EEZ® for cleaning and polishing injector bores and cups
- Also available in Brass (IPA8090B)
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8090S**



IPA8090S

### Disc Brake Caliper Hones

- For import cars and light trucks

**BRMDB11218** 1-1/2" (38 mm), 180 Grit

**BRMDB13418** 1-3/4" (45 mm), 180 Grit

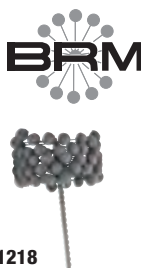
**BRMDB21218** 2-1/2" (64 mm), 180 Grit

**BRMDB212320** 2-1/2" (64 mm), 320 Grit, Aluminum Oxide

**BRMDB21818** 2-1/8" (54 mm), 180 Grit

**BRMDB218320** 2-1/8" (54 mm), 320 Grit, Aluminum Oxide

**BRMDB31818** 3-1/8" (79 mm), 180 Grit



BRMDB11218

### Flex-Hone® Brush for Rotors

- Utilizes patented Flex-Hone® technology to produce the ideal surface finish on automotive and motorcycle disc brake rotors, automotive fly wheels and clutch plates
- Produces non-directional finish and eliminates friction-induced braking noise
- Available in fine, medium and coarse grits

**BRMFH120Z25** Medium

**BRMFH240Z25** Fine

**BRMFH60Z25** Coarse



BRMFH120Z25



# Surface Preparation/ Abrasives and Grinding

## Hones

### Engine Cylinderhone

- Micrometer head assures accuracy in feeding
- Expands quickly to cylinder size with fast action rack and pinion
- Bottom guard plate helps prevent stones from accidentally hitting the crankshaft
- U-joint action makes grinding of back cylinder easy
- Clip-on stones and wipers are easily changed in a few seconds
- Use with heavy-duty 1/2" drill
- Standard range 3-4-1/4"
- Big range 2-3/4-10-1/4" with additional rack sets and stone sets
- Long 5" stones cut faster, more accurately

**Includes:** Cylinder hone body with one set of LIL15540 standard range rack (range is 3-4-1/4"). One set each of LIL15500 coarse stones and LIL15510 medium stones, cleaning brush and dressing paddle in a sturdy storage case.

**Also Available:** LIL15490, LIL15500, LIL15510, LIL15520, LIL15530, LIL15540, LIL15550, LIL15560, LIL15680, LIL15690, LIL15700, LIL15990

**LIL15000**



### Small Cylinderhone

- For 1-3/4-2-3/4" (44.5-66.9 mm) cylinders
- Precision built for small cylinders
- Stones are 3-1/2" L, assuring unusual accuracy
- Stones cover full range, are easily changed and available in four grits
- Comes complete with LIL16410, LIL16420 and LIL16430 medium grit stone sets in sturdy storage case

**Also Available:** LIL16380, LIL16390, LIL16400, LIL16410, LIL16420, LIL16430, LIL16440, LIL16450, LIL16460

**LIL16000**

### Available Individually:

Cylinder Size Range	Rack Set Part No.	80 Grit	180 Grit	280 Grit	500 Grit	Special Hard Bond for Steel 150 Grit
1.75"-2.20" (44.5 mm-55.9 mm)	LIL16440	LIL16440	LIL16410			
2.05"-2.50" (52 mm-63.5 mm)	LIL16450	LIL16450	LIL16420	LIL16390		
2.35"-2.75" (59.6 mm-69.9 mm)	LIL16460	LIL16460	LIL16430	LIL16400		
2.75"-3.75" (69.8 mm-95 mm)	LIL15550	LIL15680	LIL15690	LIL15700		
3.00"-4.25" (76.2 mm-108 mm)	LIL15540	LIL15500	LIL15510	LIL15520	LIL15990	LIL15490
4.00"-6.25" (100 mm-158 mm)	LIL15530	LIL15500	LIL15510	LIL15520	LIL15990	LIL15490
6.125"-10.25" (155 mm-260 mm)	LIL15560	LIL15500	LIL15510	LIL15520	LIL15990	LIL15490

## Injector Brushes



**BRMDD153**

### Injector Brush for use on Detroit Diesel® Trucks

- Stainless steel wire with plastic handle to be used when changing injector while on truck

**BRMDD153** 2-3/16" x 10-1/2"



**BRMDD253**

### Injector Brush for use on Detroit Diesel® Trucks

- Stainless steel wire cleans or polishes entire copper
- Best used as a bench tool
- Cut for power
- Copper cleaning and polishing

**BRMDD253** 3-3/4" x 10"



**BRMDD353**

### Injector Brush for use on Detroit Diesel® Trucks

- Carbon-steel wire to be used as a seat brush to insure perfect seating on newly installed coppers
- Cut for power

**BRMDD353** 2-3/16" x 10"



**BRMFB75**

### Flat Bottom Brush

- Ideal for cleaning injector seats
- Stainless steel filaments will not cause contamination
- 3/4" diameter

**BRMFB75**



**BRMNH1**

### Injector Brush

- Stainless steel wire with plastic handle used when changing injector while on truck
- Removes rust, carbon deposits and dirt

**BRMNH1**



**BRMNH2**

### Copper Cleaning

- Stainless steel wire cleans or polishes entire copper
- Cut for power
- Best used as a bench tool

**BRMNH2**



### Seat Cleaning Brush

- Carbon-steel wire used to insure seating of newly installed coppers
- Cut for power

**BRMNH3**



**BRMNH3**

## Polisher Accessories



**BADDW4988**

### Polisher Accessories

**BADDW4988** 7-1/2" Wool Polishing Pad

**MAK192629-7** Hook-and-Loop Compounding Bonnet

**MAK743052-5** Hook-and-Loop Back-Up Pad for 9227C

**MAK743403A** Hook-and-Loop Polishing Bonnet



**MAK192629-7**



**MAK743052-5**



**MAK743403A**

### Sander Accessories and Parts

**HUT750** ProFinisher®

Low Profile 5" PSA Pad

**HUT761** ProFinisher®

Low Profile 6" Hook Pad



**HUT750**



**HUT761**

## Weld Grinding Wheels

### 5 pk 3M® Green Corps® Reinforced Weld Grinding Wheels

- Ideal for cutting spot welds and grinding in hard-to-reach places
- 3" x 3/16" x 3/8"

**MMM01991**



**MMM01991**



# Testing and Electronics

## Circuit Testers

### Power/Ground Outlet

- Plug the tool into the cigarette lighter or power accessory receptacle; you now have a ground and power source on the dash
- Plug light will come on to signal the plug is properly connected and both power and ground are available at the posts
- For power, connect to the positive (+) terminal
- For electrical ground, attach ground wire from the instrument to be grounded to the negative (-) terminal

**LIL32150**

**LIL26270** Bulb



**LIL32150**

### Fuse Buddy® Mini Kit

- Tests all three fuse sizes: micro, mini and ATO circuits
- Plug in Fuse Buddy® and read circuit amp draws
- Easy test connection into fused circuits
- Can be used on all circuits up to 30 amps
- Includes storage pouch for safe keeping of the accessories

**ESI309**



**ESI309**

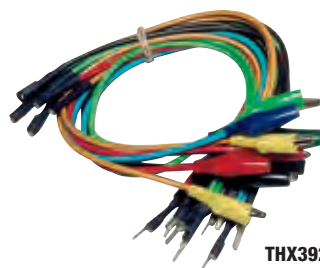
### FaultFinder™ Short/Open Circuit Finder and Circuit Tracer

- Locate short circuits, open connections, broken wires, current leaks and even trace wires quickly and easily
- Wide working voltage range, automatic open/short detection, flexible probe and adjustable sensitivity
- No wire piercing required, non-contact technology
- Tracing wires made possible even inside bundles, conduits, behind panels, under carpets, upholstery, etc.

**STCFF310**



**STCFF310**



**THX392**

### Micro-Pack and Metri-Pack Jumper Wire Sets for GM® Vehicles

- Jumper wires provide access for testing all components using either micro-pack or metri-pack connectors on GM® vehicles 1985–newer
- Jumper wires are color coded

**THX392**

## Clamp Meter

### AC/DC Current Clamp Meter

- 0–600 A AC/DC
- 0–600 V AC/DC
- Resistance up to 1 KOhm
- Continuity check
- 1" clamp jaw
- Zero button
- Peak and hold function
- Relative measurements
- Large 4-digit LCD

**STCCM600**



**STCCM600**



## Code Retrieval Key

### Code Retrieval Key for GM® Vehicles

- Key enables you to easily retrieve trouble codes from pre-OBDI GM® vehicles
- Jumps between A and B terminals on ALDL connector

**OTC7739**



**OTC7739**



## Digital Multimeters

### Retractable Test Leads

- Use to test electrical circuits
- Retractable test leads pull out and stay at desired length
- Rewind test leads into protective case when not in use
- Insulated alligator clips
- 18 gauge copper wire
- Three different color wires for easy identification
- 3-10' leads
- CA residents see page 365 for Proposition 65 warning. ⚠

**AEM1129**



**AEM1129**

### Retractable Test Lead

- Use to test electrical circuits
- Leads pull out and stay at desired length
- Rewind into protective case when not in use
- Insulated alligator clips
- 18 gauge copper wire
- 1 - 30' Lead
- CA residents see page 365 for Proposition 65 warning. ⚠

**AEM1130**



**AEM1130**

### Magnetic Retractable Test Leads

- Magnetic back allows mounting to metal surfaces
- Use to test electrical circuits
- Retractable test leads pull out and stay at desired length
- Rewind test leads into protective case when not in use
- Insulated alligator clips
- CA residents see page 365 for Proposition 65 warning. ⚠

**AEM1135** 3 - 10' Leads

**AEM1138** 2 - 30' Leads



**AEM1135**

### Digital Multimeter Inductive AMP Probe

- Ideal for testing alternator output, starter and battery current draw and all other electrical wiring circuits
- Operating range 0-600A AC/DC
- Operating range 0-600A AC/DC
- Designed to work with all digital multimeters
- Measures parasitic draw
- Red/Green indicator light shows power and low battery
- Easy slide switch for measurement selection

**EUU3347**



**EUU3347**

### Auto-Ranging™ Digital Multimeter

- Auto-Ranging™ scales eliminate the need to dial in the correct range when making electronic measurements
- 10 MegOhm input impedance for safe automotive and household uses
- Large digital display
- Single-setting resistance function for AC/DC voltage
- Color coded LEDs display battery quick check Green = good, Yellow = weak, Red = replace

**EUU3320**



**EUU3320**

### Insulation Piercing Lead Set

- Insulated alligator clip to piercing hook
- Set of two leads (1 red, 1 black, XEL or XJL model piercing hook)
- XJL piercing hook fits over component up to .140" diameter
- XEL hook pierces wire .050"-.150" diameter

**EZH619XEL18S**

**EZH619XJL18S**



**EZH619XEL18S**

### XEL Piercing Hook Set

- Fully insulated, pierces .050"-.150" diameter wire
- V-shaped tip separates wire bundles
- Banana socket in handle accepts shrouded and standard plugs
- Set of two (1 red, 1 black)

**EZXELS**



**EZXELS**

### Insulation Piercing Lead Set

- Shrouded right angle banana plug to pierce hook
- XJL piercing hook fits over wire up to .140" diameter
- XEL hook pierces wire .050-.150" diameter

**Set Includes:** Two leads (R/B, XEL or XJL model) piercing hook

**EZH633XEL48S**

**EZH633XJL48S**



**EZH633XEL48S**

# Testing and Electronics

## Digital Multimeters

### Digital Multimeter

- Large display and white LED backlight to work in poorly lit areas more effectively
- True RMS for accurate measurements on non-linear loads
- Min/Max/Average to record signal fluctuations
- Compatible with optional magnetic hanger (ToolPak) for hands-free operation
- Current measurement 20A (30 seconds momentary; 10A continuous)
- Diode
- Resistance and continuity
- CAT III 600 V safety rated
- TL75 hard point test lead set
- Capacitance: 1nF–9,999  $\mu$ F
- Frequency: .1 Hz–50 kHz

**FLU115**



**FLU115**



**FLU875**

### Multimeter 87V

- True RMS AC voltage and DC voltage, frequency, duty cycle and current to 10A
- Large digit display with bright two-level backlight
- Optional magnetic hanger for easy setup and viewing while freeing hands for other tasks
- Built-in thermometer

**FLU875**



**FLU88KT**

### Combo Kit

#### Kit Includes:

88 V automotive multimeter  
TL224 1.5 m long, heat-resistant silicone test leads  
TP175 removable test probes to pierce corroded terminals  
AC285 alligator clips  
TPAK magnetic hanger to position and hold meter to steel surfaces

80 BK temperature probe  
RPM 80 inductive RPM pickup probe  
Two back probe pins  
Insulation piercing clip (red)  
C800 durable case  
**FLU88KT**

### Remote Display Automotive Digital Multimeter Kit

- True RMS AC voltage and current for accurate measurements on non-linear signals
- Measure up to 1,000 V AC/DC
- Measure up to 10A; 20A for 30 seconds
- 10,000  $\mu$ F capacitance range
- Frequency to 50 kHz
- Built-in thermometer conveniently allows temperature readings without having to carry a separate instrument
- Resistance, continuity and diode test

**FLU233A**



**FLU233A**

### Automotive Multimeter

#### Measures:

- Resistance, continuity and diode test
- Millisecond pulse width measurements for fuel injectors
- Frequency to 200 kHz and % duty cycle
- Measure up to 1,000 V AC/DC
- Measure current up to 10A; 20A for up to 30 seconds
- 4-1/2" digits for precise measurements
- RPM measurements with optional inductive pickup
- Temperature measurements with optional temperature probe

**Multimeter Includes:** 88 V automotive multimeter TL75 test leads Manual, CD and battery

**FLU88**



**FLU88**

### Clamp-on AC/DC Current Probes

- Battery-powered
- Hall-effect
- Allows multimeters to measure AC/DC current
- Output: 1 mV per amp AC/DC
- Max conductor size: (1) 1.18" or (2) 0.98"
- AC/DC 1A–400A

**FLU1410**



**FLU1410**

### 60" Modular Test Lead Set

- Connects to any DMM with standard connections
- Silicone insulation will not burn on exhaust manifolds
- Remains flexible, even in the coldest weather

**POM5907A60**



**POM5907A60**

### Basic Test Probe Kit

- Set of modular test probes with 48" silicone insulated test leads
- Right angle DMM plugs
- Two insulated alligator clips
- Rigid back probe pins

**POM6343**



**POM6343**



## Electronic Diagnostic Tools



### EngineEAR II Electronic Stethoscope

- Quickly pinpoints noise and location of worn bearings, bushings, noisy valves, lifters, broken/worn gear teeth, faulty fuel injectors, wind or air leaks, annoying squeaks and rattles
- dBA meter has seven sound level control settings 60 dBA to 120 dBA for super sensitive noise pickup and limited distortion of unwanted sounds
- Hi/Low setting on dBA meter allows interpretation of sound on both levels
- dBA meter allows user to detect when battery is low
- Professional headphones shut out surrounding sound
- Flexible shaft reaches the tightest areas

**JSP06800**



**JSP06800**

### Replacement Wireless ChassisEAR® Transmitter #6

- This is a replacement for the channel #6 wireless transmitter for the 60635 Wireless ChassisEAR®
- Detects squeaks and rattles throughout a car or truck's chassis
- Noises can be transmitted up to 50' from the transmitter to the receiver
- LED Indicator light to show when unit is actively transmitting
- Transmitter comes with two built in attachment options, a spring-clip and two integrated magnets
- Powered by 4 AAA batteries (not included)
- Compatible with 60635 Wireless ChassisEAR® but not with older, 97202 model receivers

**JSP6063506**

## Fuse Block Testers

### 30 A Fuse Buddy® Tester – ATC Blade

- New high amp Fuse Buddy® can test 30A circuits
- Blowing Fuses? Plug in the Fuse Buddy® and read the circuit amperage draw
- Original fuse is replaced in-line during testing, thereby maintaining circuit protection
- Easy connection into ATC Blade fuse socket, end is shaped like a fuse
- Great tool for electrical troubleshooting at the fuse box
- Can be used on any circuit up to 30A
- Test range: 0A–30A ~ 48 V DC ~ .1A resolution

**ESI306B**

**ESI3-048** A23 Battery for Fuse Buddy®

**ESI305M** Mini



**ESI306B**



**STCCT6100**

### Fuse Block Connectors

- Fits all MAXI, ATO and Mini Fuse Sockets
- Access electrical circuit at fuse socket to check voltage, amperage, current draws, continuity; and check short/open circuits

### Applicable:

Cooling fans, electric fuel pumps, power window motors, electric motors, lamps relays, etc.

**STCCT6100**

## Ground Lug

### Universal Magnetic Ground Lug

- Ideal for passenger cabin or trunk compartment DVOM testing
- Ground lug attaches to any metal surface and provides a perfect place to clip test leads
- Sharp, adjustable depth contact tip to penetrate corrosion or metal coatings for a good connection

**WAE77012**



**WAE77012**



# Testing and Electronics

## Power Probe®

**POWER PROBE**



**POW3LS01**



**POWECT3000**



**POWLS01**

### Power Probe® Tester Kit

- Power Probe® III
- POWPPLS01, gold series lead set
- Cigarette lighter adaptor
- Standard 20' extension lead
- New training DVD
- Compartmentalized plastic case

**POW3LS01**

### Intelligent Short/Open Finder

- Automatic and manual sensitivity locking
- LED flashlight
- Arrow indicates direction to short
- Signal distance indicator bar

**POWECT3000**

### High-Current Lead Set in Case

- Stacking plugs for greater flexibility
- Male/male and female/female adaptors
- High current lead set rated for 30 A
- Super flexible (10) gauge leads (1, 3 and 6')
- (2) auto-centering wire-piercing probes
- Standard high current 4 mm shrouded banana plugs/jacks

**POWLS01**

### Power Probe® 3, ECT3000 Short/Open Finder, Power Probe® Lead Set

- Power up components
- Measures 0–70 V DC
- Measures 0–70 V AC
- Audio tone
- Voltmeter
- 12–24 volt range
- 20 ft cable
- Bad ground indicator
- Continuity tester
- Relay and component tester
- Signal locking will show the correct direction to a short to ground or open
- Signal distance bar indicators distance height from short to ground or open circuits
- LED light on receiver illuminates the work space area
- 10-minute auto shut off time
- Operates on 12–24 volt systems

**POWPPKIT03S**

**POWTK3EZRDS**



**POWPPKIT03S**



**POWTK3EZRDS**

### Power Probe® 4, ECT3000 Short/Open Finder, Power Probe® Lead Set

- Power-up components
- Measures 0–200 V DC; 0–200 V AC
- Operates on 12–24 V system
- Audio tone
- Visual menu
- Voltmeter
- Test resistance (Ohms)
- 12–24 volt range
- 20 ft cable
- Bad ground indicator
- Continuity tester
- Test fuel injector and driver mode
- Relay and component tester
- Signal locking will show the correct direction to a short to ground or open
- Signal distance bar indicates distance height from short to ground or open circuits
- LED light on receiver illuminates the work space area
- 10-minute auto shut off time

**POWPPKIT04**



**POWPPKIT04**

### Power Probe® Accessories and Replacement Parts

- POWTK0003** Piercing Probe Kit
- POWTK0005** Test Probe Adaptor Kit
- POWTK0013** 72" Red Extension Lead
- POWTK0014** 4 mm Adaptor Set Male/Female
- POWTK0021** Replacement Rocker Switch (Power Probe® 3/3EZ/4)
- POWTK0022** Carry Case (Power Probe® 3/3EZ/4)
- POWTK0023** Alligator Clip Adaptor
- POWTK0024** 3" Probe Tip (Power Probe® 3/3EZ/4)
- POWTK0025** Battery Adapter (Power Probe® 3/3EZ)
- POWTK0026** Cigarette Lighter Adapter (Power Probe® 3/3EZ)
- POWTK0027** 20' Extension Cable (Power Probe® 3/3EZ)
- POWTK0028** Switch Latch (Power Probe® 3/3EZ)
- POWTK0029** 20' Extension Cable (Power Probe® 4)



**POWTK0003**

### DFB

#### PP3Z with Case and Accessories

- Perform a battery check, charging system check, fuse check, voltage check, and component test, all while being guided through this process
- Offers the ability to not only identify a good power or ground source and connections but also supply battery voltage or ground
- Designed to provide fast electrical testing

Includes:

- Power Probe® 3EZ
- Optional 20' Extension Lead (with AS Kit) for a total of 40' (perfect for working on large trucks or trailers)
- Optional Cigarette Lighter Adaptor (with AS Kit)
- Battery Clip-Set (for connecting to vehicle battery)
- Convenient Carrying Case

**POWTK3EZGNAS** PP3EZ with case, and ACC-Green

**POWTK3EZGNCS** PP3EZ-Green unit only

**POWTK3EZRDS** PP3EZ with case, and ACC-Red

**POWTK3EZRDCS** PP3EZ-Red Unit only

**POWTK3EZCFAS** PP3EZ with Case, and ACC-Carbon Fiber

**POWTK3EZCFCS** PP3EZ Carbon fiber unit only



**POWTK3EZCFAS**



**POWTK3EZGNCS**

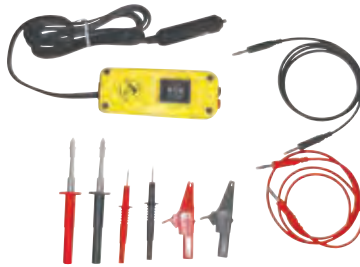


## Power Window Tools

### Window Regulator Activator

- Complete control of window regulator without jumper leads
- Reverses polarity instantly with rocker switch
- Thermal fuse protects relay modules in door
- Dual headlights illuminate dark areas
- Complete with probes, crocodile clips and wire piercing clips
- Designed and built in the USA (patent pending)

KTOART13



KTOART13

## Relay Bypass Kit



IPA9038

### 6 pc Master Relay Bypass Switch Combo Set #IPA9038

Fuel Pump Relay Bypass Master Kit

- Actuates fuel pump when the engine is not running
- Plugs in place of relay
- Controls fuel pump independent of "key on" systems
- Operating range: 20 Amp continuous, 30 Amp surge (12 V)
- Covers most Domestic, Japanese, Korean and German applications

**Kit Includes:** **Small Spade Relay:** US, Korean and Japanese 2000–newer applications **Medium Spade Relay:** US and Japanese 1970–2009 applications **Large Spade Relay:** Volkswagen® (most models 1999–2005) and Audi® (most models 2004–2006) **Large Rectangular Relay:** Common for 1995–2007 GM®, Chrysler® and Japanese applications **Square Relay:** Common relay for BMW® 1995–2006 applications **Small Rectangular Relay:** GM®, Chrysler® and Japanese 1985–2009 applications

- CA residents see page 365 for Proposition 65 warning. ⚠

IPA9038



IPA9037

### Relay Bypass Kit II

Fuel Pump Relay Bypass Kit II (3-Pc Set)

- Allows easy testing of fuel injection pressure by energizing the fuel pump while the engine is off
- Relay Bypass allows a technician to control the fuel pump independent of "key on" systems
- Operating range: 20 amp continuous, 30 amp surge (12V)
- Plugs in place of relay

**Kit Includes:** **Small Rectangular Relay:** Common for Acura® (1986–1990), Chevrolet® (1978–1988), Chrysler® (1987–1989), Dodge® (1981–1996), Eagle® (1989–1994), Geo® (1989–1992), Honda® (1986–1993), Lexus® (1990–2000), Mitsubishi® (1989–2004), Nissan® (1985), Plymouth® (1983–1994), Pontiac® (1998), Subaru® (1985–2007), Suzuki® (1985–1998) and Toyota® (1970–2003) vehicles **Square Relay:** Common relay for BMW® (1995–2006) and German applications. **Large Rectangular Relay:** Common relay for Acura® (1991–2006), Cadillac® (1997–2001), Chevrolet® (1998–2004), Chrysler® (1995–2005), Dodge® (1991–2005), Eagle® (1992–1998), Geo® (1992–1997), Honda® (1995–2009), Lexus® (1992–2008), Mitsubishi® (1991–2008), Nissan® (1993–1997), Plymouth® (1992–1995), Pontiac® (1994–2008), Saab® (2004–2007), Saturn® (2003–2007), Scion® (2003–2006), Subaru® (1998–2007) and Toyota® (1995–2008) vehicles

- CA residents see page 365 for Proposition 65 warning. ⚠

IPA9037



IPA9036

### 3 pc Relay Bypass Kit

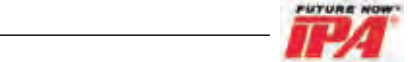
- Allows easy testing of fuel injection pressure by energizing the fuel pump while the engine is off

- Relay Bypass allows a technician to control the fuel pump independent of "key on" systems
- Operating range: 20A continuous, 30A surge (12 V)
- Plugs in place of relay

**Kit Includes:** **Large Spade Relay:** Popular on late model domestic and Japanese vehicles, Volkswagen® (most models from 1999–2005) and Audi® (most models from 2004–2006) **Medium Spade Relay:** Common relay for applications spanning most makes and models from late 1970–2009 **Small Spade Relay:** 2000–newer model USA, Korean and Japanese applications

- CA residents see page 365 for Proposition 65 warning. ⚠

IPA9036



IPA9038A

### Relay Bypass Kit with Amp Loop

- Allows circuit bypass and circuit testing for 12 V DC relays
- Control relay circuit independent of "key-on/key-off" systems
- Run all automotive 12 V DC motors with a push of a switch
- Simplifies fuel injection testing
- Use in conjunction with clamp-on amp probes and lab scopes
- Operating range: up to 20 amp continuous, 30 amp surge (12 V)

**Kit Includes:** **Small Spade Relay:** US, Korean and Japanese 2000 and newer applications **Medium Spade Relay:** US and Japanese 1970–2009 applications **Large Spade Relay:** Volkswagen® (most models 1999–2005) and Audi® (most models 2004–2006) **Large Rectangular Relay:** Common for 1995–2007 GM®, Chrysler® and Japanese applications **Square Relay:** Common relay for BMW® 1995–2006 applications **Small Rectangular Relay:** GM®, Chrysler® and Japanese 1985–2009 applications

- CA residents see page 365 for Proposition 65 warning. ⚠

IPA9038A

## Relay Pliers



LIL46950

### Relay Puller Pliers

- Removes electrical relays on most domestic and import vehicles
- Offset handle and thin tips allow access to relays in confined areas
- Specially designed tips are angled to fit slots or the edge of the relay cover
- Allows the relay to pop free from socket with less chance of damage to the relay
- Works on many heavy-duty and industrial applications

LIL46950



# Testing and Electronics

## Relay Testers

### #190 Relay Buddy® - Automotive Relay Tester

- Quick off-the-car relay tester - checks relay coil and switch contacts
- Automatic test with Good/Bad indication - fails bad relays
- Settable to 4 and 5 pin relay - tests the three most popular automotive relays
- Switch contacts are loaded to detect excessive resistance
- Uses vehicle 12 V battery for power
- Green light if relay is good - Red light if relay is bad

#### Applicable:

Automotive, Marine, RV, Heavy Duty, Equipment and more

**ESI190**



### Relay Buddy® Pro Test Kit

- Pro kit includes five new adaptors, greatly expanding relay testing capability
- Three new adaptors for testing shielded relays
- Two adaptors allows testing of two new relay types - commonly used for fuel pumps and other powered devices
- Quick off-the-car relay tester - checks relay coil and switch contacts
- Automatic test with Good/Bad indication - fails bad relays
- Settable to 4 and 5 pin relay - tests the five most popular automotive relays
- Switch contacts are loaded to detect excessive resistance
- Green light if relay is good - red light if relay is bad

#### Applicable:

Automotive, Marine, RV, Heavy Duty, Equipment and more  
Also Available:

**ESI191**

### Relay Buddy® Pro Test Kit

Also Available:

**ESI190-1** Shielded Relay Adaptor Micro

**ESI190-2** Shielded Relay Adaptor 280

**ESI190-3** Shielded Relay Adaptor Bosch®

**ESI190-4** Shielded Relay Adaptor Set (Set Includes: ESI190-1,

ESI190-2 and ESI190-3)

**ESI190-5** Relay Adaptor Set (Set Includes: ESI190-6 and ESI190-7)

**ESI190-6** Relay Adaptor 4 Pin

**ESI190-7** Relay Adaptor 5 Pin



**ESI191**

### Relay Buddy® 12/24

- 12/24 V relay tester with diagnostic trouble codes
- Quick off-the-car relay tester; checks relay coil and switch contacts
- Automatic test with Good/Bad indication; fails bad relays; green light if relay is good; red light if relay is bad and will flash one of three trouble codes
- Settable to 4- and 5-pin relay tests; tests the three most popular relays

**ESI192**



**ESI192**

### Relay Buddy® 12/24 V Pro Test Kit

- Kit includes the 12/24 V Relay Buddy® with diagnostic trouble codes
- Five test adaptors for expanded testing coverage
- Quick off-the-car relay tester; checks relay coil and switch contacts; green light if relay is good; red light if relay is bad; flashes one of three trouble codes
- Settable to 4- and 5-pin relay tests; tests the five most popular relays

**ESI193**



**ESI193**

## Relay Testers

### Relay Test Jumper Kit

- Makes testing relays or live circuits simple
- Fits the most popular size relays on domestic and import vehicles
- No need to pierce wires or connect multiple jumper wires
- Jumpers have tabs for clamping and flat pads to place test leads on

**LIL56810**



**LIL56810**

### Relay Tester Jumper Kit II

- Makes testing relays or live circuits simple
- Comes in blow-molded case for storage
- Simply remove relay to be tested, insert correct jumper and insert relay into jumper
- When using grey 4-pin jumper be careful to align pins on jumper and relay correctly
- No need to pierce wires or connect multiple jumper wires
- Jumpers have tabs for clamping and flat pads to place test leads on

**Includes:** Four (4) jumpers to fit many popular relays on Honda®, Nissan®, Toyota®, newer Ford® and original GM® vehicles, mini micro relays, as well, as International® trucks

**LIL60610**



**LIL60610**

### Test Lead Kit for Relay Test Jumpers

- Use with LIL56810 or LIL60610 to easily and securely connect relay test jumper to a multimeter
- Can also use banana plug to pin probe adaptor for use with pin probes
- Jumper wire may be used between common and open to close the relay circuit for testing and has a test port to easily check voltage
- Also provides access for a clamp-on amp meter

#### Kit Contains:

Two terminal to banana tip wires, two pin tip to banana plug adaptors and one terminal to banana tip wire with jumper wire

**LIL69200**



**LIL69200**



## Terminal Probe Adaptor Sets



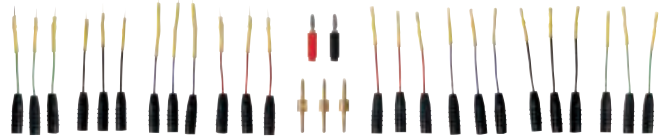
WAE77202

### Waecon Gold Perfect Mate Terminal Probe Adaptor Sets

- Tips are designed to be a perfect fit for most automotive connector pins
- Works great for "hands free" jumper wire testing
- Tee connection adaptor provides a solid connection for road testing

WAE77202 Spade

WAE77203 Round



WAE77205

### Micro Mate Terminal Adaptor Set

- Designed to be a perfect fit for most of the smallest automotive connector pins
- Great for small component and module connectors
- Provides a solid test connection without fear of connector damage
- Tee connection adaptor also acts as universal breakout box for virtually any 2- or 3-pin connector

### Kit Includes:

24 assorted micro pin terminal tips; 2 sizes of round terminals (3 each males and females); 2 sizes of spade/square terminals (3 each males and females); 2 screw on banana plug adaptors; 3 tee adaptors

WAE77205

## Terminal Tools



EZRPP12PK

### 12 pc Battery Brush Kit

- Clean and polish corroded battery posts
- 400–800 RPM recommended
- 1/4" hexagonal drive shaft to use with air drill or cordless driver
- Kit includes: 3 pieces505BTSSHQD Top Post, 3 pieces506C0SSHQD S/T – Group 31, 3 pieces509SSHQD Utility Brush, 3 piecesBK534QD Utility Brush

EZRPP12PK



EZRS501

### Battery Terminal Cleaner (Top Post Batteries)

- Highest quality cleaner of its kind
- Brush will not twist loose
- Protective cover fits both ends
- Clean top terminals/top posts
- Great for any type of battery cable ends
- Ensures a great connection

EZRS501



EZRS505

### Battery Post Cleaner

- Clean and polish dull battery posts, ensuring a great connection
- Cleans up to 1,000 battery posts
- 400–800 RPM is recommended
- Cleans tops and sides of battery posts

EZRS505

## Terminal Tools



IPA8024

### 7 Round Pin Terminal Cleaners

- Clean and restore male and female 7-round pin connections
- Recondition bad connections by removing corrosion
- Enhance electrical contact points
- Use as a pin wear gauge
- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8024

Set Includes:

IPA8024-AS1 Large

IPA8024-AS2 Small

### Terminal Cleaner Master Set

- For cleaning 4/5 pin, 6 round and 7 spade pin terminals
- Quickly and precisely cut away corrosion
- Maintain continuity and prevent circuit failure
- Cleans tail and side marker light assemblies
- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8025 Set

Includes:

IPA8025-1 Blue Handle Cleaner

IPA8025-2 Red Handle Cleaner

IPA8025-3 Green Handle with Brush

IPA8025-4 Green Handle Center Pin



IPA8025

# Testing and Electronics

## Terminal Tools



### Diamond Grip Terminal Cleaners

- Highly durable with mild abrasive coating
- Pivoting handle for added versatility
- Works for both male and female connectors on flat (spade) pin-type terminals
- Designed to clean and enhance electrical connections safely

#### Applicable:

Computer modules, engine, general transmission, fan, alternator connections, radios, lights and many more

- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8040**



**IPA8040**

### MANTUS™ Tight Access Tool

- Interlocking serrated gripping tips
- 6" Length
- High-quality, surgical stainless steel
- Grips wires, gaskets, tubes, tools, terminals and more
- Also used as terminal cleaners for male spade pins
- Low profile reach
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8041**



**IPA8041**

### Female Bullet Connector Cleaner Set

- Cleans round pin type electrical connectors
- Remove corrosion and reduce diagnostic guesswork
- Features durable diamond abrasive coating
- 12 pc set of round files ranging from .030-.120"
- Designed to clean Cannon, Deutsch, Bullet, NATO, Weatherpack and other round pin female terminals

#### Applicable:

Automotive, military, plow and industrial connectors

- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8042**

**IPA8042-1** .030" Diamond Round File – 3 pk

**IPA8042-2** .040" Diamond Round File – 3 pk

**IPA8042-3** .050" Diamond Round File – 3 pk

**IPA8042-4** .060" Diamond Round File – 3 pk

**IPA8042-5** .070" Diamond Round File – 3 pk

**IPA8042-6** .080" Diamond Round File – 3 pk

**IPA8042-7** .090" Diamond Round File – 3 pk

**IPA8042-8** .0100" Diamond Round File – 3 pk

**IPA8042-9** .0110" Diamond Round File – 3 pk

**IPA8042-10** .0120" Diamond Round File – 3 pk



**IPA8042**

### Micro Male Electrical Pin Cleaners

- Cleans Deutsch, Cannon, Bullet and other round electrical pins
- Engineered with a contoured design and diamond coating to clean male electrical pins safely
- 3 pc set cleans pins ranging in sizes from .030-.040", .060-.065" and .090-.098", which are the same sizes found in most makes of cars and trucks, as well as construction, agriculture, industrial and military equipment
- For use on DC circuitry only; will not damage pins
- Includes leather-type holster
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8043**

#### Set Includes:

**IPACLR040** Cleans pins ranging in sizes from .030-.040"

**IPACLR060** Cleans pins ranging in sizes from .060-.065"

**IPACLR090** Cleans pins ranging in sizes from .090-.098"



**IPA8043**

### Master Trailer Cleaner Set

- For 4/5 pin, 6 round, 7 flat/spade and 7 round pin trailer connections
- Maintain continuity and prevent circuit failure
- Clean and re-size trailer pins
- Remove corrosion from connectors
- Extend harness life
- Use as a pin wear gauge

**Includes:** 4 and 5 Round Pin; 6 Round Pin; 7 Flat (Spade) Pin; 7 Round Pin; Swab-Eez® 8 mm and 5 mm Head; DeoxIT® Contact Cleaner

#### Applicable:

Trailer connectors, bullet, butt and standard, AWG terminal connectors; auto, marine and industrial uses

- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8044**



**IPA8044**



**IPA8045**

### Plow Terminal Cleaners

- Clean and restore male and female electrical plow connectors used on Fisher® Minute Mount and similar setups
- Remove corrosion and increase harness life
- 3 pc set with leather-type holster

#### Applicable:

Western®, Fisher®, BOSS®, Meyers® and more

- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA8045**

## Terminal Tools



IPA8047

### Diamond-Coated Electrical Contact Cleaners

- 3 pc set includes: 6 mm, 9 mm and 15 mm flat files
- Enhances connections and extends contact life
- Non-slip, hi-viz, ergonomic handles for comfortable use
- Ultra-thin, flexible files for added functionality
- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8047



IPA8048

### HD Fleet Technician's Electrical Terminal Maintenance Set

- Helps to prevent intermittent power failures
- Helps to ensure proper diagnostic equipment connectivity
- Extends harness life
- Cleans external and internal connections and connectors

**Set Includes:** Large and small flat external and internal spade terminal cleaners; large and small 7 round pin socket harness cleaners; one ABS sensor/power connector cleaner; 10 micro diamond round files; trailer light bullet connector cleaner; DeoxIT® contact chemical cleaner; leather-type holster

- CA residents see page 365 for Proposition 65 warning. ⚠

IPA8048



IPA9200

### Tactical Trailer Tester Field Kit

- Test all trailers and vehicle tow circuits
- Clean all truck and trailer electrical connections
- Custom case with a custom foam insert is waterproof and crushproof; includes pressure equalization (purge) valve

**Kit Includes:** Heavy Duty Ranger MUTT®, 8' 7 Round Cable, 7 Round to 7 Flat Adaptor, 3-Way Trailer Adaptor, Truck and Trailer Pin Master Cleaner Set, Diamond-Tip Electrical Terminal Cleaners, 500mA Battery Charger, 4/5 Pin Trailer Harness Checker, 6-Way Round Pin Trailer Circuit Tester, 7-Way Round Pin Tractor Trailer Circuit Tester, and 7-Way Flat (Spade) Pin Trailer Circuit Tester

- CA residents see page 365 for Proposition 65 warning. ⚠

IPA9200

### Deutsch Terminal Tool

- Works on IEM electrical connectors used on trucks and equipment such as Caterpillar®, Kenworth®, Peterbilt®, Freightliner®, Mack® and more
- Also used on some Harley-Davidson® and industrial equipment connectors
- Slotted tubes are made from stainless steel which is more durable than plastic
- Built in a convenient "spider" design so the most popular sizes are always available

LIL59600



LIL59600

### LED Quick Change Terminal Tool Set

- Lights the work area and removes wires from terminals without damage
- The light handle illuminates electrical connectors
- Includes (24) quick-connect terminal disconnect tools, a sheathing ripper and a terminal pin repair tool
- Compact handle uses three LR626 batteries (included)
- Handy application cross-reference printed in the lid of the blow molded case

LIL71750



LIL71750



OTC6766

### 6.0L Terminal Release Tool for Ford® Vehicles

- Required for removal of the vehicle's injector wiring harness without causing damage to the component

OTC6766



SAG18570

### Deutsch Terminal Release Tools for 8 and 10 Gage Wire (Contact Size 8)

- Use to release Deutsch terminals from connectors
- Provides coverage for larger diameter wire
- Color coded gray for easy identification
- All metal construction with knurled anodized aluminum handles and stainless steel shaft

SAG18570



SAG18580

### Weather Pack Terminal Release Tool

- Quickly and easily depresses the terminal retention tabs to allow the terminal to be removed from the connector when repairing wiring harnesses
- Use with three sizes of Weather Pack Terminals: 10–12 AWG, 14–16 AWG and 18–22 AWG
- Can also be used to restore the tabs to their original position
- Comfortable handle grip

SAG18580

# Testing and Electronics

## Terminal Tools

### Deutsch Terminal Service Kit

- 6 piece kit to crimp and release the most popular automotive specialized terminals found on cars, trucks, construction equipment, motorcycles, race cars, agricultural and marine equipment, heavy-duty vehicles and other vehicles subject to excessive vibration and wherever an environmentally sealed connection is used
- Crimps both open and closed barrel terminals
- Crimping tools are steel construction with cushioned grip handles
- Release tools have stainless steel shafts and color-coded knurled aluminum handles

**SAG18650**



**SAG18650**



**THX483**

### Deutsch Terminal Removal Tool Kit

- Fits Deutsch D10, HD20 and HD30 series connectors using 4, 8, 12, 14, 16, 20 gauge wire
- Tools slide into rear of connector to depress locking tabs
- Deutsch components are used on Chrysler®, GM®, AGCO®, John Deere®, Case®, Bobcat®, Caterpillar® and many heavy-duty trucks

**THX483**

**THEXTON**



**SIRST9024**

### Fold-Up Wire Terminal Extractor Kits

- Equipped with factory correct extractor press barbs
- Mate up to DC wire terminals throughout vehicle allowing for easy wire terminal release from their respective harness or connector

**SIRST9024 SIRST9024 Kit Includes:** Key for European, Asian and US with 35 pin ABS, ECUs Key for European, Asian and US with 55 pin ABS, ECUs Curved and tapered key allow for lever action to easily access and quickly release of terminals Blade follows wire without piercing it, allowing for easy access and opening of harness Key for US and Asian under hood sensors, coolant and throttle position sensor, etc. Key for US and Asian PCM and transmission harness



**THX493**

**THEXTON**

### Terminal Release Tool Kit

- Quickly and easily disassemble automotive connectors to remove faulty terminals
- Eliminates connector damage and is easier and faster than prying connectors apart with a screwdriver
- Each tool has a specially designed tip to depress the connector locking tab that secures the terminal

**Kit Includes:** Seven terminal tools to fit the most common automotive connectors  
**THX493**

**THEXTON**

### Deutsch Terminal Release Tools

- Designed to fit Deutsch HD10, HD20 and HD30 Series connectors and Jiffy Splices
- Tools slide over wire in the rear of the connector to release locking tabs
- Deutsch components are used on Chrysler®, GM®, AGCO®, John Deere®, Case®, Bobcat®, Caterpillar® and many heavy-duty trucks

**THX582** 20 Gauge Wire

**THX583** 16 Gauge Wire

**THX584** 14 Gauge Wire



**THX582**

### Professional Terminal Release Tool Kit

- Made specifically for Deutsch connectors
- Made of high grade steel for durability
- Designed with the professional technician in mind

**THX588** Kit

**Includes:**

**THX588-01** Terminal Release Tool 20 GA

**THX588-02** Terminal Release Tool 16 GA

**THX588-03** Terminal Release Tool 14 GA



**THX588**

### Terminal Release Tool Kit II

- Tools quickly and easily disassemble automotive connectors to remove faulty terminals
- Eliminates connector damage and is easier and faster than prying connectors apart with a screwdriver
- Includes six terminal tools to fit the most common automotive connectors
- Each tool has a specially designed tip to depress the connector locking tab that secures the terminal

**Applicable:**

Tyco® HD Series, Delphi® 50 Series, Bosch® Compact Series, Tyco®/Lear® Timer Series, Delphi® Fuse Bloc and Relays centers, Delphi® Micro/Metri Pak Series and ITT® Canon®/Molex® Small Round Pin Series Connectors

**THX595** Kit

**THX59501** ITT Canon®/Molex® Terminal Release Tool



**THX595**

**THEXTON**



## Testing and Electronics

### STL-EAR-Wireless ChassisEar®

- Detect the source of squeaks, rattles, and other errant or troublesome noises throughout a car or truck's chassis
- Noises can be transmitted up to 50' from the transmitter to the receiver
- Listen to noises with the built-in speaker or with headphones through the 3.5 mm jack
- LED lights indicate signal strength of the active channel
- Kit includes (4) independent transmitters that can be mounted in locations across the vehicle
- 60635 series transmitters and receiver units are not compatible with older, STEELMAN® 97202 ChassisEar® models

**JSP60635**  
**JSP6063501**  
**JSP6063502**  
**JSP6063503**  
**JSP6063504**  
**JSP6063505**  
**JSP9720208EA**



**JSP60635**

## Trailer Wiring Testers

### Trailer Buddy

- Tests 4 and 5 pin flat connector wiring
- Each signal from vehicle will emit a unique tone
- One person makes complete test in 30 seconds
- Very simple and easy-to-use
- Lighting circuits tested: left turn signal, right turn signal, brake, running lights, reverse and wiring shorts

**ESI220**



**ESI220**

### 7 Pin Trailer Buddy

- Tests round 7 pin connectors with flat pins
- Each signal from vehicle emits a unique tone
- Electric brake control signal illuminates red LED
- Loud beep can be heard over shop noise
- Greatly reduces time spent verifying vehicle trailer wiring
- Lighting circuits tested: left turn signal, right turn signal, brake, running lights, reverse and wiring shorts

**ESI222**



**ESI222**

### Light Ranger MUTT® – Utility and RV Type Tester

- Portable and water-resistant trailer light tester and trailer brakes tester that allows the user to perform all testing functions without the use of the vehicle
- Tests 7 spade, 6 round and 4/5 pin type trailer harnesses
- Short circuit protection
- Turn signal simulation and power verification LED
- Trickle charger and trailer plug adaptor included
- Internal battery compartment (12 V battery not included)
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA9101**



**IPA9101**

### Heavy Ranger MUTT® – Commercial Type Tester

- Commercial type trailer light tester and trailer electric brakes tester that allows the user to perform all testing functions without the use of the vehicle
- Test 7-way round pin
- Short circuit protection
- Turn signal simulation and power verification LED
- Water-resistant
- Includes trickle charger
- Internal battery compartment (12 V battery not included)
- CA residents see page 365 for Proposition 65 warning. ⚠

**IPA9102**



**IPA9102**

## Wire Installation Tools

### 2 pc Wire Inserter Tool Kit

- Comes with a 1/4" O.D. and 3/8" O.D. wire inserter tools to be used when installing wires for audio electronics, aftermarket lighting, alarm systems and more
- With a sharp point on the end and palm size handle it provides extra leverage to pierce through firewalls, rubber grommets and panels
- The 10-1/2" steel tube provides easy access to feed wires through the other side of the firewall

**LIL61030** Includes 1/4" Wire Inserter Tool and 3/8" Wire Inserter Tool

**LIL60950** 1/4" Wire Inserter Tool

**LIL60960** 3/8" Wire Inserter Tool



**LIL61030**



CASEY TOOL, A LLC

### KCT993 BRAKE RE-THREADING KIT

- Compact design male/female combo sockets
- Re-thread damaged brake line fittings on vehicle
- Re-thread damaged brake wheel cylinders on vehicle
- Re-thread damaged brake master cylinder fittings on vehicle
- Re-thread damaged ABS control module fittings on vehicle
- Works on vehicle where standard alone tap & dies won't fit
- Convenient, fast and easy vehicle applications
- Most common SAE & Metric sizes - 3/8 - 24 1/2 - 20 10mm - 1.0  
7/16 - 24 5/8 - 18 12mm - 1.0

AWARD  
WINNING

#### THE KCT993 WORKS ON -



### KCT1350 LUG RIPPER II

- Don't torch frozen/damaged lug nuts off just drill out the lug nut/stud threads only in 11 minutes or less
- 16mm Tungsten steel drill bit with 4 carbide cutters allow for speed and durability
- Will not damage rim
- Patent Pending
- Includes 4 drill guides - 17mm - 11/16" 21mm - 13/16"  
19mm - 3/4" 23mm - 7/8"



**Tungsten drill bit  
w/4 carbide cutters  
drills out female/male threads  
on lug nut/stud only!**

### KCT830A HUB SHOCKER

- Safely remove all frozen hubs instantly without damaging the axle
- Universal fit mounts to all axle bolted hubs - 5, 6 & 8 lug hubs
- Mounts to two studs using supplied flanged nuts in seconds
- Use with 5 lb. hammer to knock frozen hubs out of axles
- Flanged nuts included for improved safety & performance
- **Ideal for Dodge and other HD trucks**
- Two mounting holes in 3/4" steel back plate
- 1/4" steel square tubing and striking plate



Included flanged  
nut sizes - 2 each

12mm - 1.50  
14mm - 1.50  
7/16" - 20  
1/2" - 20  
9/16" - 18  
5/8" - 18



IN USE

### KCT855A TEXAS TWISTER™ AIR HAMMER PULLING KIT

#### Use your air hammer to pull -

- Seals
- Diesel injectors
- Axles
- Bearings
- Harmonic balancers
- Pulleys
- Axle pinion flanges
- Old distributors
- Connect to your specialty pullers
- **NO MORE SLIDE HAMMERS**
- Now includes KCT855A-18 Vise Grip Adaptor  
Connect to any 7/16-14 thread vise grip



AWARD  
WINNING

Patent #7,036,211



### KCT4569 GERMAN VEHICLE ROTATING RING LUG NUT REMOVAL KIT

- Easily remove rotating ring lug nut locks from Audi, BMW, Mercedes Benz, Porsche, VW
- Use KCT4569A Silicon Welding Shield to protect wheel from heat damage while you Mig weld rotating ring to lug nut
- With rotating ring welded to lug nut, use included twist socket (KCT4569B) to remove lug nut
- Safe, Fast, Easy solution to rotating ring lug nut locks
- KCT4569A consumable item with factory defect warranty only
- KCT4569B has a lifetime warranty
- Patent Pending on KCT4569A Silicone Welding Shield



### KCT890 TRUCK BRAKE SPRING TOOL

- Easily connects rear drum brake return springs
- Easy one hand operation
- Slotted ends on tool always hold spring at correct work angle
- No need to leverage tool against a solid surface during spring installation
- **Adjusts to 3 sizes**
- FAST - EASY - SAFE

AWARD  
WINNING



IN USE

### KCT895 EATON TRUCK BRAKE SPRING TOOL

- Easily installs Eaton air brake shoe anchor springs
- Universal fit for all Eaton air brake shoe anchor springs
- FAST - EASY - SAFE

spring  
not included



IN USE

## Bead Breakers

### Heavy Duty Impact Bead Breaker T26B

- Exclusive spring action design to reduce fatigue associated with slide hammer kickback
- Loosens beads with bead-breaking foot and ram bar, but never cuts the bead of the tire
- Wedge foot is forced between the bead and rim flange
- Breaker is designed for shop or road use
- No other bead breaker tools are necessary

**KNN35926**



**KNN35926**

### 5 Ton Hydraulic Bead Breaker

- 5" opening
- Works on single and multiple rims
- Constructed from rugged steel
- Works with any 10,000 PSI pump

#### Specifications:

Capacity: 5-Ton Maximum Ram Size:  
26" Hydraulic Oil Capacity: 250 mL  
Dimensions: 17-1/2" x 5-1/2" x 12" GW: 36 lb  
**OMG22910**



**OMG22910**

## Breaking Wedges



**KNN35229**

### Replacement Handle TG11EH

**KNN35229** For hammer KNN35429, Fiberglass



## Depth Gauge



### X-Tread Electronic Tire Tread Depth Gauge

- Spring-loaded and hold measurement button for ease-of-use
- Super-large display
- Range: 1"/25 mm
- Resolution: .0005"/.01 mm, fractions in 1/64" increments
- Supplied in vinyl holster

**FFL54225500**



**FFL54225500**

## Hot Patch Refills



**BJKLB-850**



**BJKRE-460**



**BJKRE-480**



**BJKRE-640**

### Refills "Hot Patch"

**BJKLB-850** (1) 2 oz Plug Lube

**BJKRE-460** (60) 4" Diameter Large – Hot Patch Repair

**BJKRE-480** (80) 4" Diameter Small – Hot Patch Repair

**BJKRE-640** (40) 6" Diameter Large – Hot Patch Repair

## Lug Nut Cap Remover



**OTC5047**

### Lug Nut Cap Remover

- Cushioned handles
- Non-slip jaws will not slip off of caps

**OTC5047**

## Lug Nut Tools

### Lug Ripper

- Tungsten steel drill bit with four carbide cutters for speed and durability
- Locking collar clamp secures drill guide to lug nut
- Easily drill out stripped/broken lug nuts in minutes
- Patent pending

**KCT1350**

**KCT1350-1** 25.4 x 18.78 mm

**KCT1350-2** 25.4 x 21.33 mm

**KCT1350-3** 29.43 x 23.6 mm

**KCT1350-4** 29.43 x 25.5 mm

**KCT1350-5** Collar Clamp 35 x 15 mm

**KCT1350-6** Drill Clamp 16 x 35 mm

**KCT1350CASE** Case for KCT1350



**KCT1350**



**KCT4569**

### German Vehicle Rotating Ring Lug Nut Removal Kit

- Easily remove rotating ring lug nut locks from Audi®, BMW®, Mercedes Benz®, Porsche® and VW®
- Use high heat resistant KCT4569A silicon welding shield to protect wheel from heat damage
- Safe, fast, easy solution to rotating ring lug nut locks

**KCT4569**



**KDT3911D**

### Toyota® Lock Nut Tool

- Chrome vanadium steel 1/2" drive socket
- Use for most SUVs and light truck axle locknut applications
- Use with a torque wrench, ratchet, or breaker bar

**KDT3911D**



# Tire and Wheel

## Repair and Tool Centers

### TireJIM™ Tire Repair Center

- Complete all-in-one tire repair center
- Win the time war without customer tire installation delays
- Keeps tire installation equipment free to install new tires
- Steelman® patches and tire repair supplies are readily available
- Inventory control made easy
- Shipments within 24 hours
- Tire repair training and instructions available

**JSP4000** (Tools Sold Separately)



**JSP4000**

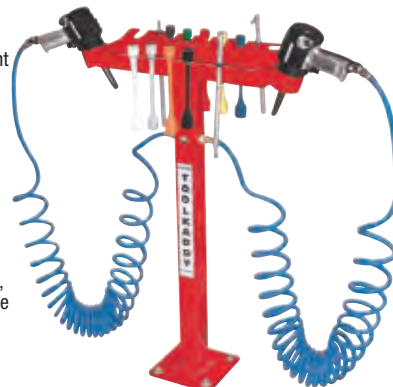
### “ToolKADDY” Express Tire Installation Center

- Keeps tire installation equipment and tools completely organized and easy to find
- Air supply for two impact guns with holders for impact guns to prevent damage
- Cut service time
- Designed for team tire service
- Improves productivity
- All steel construction
- Top head with tray – 11" gauge, stand – 3/16" steel, bottom base – 1/4" plate

#### Includes:

Head, stand and air manifold (top feed) and (2) hoses

**JSP50002** (Tools Sold Separately)



**JSP50002**

## Stop Chocks

### High-Grip Stop Chocks

- Works great on shop floors or lifts
- Rubberized traction provides excellent slip resistance
- Made from high-compression material
- 2 pk, red

**ERN980**

**ERN980**



## Stud Installer

### Stud Installer M14-2.0 Kit

For Ford® F-250®–F-550® Series Trucks

- Installing button head wheel studs on Ford® trucks F-250® Super-Duty® through F-550® (1998–present)
- Pulls the stud into the drive flange or hub without damage to the threads
- 1-1/8" hex drive tool
- 1-1/8" 6-point socket or wrench
- 1-7/8" long and internally threaded M14-2.0

**Kit Includes:** (1) M14-2.0 Stud Installer, (1) Spacer, (2) Washers

• CA residents see page 365 for Proposition 65 warning. ⚠

**AEM795**

**AEM795**



## Stud Remover/Installer

### 7 mm Stud Remover/Installer

- Multiple applications
- Ideal for BMW® vehicles manifold studs

**AST200-7**

**AST200-7**



## Supplies and Accessories

### Accessories and More

**JSP00029** Stitcher, 1-1/2" Wheel, Standard

**JSP000190** Awl/Probe

**JSP00029**



## Tire Inflator

### Portable 12 V Inflator

- Inflates a tire in under 3-1/2 minutes (0–28 PSI flat to full – P185/70R14)
- Built-in analog glow-in-the-dark pressure gauge for high visibility, especially at night
- “WHISPER SOFT” technology for quiet and efficient operation
- 15' of air hose and power cord for maximum reach
- Fast air delivery; max output 130 PSI
- Rubber air hose with quick connect valve adaptor
- Plugs into 12 V vehicle power outlet

**Includes:** (1) Heavy duty nylon carrying bag (5) High-flow adaptors for large inflatables (1) Sports needle (1) Raft nozzle (1) Presta® valve adaptor (1) Bilingual manual

#### Applicable:

Trucks, cars, SUVs, bicycle and motorcycle tires, sports balls, water toys and more...

**BNRBA12BPS**

**BNRBA12BPS**





## Tire Pressure Monitoring System (TPMS) and Accessories



### reCore® TPMS Saver System

- reCore® extends the life of broken valve-type TPMS wheel modules when galvanic corrosion has damaged the valve stem and/or core – no need to replace the entire TPMS unit
- Repair on the vehicle without having to dismount the wheel from the car or dismount the tire from the wheel
- No need to re-set or re-learn the TPMS sensor module
- Takes only 10–15 minutes to install! Does not require a vehicle lift, a floor jack will do. Only a 3/8" power drill is needed, plus pliers and air supply
- Adds less than 1/4 ounce to the tire and wheel assembly – requires no rebalancing. And its chrome finish looks great on all wheel styles!
- Reduces cost to the consumer – instead of replacing an expensive or hard-to-get TPMS unit, this is a faster and more economical alternative

**KNN29980**

**KNN29981** reCore® TPMS Sensor Refill Kit



**KNN29980**

## Tire Repair Kits



**BJKKT-103**



**BJKKT-20S**



**BJKKT-20SC**

### ATV Compact Tire Repair Kit

- Contains (4) CO2 inflation cartridges
- Steel handles with rubber-embedded PVC for easy control
- Permanent repairs "Guaranteed for the Life of the Tire"
- Includes (1) Pencil Tire Gauge 0–20 PSI

**BJKKT-103**

### Small Repair Kit with Plastic Tools

- Heavy-duty plastic case with molded compartments and snap lock
- Plastic T-handle tools
- One reamer
- Open-eye needle for inserting repairs
- Razor blade for removing excess repair
- One jar of lube
- Easy-to-follow, full color illustrated step-by-step instructions

**BJKKT-20S**

### Repair Kit with Chrome Tools

- Compact repair kit
- Solid chrome steel handles
- 20 permanent repairs "Guaranteed for the Life of the Tire"
- "Easy-In" spiral probe (works like an easy out, but with right-hand threads)
- Specially formulated insertion lube—makes it easy to install repair

**BJKKT-20SC**



**BJKKT-220**

### Compact Tire Repair Kit

- Two compact T-handle tools with solid steel cores: one sport handle reamer and one sport handle open-eye needle
- Razor blade for removing excess repair material and 20 repairs
- One jar of specially formulated lube
- Easy-to-follow, full-color, step-by-step instructions
- Heavy-duty plastic case with snap lock

**BJKKT-220**



**BJKKT-330**

### Multi-Use Tire Repair Kit

- T-bone handle with spiral probe
- T-Bone handle with 4" open-eye needle
- Spare 6" open-eye needle
- Screwdriver with reversible shaft and valve core tool
- Hex wrench
- Specially formulated lube
- Razor blade and 30 repairs
- (10) 4" large diameter, (10) 4" small diameter and (10) 6" small diameter
- Custom, form-fitted case

**BJKKT-330**

# Tire and Wheel

## Tire Repair Kits



### T-Bone Tire Repair Kit

- Designer custom fitted carrying case
- Two solid steel handles with rubber-embedded PVC grips for maximum control
- 30 repairs
- "Easy-In" spiral probe (works like an easy out, but with right hand threads)
- Specially formulated insertion lube—makes it easy to install repair
- Repairs contain carbon black, which makes the repairs black and strengthens butyl rubber

**BJKKT-330B** Blue  
**BJKKT-330G** Green  
**BJKKT-330O** Orange  
**BJKKT-330P** Pink  
**BJKKT-330R** Red  
**BJKKT-330Y** Yellow



**BJKKT-330B**



**BJKKT-330G**



**BJKKT-330O**



**BJKKT-330P**



**BJKKT-330R**



**BJKKT-330Y**



**BJKKT-335**



**BJKKT-340**

### Truck Tire Repair Kit

- T-bone handle with spiral probe
- T-bone shaft handle with 6" open-eye needle
- Spare 6" open-eye needle
- Screwdriver with reversible shaft and valve core tool
- Hex wrench
- Specially formulated lube
- Razor blade and (35) 6" repairs (20 small and 15 large)
- Custom, form-fitted case

**BJKKT-335**

### Tire Repair Kit

- T-bone handle with spiral probe
- T-bone handle with 4" open-eye needle
- Spare 4" open-eye needle
- Screwdriver with reversible shaft and valve core tool
- Hex wrench
- Specially formulated lube
- Razor blade and 40 repairs
- (20) 4" large diameter, (20) 4" small diameter
- Custom, form-fitted case

**BJKKT-340**

### CO2 Cartridge

- Blister card of (4) CO2 cartridges, 16 grams each
- Refills for the KT-103 bag kit

**BJKKT-C02-4**



**BJKKT-C02-4**

### 6" Small Diameter Refills

- Small diameter repairs are designed for smaller injuries
- Carbon black makes the butyl rubber stronger
- Carbon black makes the repair match the color of the tire
- Conforms to the size and shape of the injury
- Shelf life on this product is over 20 years
- Box of 45

**BJKRE-645**



**BJKRE-645**

### Tire Repair Tools

- Removes foreign objects from the tire
- Uses a twisting motion to clean the injury and spread the cords, easing the insertion of the repair into the tire
- Auguring action makes it easy to follow the injury in even the toughest tires

### BJKTH-302

**BJKRN-234** Replacement 4" Open-Eye Needle

**BJKRN-236** Replacement 6" Open-Eye Needle

**BJKRN-238** Replacement 8" Open-Eye Needle

**BJKRZ-710** Razor Blades 100 pk

**BJKRZ-720** Box Cutter

**BJKTH-102** Chrome T-Handle with Spiral Probe

**BJKTH-104** Chrome T-Handle with 4" Needle

**BJKTH-106** Chrome T-Handle with 6" Needle

**BJKTH-112** Plastic Handle with Spiral Probe



**BJKTH-302**



**BJKTH-102**



**BJKRN-236**

## Tire Repair Kits

### Tire Repair Kit

**Kit Includes:** (50)  
Fat-Brown String, 4" (1)  
Chemical Cement, 8 oz (1)  
Pistol-Grip, Spiral Probe (1)  
Pistol-Grip, Slot Needle (15)  
Universal Patch, 2-1/4"

### JSP12361KIT



### Tire Repair Kit

**Kit Includes:** JSP12361, JSP14204  
**JSP12361TOTE**

Part No.	Description	Qty
JSP12361	Fat-Brown String (4")	50
JSP14204	Pistol-Grip, Spiral Probe	1



JSP12361



JSP12361TOTE



JSP14204

## Torque Sockets/Sticks



KTT30304A

### 1/2" Drive 6-Point 17 mm Torque Socket, 55 ft-lb, Green

- 1/2" drive torque limiting socket
- 6-point
- 17 mm 55 ft-lb
- 75 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30304A** 17 mm, 55 ft-lb, Green



KTT30305A

### 1/2" Drive 6-Point 17 mm Torque Socket, 80 ft-lb, Red

- 1/2" drive torque limiting socket
- 6-point
- 17 mm 80 ft-lb
- 110 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30305A** 17 mm, 80 ft-lb, Red



KTT30306A

### 1/2" Drive 6-Point 19 mm Torque Socket, 65 ft-lb, Yellow

- 1/2" drive torque limiting socket
- 6-point
- 19 mm (3/4") 65 ft-lb
- 90 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30306A** 19 mm, 65 ft-lb, Yellow



KTT30307A

### 1/2" Drive 6-Point 19 mm Torque Socket, 80 ft-lb, Blue

- 1/2" drive torque limiting socket
- 6-point
- 19 mm (3/4") 80 ft-lb
- 110 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30307A** 19 mm, 80 ft-lb, Blue



KTT30308A

### 1/2" Drive 6-Point 19 mm Torque Socket, 100 ft-lb, Gray

- 1/2" drive torque limiting socket
- 6-point
- 19 mm (3/4") 100 ft-lb
- 135 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30308A** 19 mm, 100 ft-lb, Gray



KTT30309A

### 1/2" Drive 6-Point 21 mm Torque Socket, 60 ft-lb, Black

- 1/2" drive torque limiting socket
- 6-point
- 21 mm 60 ft-lb
- 82 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30309A**



KTT30311A

### 1/2" Drive 6-Point 21 mm Torque Socket, 100 ft-lb, Brown

- 1/2" drive torque limiting socket
- 6-point
- 21 mm 100 ft-lb
- 135 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30311A** 21 mm, 100 ft-lb, Brown



KTT30310A

### 1/2" Drive 6-Point 21 mm Torque Socket, 80 ft-lb, Light Brown

- 1/2" drive torque limiting socket
- 6-point
- 21 mm 80 ft-lb
- 110 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30310A** 21 mm, 80 ft-lb, Light Brown



KTT30312A

### 1/2" Drive 6-Point 22 mm Torque Socket, 120 ft-lb, White

- 1/2" drive torque limiting socket
- 6-point
- 22 mm (7/8") 120 ft-lb
- 160 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30312A** 22 mm, 120 ft-lb, White



# Tire and Wheel

## Torque Sockets/Sticks



**KTT30313A**

### 1/2" Drive 6-Point 22 mm Torque Socket, 140 ft-lb, Turquoise

- 1/2" drive torque limiting socket
- 6-point
- 22 mm (7/8") 140 ft-lb
- 140 Nm
- Solid one-piece construction
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30313A** 22 mm, 140 ft-lb, Turquoise



**KTT30327A**

### 1/2" Drive 6-Point 22 mm Torque Socket, 100 ft-lb, Light Blue

- 1/2" drive torque limiting socket
- 6-point
- 22 mm (7/8") 100 ft-lb
- 135 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30327A**



**KTT30336A**

### 1/2" Drive 6-Point 22 mm Torque Socket, 75 ft-lb, Orange

- 1/2" drive torque limiting socket
- 6-point
- 22 mm (7/8") 75 ft-lb
- 100 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30336A** 22 mm, 75 ft-lb, Orange



**KTT30341A**

### 1/2" Drive 6-Point 19 mm Torque Socket, 120 ft-lb, Quartz Gray

- 1/2" drive torque limiting socket
- 6-point
- 19 mm (3/4") 120 ft-lb
- 160 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30341A**



**KTT30343A**

### 1/2" Drive 6-Point 21 mm Torque Socket, 110 ft-lb, Red Orange

- 1/2" drive torque limiting socket
- 6-point
- 21 mm 110 ft-lb
- 150 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30343A**



**KTT30328A**

### 1/2" Drive 6-Point 21 mm Torque Socket, 147 ft-lb, Charcoal

- 1/2" drive torque limiting socket
- 6-point
- 21 mm 147 ft-lb
- 220 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30328A** 21 mm, 147 ft-lb, Charcoal



**KTT30338**

### 1/2" Drive 6-Point 22 mm Torque Socket, 110 ft-lb, Pearl Copper

- 1/2" drive torque limiting socket
- 6-point
- 22 mm (7/8") 110 ft-lb
- 150 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30338**



**KTT30329A**

### 1/2" Drive 6-Point 17 mm Torque Socket, 90 ft-lb, Off-White

- 1/2" drive torque limiting socket
- 6-point
- 17 mm 90 ft-lb
- 122 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30329A** 17 mm, 90 ft-lb, Off-White



**KTT30898A**

### 1/2" Drive 6-Point 21 mm Torque Socket, 160 ft-lb, Light Purple

- 1/2" drive torque limiting socket
- 6-point
- 21 mm 160 ft-lb
- 215 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30898A**



**KTT30322A**

### 10 pc 1/2" Drive Torque Set

10 Piece 1/2" Drive Torque Socket Set

- 6-point
- Set includes: KTT30304A Green: 17 mm, 55 ft-lb; KTT30305A Red: 17 mm, 80 ft-lb; KTT30306A Yellow: 19 mm, 3/4", 65 ft-lb; KTT30307A Blue: 19 mm, 3/4", 80 ft-lb; KTT30308A Gray: 19 mm, 3/4", 100 ft-lb; KTT30310A Light brown: 21 mm, 80 ft-lb; KTT30311A Brown: 21 mm, 100 ft-lb; KTT30312A White: 22 mm, 120 ft-lb; KTT30313A Turquoise: 22 mm, 140 ft-lb; KTT30899A Light Green: 24 mm, 140 ft-lb
- Packaged in a convenient molded plastic carrying case
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30322A** Set

**Includes:**

**KTT30304A** 17 mm, 55 ft-lb, Green

**KTT30305A** 17 mm, 80 ft-lb, Red

**KTT30306A** 19 mm, 65 ft-lb, Yellow

**KTT30307A** 19 mm, 80 ft-lb, Blue

**KTT30308A** 19 mm, 100 ft-lb, Gray

**KTT30310A** 21 mm, 80 ft-lb, Light Brown

**KTT30311A** 21 mm, 100 ft-lb, Brown

**KTT30312A** 22 mm, 120 ft-lb, White

**KTT30313A** 22 mm, 140 ft-lb, Turquoise

**KTT30899A** 24 mm, 140 ft-lb, Light Green



**KTT30334A**

### 1/2" Drive 6-Point 17 mm Torque Socket, 113 ft-lb, Light Yellow

- 1/2" drive torque limiting socket
- 6-point
- 17 mm 113 ft-lb
- 155 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30334A** 17 mm, 113 ft-lb, Light Yellow



**KTT30340A**

### 1/2" Drive 6-Point 14 mm Torque Socket, 80 ft-lb, Mud

- 1/2" drive torque limiting socket
- 6-point
- 14 mm 80 ft-lb
- 110 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30340A**



**KTT30342A**

### 1/2" Drive 6-Point 19 mm Torque Socket, 90 ft-lb, Light Tan

- 1/2" drive torque limiting socket
- 6-point
- 19 mm (3/4") 90 ft-lb
- 122 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30342A**



**KTT30899A**

### 1/2" Drive 6-Point 24 mm Torque Socket, 140 ft-lb, Light Green

- 1/2" drive torque limiting socket
- 6-point
- 24 mm 140 ft-lb
- 190 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30899A** 24 mm, 140 ft-lb, Light Green





## Torque Sockets/Sticks



**KTT30908A**

### 1" Drive 6-Point 1-1/4" Torque Socket, 250 ft-lb, Red

- 1" drive torque limiting socket
- 6-point
- 1-1/4" 250 ft-lb
- 340 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30908A** 1-1/4", 250 ft-lb, Red

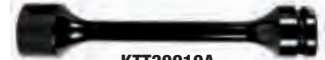


**KTT30909A**

### 1" Drive 6-Point 33 mm Torque Socket, 475 ft-lb, Brown

- 1" drive torque limiting socket
- 6-point
- Heavy duty hex 33 mm 475 ft-lb
- 650 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30909A** 33 mm, 475 ft-lb, Brown



**KTT30910A**

### 1" Drive 6-Point 1-1/2" Torque Socket, 472 ft-lb, Black

- 1" drive torque limiting socket
- 6-point
- Hex 1-1/2" 475 ft-lb
- 650 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30910A** 1-1/2", 472 ft-lb, Black



**KTT30911A**

### 1" Drive 6-Point 13/16" Torque Socket, 475 ft-lb, Yellow

- 1" drive torque limiting socket
- 6-point
- 13/16" Sq 475 ft-lb
- 650 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30911A** 13/16", 475 ft-lb, Yellow



**KTT30912**

### 1/2" Drive 6-Point 19 mm Torque Socket, 110 ft-lb, Purple

- 1/2" drive torque limiting socket
- 6-point
- 19 mm Deep 110 ft-lb
- 150 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30912**



**KTT30918A**

### 3/4" Drive 6-Point 1-1/4" Torque Socket, 250 ft-lb, HD Red

- 3/4" drive torque limiting socket
- 6-point
- 1-1/4" 250 ft-lb
- 340 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30918A**



**KTT30919A**

### 3/4" Drive 6-Point 33 mm Torque Socket, 475 ft-lb, Brown

- 3/4" drive torque limiting socket
- 6-point
- Hex 33 mm 475 ft-lb
- 650 Nm
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30919A**

### 4 pc 1" Drive Torque Set

- 4 Piece 1" drive heavy duty torque set
- 6-point
- Set includes: KTT30908A Red: 1-1/4" 1" drive Hex 250 ft-lb; KTT30909A Brown: 33 mm 1" drive Hex 475 ft-lb; KTT30910A Black: 1-1/2" 1" drive Hex 475 ft-lb; KTT30911A Yellow: 13/16" 1" drive Square 475 ft-lb
- Packaged in a convenient molded plastic carrying case
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30940 Set**

**Includes:**

**KTT30908A** 1-1/4", 250 ft-lb, Red  
**KTT30909A** 33 mm, 475 ft-lb, Brown  
**KTT30910A** 1-1/2", 472 ft-lb, Black  
**KTT30911A** 13/16", 475 ft-lb, Yellow



**KTT30940**

### 5 pc 1/2" Drive Torque Set

- 5 Piece 1/2" drive torque set
- 6-point
- Set includes: KTT30308A Gray: 19 mm 1/2" drive 100 ft-lb; KTT30310A Light Brown: 21 mm 1/2" drive 80 ft-lb; KTT30312A White: 22 mm 1/2" drive 120 ft-lb; KTT30313A Turquoise: 22 mm 1/2" drive 140 ft-lb; KTT30328A Charcoal: 21 mm 1/2" drive 147 ft-lb
- Packaged in a convenient molded plastic carrying case
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30950 Set**

**Includes:**

**KTT30308A** 19 mm, 100 ft-lb, Gray  
**KTT30310A** 21 mm, 80 ft-lb, Light Brown  
**KTT30312A** 22 mm, 120 ft-lb, White



**KTT30950**

**KTT30313A** 22 mm, 140 ft-lb, Turquoise  
**KTT30328A** 21 mm, 147 ft-lb, Charcoal

### 6 pc 1/2" Drive Torque Set

- 6 Piece 1/2" drive torque set
- 6-point
- Set includes: KTT30304A Green: 17 mm 1/2" drive 55 ft-lb; KTT30305A Red: 17 mm 1/2" drive 80 ft-lb; KTT30306A Yellow: 19 mm 1/2" drive 65 ft-lb; KTT30329A Off-White: 17 mm 1/2" drive 90 ft-lb; KTT30334A Light Yellow: 17 mm 1/2" drive 113 ft-lb; KTT30336A Orange: 22 mm 1/2" drive 75 ft-lb
- Packaged in a convenient molded plastic carrying case
- CA residents see page 365 for Proposition 65 warning. ⚠

**KTT30960 Set**

**Includes:**

**KTT30304A** 17 mm, 55 ft-lb, Green  
**KTT30305A** 17 mm, 80 ft-lb, Red  
**KTT30306A** 19 mm, 65 ft-lb, Yellow



**KTT30960**

**KTT30329A** 17 mm, 90 ft-lb, Off-White  
**KTT30334A** 17 mm, 113 ft-lb, Light Yellow  
**KTT30336A** 22 mm, 75 ft-lb, Orange

# Tire and Wheel

## Truck Torque Extensions

### 3/4" Drive Torque Extensions

- Tighten wheel nuts to the correct torque, the first time, every time on large trucks with your lug nut sockets

**KCT1600M** 475 ft-lb

**KCT1600N** 250 ft-lb



**KCT1600M**



**KCT1600N**

### 1" Drive Torque Extensions

- Tighten wheel nuts to the correct torque, the first time, every time on large trucks with your lug nut sockets

**KCT1600P** 475 ft-lb

**KCT1600Y** 550 ft-lb



**KCT1600P**



**KCT1600Y**



## Tubeless Tire Irons



**KNN34645**



**KNN34647**



### Tubeless Tire Iron T45A® Style

- For use in mounting/demounting standard truck tires
- Patented 1 pc manufacturing process and design assures long life and superior performance
- Heat-treated for strength
- New rounded tip ends insert easily and will not cut or rip bead or sidewall
- Demount end: forged design will not slip when demounting the second bead
- Use in pairs

**KNN34645**

### Heavy Duty Tubeless Truck Tire Mount/Demount Iron T45HD

- For use on wide-base super singles
- Use on truck, agricultural and industrial tires
- Patented 1 pc manufacturing process and design assures long life and superior performance
- Heat-treated for strength

**KNN34647**

## Valve Tool



### Fast and Easy Tire Valve Tool

- Attaches directly to drill with 1/4 hex shank or can be used by hand
- 4 in-lb clutch to prevent over tightening
- Fits most standard size tire valves
- Hex end to fit with 1/4" drive

**THX819**



**THX819**

## Wheel Hangers

### Wheel Hanger Stud Set

- Wheel hanger guides slide into wheel lug nut holes without using threads, aiding technicians during wheel mounting
- Saves time – no threads, no turning wheel guide to install and remove
- Works on Mercedes®, Audi®, BMW®, MINI-Cooper®, SAAB® and Volvo® vehicles
- Wheel hanger guides support so wheel/tire technician can easily thread lug nut bolts into brake rotor
- Must have for removing wheels
- Helps prevent scratches on expensive wheels



**KCT465**

- Made of durable bulletproof polycarbonate plastic
- Each kit includes one 12 mm and one 14 mm

**KCT465**

**KCT465-12** 12 mm Stud (Red Handle)

**KCT465-14** 14 mm Wheel Stud (Black Handle)



## Wheel Protectors

### 3 pc Wheel Protector Impact Socket Set

- Thin wall socket design for access in confined spaces
- High-strength reinforcing ring increases durability, delivering up to three times longer life than regular thin wall sockets

- Manganese phosphate coating has up to 2x the life of black oxide coatings
- Protective outer sheath prevents damage to expensive wheels and lug nuts
- Insert also protects lug nuts and bolts from damage
- Colored outer sheath for easy size identification

**KDT84946**

**KDT84946**



## Wheel Weight Tools

### Wheel Weight Hammer

**KCT845-5** Hammer Nylon End Cap

**KCT845-5A** Hammer Aluminum End Cap

**KCT845-6** Wheel Weight Pull Pin

**KCT845-9** Handle Weight Nylon End Cap



### Wheel Weight Tool

- Tool installs, removes, trims and tightens all types of clip-on wheel weights
- Features a special plastic-type material on the hammer head for safe, mar-free installation of specially coated wheel weights used on alloy wheels
- Tool has a plastisol-dipped handle for comfort

**KDT3358**

**KDT335804** Wheel Weight Replacement Plastic Cap



**KDT3358**

# Tool Storage/Tool Organization/ Drawer Organization

## Air Hose Holder

### Magnetic Air Hose Holder

- Holds 3/8–1/2" shop air hose
- Attaches to any metal surface close to work area
- No more air hoses on floor for car to run over
- No more searching and reaching for air hose
- Great aid for retractable air hoses

KCT-870



KCT-870



## Air Tool Holder

### Magnetic Locking Air Tool Holder

- Locks air tools in holder for easy access
- Reduces dirt, grime and contaminants while being stored
- Made of durable, impact- and chemical-resistant material
- Fits on most service carts and toolboxes; magnetic backing helps holder stay in place
- Easily operated with one hand
- Locking holders slide along rail for necessary spacing
- Individual holders may be added or removed

MTSLAAT4

MTSLAA Locking Air Tool Holder Replacement Clip



MTSLAAT4

## Drawer Guards



### Roll Cabs, KRL Series

- Revolutionary protection for your Snap-on® toolbox
- Snap guards are designed to protect your Snap-on® toolbox from scratching, and denting in the most susceptible area: the drawer handle
- Made from clear, high-quality, durable oil/gas-resistant plastic
- Snap guards cover the entire drawer handle, including the trim
- Each set is complete and installs easily in seconds
- Custom-made to fit Masters, Classic and Heritage Series toolboxes
- Designed, tested and manufactured in the USA

SFE1001A SFE7022  
SFE1003A SFE7023  
SFE1022 SFE761A  
SFE1023 SFEKTL1022  
SFE1033

### Snap Guards KRL end cabs

- Revolutionary protection for your Snap-on® tool box
- Snap guards are designed to protect your Snap-on® tool box from scratching, and denting in the most susceptible area: the drawer handle
- Made from clear, high-quality, durable oil/gas-resistant plastic
- Snap guards cover the entire drawer handle including the trim
- Each set is complete and installs easily in seconds
- Custom-made to fit Masters, Classic and Heritage series tool boxes
- Designed, tested and manufactured in the USA

SFE1011A

### Top Chests KRL Series, KRL 1201 and 1201A

- Revolutionary protection for your Snap-on® tool box
- Snap guards are designed to protect your Snap-on® tool box from scratching, and denting in the most susceptible area: the drawer handle
- Made from clear, high-quality, durable oil/gas-resistant plastic
- Snap guards cover the entire drawer handle including the trim
- Each set is complete and installs easily in seconds
- Custom-made to fit Masters, Classic and Heritage series tool boxes
- Designed, tested and manufactured in the USA

SFE1201A  
SFE1203A  
SFE791A

### Snap Guards KRA top chests

- Revolutionary protection for your Snap-on® toolbox
- Snap guards are designed to protect your Snap-on® toolbox from scratching, and denting in the most susceptible area: the drawer handle
- Made from clear, high-quality, durable oil/gas-resistant plastic
- Snap guards cover the entire drawer handle, including the trim
- Each set is complete and installs easily in seconds
- Custom-made to fit Masters, Classic and Heritage Series toolboxes
- Designed, tested and manufactured in the USA

SFE2404  
SFE4114

6 pc Clear Drawerguard KRSC326 343  
SFE326

### Roll Cab KRA Series

- Revolutionary protection for your Snap-on® toolbox
- Snap guards are designed to protect your Snap-on® toolbox from scratching, and denting in the most susceptible area: the drawer handle
- Made from clear, high-quality, durable oil/gas-resistant plastic
- Snap guards cover the entire drawer handle, including the trim
- Each set is complete and installs easily in seconds
- Custom-made to fit Masters, Classic and Heritage Series toolboxes
- Designed, tested and manufactured in the USA

SFE2411 SFE2423  
SFE2418 SFE4008  
SFE2422 SFE4107

### Snapguards for KRL, KTL, and KMP series

- Revolutionary protection for your Snap-on® toolbox
- Snap guards are designed to protect your Snap-on® toolbox from scratching, and denting in the most susceptible area: the drawer handle
- Made from clear, high-quality, durable oil/gas-resistant plastic
- Snap guards cover the entire drawer handle, including the trim
- Each set is complete and installs easily in seconds
- Custom-made to fit Masters, Classic and Heritage Series toolboxes
- Designed, tested and manufactured in the USA

SFELONGKRL For top extra wide drawer

SFEMEDKRL For middle drawers

SFESHORTKRL For narrow bank drawers



# Tool Storage/Tool Organization/ Drawer Organization

## Heavy-Duty Utility Carts



### 3-Tray Heavy Duty Cart

- Multipurpose utility cart ideal for use as a shop or auto detailing cart; makes transport of tools and parts fast and easy
- Shelves and legs constructed with an injection-molded thermoplastic resin, which will not stain, scratch, dent or rust
- Includes three 2-1/2" –deep tub shelves; ergonomic handled molded into top shelf
- 35-1/4" W x 18" D x 37-1/4" H (width includes handle); 10-1/2" clearance between shelves for easy access
- Four 5" full-swivel casters, two with locking brakes
- Maximum weight capacity: 500 lb
- Assembly required

**LUXE111HD**



**LUXE111HD**

### Tub Cart with Two Shelves

- Multipurpose utility cart ideal for storing or transporting loads
- Shelves and legs are constructed with an injection-molded thermoplastic resin, which will not stain, scratch, dent or rust
- Measures 35-1/4" W x 18" D x 35-1/4" H (width includes handle); 22-1/2" with a clearance between shelves for easy access
- Includes two 2-1/2" deep tub shelves
- Ergonomic push handle molded into top shelf
- Rolling cart with four 5" full swivel casters, two with locking brake
- Maximum weight capacity: 500 lb (evenly distributed)
- Assembly required

**LUXE11HD**



**LUXE11HD**

### 18" x 34" Cart with Semi Pneumatic Casters

- 18 x 34" Cart with Semi-Pneumatic Casters
- Durable option for holding and transporting a wide variety of items and tools
- 5" semi-pneumatic casters are puncture resistant, and provide shock absorption and quiet operation
- Ideal for all types of terrain
- Shelves and legs are constructed with an injection-molded thermoplastic resin
- 2-1/2" –deep tub shelves
- Ergonomic push handle molded into top shelf
- Four 5" zinc-plated casters, two stationary and two swiveling with locking brakes
- Maximum weight capacity: 400 lb (evenly distributed)

**LUXEC11SP5**



**LUXEC11SP5**

### Mechanics Three-Shelf Cart

- Each shelf features two dividers for easily separating items and two cup holders
- Cable-wrap for easy management of extension cords and cables at the center of each shelf
- High-quality 4" casters, two with locking brakes
- Weight capacity: 44 lb per shelf
- Shelf clearance: 11" between shelves
- Inside tray dimensions: 18.38" L x 10.86" W x 2.75" D
- Overall dimensions: 22-3/4" W x 18" D x 32" H
- Divider spacing: 5.13" from side of tray, 8-1/2" apart
- Leg material: aluminum
- Shelf material: polyamide

**LUXMC-3**



**LUXMC-3**

### Two Shelf Cart

- Two-tub-shelf utility cart
- 4" casters, two with locking brakes
- 24" W x 18" D x 37-1/2" H
- 2-3/4" –deep tubs
- Shelf clearance: 26"
- Black
- Weight: 23 lb

**LUXSTC11**



**LUXSTC11**

### Heavy Duty Utility Cart

- Three-tub shelf
- 4" casters, two with locking brakes
- 24" W x 18" D x 36-1/2" H
- 2-3/4" –deep tubs
- Shelf clearance: 11-3/4"
- Black
- Weight: 32 lb

**LUXSTC111**



**LUXSTC111**

### Lightweight and Mobile Utility Cart with Two Shelf Storage

- Lightweight and Mobile Utility Cart with Two-Shelf Storage
- Easy-roll utility cart with maximum storage potential
- Flat worktable top with middle and bottom tub shelves
- Easy-roll 4" casters, two with locking brakes
- Dimensions: 24" W x 18" D x 36-1/2" H
- 300 lb load capacity
- 12" shelf clearance; 29 lb
- Lightweight and easy-to-clean thermoplastic shelf composition

**LUXSTC211**



**LUXSTC211**

### Two Shelf Cart

- Two-tub-shelf utility cart
- 4" casters, two with locking brakes
- 32" W x 24" D x 37-1/4" H
- 2-3/4" –deep tubs
- Shelf clearance: 24-3/4"
- Black
- Weight: 45 lb

**LUXTC11**



**LUXTC11**

### Utility Cart

- Made of high-density, polyethylene structural foam-molded plastic shelves
- Four (4) Heavy-duty 4" casters, two with brake
- Push handle molded into top shelf
- Easy and quiet rolling
- Easy assembly
- Will not crack, dent, rust, scratch or discolor
- 2-3/4" –deep tub shelves
- 32" W x 24" D x 38" H

**LUXTC111**



**LUXTC111**

### Tub Cart with Two Shelves

- Sturdy utility cart made of high-density polyethylene (HDPE)
- Built to smoothly transfer loads weighing up to 500 lbs
- Ergonomically molded handle with a cup holder and divider for holding small items
- Made from 100% recycled plastic
- Made in USA
- 2-1/2" deep-lidded shelves keep items secure
- Legs are constructed as corner pieces rather than hollow legs, creating maximum shelf space
- 5" heavy-duty semi pneumatic casters
- Overall dimensions: 24-1/2" W x 45-1/2" L x 33" H
- Shelves: 2-1/2" D x 37" L x 24-1/2" W
- Legs: 22" of space between top and bottom shelves

**LUXXLC11**



**LUXXLC11**



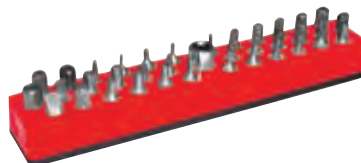
# Tool Storage/Tool Organization/ Drawer Organization

## Magnetic Hex Bit Holders (1/4" drive)

### 1/4" Drive Hex Bit Organizer

- Holds 37 pc of your favorite 1/4" hex bits
- Quick bit changes when used with electric drill or screw gun
- Tools shown not included

**MTS580** Neon Blue  
**MTS585** Neon Green  
**MTS587** Rocket Red



**MTS587**

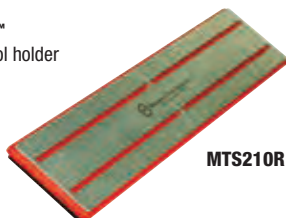


## Magnetic Wrench Holders

### Magna-Stik™

- 2 x 10" tool holder

**MTS210R**



**MTS210R**

### Wrench Holder

- 10 pc wrench organizer accommodates 3/8–15/16" SAE and/or 10–19 mm metric
- Anodized, aerospace aluminum base
- Low-profile base 3/16" H x 1" W
- Back side is magnetized to eliminate toolbox slide
- Will hold fully loaded socket rails in any position
- Tools shown not included

**MTS680** Neon Blue

**MTS683** Neon Yellow

**MTS685** Neon Green

**MTS686** Dark Green

**MTS687** Rocket Red



**MTS680**



### 15 pc Reversible Magnetic Black Wrench Rack

- Tools shown not included

**PEN3011** 15 pc Magnetic Black Wrench Rack (descending)

**PEN4011** Black (ascending – shown)

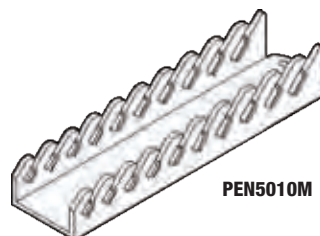


**PEN4011**

### Wrench Racks

**PEN5010M** Magnetic Back, 10 Slot, Black

**PEN5070M** Magnetic Back, 7 Slot, Black



**PEN5010M**

## Magnetic Wristband

### Super WristMag

- Super strong with six neodymium magnets
- Rated to hold 6 lb of steel parts
- Revolutionary new product
- Saves time by keeping steel parts close at hand
- Ends the frustration of losing loose nuts and bolts
- Magnets also hold tools
- Tools shown not included

**EZRWM396**



**EZRWM396**



## Magnets

### Super Magnetic Discs

- Made of neodymium, the most powerful magnet material in the world
- Use for projects that require extreme strength in a small size
- Neodymium magnets have a high-resistance to demagnetization

**MMG07046** 0.47" Dia. x 0.11" Thick (6 pk)

**MMG07047** 0.7" Dia. x 0.11" Thick (3 pk)



**MMG07046**



## Magnets



**MMG07217**

### Pot Magnets

- Powerful, low-profile ceramic magnets with an attachment hole in center
- Attach a hook or knob to position, or hold inspection equipment, indicator gauges, lamps, signs, antennas and more
- Magnetic on one side

**MMG07217** 25 lb Pull, Rubber Cover: MMGRC-RB50X4

**MMG07222** 65 lb Pull, Rubber Cover: MMGRC-RB70X4

**MMG07223** 95 lb Pull, Rubber Cover: MMGRC-RB80X4



**MMG07273**

### Red Hold Everything Magnet

- Powerful, versatile and colorful
- Holds invoices, job tickets and notes on ferrous metal surfaces
- Keeps paper clips, nails, pins and screws in reach
- Measures 1/2" D x 1" W x 2" L

**MMG07273**



**MMG07501**

### Ergonomic Handle Magnet

- Retrieves and moves metal shelves, sheeting and pipes
- Lifts up to 100 lb
- Durable red plastic shell with easy-grip rubber handle
- Includes two shields to allow easy storage in a toolbox without attracting other tools

**MMG07501**



# Tool Storage/Tool Organization/ Drawer Organization

## Magnets



**MMG07577**

### Magnetic Mount Knife and Tool Holder

- Organizes tools, knives and utensils in shop or kitchen
- Magnets on front and back so bar attracts to metal surface for mounting
- 30 lb pull per inch
- Black
- Measures 12" W x 1.5" H x 1" D

**MMG07577**



**MMG07587**

### Magnetic Carabiner Hook

- Super-strong neodymium magnet assembly with easy-clip carabiner hook
- 45 lb pull
- Use to hang a tool belt or other heavy items to metal walls, beams and cabinets
- Powerful hook works well in jobber vans, workshops, auto repair and service stations, or even in a warehouse
- 1.125" dia.

**MMG07587**

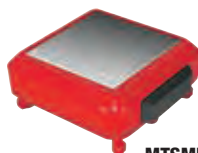


**MMGMHH25HOOK**

### Reversible Magnetic Hook

- Use to hang lights, wiring, tools, banners or decorations from any ferrous metal surface
- Loosen the bolt and flip the hook for versatility in hanging directions
- Powerful ceramic magnet; 25 lb pull
- Measures 2.25" dia.; blue base with chrome hook

**MMGMHH25HOOK**



**MTSMP223PK**

### 3 pk Magna-Peg®

- Simple way to organize hand tools and accessories placed on pegboard
- Compact 2" x 2" unit contains high powered permanent magnets behind a smooth surface to hold most any steel hand tool
- Unique design securely grabs the pegboard, allowing installation in less than five seconds
- Portable and strong

**MTSMP223PK**



**MMG07580**

### Pot Magnets with Swivel Hook

- Industrial strength; swivels 360° and swings 180°
- Holds and stores cables, tools and wires
- Powerful neodymium magnet

**MMG07580 65 lb Pull**



**MMGMH07548BX**

### Magnetic Swivel Hook

- Chrome neodymium magnet
- 1.5" dia. x 3" high x .5" thick
- Holds up the 60 lb
- Rotates 360°

**MMGMH07548BX**



**MMGRB50EBNEO**

### Pot Magnets with Attached Eyebolt

- Hang coats, suits or signs
- Powerful neodymium magnet
- 90 lb of pull

**MMGRB50EBNEO**



**MMGRE80EB**

### Round Base Magnet with Eyebolt

- Holds up to 95 lb
- Nickel-chrome plated
- 3.2" dia.

**MMGRE80EB**

### Magnetic Cup Caddy

- Keeps beverage at hand
- Powerful magnet attracts to ferrous metal toolbox, cabinet or stationary vehicle
- Holds insulated mug, hot or cold container, aluminum can or fountain cup up to 3.25" dia. at base
- Measures 4.625" tall and 3.5" dia.; black
- Rubber backing prevents surface scratches

**MMG07583**



**MMG07583**



**MMGMH07589BX**

### Magnetic Base with Swing Hook

- Neodymium magnet assembly
- 1.125" dia. chrome plated base
- Holds up to 40 lb
- Hook swings 180°

**MMGMH07589BX**



**TNP41011TP**

### Magnetic Finger® Holder

- Features a powerful magnet in the tip that allows the user to hold and retrieve any small ferrous object with precise control
- Ideal for tight-fitting and difficult-to-reach places
- Large/X-large, 3-1/4" x 1-3/8"
- Statistical holding force 1.7 lb

**TNP41011TP**

**TNP41011TPE (6 pk)**

**TNP41011TPI Industrial with Wristband Anchoring Strap**



**TNP41011TPFA**

### Frontal Assault Magnetic Finger® Holder

- Magnetic Finger® places the nut or screw directly out on the tip of the finger
- Developed to complement original version of Magnetic Finger®
- Allows the user to hold the small ferrous metal object directly "out front" on the tip of the user's finger
- When the application merits, the metal object can be pointed or moved directly forward into a tight space

**TNP41011TPFA**

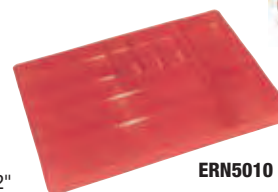
# Tool Storage/Tool Organization/ Drawer Organization

## Parts Trays

### Stackable Trays

- Fuel and solvent resistant tray organizers
- Available in two convenient sizes
- Will fit shallow drawers in standard toolboxes
- Trays are stackable
- Available in red and black
- Great for projects that require several tools or small parts

**ERN5010** 10-Compartment Organizer Tray, Red 11" x 16"  
**ERN5011** 10-Compartment Organizer Tray, Black 11" x 16"  
**ERN5020** 3-Compartment Organizer Tray, Red 10-1/2" x 10-1/2"  
**ERN5021** 3-Compartment Organizer Tray, Black 10-1/2" x 10-1/2"



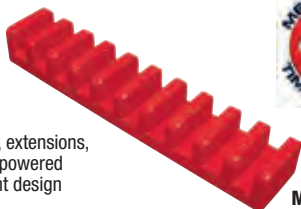
ERN5010



## Pliers Organizers

### Magnetic Pliers Holder

- Magnetically holds tools and magnetically attaches to most metal surfaces
- Holds up to 10 pliers, ratchets, extensions, etc. with the full force of high-powered magnets in a compact, efficient design



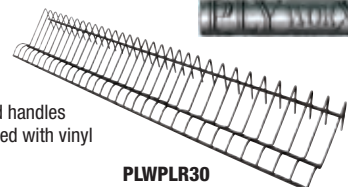
MTSMPH10R



### Pliers Organizers

- 30" L and holds 32 pliers in a drawer that is only 2-1/2" deep
- 10 extra-wide spaces for insulated handles
- Made of 3 mm steel wire and coated with vinyl

**PLWPLR30**



PLWPLR30



MTSMPH10R

## Ratchet and Extension Holders

### Ratchet and Extension Holders

- Securely hold a wide range of ratchets and extensions in the toolbox or on the go
- Essential item naturally pairs ratchets and extensions alongside your sockets
- 2 pc set; black

### Side Mount

- Mounts on back side of the socket rails to maximize storage

**ERN8351** 1/4"

**ERN8352** 3/8"

**ERN8353** 1/2"

### Face Mount

- Mounts on top side (face) of socket rails

**ERN8354** 1/4"

**ERN8355** 3/8"

**ERN8356** 1/2"



ERN8351



## Screwdriver Holders

### No-Slip Low Profile Screwdriver Rails

- High-grip rubberized material eliminates the need for expensive magnets
- Perfect fit for all drawers, even the most shallow
- Screwdrivers can be neatly lined up for easy identification of sizes and missing tools can easily be seen
- Holds 14 screwdrivers
- Comes with (2) 15-1/2" L rails for standard toolbox drawers
- Trims down easily for custom fit, if needed

**ERN6040**



ERN6040



KCT-860



### Magnetic Rechargeable Screwdriver Holder

- Conveniently store your rechargeable screwdrivers near work area at all times
- Securely mounts to any metal surface
- Holds up to two of any popular rechargeable screwdrivers
- Readily access your rechargeable screwdrivers at any time

KCT-860



MTSSDH15-R

### Magnetic Screwdriver Holder

- Holds up to 15 screwdrivers
- Magnetically attaches to most metal surfaces
- Tools shown not included

**MTSSDH15-B** Blue

**MTSSDH15-R** Red



## Socket Holders (magnetic, 1/2" drive)



DUSMR8B8C



### Magrail Magnetic Socket Rails

- Magnetic track with movable studs
- Strong neodymium magnets
- Anodized, aerospace aluminum base
- Low-profile base 3/16" H x 1" W
- Back side is magnetized to eliminate toolbox slide
- Will hold fully loaded socket rails in any position
- Tools shown not included

**DUSMR8B8C** 8" L, Blue, 8 Studs, 1/2" Drive  
**DUSMR12B12C** 12" L, Blue, 12 Studs, 1/2" Drive  
**DUSMR12R12C** 12" L, Red, 12 Studs, 1/2" Drive  
**DUSMR16B16C** 16" L, Blue, 16 Studs, 1/2" Drive  
**DUSMR16R16C** 16" L, Red, 16 Studs, 1/2" Drive  
**DUSMR-SC** Magrail 1/2" Stud Package, 10 pc



MTS1284

### 1/2" Drive Socket Organizer

- Store both shallow and deep sockets
- SAE and metric sizes
- Accommodates 3/8-7/8" SAE and/or 10-19 mm metric
- Tools shown not included

**MTS1281** Standard Red

**MTS1284** Solar Orange





# Tool Storage/Tool Organization/ Drawer Organization

## Socket Holders (magnetic, 1/2" drive)

### 1/2" Drive Organizer

- Holds up to 1-1/4" and up to 30 mm impact and chrome sockets
- SAE and metric sizes
- Tools shown not included

**MTS5014** Solar Orange

**MTS5017** Rocket Red



**MTS5017**

### 1/2" Drive Vertical Lock-A-Socket™ Socket Holder

- Lock-A-Socket™ technology
- Allows socket sizes to be viewed
- Aluminum frame with magnetic backing
- Holds up to 13 sockets, vertical or horizontal
- Posts are interchangeable for customizing
- Can lay flat in tools drawer, even with the tallest sockets
- Tools shown not included

**MTSVLAS50**



**MTSVLAS50**



## Socket Holders (magnetic, 1/4" drive)



**DUSMR8B14A**

### Magrail Magnetic Socket Rails

- Magnetic track with movable studs
- Strong neodymium magnets
- Anodized-aerospace aluminum base
- Low-profile base 3/16" H x 1" W
- Back side is magnetized, eliminating toolbox slide
- Will hold fully loaded socket rails in any position
- Tools shown not included

**DUSMR8B14A** 8" L, Blue, 14 Studs, 1/4" Drive

**DUSMR8R14A** 8" L, Red, 14 Studs, 1/4" Drive

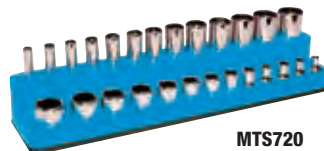
**DUSMR12B20A** 12" L, Blue, 20 Studs, 1/4" Drive

**DUSMR12R20A** 12" L, Red, 20 Studs, 1/4" Drive

**DUSMR16B25A** 16" L, Blue, 25 Studs, 1/4" Drive

**DUSMR16R25A** 16" L, Red, 25 Studs, 1/4" Drive

**DUSMR-SA** Magrail 1/4" Stud Package, 10 pc



**MTS720**



### Vertical Lock-A-Socket®, 1/4" Drive Socket Holder

- Lock-A-Socket® technology
- Allows socket sizes to be viewed
- Aluminum frame with magnetic backing
- Holds up to 18 sockets, vertical or horizontal
- Posts are interchangeable for customizing
- Can lay flat in tool drawer, even with the tallest sockets
- Tools shown not included



**MTSVLAS25**



**MTSVLAS25**

### 1/4" Drive Shallow/Deep Organizer

- Bi-level organizer allows you to store your 1/4" shallow and deep drive sockets into one space-saving unit
- Accommodates 1/4-9/16" SAE and/or 4-14 mm metric
- Tools shown not included

**MTS720** Neon Blue

**MTS727** Rocket Red

**MTS728** Black

## Socket Holders (magnetic, 3/8" drive)



**DUSMR8B10B**

### Magrail Magnetic Socket Rails

- Magnetic track with movable studs
- Strong neodymium magnets
- Anodized, aerospace aluminum base
- Low-profile base 3/16" H x 1" W
- Back side is magnetized to eliminate toolbox slide
- Will hold fully loaded socket rails in any position
- Tools shown not included

**DUSMR8B10B** 8" L, Blue, 10 Studs, 3/8" Drive

**DUSMR12B15B** 12" L, Blue, 15 Studs, 3/8" Drive

**DUSMR12R15B** 12" L, Red, 15 Studs, 3/8" Drive

**DUSMR16B20B** 16" L, Blue, 20 Studs, 3/8" Drive

**DUSMR16R20B** 16" L, Red, 20 Studs, 3/8" Drive

**DUSMR-SB** Magrail 3/8" Stud Package, 10 pc



**MTS1387**

### 3/8" Impact Socket Organizer, Rocket Red

- 12-hole design for semi-deep and deep chrome or impact sockets
- Accommodates 3/8-3/4" SAE
- Tools shown not included

**MTS1387** Rocket Red



**MTS711**



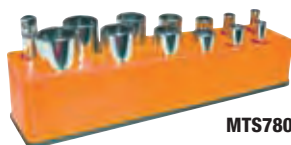
### 3/8" Impact Socket Organizer, Rocket Red

- Designed to hold a standard 11 pc SAE or metric set
- One additional hole for extensions or U-joints
- Accommodates 7/32-7/8" SAE and/or 5.5-22 mm metric
- Tools shown not included

**MTS711** Neon Blue

**MTS713** Rocket Red

**MTS719** Dark Green



**MTS780**

### 3/8" Drive Deep Organizer

- Hold a standard 12 pc set of either SAE or metric sizes
- One additional hole for extensions or U-joints
- Accommodates 7/32-7/8" SAE and/or 5.5-22 mm metric
- Tools shown not included

**MTS780** Solar Orange

**MTS784** Neon Blue



**MTSD3813**

### 3/8" Drive Deep Organizer

- Store SAE, metric, impact and chrome sockets
- Accommodates up to 24 mm impact and/or 1" standard chrome sockets
- Tools shown not included

**MTSD3810** Neon Blue

**MTSD3813** Neon Yellow

**MTSD3815** Neon Green

**MTSD3816** Dark Green

**MTSD3817** Rocket Red





# Tool Storage/Tool Organization/ Drawer Organization

## Socket Holders (magnetic, 3/8" drive)



MTSS3815



MTSUNV384



MTSVLAS38



### 3/8" Impact Socket Organizer

- 12 pc straight line 3/8" drive shallow organizer will store SAE, metric, impact and chrome sockets
- Accommodates up to 24 mm impact and/or 1" standard chrome sockets
- Tools shown not included

**MTSS3810** Neon Blue

**MTSS3813** Neon Yellow

**MTSS3815** Neon Green

**MTSS3816** Dark Green

**MTSS3817** Rocket Red

### 3/8" Drive Universal Socket Caddy

- 8 pc universal (swivel) socket set will also store tools with the same style drive end
- Accommodates 3/8–3/4" SAE and/or 10–19 mm metric
- Tools shown not included

**MTSUNV380** Neon Blue

**MTSUNV381** Standard Red

**MTSUNV384** Solar Orange

### Vertical Lock-A-Socket®, 3/8" Drive Socket Holder

- Lock-A-Socket® technology
- Allows socket sizes to be viewed
- Aluminum frame with magnetic backing
- Holds up to 13 sockets, vertical or horizontal
- Posts are interchangeable for customizing
- Can lay flat in tool drawer, even with the tallest sockets
- Tools shown not included

**MTSVLAS38**

## Socket Holders (non-magnetic)



ERN8400A

### TwistLock Socket Rail with End Stop

- Instantly recognize sockets
- Simple and secure; twist your sockets into a locked position
- 1/8" turn and tools are secured
- Locking end clips secure sockets on the rail
- Socket clips will adjust to any position on either side of the rail
- Easy to transport
- Available in 1/4, 3/8 and 1/2" drive sizes
- Hangs vertically for convenient storage
- 96 I.D. stickers included
- Tools shown not included

**ERN8400A** 18", 1/4"

**ERN8401A** 18", 3/8"

**ERN8402A** 18", 1/2"

**ERN8414** 13", 1/4"

**ERN8415** 13", 3/8"

**ERN8416** 13", 1/2"



ERN8430

### The Socket Boss Universal TwistLock Socket Tray

- For use with Ernst universal socket rails
- Push button release to remove any rail
- Unlimited configuration options
- Sockets are secure - even when turned upside down
- Sockets are loaded with the drive end down
- Instantly recognize sockets

**ERN8430** 3-Rail Socket

**ERN8431** 2-Rail Socket



ERN8440

### TwistLock Socket Clips

- Add, remove and insert clips on any portion of the socket rail and on either side to fit your custom set of tools
- Available in 1/4", 3/8" and 1/2" drive sizes
- 15 clips and 96 I.D. stickers are included with each set

**ERN8440** 1/4"

**ERN8441** 3/8"

**ERN8442** 1/2"

## Socket Rails and Organizers

### Magrail TL Organization System

- Organize sockets, wrenches, pliers and all steel tools
- Studs lock into place; hand tighten
- Makes tools easily portable
- Strongest magnets available
- Tools shown not included

**DUSMRTRAY14B** Blue, 15" Tray with Handle, 3 Each 14" Studs

**DUSMRTRAY14R** Red, 15" Tray with Handle, 3 Each 14" Studs



DUSMRTRAY14B



### Socket Rail Mounting Kit

- Provides massive socket storage for the toolbox or wall
- Securely holds up to four universal socket rails
- Will fit both 18" and 13" rail lengths
- Comes with a unique locking mechanism for secure socket storage
- 3 pc kit; grey

**ERN8350**

**ERN8350M** Magnetic



ERN8350

# Tool Storage/Tool Organization/ Drawer Organization

## Socket Rails and Organizers



### Socket Boss

- Push-button release to remove any rail
- Unlimited configuration options
- Sockets are secure, even when turned upside down
- Sockets are loaded with the drive end down
- Instantly recognize sockets
- I.D. stickers provided for labeling socket sizes
- Provides immediate recognition of socket sizes and missing tools

**ERN8450** 3-Rail Socket Tray – 1/4", 3/8", 1/2" Drive

**ERN8453** 2-Rail Socket Tray – 3/8" Drive

### Dura-Pro TWIST LOCK® Complete Socket System-Magnetic Kit Includes:

- (4) 18" socket organizers
- (1) 3 pc organizer mounting kit
- (384) socket I.D. Stickers
- (15) 1/4" socket clips
- (30) 3/8" socket clips
- (15) 1/2" socket clips
- (2) Each 1/4", 3/8" and 1/2" face mount ratchet and extension holders
- (2) Each 1/4", 3/8" and 1/2" side mount ratchet and extension holders

**ERN8470**



### Lock-A-Socket™ Socket Rail

- Righty-tighty, lefty-loosey
- Magnetic backing securely attaches to toolboxes and drawers
- Fits all major brands of sockets
- Tools shown not included

**MTSLAS25** 1/4" Drive, Red Rail

**MTSLAS25BK** 1/4" Drive, Black Rail

**MTSLAS25LP25** 1/4" Drive, Individual Posts (25 pk)

**MTSLAS38** 3/8" Drive, Red Rail

**MTSLAS38BK** 3/8" Drive, Black Rail

**MTSLAS38LP25** 3/8" Drive, Individual Posts (25 pk)

**MTSLAS38R10** 10 pc Lock-A-Socket™, 3/8" Drive, 14" L

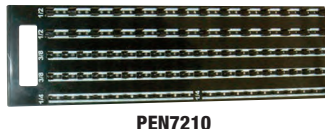
**MTSLAS50** 1/2" Drive, Red Rail

**MTSLAS50BK** 1/2" Drive, Black Rail

**MTSLAS50LP25** 1/2" Drive, Individual Posts (25 pk)

**MTSLAS50R10** 10 pc Lock-A-Socket™, 1/2" Drive, 14" L

### Socket Organizer PEN7210 Black



**PEN7210**

### Socket Organizer Plus PEN7211 Black



**PEN7211**

## Tool Organizer



### Adjustable Spring Tool Holder

- Holds a variety of tools: screwdrivers, wrenches, ratchets, pliers, etc.
- Adjustable from 12-1/2" up to 18"
- Made of durable, impact- and chemical-resistant material
- 12-1/2" L x 1-3/4" W x 1-1/4" H

**MTSATH1216R**



## Wrench Rails



### No-Slip Low Profile Wrench Rails

No-Slip Low-Profile Wrench Rails

- Holds 30 wrenches
- Rubberized no-slip rails; won't slip in the drawer
- Fits in all drawers, even the most shallow
- Graduated design accommodates a wide range of wrench sizes from 1/4–1-1/4" SAE and 7–32 mm metric
- Comes with two forward and two reverse configuration rails

**ERN6050**

## Training Manuals



### Motor Age® Training Manuals

- Helps technician become ASE certified
- Greater than 90% historical success rate of Motor Age® ASE customers
- Improves technicians' skills and knowledge

#### ADVASEA1 Engine Repair

#### ADVASEA2 Auto Transmissions

#### ADVASEA3 Manual Transmissions

#### ADVASEA4 Steering and Suspension

#### ADVASEA5 Brakes

#### ADVASEA6 Electric

#### ADVASEA7 Heating and A/C

#### ADVASEA8 Engine Performance

#### ADVASEA9 Light Vehicle Diesel Engines

#### ADVASEA9ETA Car/Light Truck (9 pc set)

#### ADVASEB2 Paint and Refinish

#### ADVASEB3 Non-Structure and Damage

#### ADVASEB4 Structure and Damage

#### ADVASEB5 Mechanical and Electrical

#### ADVASEB6 Damage Analysis and Estimate

#### ADVASEBB Collision and Paint (5 pc set)

#### ADVASEC1 Auto Service Consultant

#### ADVASEE2 Electrical Systems Installation/Repair

- ASE certified technicians have greater earnings potential, enhanced professional image, increased on-the-job responsibility and greater recognition from peers

#### ADVASEF1 Alternative Fuel

#### ADVASEG1 G1 Auto Maintenance Light Repair

#### ADVASEL1 Auto/Light Truck Advanced Engine Performance

#### ADVASEL2 Medium/Heavy Vehicle Electric Diesel

#### ADVASEP1 Medium/Heavy Truck Dealership

#### ADVASEP2 Auto Parts Specialist

#### ADVASEP4 General Motors Parts Consultant

#### ADVASET1 Gas Engines

#### ADVASET2 Diesel Engines

#### ADVASET3 Drive Train

#### ADVASET4 Brakes

#### ADVASET5 Suspension and Steering

#### ADVASET6 Electrical

#### ADVASET7 Heat/Vent and A/C

#### ADVASET8 Preventative Maintenance and Inspection

#### ADVASETT Medium Truck (8 pc set)

#### ADVASEX1 Exhaust Systems



ADVASEA1



ADVASEAADVD



### A Series DVD/Book Set – Car and Light Truck

#### Also Available:

ADVASEA1DVS, ADVASEA2DVS, ADVASEA3DVS, ADVASEA4DVS, ADVASEA5DVS, ADVASEA6DVS, ADVASEA7DVS, ADVASEA8DVS, ADVASEA9DVS

#### ADVASEAADVD A Series Nine Title DVD/Book Set

#### ADVASEA1DVS Engine Repair

#### ADVASEA2DVS Auto Transmission

#### ADVASEA3DVS Manual Transmission

#### ADVASEA4DVS Steer and Suspension

#### ADVASEA5DVS Brakes

#### ADVASEA6DVS Electrical

#### ADVASEA7DVS Heating A/C

#### ADVASEA8DVS Engine Performance

#### ADVASEA9DVS Light Vehicle Diesel Engines



# Training Manuals

## Training Manuals



### Auto Service Consultant Book/DVD

- Extensive customer and internal communications
- Sales skills and shop operation information
- Detailed product knowledge information, including engine, drivetrain, chassis and body systems, as well as service/maintenance intervals, warranty, service contract, campaigns/recalls and vehicle identification information

**ADVASEC1DVS**



### Maintenance Repair Book/DVD

- Examines engine systems, automatic transmissions and transaxles, manual drivetrains and axles, suspension and steering repair, brakes, electrical systems, and heating and A/C

**ADVASEG1DVS**



### Auto Parts Specialist Book/DVD

- Extensive parts store operations
- Customer relations and sales skills
- Vehicle identification, cataloging skills, inventory management and merchandising information
- Extensive vehicle systems information, including engine mechanical, cooling, fuel, ignition, exhaust, emissions control, manual and automatic transmission/transaxle, drivetrain, brakes, suspension and steering, heating and A/C, electrical and battery, starting and charging systems

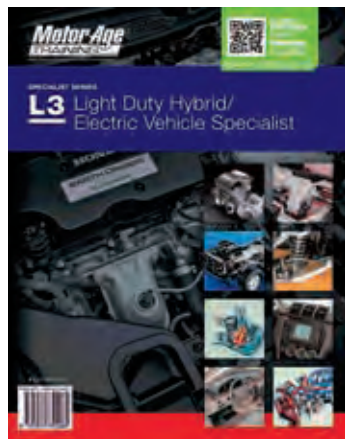
**ADVASEP2DVS**



### L3 Light Duty Hybrid/Electrical Vehicle Specialist

- Hybrid safety/hybrid designs
- Testing HV wiring integrity
- Scan tool diagnostics
- HV battery system services and repair
- ICE (Internal Combustion Engine) service and repair
- Hybrid drive system service and repair
- Power electronics service and repair
- Hybrid support system service and repair

**ADVASEL3**

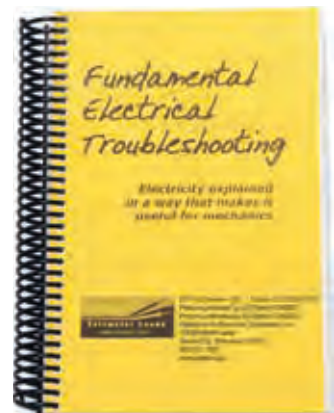


**ADVASEL3**

### Fundamental Electrical Troubleshooting

- Complete 200-page guide to every aspect of electrical troubleshooting explained in a way that makes it useful in the shop
- Written by a mechanic for real-world, hands-on testing
- Voltage drop explained—corrosion causes
- Batteries/testing explained—relays, potentiometers, resistors and solenoids
- Voltmeters explained—finding shorts to ground
- Battery draws explained
- How to read schematics
- Applies to automotive, heavy-duty, equipment, machinery and marine

**ESI182**



**ESI182**

### High Voltage Vehicle Safety Procedure Guide (2nd Edition)

- Contains safe approach, identification, immobilize and disable procedures
- Covers 49 new models car (43), truck (3), bus (3), and hybrids and electric plug-in vehicles
- Contains step-by-step high voltage/SRS shutdown procedures
- Displays 3D color vehicle images illustrating hybrid identification logos/emblem locations
- High voltage system component locations including high voltage battery pack service disconnect switch locations, high voltage cable routing, 12 V battery and fuse box locations
- Packed with information to ensure safety, including important towing and storage information

**HYZHEV2**

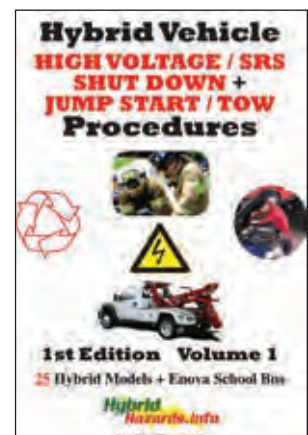


**HYZHEV2**

### Hybrid Vehicle Safety Procedures Manual

- Contains step-by-step high voltage/SRS shutdown procedures
- Quick hybrid vehicle identification designators
- Hidden 12 V battery and disconnect locations
- Fuse box locations, hidden trunk and shift lock releases
- High voltage and SRS deactivation times
- High voltage cable colors, cable routing
- All high voltage disconnect switch locations, plus 3D full-color vehicle images displaying high voltage system component locations

**HYZSG1**



**HYZSG1**



# Welding, Soldering and Heat Tools

## Accessories

### V-Series Accessories

Note: V-Series fits victor-style torches only. "V-Series" and "Harris®" are not interchangeable.

**HRC1502082** 0-3-101 Cutting Tip

**HRC1502083** 1-3-101 Cutting Tip

**HRC1502091** 1-1-101 Cutting Tip

**HRC1502092** 2-1-101 Cutting Tip

**HRC9000156** Tip Cleaner Victor Style



**HRC1502082**

### Gas Torch Tips & Accessories, J-63-1 Heating Assembly

- CA residents see page 365 for Proposition 65 warning. ⚠

**HRC1502171** 6290-OAC Cutting Tip

**HRC1502173** 6290-2AC Cutting Tip

**HRC1800710** J-63-1 Heating Assembly

**HRC9004486** Striker with Flint



**HRC9004486**

**Note: The Following Accessories Fit Harris-Style Torches Only**

PART NUMBER	ACCESSORY	WE200A	WE250A	HRC4403235	HRC4403211
<b>HRC1300340</b>	73-3 Cut Attachment			Std.	
<b>HRC1401150</b>	43-2 Weld Handle			Std.	
<b>HRC1502171</b>	6290-OAC Cutting Tip	Opt.	Opt.	Opt.	Opt.
<b>HRC1502172</b>	6290-1AC Cutting Tip	Std.	Std.	Std.	Std.
<b>HRC1502173</b>	6290-2AC Cutting Tip	Opt.	Opt.	Opt.	Opt.
<b>HRC1800710</b>	J-63-1 Heating Assembly	Opt.	Opt.	Opt.	
<b>HRC4300499</b>	3/16 x 20 Twin Hose	Std.	Std.		
<b>HRC4302202</b>	88-5FBT R and L Pair of Torch Flashback Arrestors	Opt.	Opt.	Opt.	Opt.
<b>HRC4304582</b>	Cover Goggle	Std.	Std.	Std.	Std.
<b>HRC9000160</b>	E-9 Tip Cleaner (2pc Tip)	Opt.	Opt.	Opt.	Opt.
<b>HRC9004484</b>	Replacement Flints	Opt.	Opt.	Opt.	Opt.
<b>HRC9004486</b>	Striker with Flint	Std.	Std.	Std.	Std.

Std. = Standard

Opt. = Optional

## Gas Torches

### Port-A-Torch®

- Contains all equipment needed for cutting, welding and brazing
- Extremely portable and packaged in a canvas tool bag with compartments
- Weighs 37 lb (empty)
- Set up for cutting to 1" and welding to 1/16"
- Cuts up to 4" and welds to 1/2" with optional tips and larger cylinders

**Includes:** (1) 10 cu ft acetylene cylinder (1) 20 cu ft oxygen cylinder (both shipped empty)

**HRC4403211**



**HRC4403211**

### Pipeliners®

- Heavy-duty welding/cutting outfit
- Capable of cutting up to 6" and welding up to 1" with optional tips
- Handle includes reverse-flow check valves
- Used in manufacturing, construction, shipbuilding, fabricating and automotive

**HRC4403235**



**HRC4403235**

### Master Propane Torch Head

- Heavy-duty, high intensity, handheld blow torch with push button ignition
- Can be used with propane fuel (flame burns at 3,600°) or MAPP gas (flame burns at 3,730°)
- Cast-aluminum housing built to last
- Ergonomic handle design
- Safety lock to help prevent accidental ignition
- Flame lock push button keeps flame active for continuous use
- Use with standard propane or MAPP gas cylinders on the market
- CA residents see page 365 for Proposition 65 warning. ⚠

**MASPT-2000SI**

**MASTER**  
HEAT TOOLS FOR INDUSTRY™



**MASPT-2000SI**

## Heating Element Kit

### Heating Element Kit

**Element Kit HG-502D-02 220V**

- Works with HG502A, HG-752A & VT-752C
- 1 piece of mica (it is not necessary to purchase additional mica for installation)

**MAS30084**

**MASTER**  
HEAT TOOLS FOR INDUSTRY™



**MAS30084**

# Welding, Soldering and Heat Tools

## Heat Gun Accessories



### Heating Element Kit

#### Element Kit HG-801D-01 120V

- 1 piece of mica (it is not necessary to purchase additional mica for installation)

**MAS30082**



**MAS30082**

### Heating Element Kit

#### Element Kit HG-501D VT-751D 120V

- Works with HG501A, HG-751B & VT-750C
- 1 piece of mica (it is not necessary to purchase additional mica for installation)

**MAS30083**



**MAS30083**

## Heat Guns



### Master® Heat Guns

- Professional, heavy-duty, industrial quality, multiple use heat gun
- 23 CFM air flow at 3,000 FPM gets the job done fast
- Powerful high-speed universal motor
- Sturdy die-cast housing
- Double-protected element housing
- Externally replaceable carbon brushes for longer motor life
- Adjustable non-slip stand

**MASA160HG** Shrink Attachment for Tubing up to 3/4" O.D. for Master® Heat Guns and Varitemp® Heat Guns

**MASA170HG** Shrink Attachment for Tubing up to 3/4–2" O.D. for Master® Heat Guns and Varitemp® Heat Guns

**MASNAS006** Nozzle Assembly with Screen for HG and VT Heat Guns



**MASA160HG**

### Ecoheat® Heat Gun Kit

**Includes:** Master's popular EC-100 Ecoheat® heat gun 500 °F and 1,000 °F, 7 CFM and 9 CFM; (4) specialized attachments: 7/8" reducer, 1" heat shrink 1-15/16" and 3/8" spreader attachments; rugged plastic storage and carrying case

**MASEC100K**



**MASEC100K**

### Master Heat Gun® 800F 120V

- Upgraded long-life universal motor delivers 2x PLUS run life
- High 27 CFM airflow gets tough jobs done faster
- New quick-change plug-in heating element with even airflow over element for maximum heating efficiency
- Optimized design for improved serviceability
- Redesigned ergonomic soft-grip handle maximizes user comfort
- Sturdy die-cast aluminum housing and non-slip, reinforced stand offers stable 90° adjustability
- Fixed air intake provides temperature consistency, improving process control
- Three-position (hot-cool-off) rocker switch
- Full selection of replacement part kits for easy serviceability

**MASHG301D**



**MASHG301D**

### Master Heat Gun® 1200F 120V

- Upgraded long-life universal motor delivers 2x PLUS run life
- High 27 CFM airflow gets tough jobs done faster
- New quick-change plug-in heating element with even airflow over element for maximum heating efficiency
- Optimized design for improved serviceability
- Redesigned ergonomic soft-grip handle maximizes user comfort
- Sturdy die-cast aluminum housing and non-slip, reinforced stand offers stable 90-degree adjust ability
- Fixed air intake provides temperature consistency, improving process control
- Three-position (hot-cool-off) rocker switch
- Full selection of replacement part kits for easy serviceability

**MASHG501D**



**MASHG501D**

### Master Heat Gun Kit 1200F 120V

- Master heat gun, with 3 attachments & case
- Upgraded long-life universal motor delivers 2x PLUS run life
- High 27 CFM airflow gets tough jobs done faster
- New quick-change plug-in heating element with even airflow over element for maximum heating efficiency
- Optimized design for improved serviceability
- Redesigned ergonomic soft-grip handle maximizes user comfort
- Sturdy die-cast aluminum housing and non-slip, reinforced stand offers stable 90-degree adjust ability
- Fixed air intake provides temperature consistency, improving process control
- Three-position (hot-cool-off) rocker switch
- Full selection of replacement part kits for easy serviceability

**MASHG501DK**



**MASHG501DK**

### Master Heat Gun 1200F 120V

- Upgraded long-life universal motor delivers 2x PLUS run life
- High 27 CFM airflow gets tough jobs done faster
- New quick-change plug-in heating element with even airflow over element for maximum heating efficiency
- Optimized design for improved serviceability
- Redesigned ergonomic soft-grip handle maximizes user comfort
- Sturdy die-cast aluminum housing and non-slip, reinforced stand offers stable 90-degree adjust ability
- Fixed air intake provides temperature consistency, improving process control
- Three-position (hot-cool-off) rocker switch
- Full selection of replacement part kits for easy serviceability

**MASHG502D2**



**MASHG502D2**

# Welding, Soldering and Heat Tools

## Heat Guns



### Master Heat Gun® 1400F 120V, 20 Amp Plug

- Upgraded long-life universal motor delivers 2x PLUS run life
- High 27 CFM airflow gets tough jobs done faster
- New quick-change plug-in heating element with even airflow over element for maximum heating efficiency
- Optimized design for improved serviceability
- Redesigned ergonomic soft-grip handle maximizes user comfort
- Sturdy die-cast aluminum housing and non-slip, reinforced stand offers stable 90-degree adjust ability
- Fixed air intake provides temperature consistency, improving process control
- Three-position (hot-cool-off) rocker switch
- Full selection of replacement part kits for easy serviceability



MASHG801D1

MASHG801D1

### Proheat® LCD Dial-In Heat Gun

- Compact, lightweight and easy-to-use with ergonomic handle for balanced grip
- LCD display of temperature and airflow settings
- Dial-in temperature adjustment in 10° increments from 130–1,000 °F, (50–540 °C) in your choice of degrees Fahrenheit or degrees Celsius
- Dial-in airflow from 4–16 CFM, (113–453 l/minute)
- Temperature and airflow lock-in feature provide added control of consistent application of heat
- Power-interrupt reset feature prevents an unattended heat gun from resuming heat after a power failure



MASP-1400K

**Kit Includes:** Proheat® LCD dial-in heat gun, 3-1/2" spreader attachment, 1-3/8" heat shrink attachment, specialty connector attachment, 9/16" and 5/16" reducer attachments and durable carrying/storage case

**MASP-1400K Kit**

**MASP-1400** Heat Gun Only

### Proheat® Quick-Touch PH-1000 Heat Gun

- Momentary contact safety switch operates only when the spring-loaded switch is being held by the operator
- 1,000 °F (540 °C)
- 16 CFM airflow at 4,000 FPM velocity

**MASPH-1000**



MASPH-1000

### Proheat® LDC Programmable Heat Gun

- Compact, lightweight and easy-to-use with ergonomic handle for balanced grip
- LCD of temperature and airflow settings
- Adjustable temperature in 10° increments from 130–1,000 °F, (50–540 °C) in with choice of degrees Fahrenheit or degrees Celsius
- Adjustable airflow from 4–16 CFM, (113–453 l/minute)
- Six preset and customizable program settings
- Power-interrupt reset feature prevents an unattended heat gun from resuming heat after a power failure



MASP-1500K

**Kit Includes:** Proheat® LCD programmable heat gun, 3-1/2" spreader attachment, 1-3/8" heat shrink attachment, specialty connector attachment, 9/16" and 5/16" reducer attachments and durable carrying/storage case

**MASP-1500K Kit**

**MASP-1500** Heat Gun Only

MASP-1600K



### Proheat® 1600 STC™ Heat Gun

- Surface temperature sensing and control heat gun with standard nozzle temperature control capability
- Dual mode features surface temperature sensing mode which can be turned off and switched to standard nozzle temperature control
- Built-in surface temperature sensor and LCD display; real time display of both target and surface temperatures; temperatures displayed in Fahrenheit or Celsius
- Dial-in variable temperature and airflow controls
- LTS™ (Laser Targeting System) provides accurate field of view and operating range
- Proloc™ supervisor locking feature prevents changing of temperature or airflow for repeatability
- STC™ (Automatic Surface Temperature Control) automatically regulates heater to maintain target surface temperature

**MASP-1600K** Proheat® 1600 STC™ Dual Mode Heat Gun with Storage/Carrying Case

**MASP-1600**



MASVT751DK



MASVT751D

### Varitemp® Heat Gun Kit 100-1200F 120V

- Varitemp® heat gun, with (3) attachments and case
- Upgraded long-life universal motor delivers 2x PLUS run life
- High 27 CFM airflow gets tough jobs done faster
- New quick-change plug-in heating element with even airflow over element for maximum heating efficiency
- Optimized design for improved serviceability
- Redesigned ergonomic soft-grip handle maximizes user comfort
- Sturdy die-cast aluminum housing and Non-slip, reinforced stand offers stable 90-degree adjust ability
- Fixed air intake provides temperature consistency, improving process control
- Three-position (hot-cool-off) rocker switch
- Full selection of replacement part kits for easy serviceability

**MASVT751DK**

**MASVT751D**

# Welding, Soldering and Heat Tools

## Heat Guns

### Heavy Duty Heat Gun

- Dual temperature switch: 570 °F and 1,000 °F
- Use wherever portable, flameless heat is required
- Double insulated
- Soft air velocity (14.8 CFM)
- Lightweight, only 1.6 lb
- 120 V AC, 11.6A
- Nozzles available for special applications

**MET8975-6**



**MET8975-6**

### IntelliTemp Heat Gun with LCD

- Selectable temperature in 10° increments 120–1,150 °F
- Three-stage airflow: cool/10.6/17.6 CFM
- 1,500 W output
- Precision LCD temperature selection and read-out
- Microprocessor-controlled heat output
- Exclusive DuraTherm® heating element for long life and even heat

**SNT25597**



**SNT25597**

### UltraHEAT® High Output Heat Blower

- 750–1,000 °F temperature range
- Powerful 23 CFM airflow for industrial use
- 1,750W output
- Exclusive plug-and-play element

#### Also Available:

SNT06110, SNT07695, SNT07705, SNT07715, SNT07725

**SNT34075**

**SNT06110** Replacement Element

**SNT07695** Reducer

**SNT07705** Large Reflector

**SNT07715** Small Reflector

**SNT07725** 8" Spreader



**SNT34075**

### Lite PDR Baton Attachment

- Ergonomically designed and molded for durability and longevity
- Can be activated by a switch on the attachment instead of a foot pedal
- Clean dent repair in a fraction of the time compared to a conventional PDR tool
- No need to meticulously massage out from the backside of vehicle panels, especially in hard-to-reach areas

**INIL-111**



**INIL-111**

### Inductor Lite With Cart

- Compact and powerful 2,400 W induction heater with a digital interface for manual heat control
- 85–265 V power supply offers flexible voltage
- Cart with cable hanger to manage all cords and attachments
- Cart has extra shelving to hold coil kits and additional accessories

**INIL-2000C**



**INIL-2000C**

### Variable Temperature Heat Gun

- Variable temperature 120–1,100 °F
- Three-stage air flow: cool/10.6/17.5 CFM
- 1,500 W output
- Variable temperature dial for versatile use
- Microprocessor-controlled heat output
- Exclusive DuraTherm® heating element for long life and even heat

**SNT25596**



**SNT25596**

### Programmable IntelliTemp LCD Heat Gun

- Selectable temperature in 10° increments 120–1,200 °F
- Variable airflow 3.6–17.6 CFM
- 1,600 W output
- Precision LCD temperature and airflow selection and read-out
- Microprocessor-controlled heat output
- Exclusive DuraTherm™ heating element for long life and even heat

**SNT25598** Heat Gun



**SNT25598**

## Induction Heaters

### Cold Shield Thermal Spray Gel, 32 oz

- Thermal spray absorbs heat to prevent damage
- Brush or spray on metal, plastic, vinyl, wires, paint, etc., when welding, brazing or soldering
- Nonflammable; 100% biodegradable

**INICS-032**



**INICS-032**

### Inductor Lite

- Compact and powerful 2,400 W induction heater with a digital interface for manual heat control
- 85–265 V power supply offers flexible voltage
- Automatic and manual heating modes
- Digital interface has power-heating indicator and thermal protection
- Push button/pneumatic foot switch (resilient to dirt and water)
- Attachments instantly heat ferrous metals without collateral damage to nearby plastics

**INIL-2000**



**INIL-2000**

### Lite Fast Off Attachment

- Flat, flexible induction coil that easily conforms to different contours on the vehicle body (sheet metal)
- High-temperature, soft-vermiculite coating helps protect automotive finishes from fiberglass abrasion
- Quickly removes SMC panels and spray-on bedliners

**INIL-211**



**INIL-211**



# Welding, Soldering and Heat Tools

## Induction Heaters

### Lite Glass Blaster Attachment

- Removes windshields clean and fast externally—no knives needed
- Removes bonded auto glass clean and fast
- Will not burn or melt glass, paint, plastic, and other non-metallic materials
- Contoured beveled edges place magnetic field closer to the workload when accessing tight corners

INIL-311



INIL-311

### Lite Cart

- Lightweight, metal cart with wheels for easy mobility
- Cable hanger to manage all cords and attachments
- Extra shelving to hold coil kits and additional accessories

INIL-CART

INIL-CART



### Mini-Ductor® 12 V

- 12 V battery operated
- Deep discharge battery protection
- Thermal overload protection
- Reverse polarity protection
- Over voltage protection
- 12 V/70 Amp/840 Watt

**Kit Includes:** Mini-Ductor® 12 V with 8' cable, manual, (3) basic work coils, 2' battery hook-up clamps and custom case

INIMD-500



INIMD-500

### Mini-Ductor® Venom Case

- Blow molded from recyclable high-density polyethylene (HDPE), the case offers superior protection, durability and storage
- Case includes an interior pocket for storage
- Material has superior impact strength (even in the coldest weather), resistance to solvents and oils, and durability – it will never rust or corrode
- Color is molded in, so it will never chip, peel, or rub off and is scratch resistant
- Case is made in the USA and incorporates patented mechanical hinges and latches for resilience

INIMD50-003



INIMD50-003

### Induction Heater

- Uses electromagnetic fields for heating of ferrous and some non-ferrous metals without the danger of open flames
- Flameless heat system is faster, smaller and more precise than an oxy-acetylene system
- Turn 3/4" nut cherry red in 15 seconds

**Starter Kit Includes:** 110 V Mini-Ductor® II Power Supply (14-3/4" L x 2-3/4" D) inside Custom Blow-Molded Storage Case (17" W x 12-1/4" H) with 70" Power Cord, (1) INIMD99-601 7/8" Pre-Formed Coil, (1) INIMD99-602 U-Form Coil, (1) INIMD99-603 Bearing Buddy Coil and Instruction Manual

**Professional Kit Includes:** 110 V Mini-Ductor® II Power Supply (14-3/4" L x 2-3/4" D) inside Custom Blow-Molded Storage Case (17" W x 12-1/4" H) with 70" Power Cord, (1) INIMD99-602 U-Form Coil, (1) INIMD99-603 Bearing Buddy Coil, (1) INIMD99-605 Pre-Formed Coil, (1) INIMD99-607 1-3/4" Pre-Formed Coil, (1) INIMD99-608 1-1/2" Pre-Formed Coil, (1) INIMD99-609 1-1/4" Pre-Formed Coil, (1) INIMD99-610 1" Pre-Formed Coil, (1) INIMD99-611 3/4" Pre-Formed Coil, Instruction Manual and (3) INIMD99-601 7/8" Pre-Formed Coil

**INIMD-700A** Starter Kit

**INIMD-700AK** Professional Kit



INIMD-700A



INIMD-700AK

### Lite Concentrate Attachment

- Tapered body, beveled edges and compact design for tight areas
- Heats bolts red-hot in seconds
- Removes hail dents
- Encapsulated in lightweight, rubber-coated fiberglass
- Flexible 7" handle allows user to access deeper/offset areas

INIL-411



INIL-411

### Pro Max™ Heavy Duty Cart

- Made of 22-gauge steel with powder coat paint finish
- Provides shop mobility and greater ease of use with the INDUCTOR PRO-MAX™
- 300 lb weight capacity
- Specifications: 20" W x 23-1/2" D x 27-1/4" H
- Shipping weight: 35 lb

INILXR-11

**INIMD99-602** U-Form Coil; Form coils to desired sizes and shapes (23" long)

**INIMD99-603** Flexible Magnetic Litz Wire; For wrapping around a-symmetrical objects (41" long)



INILXR-11

### Mini-Ductor® 12 V Case

- Blow molded from recyclable high-density polyethylene (HDPE), the case offers superior protection, durability and storage
- The case includes an interior pocket for storage
- The material has superior impact strength (even in the coldest weather), resistance to solvents and oils, and durability – it will never rust or corrode
- The color is molded in, so it will never chip, peel, or rub off and is scratch resistant
- The case is made in the USA and incorporates patented mechanical hinges and latches for resilience

INIMD50-001



INIMD50-001

# Welding, Soldering and Heat Tools

## Induction Heaters

### Mini-Pad Attachment

- Mini fiberglass pad
- Used for removing pinstripes, graphics, body side moldings and smaller sheet metal
- 3-3/4" W x 3-1/2" L x 5" H

**INIMD99-604**



**INIMD99-604**

### Mini-Ductor® Essential Coil Kit

**Kit Includes:** (2) INIMD99-601 7/8" Pre-Formed Coil, 5" L (1) INIMD99-605 7/8" Pre-Formed Coil, 9-1/2" L (1) INIMD99-610 1" Pre-Formed Coil, 8-1/4" L (2) INIMD99-611 3/4" Pre-Formed Coil, 4-1/2" L (1) INIMD99-621 7/8" Pre-Formed Coil, 13-1/4" L (1) INIMD99-622 1" Pre-Formed Coil, 13-1/4" L

**INIMD99-660**



**INIMD99-660**

### Mini-Ductor® Long Coil Kit

- Access hard-to-reach heating applications
- Coils can be bent for reaching around objects

**INIMD99-675 Kit**

**Kit Includes:**

- INIMD99-620** 3/4" Pre-Formed Coil, 13-1/4" L
- INIMD99-621** 7/8" Pre-Formed Coil, 13-1/4" L
- INIMD99-622** 1" Pre-Formed Coil, 13-1/4" L
- INIMD99-623** 1-1/4" Pre-Formed Coil, 13-1/4" L
- INIMD99-624** 1-1/2" Pre-Formed Coil, 13-1/4" L
- INIMD99-625** 1-3/4" Pre-Formed Coil, 13-1/4" L



**INIMD99-675**

### Inductor Max HD

- Lightweight I-series inductor 2000W power supply in a portable carry case with upgraded U-series inductor attachments
- Using high-frequency magnetic fields, easily remove parts bonded to metal
- Release seized hardware from corrosion or thread lock compounds and more without the collateral damage of an open flame
- Audible and visual power indicators
- Fine-tuning linear power control
- Pneumatic control, resilient to dirt and water
- UL®/CSA GFCI for user safety
- Specifications: 22-1/2" L x 10-1/2" H x 11" D
- Weight: 20 lb

**INIMIND2011**

**INIBH-02** Replacement Bellows and Hose

**INIMD328** Thumb Screw T Handle Set



**INIMIND2011**



**INIMXP1**

### Max Power Supply

- Works with U-series attachments
- Audible and visual power indicators
- Fine tuning linear power control
- Pneumatic control, resilient to dirt and water
- UL®/CSA GFCI for user safety
- Specifications: 22-1/2" L x 10-1/2" H x 11" D
- Weight: 20 lb

**INIMXP1**



**INIMD99-650**

### Mini-Ductor® Coil Kit

- Use to heat and release seized nuts and bolts and other metallic hardware from corrosion and/or thread lock components
- Each coil will last for several hundred uses or more, subject to use; use of the proper size coil, avoiding abrasion and overheating, prevents premature wear to the coil
- Coils are plated to eliminate oxidation
- Coil insulation is coated to resist abrasion
- Coils are flexible and can be bent or separated for a variety of applications
- Includes storage tube

**INIMD99-650 Kit**

**Kit Includes:**

- INIMD99-601** 7/8" Pre-Formed Coil, 5" L
- INIMD99-605** 7/8" Pre-Formed Coil, 9-1/2" L
- INIMD99-607** 1-3/4" Pre-Formed Coil, 8-3/4" L
- INIMD99-608** 1-1/2" Pre-Formed Coil, 8-1/2" L

**INIMD99-609**

1-1/4" Pre-Formed Coil, 8-1/4" L

**INIMD99-610**

1" Pre-Formed Coil, 8-1/4" L

**INIMD99-611**

3/4" Pre-Formed Coil, 4-1/2" L

### Mini-Ductor® Venom

- Coil Twist Lock™: coils now lock down with one simple turn (no more thumb screws) and Venom works with all Mini-Ductor® coils
- Angled Design with Trigger: Venom's lightweight, ergonomic design allows for induction heat to access hard-to-reach places more easily
- LED Usage Indicator: a Red LED will light under fault conditions and Green LED lights while the trigger is active and the tool is heating properly
- User Controlled LED Switch: as long as the tool is powered and the internal power supply is operating, the LED will remain lit when the switch is on
- Two Year Limited Warranty: Venom has a two year parts and labor warranty

**INIMDV-777**



**INIMDV-777**

### Venom Kit with Coil Set

- The deluxe kit includes a removable tray with eleven labeled coils, including nine interchangeable pre-formed coils to heat fasteners up to 1-1/2" in diameter and are a variety of lengths from 4-10" long, including the flexible Bearing Buddy for wrapping around inline and asymmetrical objects and the straight heat-resistant U-Form coil for D.I.Y. winding
- Angled design with trigger: Venom's lightweight, ergonomic design allows for induction heat to access hard-to-reach places easily
- Coil Twist Lock: coils now lock down with one simple turn (no more thumb screws) and Venom works with all Mini-Ductor® coils
- Heats ferrous and some non-ferrous metals without the danger of an open flame using Invisible Heat® Releases thread lock compounded nuts, frozen manifold bolts, bearings, and more
- Prevent damage to nearby plastics, rubber, wiring and fuel lines eliminating unnecessary repair and install (R+I).

**INIMDV-777AK**



**INIMDV-777AK**



## Induction Heaters

### Inductor Pro-Max™

- Using high-frequency magnetic fields, Pro-Max™ generates Invisible Heat® to remove all types of adhesives bonded to metal, release seized hardware from corrosion or thread lock compounds without the collateral damage of an open flame
- Operates on convenient 120 V/20 A/2,200 W with a true maximum output of over 2000W and more power than a tool of 240 V
- Audible and visual power indicators
- Fine-tuning linear power control
- Pneumatic foot switch resistant to dirt and water
- UL®/CSA GFCI for user safety
- Storage for attachments included

**Includes:** Pro-Max™ high-performance inverter Attachments: U-211, U-311 and U-411 (2) L-wedges, manual and tutorial video

**INIPM-20000**



**INIPM-20000**

### Inductor Pro-Max™ Industrial

- Using high-frequency magnetic fields, release seized hardware and components from corrosion/thread compounds and more
- Apply direct heat to ferrous metals where you normally would not or could not have done before
- Faster and safer than with torches
- 2,000W peak output inverter, maximizes use of one 20 V/20A circuit

**Includes:** (1) INIU-555 Inductor, (1) 110 V Inductor Pro-Max™ Power Supply (12" W x 18" L x 11-1/4" H) with open under-cabinet storage, INIMD99-601 7/8" Pre-Formed Coil, INIMD99-602 U-Form Coil, INIMD99-603 Bearing Buddy Coil, Instructional DVD and Instruction Manual

**Also Available:**

INIU-211, INIU-311, INIU-511

**INIPMIND2011**

**INIU-311** Glass Blaster Attachment

**INIU-511** Induction Rosebud



**INIPMIND2011**

### PDR Baton Attachment

- Removes hail dents, door dings and other minor soft dents by heating the panel and relieving the stress holding the dent
- Ergonomically designed and molded for durability, versatility and longevity
- Tapered body and beveled edges allow for balanced grip
- For use with the Inductor Max™, and Inductor Pro-Max™

**INIU-111**



**INIU-111**

### Inductor

- Operates on the Inductor Pro-Max™ power inverters, offering more power, speed and versatility
- Systems features all the benefits of the MINI-DUCTOR® (II)™, allowing the user to utilize all the MINI-DUCTOR® (II)™ attachments with Inductors' larger equipment
- Features an ergonomically slip resistant hand grenade style grip and a super bright LED to illuminate the work load
- Uses high frequency magnetic fields to instantly heat metallic objects; nuts/bolts, bearings, gears, pulleys, O<sub>2</sub> sensors...etc...
- Includes : INIMD99-601 (preformed Nutz-Off coil), INIMD99- 602 (U-form coil), and INIMD99-603 (Bearing Buddy)

**INIU-555**



**INIU-555**

### Inductor Pro-Max™ Fully Loaded

- Heavy duty cart provides mobility and ease of use in shop
- High performance energy efficient inverter (maximizes use of a 120 V/20A circuit) rated: input 2200W max output 2000W
- Audible and visual power indicators
- Fine tuning linear power control
- Pneumatic foot switch (resilient to dirt and water)
- UL®/CSA GFCI for user safety
- Works with U-series attachments

**Includes:** Pro-Max™ high performance inverter; Attachments: U-211, U-311, U-411, U-555 and rosebud attachments Accessories: (1) coil kit, (1) long coil kit, (1) set of L-wedges, (1) bottle cold shield and (1) thermal tape package

**INIPM-200FL**

**INIBH-02** Replacement Bellows and Hose

**INIMD328** Thumb Screw T Handle Set



**INIPM-200FL**

### Pro-Max™ Power Supply

- High-performance energy efficient inverter (maximizes use of a 120 V/20A circuit) rated: input 2200W max, output 2000W
- Audible and visual power indicators
- Fine-tuning linear power control
- Pneumatic foot switch (resilient to dirt and water)
- UL®/CSA GFCI for user safety
- Works with U-series attachments

**INIPMP1**



**INIPMP1**

### U-Series Concentrator Attachment

- Tapered body, beveled edges and compact design for maximum output capability in tight areas
- Molded polymer resin head
- 6' HF cable to inverter
- Shipping weight 2 lb
- Works with either the Inductor Max HD or Pro-Max™

**INIU-411**



**INIU-411**

### 2' Extension Leads

- Battery hook-up clamps allow you to connect the Mini-Ductor® 12 V to any vehicle battery
- Clamps feature 4-gauge twin lead booter cables with an Anderson connector and battery clamps
- 2' long INIV12-02 Battery Hook-up Clamps are included in the INIMD-500 Kit

**INIV12-02**



**INIV12-02**

### 12' Extension Leads

- Battery hook-up clamps allow you to connect the Mini-Ductor® 12 V to any vehicle battery
- Clamps feature 4-gauge twin lead booter cables with an Anderson connector and battery clamps
- 12' long INIV12-12 Battery Hook-up Clamps can extend the reach of the Mini-Ductor® 12 V for larger vehicles

**INIV12-12**



**INIV12-12**



# Welding, Soldering and Heat Tools

## Micro Torches

### Master® Ultratane® Butane

- Large 5-1/8 oz can
- Triple-refined to reduce clogging of filters
- Use with all Master Appliance® butane-powered products
- Meets CPSC safety requirements
- Price includes shipping and HazMat charges
- Drop shipped from supplier

**MAS72-51773** 6 Cases (72 Cans)



**MAS72-51773**

### Heavy Duty General Industrial Torch

- Butane-powered and self-igniting
- Metal fuel tank – 30 minute run time
- Adjustable blue flame (up to 2,500 °F) with safety lock
- Meets CPSC safety requirements
- Use to braze with special alloy welding rods, heat and bend thin metals, loosen rusted bolts, pop dents out of metal, shrink and terminate adhesive-lined tubing, solder/desolder and more

**MASGT70**



**MASGT70**

### Master® Microtorch

- Built-in self-igniting system with safety lock
- Butane-powered for portable use
- Built-in refillable plastic fuel tank
- Wide, stable base is perfect for hands-free use
- Temperature up to 2,500 °F/1,300 °C
- Two hour continuous burn time on a full tank
- Adjustable flame that will produce a broad or pinpoint flame
- Meets Consumer Products Safety Commission (CPSC) safety requirements

**MASMT51** Torch Only

**MASMT51H** Torch, Flameless Heat Tip and Shrink Attachment



**MASMT51**

### Self-Igniting Triggertorch™ and Kit

- Self-igniting Triggertorch™ soldering iron, hot knife and flameless heat tool
- Portable, butane powered
- Handheld or removable table-top base
- Two hours continuous burn time on full tank
- Adjustable flame that will produce broad or pinpoint flame up to 2,500 °F
- Meets CPSC safety requirements

**MASMT76** Triggertorch™, Heat Tip and Solder Tip Only

**MASMT76K** Complete kit with Triggertorch™, table top stand, solder tip, heat tip, hot knife tip, shrink attachment, polyfoam cutter, 5" wire cutter, 5" needle nose pliers, solder and sponges packed in a durable plastic carrying case



**MASMT76**



**POWMTKIT01**

### Solder Attach W/Tip For Ppmt

- Excellent for soldering and brazing
- Maximum temperature of 2,500 °F (when used as a torch)

**Kit Includes:** Torch, Solder Tip, Heat Injection Tip, Heat Shield and Blow-Molded Case

**POWMTKIT01** Kit

**POWMT** Torch Only

**POWTK0017** Solder Attachment with Tip



**POWMT**

### Automatic Ignition Butane Powered Pro Torch™

- Heavy-duty, high-output butane torch
- Flame temperature: 2,500 °F blue flame
- Dimensions: 6.8" high, 5" long, 1.78" grip diameter and 2.56" base
- Weight without fuel: 14.5 oz
- Hours of nonstop burning: 90 minutes on minimum setting
- Ergonomic grip is comfortable to use at any angle
- Designed to withstand the rigors of daily professional use
- Butane capacity: 60 mL
- CA residents see page 365 for Proposition 65 warning. ⚠

**WLKLPT500**



**WLKLPT500**

## Soldering and Brazing



### Wire Soldering Clamp

- Ideal solution for holding wires in place during soldering; acts as a second set of hands, clamping down onto wires from either side of the tool
- Features a 6" flex cable arm for difficult-to-reach areas
- Spring-loaded, articulating claws clamp firmly onto wires
- May be used for various gauges of wiring

**ASTWSC15**



**ASTWSC15**



**MAS10600**

### Proseal™ Butt Splice Kit – Crimp and Heat Seal Connectors

Includes: 20 items and 115 pc – Assorted Ring Terminals, Spade Terminals, Butt Connectors and Insulated Couplers

**MAS10600** Full Assortment Kit



**MAS11821**

### Solderseal Butt Slice Kit

- Lead-free solder preform enclosed in a translucent, adhesive-lined heat shrinkable tubing
- Provides a strong, solid seal that protects electrical systems from moisture, corrosion, contaminants and current leakage

**MAS11821** Butt Splice Kit



# Welding, Soldering and Heat Tools

## Soldering and Brazing



### Solderseal Full Assort Kit

- Lead-free solder preform enclosed in a translucent, adhesive-lined heat shrinkable tubing
- Provides a strong, solid seal that protects electrical systems from moisture, corrosion, contaminants and current leakage

**MAS11822** Full Assort Kit



**MAS11822**



### Multiseal Butt Splice Kit

- Multiseal connectors are crimped for mechanical reliability, soldered for superior strength and conductivity, and heat-sealed for maximum durability, providing strong, solid seals to protect electrical systems from moisture, corrosion, contaminants and current leakage
- Lead-free solder preform with crimp barrels, enclosed in translucent, adhesive-lined heat shrinkable tubing

**MAS11823** Butt Slice Kit



**MAS11823**



### Multiseal Full Assort Kit

- Multi-seal connectors are crimped for mechanical reliability, soldered for superior strength and conductivity, and heat-sealed for maximum durability, providing strong, solid seals to protect electrical systems from moisture, corrosion, contaminants and current leakage
- Lead-free solder preform with crimp barrels, enclosed in translucent, adhesive-lined heat shrinkable tubing

**MAS11824** Full Assort Kit



**MAS11824**



### Master Ultratorch®

- Triple function, self-igniting soldering iron, flameless heat tool and torch
- Cordless and completely portable; self-ignition with push button for fast, easy starting; ready to use in seconds
- Sturdy metal tank with fuel viewing window holds fuel for two hours of operation
- Adjustable temperature control
- Includes chisel tip installed on unit, hot air tip, shrink attachment, open end wrench, ejector and cap in a cardboard box

**MASUT100SI** Tool Only

**MAS700105** 0.5 mm Dia. Tapered Needle Soldering Tip for UT-100Si

**MAS700106** 2.0 mm Dia. Micro Spade Soldering Tip for UT-100Si

**MAS700108** 2.0 mm Dia. 35° Spade Soldering Tip for UT-100Si

**MAS700111** 8.0 mm Dia. High-Powered Chisel Soldering Tip for UT-100Si

**MAS700113** 5.0 mm Dia. High-Powered Long Tapered Chisel Tip for UT-100Si

**MAS700116** Hot Knife Tip UT-100Si

**MAS700152** 5.7 O.D./4.9 I.D. (mm) (Standard with all Ultratorch® models)

**MAS700153** 8.0 O.D./I.D. (mm) Hot Air Tip for UT-100Si

**MAS700155** Small Heat Shrink Attachment (Standard with all Ultratorch® Models)



**MASUT100SI**



### Ultratorch®

- Ultratorch® with chisel tip installed on unit, hot air tip, shrink attachment, open end wrench, ejector and sponge in a metal box

**MASUT-100SIK**



**MASUT-100SIK**



### Ultratorch® Heat Tool Kit

- Master® model MASUT4SIH
- Butane-powered, self-igniting
- Includes shrink attachment
- Instant flameless heat with one-touch ignition
- Adjustable temperatures up to 1,200 °F
- Portable, compact and lightweight
- Economical
- Refillable – runs up to 1-1/4 hours

**MASUT100SITC**



**MASUT100SITC**

### Soldering Kit

- 120 W 500 BTU
- Maximum temp of 950 °F (when used for soldering)
- Maximum temperature of 2,500 °F (when used as a torch)

**Kit Includes:** (3) Soldering Tips, (1) Heat Injection Tip, (1) Hot Knife, (1) Heat Shield, Roll Rosin Core Solder with Sponge, Plastic Case with Organizer

**POWPSK**



**POWPSK**

### Double Wall Adhesive Heat Shrink Tubes

- Adhesive lining provides an environmental seal to prevent moisture, dirt and chemicals from affecting electrical connections
- Excellent for automotive, marine, heavy-duty, industrial, construction and home applications
- All tubes have a 3:1 shrink ratio and are weatherproof
- 60 black and red pieces in five sizes
- Forms a secure bond over smooth and irregular shapes
- Excellent for insulation, strain relief, abrasion shielding and corrosion protection
- Shrink tubes made of polyolefin material

**SAG23210**



**POWTK0019**

### Soldering Accessory

- Hot knife, chisel and wedge replacement tip kit
- Fits POWMT and the POWPSK tools

**POWTK0019** 3 pc Soldering Tip Set



**SAG23210**

# Welding, Soldering and Heat Tools

## Soldering and Brazing



WLKLS25

### Solderpro™ 25 Butane Powered Soldering Iron

- Pocket-sized
- Piezo electronic automatic ignition system for ease of use
- 25–50W equivalent electrical power
- Butane capacity: 6 mL
- Hours of nonstop burning: 20 minutes on middle setting
- Soldering tip approximate temperatures: 400–750 °F
- Butane sold separately
- CA residents see page 365 for Proposition 65 warning. ⚠

WLKLS25



## Welding Helmet

**Blue-Steel**

### Welding Helmet

- Auto darkening
- MIG, TIG, stick, plasma, oxy/acetylene welding processes
- Adjustable shade 9–13
- Adjustable sensitivity
- Light shade #4 protection when not triggered by light source
- Offers protection to UV and IR light sources
- Dual power sources, solar and lithium cells
- Viewing area of 1-1/2 x 3-3/4"
- Fully adjustable headgear



BLSWH100

### BLSWH100

**BLSWH100-1** Inner Protective Lens

**BLSWH100-2** Outer Protective Lens

**BLSWH100-3** ADP Module

**BLSWH100-4** Headgear

## Welding Tools and Accessories



DFX-DFSP360

### Shunting Pliers

- Ideal when welding coated steel
- Helps direct the current flow between electrode tips
- Constructed of thick copper wire and clamping pads

DFX-DFSP360



KNX4244280

### 11" Welding Grip Pliers

- Heavy-duty pliers with adjustment screw, release lever and moveable jaws
- High clamping pressure due to the toggle action lever for a more secure grip
- Pivoting jaws adjust gently on surface and work pieces
- One-hand operation
- Pliers body is made from high-strength rolled steel
- Gripping jaws are forged from chrome vanadium electric steel

KNX4244280



LIL51880

### Spot-Weld Chisel

- Separates spot-welded panels
- Use to separate panels after the spot weld has been drilled out
- Drive the blade with a hammer from the top or the side through the panel
- Panels are separated without damage
- The blade is sharpened on three sides and offset for clearance

LIL51880



### 6 pc Axial Plier Kit

- Set includes six different Axial Pliers
- Durable plastic case
- Axial pliers eliminate provisional welding
- Axial motions allow offset clamping
- Fast and easy one-hand operation
- Forged steel construction and durable finishes

**MALWPAK** Set

**Includes:**

**MALWPAJ**

**MALWPALL**

**MALWPAJJ**

**MALWPAT**

**MALWPAL**

**MALWPAW**



MALWPAK



STK23230

### Plugweld Pliers

- Makes plug (spot) welding fast and easy
- Copper alloy backing plate will not stick to welds
- Unique design allows the technician to clamp panels at precise spot and still allow for welding; panels will not separate and weld will not stick to copper pad
- Copper alloy pad prevents burn-through; allows for higher welding temperatures and better penetration

**STK23230**

**STK23231** Replacement Backing Plate



# Welding, Soldering and Heat Tools

## Welding Tools and Accessories



### Mig Light

- Light the area to be welded so you can locate your torch where you need it before you strike an arc
- LED light attachment for a MIG Torch which is easily adjusted for accurate illumination of the area to be welded
- Large diameter, easy-to-push on/off button can be actuated while wearing welding gloves
- Assists with either a traditional or auto-darkening helmet
- Flexible mounting bracket attaches to the neck of standard (1/2"–3/4") MIG welding torches
- Long-lasting LED light is powered by (1) AAA battery and includes 30-minute auto light shut off to help save battery life
- Lens cover prevents spatter from affecting the LED
- Focused beam saves time and frustration when welding out-of-position
- Slips onto most MIG torches to provide light where needed at the touch of the finger to make welding, including in and under a car, easy and productive



**STK23240**

**STK23240**

### ER4047 Aluminum MIG Wire

- Silicon is principle alloying element; when welding aluminum, provides for increased fluidity and reduced shrinkage in the weld
- Produces bright and almost smut-free welds
- May be used in applications of sustained elevated temperature
- Used for welding forged and cast aluminum parts
- Requires a shielding gas of 100% Argon
- 4 lb spool

**CKS84047304** ER4047 Aluminum .030"

**CKS84047354** ER4047 Aluminum .035"

**CKS84047404** ER4047 Aluminum .040"



**CKS84047304**

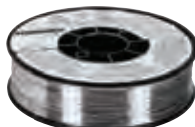


**CKS84047404**

### .047 5554 Aluminum 4 lb Wire

- 1.2mm/.047 5554 wire is recommended by Ford®, Jaguar®, Land Rover® and required by I-CAR®
- Ideal for use in Snap-on® Pulse MIG Welding machines

**CKS85554474**



**CKS85554474**

### CUSi3 Copper-Silicon Welding Wire

- Used for MIG brazing
- Lower melting point which results in higher travel speeds, better wetting, better gap bridging and has excellent corrosion resistance
- Also well suited for welding galvanized material; results in less distortion, less welding time, less spatter and better corrosion resistance
- Requires a shielding gas of 100% Argon

**CKS8SILB302** CUSi3 Copper-Silicon .030" (2 lb)

**CKS8SILB304** CUSi3 Copper-Silicon .030" (4 lb)

**CKS8SILB352** CUSi3 Copper-Silicon .035" (2 lb)



**CKS8SILB302**



**CKS8SILB352**

## Welding Wire



### 308L Stainless Steel MIG Wire

- Excellent general-purpose welding wire for welding stainless steel 304, 304L, 308 and 308L
- Requires a shielding gas of either 98/2% Argon/CO2 mix
- 3 lb spool

**CKS8308L303** 308L Stainless .030"

**CKS8308L353** 308L Stainless .035"



**CKS8308L303**



**CKS8308L353**

### ER5356 Aluminum MIG Wire

- General-purpose aluminum alloy which is typically chosen for its relatively high shear strength
- Most widely used of all aluminum fillers metals
- Common applications include welding of boats/ships, bicycles, trucks, pressure vessels and automotive parts, including automotive body panels
- Also offers excellent corrosion resistance when exposed to salt water
- Requires a shielding gas of 100% Argon
- 4 lb spool

**CKS85356304** ER5356 Aluminum .030"

**CKS85356354** ER5356 Aluminum .035"

**CKS85356404** ER5356 Aluminum .040"



**CKS85356304**



**CKS85356404**

### E71TGS Flux-Core Welding Wire

- All position, single pass, flux cored welding wire
- Designed to weld carbon steel
- No shielding gas is needed
- Produces smooth arc action, low spatter, full slag coverage and easy slag removal
- Operates on DC straight polarity (+ ground)
- 10 lb spool

**CKS8E71T3510** E71Tgs Flux Core .035"



**CKS8E71T3510**

### ER70S-6 Steel Welding Wire

- Mild steel welding wire that offers excellent spatter control with enhanced bead profile
- Delivers high-quality welds when used on dirty, oily or rusty steel
- Engineered to provide porosity-free, x-ray quality welds
- Well suited for automotive repair, industrial, agriculture, construction, mining equipment and HVAC duct work
- Requires shielding gas of 75/25 CO2/Argon mix or 100% CO2
- 11 lb spool

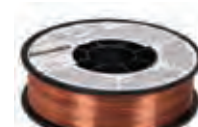
**CKSER7062311** ER70S6 Steel .023"

**CKSER7063011** ER70S6 Steel .030"

**CKSER7063511** ER70S6 Steel .035"

**CKSER7064011** ER70S6 Steel .040"

**CKSER7064511** ER70S6 Steel .045"



**CKSER7062311**



# Wheel Alignment

## Joint Hammer Nuts

### Joint Hammer Nut

- 12 x 1.5 mm
- Prevents damaging threads or ripping a boot

**ASTTM1215** 12 x 1.5 mm

**ASTTM1415** 14 x 1.5 mm



**ASTTM1215**

## Laser Alignment Tool Set

### EZ LINE® Laser Multi-Alignment Tool

- Multipurpose measurement capability
- For heavy trucks and all types of trailers
- Easy, fast, precise axle and wheel alignment
- Compact design, easy transport and storage

**Includes:** (4) Magnetic self-centering lasers, 32'/10 m measuring tape, (2) magnetic fifth wheel pin adaptors, durable storage/travel case

**EZREZLINE**



**EZREZLINE**

## Magnetic Gauges and Adaptors

### Magnetic Transfer Adaptor

- Fits over the wheel spindle nut
- Transfers the magnetism of the magnetic gauge to hold it securely in place
- Eliminates the need to jack vehicle and remove the wheel spindle nut
- Reversible for outside diameters of 2-1/4" and 2-5/8"
- Designed for front-wheel drive cars
- Fits 85% of cars and light trucks

**WAM0061**



**WAM0061**

### Magnetic Wheel Alignment Gauge

- Durable die-cast aluminum
- Multi-pole alnico magnet
- Removes burrs on hub surface; built-in cutting teeth
- Levels recessed to minimize breakage

#### Specifications:

Camber: +8° – -8° numerically by degrees and in increments of 1/2°

Caster: +14° – -6° numerically by degrees and in increments of 1/2°

Kingpin: +20° – -20° numerically by degrees and in increments of 1/2°

**WAM0684**



**WAM0684**

## Magnetic Gauges and Adaptors

### No Mar Rim Adaptor

- Makes magnetic gauge easy to use on wheels that have difficult-to-access wheel hubs
- Does not mar mags, aluminum or custom wheels
- Attaches on the outside of the wheel felloe so no damage is done to the wheel
- Simple, quick and easy to use

**WAM1088**



**WAM1088**

## Steering Wheel Level

### Steering Wheel Level

- Assures a level steering wheel during front-end toe check and alignment procedure
- Spring-loaded and adjustable to different diameter steering wheels
- Use with WAM0938 for positive centering of the steering wheel

**WAM0948**



**WAM0948**

## Tandem Truck Alignment Tools

### Steering Wheel Holder

- Allows for greater accuracy and simplicity in adjusting toe-in, toe-out and in centering the steering wheel
- Not to be used as a steering wheel lock

**WAM0938**



**WAM0938**



**WAM1889**

### Trailer Kingpin Extension

- Makes fast, accurate measurements from the kingpin center to the trailer tandems
- Easily adjusts to fit various height trailers
- Spring-loaded cone assures accurate location of kingpin
- Six adjustments in 2" increments
- Maximum height 48"
- Used with WAM188L and WAM1890

**WAM1889**

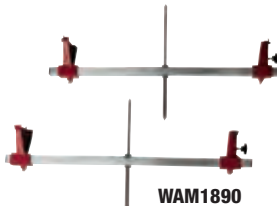
### Tire Mating Square—Truck

- Checks inner/outer dual wheels for more than 1/2" dia. size difference
- Short arm 26", long arm 48"

**WAM1844**



**WAM1844**



**WAM1890**

### Tandem Tracker Set – Truck

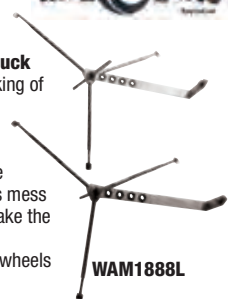
- Used to measure tracking of tandem axles
- Fits on the outside of the wheels so aluminum wheels will not be damaged
- No need to remove the hub covers
- Provides accurate measuring points
- Used with WAM1889

**WAM1890**

### Tandem Tracker Set—Truck

- Used to measure tracking of tandem axles
- Provides accurate measuring points
- No need to remove the hub covers; eliminates mess
- One technician can make the measurements alone
- Fits 19–22-1/2" steel wheels
- Used with WAM1889

**WAM1888L**



**WAM1888L**



**WAM1891**

### Tandem Axle Spacing Caliper – Truck

- Easily check the spacing between the axles of tractors or trailers
- Ensures correct alignment and tracking
- Also used to measure the diameters of tires so that matching pairs and sets can be used
- Easy-to-read scale; lightweight
- Measures up to 72" or 183 cm

**WAM1891**



## Toe Gauges and Accessories

### Toe Measuring Gauge

- Makes contact with only one spot on each wheel and minimizes error
- Vehicle is rolled in position and measurement is taken without removal
- For standard size cars and trucks

**WAM0361** Standard, Minimum 46"—Maximum 74"

**WAM0361M** Metric, 116.80—187.96 cm



WAM0361

### Scribe Type Toe Gauge

- Gives precise, quick reading
- One-man operation
- Pointers are adjustable to hub height for greater accuracy
- Scribe included
- Scale is graduated in 1/32" and in millimeters
- 5" legs; 11" and 17" pointers

**WAM0513**



WAM0513

### Scribe Type Toe Gauge - Truck

- Gives precise, quick reading
- One-man operation
- Pointers are adjustable to hub height for greater accuracy
- Scale is graduated in 1/32" increments and in millimeters
- Scribe included

**WAM0515** 10" Legs, 11" and 17" Pointers

**WAM0517** 5" and 10" Legs, 11" and 17" Pointers



WAM0515



WAM0517

### Wheel Spreader

- Accurately spreads and holds front wheels while setting toe
- Used with WAM0515, WAM0517 and WAM0513
- 42–71" range
- 13 lb pressure

**WAM0918**



WAM0918

## Turntables/Stands/Slip Plates



WAM0750



WAM1100



WAM0801



WAM0884

### Turntable Set

- Measures degrees of turning while taking caster readings
- Easy-to-remove locking pins
- Non-skid design minimizes sliding
- Freedom of movement in all directions
- Large dials, easily read from any angle
- Enclosed ball bearings
- 100° caster swing
- 11" dia., 5,000 lb per wheel

**WAM0750** Cars and Light Trucks

**WAM1100** HD Trucks, 14" dia., 10,000 lb per wheel

### Rear Wheel Platform Set with Slip Plate

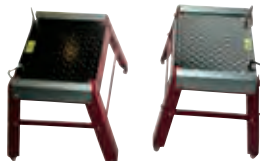
- Allows unrestricted movement of rear wheels to make accurate adjustments
- Eliminates friction between the tires and floor
- Allows 1" movement in each direction
- To be used in conjunction with WAM0750
- Overall size 16" x 11-1/2" x 2"

**WAM0801**

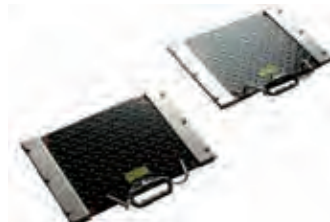
### Front Wheel Stand Set with Adjustable Legs

- Allows for easy access under the vehicle
- Adjustable legs to raise vehicle 15-1/2" off the floor
- Supports 2,500 lb per wheel
- To be used with WAM0750 turntable set

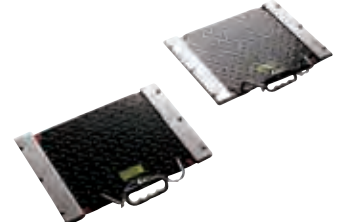
**WAM0884**



WAM0886



WAM1841



WAM1851

### Rear Wheel Stand Set with Slip Plates

- Allows unrestricted movement of rear wheels to make accurate adjustments
- Eliminates friction between tire and stand
- Allows 1" movement in each direction
- Adjustable legs to raise vehicle 15-1/2" off the floor
- Allows for easy access under the vehicle
- Slip plates have 13-1/4 x 10-1/2" work area
- Supports 2,500 lb per wheel
- To be used with WAM0750 turntable set and WAM0884 stand

**WAM0886**

### Truck Front Slip Plate Set

- Allows unrestricted movement of front tires to make accurate adjustments
- Eliminates friction between the tires and floor
- Allows 1-5/8" movement in each direction
- Overall size 24" x 16" x 3/8"

**WAM1841**

### Rear Wheel Slip Plate Set

- Converts ramps, benches and racks with flush turntables into four-wheel alignment system
- Allows unrestricted movement of rear wheels to make accurate adjustments
- Eliminates friction between the tires and floor
- Allows 1" movement in each direction
- Low 3/8" profile
- Overall size 17-1/4 x 11-1/2 x 3/8"

**WAM1851**

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# Proposition 65 Warnings

**WARNING:** Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

8 MSL66660  
10 MSL492646910, MSL67010, MSL69360, MSL98370, MSL98721  
12 MSL32661, MSL89660  
20 NOCGB150, NOCGB50, NOCGB500, NOCGB70  
30 LIL34950  
36 HRR117-1, HRR117-10, HRR117-11, HRR117-3, HRR117-4, HRR117-5,  
HRR117-6, HRR117-7, HRR117-8, HRR117-9, HRR118, LIL35460  
54 HRR952-210, HRR952-270, HRR95200, HRR953-210, HRR953-220,  
HRR953-240, HRR953-260, HRR953-280, HRR953-290, HRR95300  
61 HRR727  
63 HRR36700  
91 HRR946  
96 LIL71350, LIL71570, LIL71580, LIL71590, LIL71600  
104 LIL69910, LIL69930  
106 HRR683-1, HRR683-10, HRR683-12, HRR683-13, HRR683-15, HRR683-16,  
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HRR683-6, HRR683-7, HRR683-8, HRR683-9, HRR689  
113 HRR764, LIL69920  
124 HRR48100, HRR482, HRR483, HRR488, HRR489  
129 LIL62010, LIL62020, LIL62030, LIL62050  
136 HRR59, LIL17000, LIL17370  
139 LIL38700  
151 HRR751  
154 MSL71202, MSL72450, MSL72475, MSL72480  
163 HRR527-5  
165 HRR536-1  
226 LIL13270, LIL13280, LIL13290  
227 LIL61160  
272 WLD418001  
273 WLD437003, WLD440101BAG, WLD605003, WLD605016, WLDSP1205  
274 WLDSP1291, WLDSP1584  
278 HRR198  
325 KTT30304A, KTT30305A, KTT30306A, KTT30307A, KTT30308A,  
KTT30309A, KTT30310A, KTT30311A, KTT30312A  
326 KTT30304A, KTT30305A, KTT30306A, KTT30307A, KTT30308A,  
KTT30310A, KTT30311A, KTT30312A, KTT30313A, KTT30322A,  
KTT30327A, KTT30328A, KTT30329A, KTT30334A, KTT30336A,  
KTT30338, KTT30340A, KTT30341A, KTT30342A, KTT30343A,  
KTT30898A, KTT30899A  
327 KTT30304A, KTT30305A, KTT30306A, KTT30308A, KTT30310A,  
KTT30312A, KTT30313A, KTT30328A, KTT30329A, KTT30334A,  
KTT30336A, KTT30908A, KTT30909A, KTT30910A, KTT30911A,  
KTT30912, KTT30918A, KTT30919A, KTT30940, KTT30950, KTT30960

**WARNING:** This product can expose you to chemicals including **Bisphenol-A** (BpA), **Chromium** and **Nickel** which are known to the State of California to cause cancer (Nickel and Chromium) and birth defects or other reproductive harm (BpA and Chromium). For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

73 FMIO1BKFB02, FMIO1BKSM01, FMIO1BKSM02, FMIO1BLFB02,  
FMIO1FIBK, FMIO1GMFB02, FMIO1RDFB02, FMIO1RLCL01, FMIO1RLYL01  
74 FMIO2BKFB02, FMIO2BKSM01, FMIO2WHSM01, FMIO3BKFB02,  
FMIO3TTFB02, FMIO4BKFB02, FMIO4BKSM01, FMIO4BLFB02, FMIO4FIBK,  
FMIO5BKFB02

**WARNING:** This product can expose you to chemicals including **Carbon Black**, which is known to the State of California to cause cancer, and to **Toluene**, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
273 WLD499005A

**WARNING:** This product can expose you to chemicals including **DEHP**, which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

130 IPA8108  
131 IPA8002  
243 IPA8050, IPA8051, IPA8052, IPA8053  
290 IPA8091  
302 IPA8004-6AS, IPA8083, IPA8084, IPA8085  
306 IPA8090S  
313 IPA9038A  
316 IPA8041, IPA8042, IPA8042-1, IPA8042-10, IPA8042-2, IPA8042-3,  
IPA8042-4, IPA8042-5, IPA8042-6, IPA8042-7, IPA8042-8, IPA8042-9  
317 IPA8047, IPA9200

**WARNING:** This product can expose you to chemicals including **Ethylene Oxide**, which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

316 IPA8040, IPA8043, IPA8044, IPA8045  
317 IPA8048

**WARNING:** This product can expose you to chemicals including **Lead**, which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

63 AEM833-0420  
91 SPDTU22APB  
107 AEM5344, AEM8579, AEM8585, AEM8591, SPDTU16APB  
113 SPDTU24APB  
119 SPD73111, SPDTU1551, SPDTU1553, SPDTU1570, SPDTU15P,  
SPDTU30A, SPDTU3PB  
120 SPD74425, SPDTU1524, SPDTU1525, SPDTU32, SPDTU322, SPDTU3220,  
SPDTU3221, SPDTU3222, SPDTU323  
121 SPD72315, SPDTU15-33, SPDTU1526, SPDTU1527, SPDTU1528,  
SPDTU1535, SPDTU1538, SPDTU26, SPDTU3225, SPDTU469  
122 SPD73102, SPD74487, SPD74488, SPDTU1P, SPDTU25P, SPDTU443-2,  
SPDTU5402  
145 AEMPRC87  
159 AEM486  
223 AEM635A  
232 CNT6506  
234 AEM3078, AEM3079  
237 AEM1610, AEM437, AEM440, AEM444, AEM445, AEM6529, AEM6530,  
AEM6531, AEM702, AEM9636  
238 AEM446, AEM5530, AEM6538, AEM6738, AEM9723, AEM9724,  
AEM9793, AEM9794  
246 AAI11CBG4F  
290 IPA8086  
302 IPA8001, IPA800110B3, IPA800111B3, IPA800112B3, IPA800113B3,  
IPA800114B3, IPA800115B3, IPA800116B3, IPA800117B3, IPA800118B3,  
IPA800119B3, IPA80018B3, IPA80019B3, IPA80038, IPA8081, IPA8088  
304 IPA8120, IPA8150, IPA8151  
313 IPA9036, IPA9037, IPA9038  
315 IPA8025-1  
319 IPA9101, IPA9102  
322 AEM795  
339 HRC1502171, HRC1502173, HRC1800710, HRC9004486  
346 WLKLP1500  
348 WLKLP25

**WARNING:** This product can expose you to chemicals including **Nickel** which are known to the State of California to cause cancer, and **Bisphenol A** (BpA) which are known to the State of California to cause birth defects and other reproductive harm. For more information, go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

75 WYXACACE01, WYXACACE04, WYXACAS06, WYXACHAY04,  
WYXACHAY06, WYXACKLE04, WYXACKLE06, WYXACKNG09, WYXACVLS05  
76 WYXACKOB04, WYXCCMP07  
77 WYXCWAV09, WYXSSEN08, WYXSSTW08

**WARNING:** This product can expose you to chemicals including **Nickel**, which is known to the State of California to cause cancer. For more information, go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

40 OAGPP75  
302 IPA800110N3, IPA800110S3, IPA800111N3, IPA800111S3, IPA800112N3,  
IPA800112S3, IPA800113N3, IPA800113S3, IPA800114N3, IPA800114S3,  
IPA800115N3, IPA800115S3, IPA800116N3, IPA800116S3, IPA800117N3,  
IPA800117S3, IPA800118N3, IPA800118S3, IPA800119N3, IPA800119S3,  
IPA80018N3, IPA80018S3, IPA80019N3, IPA80019S3, IPA8037, IPA8037-  
25, IPA8037-30, IPA8037-35, IPA8080, IPA8087  
315 IPA8024, IPA8024-AS1, IPA8024-AS2, IPA8025, IPA8025-2, IPA8025-3,  
IPA8025-4

**WARNING:** This product can expose you to chemicals including **Styrene**, which is known to the State of California to cause cancer. For more information, go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

309 AEM1129, AEM1130, AEM1135, AEM1138

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<b>ENC</b>	<b>Encon Safety Products:</b> 285, 286, 287, 288, 289, 290		
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