35070 **BUTTON CONNECTOR Pliers**
Disconnected Fuel Line, EVAP Line and DEF Fittings with Tabs that Must be Depressed to Disengage.
Works great on Delphi two tab connectors and some import vehicles. Can also be used on some electrical connectors. 23” cable for hard-to-reach connectors is replaceable. Ratcheting pliers lock in place so two hands can be used to separate connectors. Double-dipped grips for comfort.

35070 Button Connector Pliers. Hang Card. Shipping wt. 1 lb. 3 oz.

35080 Cable for Button Pliers

53790 **HARMONIC BALANCER INSTALLER KIT**
Installs Harmonic Balancers or Drive Pulleys that are Pressed on the Crankshaft.
Now includes adapter for Ford 3.5L and 4.0L engines. Set includes driving screw, thrust bearing and 13 threaded adapters necessary to work on a wide range of domestic and some import harmonic balancers. Five long adapters for use on Dodge Hemi, generation III and IV GM motors, some Chrysler. The 1.75” spacer allows the tool to work more effectively on deep harmonic balancers.

53790 Harmonic Balancer Installer Kit. Molded Case. Shipping wt. 5 lb. 8 oz.

52210 Flanged Nut
52230 Driver 52240 Knurled Nut
52250 Spacer
52270 7/16–20 Adapter
52300 1/2–20 Adapter
52330 9/16–18 Adapter
52350 M16x2.0 Adapter
53480 M12x1.5 Adapter
52370 M12x1.75 Nut
53770 M12x1.5 Adapter
53770 M12x1.75 Nut
53770 M12x1.75 Stud

82130 **RADIATOR HOSE SPOON SET, 2 PC.**
Designed to Remove Radiator Hoses from Fittings.
Flat and wide blades reduce the chance of damage when removing. The long blade is used for pulling the hose off, while the short blade is designed for pushing. Handles are dual material for comfort and grip. Heat-treated for strength.

82130 Radiator Hose Spoon Set, 2pc. Skin Pack. Shipping wt. 10 oz.

82140 Radiator Hose Spoon, Short
82150 Radiator Hose Spoon, Long

62970 **FUEL TANK LOCK RING KIT**
A Stout Tool to Remove and Install Fuel Tank Lock Rings without Damage.
New leg set works on many 2004 and newer vehicles including Ford F150, Chevrolet pickups, Chrysler/Dodge mini vans, PT Cruiser, Dakota and Durango. Channel design on body allows 2 interchangeable sets of legs to adjust to fit rings from 4” to 7-1/4” and keeps the drive centered. Works on the smaller GM serrated rings and traditional rings. Design is compact so the tool is not left hanging over the work area with the potential of hitting other components.

62970 Fuel Tank Lock Ring Kit. Box with Color Label. Shipping wt. 2 lb. 2 oz.

62980 Lock Ring Leg, 1 Tab
62990 Lock Ring Leg, 2 Tab
63020 Lock Ring Leg
82600  **CAT III DIGITAL MULTIMETER**
Safely and Accurately Test Electrical Systems. Large, Easy to Read LCD Display with Backlight.

Measures AC/DC voltage/current up to 600V and 10A, capacitance, diode, duty cycle, frequency, resistance, temperature and transistor. Includes 13 Functions and an operating temperature range between -40° to 1000°C. Features manual or auto shutdown after 15 minutes of inactivity, protection against overload at all ranges, data hold, low battery indicator and warning alarm. Also includes a LED flashlight for low light situations. Rubber outer case adds protection against drops and a stand bracket to hold meter at viewing angle and test probe holding clips. Test leads, sensor probe and AAA batteries are included.

82600 Digital Multi Meter CAT III. Graphic Box. Shipping wt. 11 oz.

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33260  **BRAKE FLARING TOOL KIT**
Low Profile Design Allows the Two Most Popular Tubing Sizes to be Flared in Tight Spaces.

Creates single or double flares on 3/16" / 4.75mm and 1/4" tubing. The vise assembly holds tubing centered securely without marring. Depth stop ensures proper tubing length. Holes in vise allow you to see the tubing is properly located. Internal deburring tool included to help make perfect flares.

33260 Double Flaring Tool 3/16” & 1/4”. Molded Case. Shipping wt. 1 lb. 12 oz.
33280 Brake Line Vise, Top
33300 Handle
33290 Brake Line Vise, Bottom
33320 Depth Plug
33330 Forming Die 3/16 & 4.75mm
33340 Grease
33350 Internal Deburring Tool
33370 Case for the 33260
33390 Forming Die 1/4

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13840  **16MM X 1.5 WHEEL STUD PILOT PINS**
16mm x 1.5 Threads to Easily Remove and Install Wheels on Dodge ProMaster with Lug Bolts.

Wheel stud pilot pins allow you to hang the wheel without having to balance the wheel on the small lip of the hub. This helps prevent the wheel from falling and causing damage or injury. Simply insert threaded pins into hub bolt holes to hold the wheel in place while inserting or removing lugs. Fits 2014 and newer Dodge ProMaster with lug bolts.

13840 16mm x 1.5 Wheel Stud Pins, 2pc. Skin Pack. Shipping wt. 8 oz.
13820 16mm x 1.5 Wheel Stud Pin, 1pc.

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57170  **FUEL FILTER PLUG FOR DURAMAX**
Used to Plug the Fuel Filter When Changing Filter on 2004-2016 Chevy Duramax Trucks.

Threads into the filter for a secure seal so the fuel filter can be removed from the tight space without spilling. T-handle makes removal and installation easier. Made of glass filled nylon for strength.

38700 SPINDLE SNAP RING PLIERS FOR FORD SUPER DUTY
Used to Replace the Spindle Snap Rings Found on 2007 and Newer Ford Super Duty Pickups.
Rigid plier design with narrow tips to fit into the 2-1/2” inside diameter of the hub. Ratcheting lock mechanism holds the snap ring open for easy removal and installation.

38700 Spindle Pliers Ford, Skin Packed. Shipping wt. 15 oz.
38710 Straight Tip Set
59330 Screw
67940 Washer

72350 MANIFOLD DRILL TEMPLATE FOR FORD 7.3L DIESEL
Removes Broken Exhaust Manifold Bolts on Ford 7.3L Diesel 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. Drill depth gauge to make sure water jacket is not pierced. The screw extractor is then used to remove the broken bolt. Includes bushing to drill to tap size when extractor cannot be used.

72350 Drill Kit Ford 7.3L. Molded Case. Shipping wt. 2 lb. 15 oz.
68690 Stud Extractor 71530 3/16” Cobalt Drill
71540 17/64” Cobalt Drill 72310 .332 Q Cobalt Drill
72320 3/16” Drill Bushing, Large 72330 17/64” Drill Bushing, Large
72340 .322 Q Drill Bushing, Large 72360 Lock Screw
72370 10mm Tap Guide 72380 Ford 7.3L Drill Plate
72390 Ford 7.3L Drill Depth Gauge 72410 Alignment Bolt
72420 Case for 72350/72400

72400 MANIFOLD DRILL TEMPLATE FOR DURAMAX 6.6L DIESEL
Removes Broken Exhaust Manifold Bolts on Duramax 6.6L Diesel 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. Drill depth gauge to make sure water jacket is not pierced. The screw extractor is then used to remove the broken bolt. Includes bushing to drill to tap size when extractor cannot be used.

72400 Drill Kit GM 6.6L. Molded Case. Shipping wt. 4 lb. 1 oz.
68690 Stud Extractor 71530 3/16” Cobalt Drill
71540 17/64” Cobalt Drill 72310 .332 Q Cobalt Drill
72320 3/16” Drill Bushing, Large 72330 17/64” Drill Bushing, Large
72340 .322 Q Drill Bushing, Large 72360 Lock Screw
72370 10mm Tap Guide 72410 Alignment Bolt
72420 Case for 72350/72400
72430 GM 6.6L Drill Plate
72440 GM 6.6L Drill Depth Gauge
**81450 ADAPT-A-CAP**

Ideal for Servicing Hard-To-Reach Fluids in Automobiles, Motorcycles, Boats, RVs and Ag Equipment.

Eliminates the need for external pumps, hoses or funnels to transfer fluids. Helps prevent spills and messes. Three tapered urethane adapters to fit most standard quart and larger bottles, so the bottle becomes the pump. When the bottle is squeezed, internal bottle pressure forces the fluid up and out of the tube adapter. Includes three angled tubes, two extension tubes and two pick-up tubes.

81450 Adap. Cap., Hang Card. Shipping wt. 5 oz.
81460 Tube Set
81550 Medium Adapter
81560 Small Adapter

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**29450 SHORT PNEUMATIC ANCHOR PIN BUSHING DRIVER**

Includes a 7” Driver for Applications with Limited Access.

Pneumatic bushing driver set removes and installs truck and trailer 1-3/8” anchor pin bushings and stuck anchor pins. Double sided cone snaps onto driver to drive out and install bushings. Use flanged end to install and tapered end to remove. Also removes truck leaf spring bushings.

29450 Anchor Pin Driver. Skin Packed. Shipping wt. 1 lb. 4 oz.
29070 Remover/Installer Cone
29470 Short Pneumatic Driver Assembly

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**31750 MINI HOOK AND PICK SET, 4 PC.**

Works Great for Removing Hoses, Moldings, Clips, Clamps, Seals, O-Rings, Cotter Pins, and Gaskets.

Includes hook pick, straight pick, 90° pick and combination pick. Small enough for maximum versatility in tight and hard-to-reach places. Dual material handles with heat treated tips for durability.

31750 Mini Hook & Pick Set. Skin Packed. Shipping wt. 5 oz.
31770 90 Degree Mini Pick
31780 45 Degree Mini Pick
31810 Awl / Straight Mini Pick
31830 Curved Mini Hook

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**52460 RAZOR BLADE SCRAPER**

Strong, Solid Handle Ideal for Stripping Paint, Caulk, Labels, Overspray, Gasket Material, Urethane and Glue.

No sharpening needed, just replace the blade. Protective cover keeps blade sharp and prevents cuts. Includes one standard single edge blade.

52460 Razor Blade Scraper. Skin Packed. Shipping wt. 3 oz.
**NEW TOOLS**

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**24780 Spill-Free® Funnel, 18 pc.**
Includes New Cap for Ford and Additional Straight Extension.

Clear funnel allows a quick visual check of the coolant from across the shop. Comes with a lid to keep contaminants out as well as store the caps and adapters. Eliminates trapped air pockets which usually cause erratic cooling system and heater performance. It controls the proper amount of coolant entering system and enables unattended filling of the cooling system. The funnel eliminates squeaky belts caused by coolant overflow and protects the environment. Five different colored radiator adapters and six caps to fit most cars, pickups, trucks and many farm tractors. Two straight extensions and two 45° elbows for angled and hard-to-reach applications.

24780 Spill-Free® Funnel, 18 pc. Box with Label. Shipping wt. 1 lb. 3 oz.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24780</td>
<td>Spill-Free® Funnel, 18 pc.</td>
</tr>
<tr>
<td>2210</td>
<td>Funnel</td>
</tr>
<tr>
<td>2220</td>
<td>45° Elbow</td>
</tr>
<tr>
<td>2230</td>
<td>Large Cap A</td>
</tr>
<tr>
<td>2240</td>
<td>Small Cap C</td>
</tr>
<tr>
<td>2250</td>
<td>Blue Adapter E</td>
</tr>
<tr>
<td>2260</td>
<td>Purple Adapter D</td>
</tr>
<tr>
<td>2270</td>
<td>Threaded Cap D for GM</td>
</tr>
<tr>
<td>2280</td>
<td>Threaded Cap F for Ford (NEW)</td>
</tr>
</tbody>
</table>

---

**51150 Plastic Oil Drain Plug Set, 3 pc.**
Safely and Easily Remove Plastic Oil Pan Drain Plugs Found on Many Late Model Audi, BMW, Ford and Volkswagen without Damage to the Plug.

Offset design of the Ford tool to keep technicians hands away from hot fluids. Spring loaded tab securely holds plug keeping it from dropping into the drain pan. The two bits have a 3/8” square drive.

51150 Plastic Oil Drain Plug Set, 3 pc. Skin Packed. Shipping wt. 10 oz.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>51150</td>
<td>Plastic Oil Drain Plug Set, 3 pc.</td>
</tr>
<tr>
<td>51160</td>
<td>BMW Plastic Plug Bit</td>
</tr>
<tr>
<td>51170</td>
<td>VW/Audi Plastic Plug Bit</td>
</tr>
<tr>
<td>51180</td>
<td>Ford Plastic Plug Wrench</td>
</tr>
</tbody>
</table>

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**49490 Locking Tool Holder 24”**
Holds up to 13 Tools, Including Pry Bars, Extensions and Air Tools.

Four 3/8” slots, one 7/16” slot, four 1/2” slots, two 5/8” slots and two 3/4” slots. Locking feature secures tools to the toolbox without taking valuable drawer space. Slotted mounting holes to fit most tool boxes and carts. Lock not included.

49490 Locking Tool Holder 24”. Box with Label. Shipping wt. 2 lbs. 10 oz.

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Patent Pending
19912 **MULTI-APPLICATION OIL FUNNEL, 14 PC.**
Includes Two New Adapters for Volvo and Chrysler/Dodge/Jeep.
Helps eliminate oil spills when refilling crankcases, especially those with baffle valve covers. The 1.6 qt. translucent funnel comes with 14 different color-coded adapters and a 45° elbow to work on many applications and save valuable storage space. Adapter holders keep adapters organized in toolbox or on pegboard. Use spout only as a standard funnel. The adapters fit crankcases securely. Tethered lid and cap keep the funnel clean.

19912 Multi-Application Oil Funnel, 12 pc. Box with label. Shipping wt. 2 lbs. 1 oz.
18832 Funnel Body, Gray 19352 GM/Ford Adapter w/ O-Ring, Black
19362 Ford/Mazda Adapter w/ O-Ring, Blue 19372 Toyota/Lexus Adapter w/ Gasket, Yellow
19382 Honda/Acura/Nissan Adapter w/ Gasket, Green
19392 VW/Audi Adapter w/ Gasket, Maroon 19402 Chrysler Adapter w/ O-Ring, Purple
19412 Toyota/Lexus Adapter w/ Gasket, Orange
19452 Subaru Adapter w/ Gasket, Neon Red 19472 GM Adapter w/ Gasket, Teal
19482 Audi/VW Adapter w/ Gasket, Tan
19492 Hyundai/KIA Adapter w/ Gasket, Royal Blue
19422 Straight Adapter, Clear 19432 Elbow 45 Degree, Black
19442 Tethered Lid, Red 19532 Tethered Spout Cap, Red
19502 Chrysler Adapter w/ Gasket, Mid Gray 19512 Jeep/Chrysler Adapter, Gold (NEW)
19522 Volvo Adapter, Light Green (NEW) 19632 Adapter Holder Inserts 5 pc.
19672 Adapter Holder Inserts 5 pc.

U.S. Pat. No. 10,450,180, D803045, D803046, D803048, D803047, D804945, D803049, D803050, D828751, D828752, D861053

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67500 **67600 SMALL & MEDIUM HOSE PINCHERS**
Features a Mechanism for Clamping without Springs or Any Manual Adjustments.
The 5-1/2" small hose pinchers clamp down on coolant, fuel and vacuum lines up to 3/4" O.D. Can be useful in hard-to-reach areas and to clamp on smaller hoses or lines. The 9-1/4" medium hose pinchers squeeze radiator and heater hoses shut and clamp down on lines up to 1-1/4" O.D.

67500 Small Hose Pinchers. Skin Packed. Shipping wt. 3 oz.
67600 Medium Hose Pinchers. Skin Packed. Shipping wt. 13 oz.

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35300 **V-GROOVE CLIP REMOVER**
Narrow Tip with V Groove for Removing Plastic Clips Used on Upholstery, Door Panels, Radiator Shrouds, Fender Liners and Weather Stripping.
The tool is equipped with a sliding urethane bumper for use when extra leverage is necessary. Also use the bumper to protect the vehicle surface.

35300 V-Groove Clip Remover, Skin Packed. Shipping wt. 4 oz.

U.S. Pat. No. 6,663,082

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⚠️ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
## New Tools

### 58100 Inner Tie Rod Tool Set, 12 pc.
Improved Socket Design to Work on Longer Applications.
The long socket slips over tie rod end and crowfoot engages on socket for easy removal and installation of tie rods with inaccessible wrench flats. Includes 12 crowfeet, sizes 1-3/16", 1-1/4", 1-3/8", 1-1/2", 1-5/16", 1-7/16", 29mm, 32.5mm, 33.6mm, 38.4mm, 40mm and 42mm, to fit many cars, trucks and SUVs.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>58100</td>
<td>Inner Tie Rod Tool Set 12pc. M molded Case. Shipping wt. 7 lbs. 2 oz.</td>
<td></td>
</tr>
<tr>
<td>54490</td>
<td>40mm Crowfoot</td>
<td></td>
</tr>
<tr>
<td>54570</td>
<td>1-7/16&quot; Crowfoot</td>
<td></td>
</tr>
<tr>
<td>58101</td>
<td>1-3/16&quot; Crowfoot</td>
<td></td>
</tr>
<tr>
<td>58050</td>
<td>1-3/8&quot; Crowfoot</td>
<td></td>
</tr>
<tr>
<td>58090</td>
<td>32.5mm Crowfoot</td>
<td></td>
</tr>
</tbody>
</table>

### 21350 Jeeper’s Keeper™ Creeper Hanger
Can be Attached to Most Toolboxes, Benches or Walls, Keeping a Creeper Off the Floor and Stored in One Location.

ABS plastic hooks mount anywhere on the 24” wide rail to accommodate different types of plastic or metal creepers. Two 5” slots line up with toolbox or cart handle mounting holes and allow mounting from 14” to 23”.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>21350</td>
<td>Creeper Hanger. Label. Shipping wt. 1 lb. 3 oz.</td>
<td></td>
</tr>
<tr>
<td>21380</td>
<td>Hanger Rail</td>
<td>21390 Hanger, 1 pc.</td>
</tr>
</tbody>
</table>

### 72450 Manifold Drill Template for Ford 6.2L
Removes Broken Exhaust Manifold Bolts Without Damaging the 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. Drill depth gauge to make sure water jacket is not pierced. The screw extractor is then used to remove the broken bolt. Includes bushing to drill to tap size when extractor cannot be used.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>QTY</th>
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<tbody>
<tr>
<td>72450</td>
<td>Drill Kit Ford 6.2L. M molded Case. Shipping wt. 4 lb. 12 oz.</td>
<td></td>
</tr>
<tr>
<td>66890</td>
<td>Stud Extractor</td>
<td></td>
</tr>
<tr>
<td>71540</td>
<td>3/16&quot; Cobalt Drill</td>
<td></td>
</tr>
<tr>
<td>72320</td>
<td>.316&quot; Drill Bushing, Large</td>
<td></td>
</tr>
<tr>
<td>72340</td>
<td>.32 Q Drill Bushing, Large</td>
<td></td>
</tr>
<tr>
<td>72370</td>
<td>10mm Tap Guide</td>
<td></td>
</tr>
<tr>
<td>72470</td>
<td>Drill Depth Gauge for Ford 6.2L</td>
<td></td>
</tr>
<tr>
<td>72490</td>
<td>Alignment Nut 10mm x 1.25, 1 pc.</td>
<td></td>
</tr>
</tbody>
</table>

### 42870 42880 Plastic Clip Removal Pliers, 45° & 80°
45 and 80 Degree Angled Tips for Easy Removal of Plastic Push Pin Type Panel Fasteners with Center Pins.

Fits into recessed pin locations found on some vehicles. Also works on traditional clips. Integrated spring makes tool easier to use. Built-in cutter allows technician to cut off fastener head. Also used to remove ATO, Micro, Mini Blade, Maxi and Pal type automotive fuses from panel.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>42870</td>
<td>Clip Pliers 45 Degree. Skin Packed. Shipping wt. 8 oz.</td>
<td></td>
</tr>
<tr>
<td>42880</td>
<td>Clip Pliers 80 Degree. Skin Packed. Shipping wt. 8 oz.</td>
<td></td>
</tr>
</tbody>
</table>
**55230 Clic® & Clic-R® Clamp Pliers**

Designed to Easily Remove and Install Clic® and Clic-R® Hose Clamps Found on Many European Vehicles.

Durable forged construction and dual material grips for comfort. Double-sided tool for removing and installing clamps without damage so they can be reused. Integrated spring makes tool easier to use. Arrows on tool indicate proper use.

55230 Clic-R® Clamp Pliers. Skin Packed. Shipping wt. 10 oz.

[Clic® and Clic-R® are trademarks of CAILAU](#)

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**69940 Trim Removal Set, 5 pc.**

Strong and Impact Resistant when Used to Pry Against Trim or Metal Body Panels.

Used for all types of trim removal including side molding, window trim, door handle trim, grill trim and bumper moldings. Made of glass reinforced nylon. Neon orange for visibility.

69940 Trim Removal Set 5pc. Box with Color Label. Shipping wt. 14 oz.

69950 Wide Trim Remover 69960 Pull Type Trim Remover

69970 Handy Trim Remover 69980 Narrow Trim Remover

69990 Upholstery Clip Remover

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**42890 42900 U-Joint Pullers, Small & Medium**

Quickly and Easily Removes Sealed U-Joint Caps without Damage to Driveshafts, Yokes or Bearing Caps.

Two sizes to work on many cars, trucks and ag equipment. Heat-treated threads and casting for durability. 42890 works on cars, light-duty trucks and ag equipment with 1" to 1.25" bearing caps. 42900 works on cars, medium-duty trucks, ag equipment and light industrial vehicles with 1.25" to 1.7" bearing caps.

42890 Small U-Joint Puller. Box with Color Label. Shipping wt. 3 lbs. 4 oz.

42900 Medium U-Joint Puller. Box with Color Label. Shipping wt. 4 lbs. 14 oz.

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**60400 Mirror Removal Wrench**

Easily Removes Mirrors Held on By Spring Clip Without Damage to the Windshield or Mirror.

Simply insert the tip of the tool under the mirror where it attaches to the windshield. Push the tool towards the glass and down to release mirror from bracket. Coating on bend helps protect windshield.

60400 Mirror Removal Tool. Skin Packed. Shipping wt. 4 oz.

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**28620 Circuit Tester with Buzzer**

Heavy-Duty Tester Signals with a Light and a Buzzer.

Tests low voltage up to 28 volts. Spring loaded hook can be removed to use the probe tip only. Can also be used to check polarity and battery drain.

28620 Circuit Tester with Buzzer. Skin Packed. Shipping wt. 10 oz.