

TIRE AND WHEEL: GENERAL SERVICE TOOLS



Seal Tools

S6129 Seal Puller

- Designed to pull the wheel bearing or other small seals
- 7" long
- Industrial finish

SRT1 Seal Removal Tool

- Saves time and labor by eliminating prying against the bearings or driving out seals
- Grabs the seal only, leaving bearings undamaged
- Seals remain intact, allowing for complete failure analysis
- Wedges and a long handle provide exceptional leverage
- Heavy-duty construction for long life and dependability
- Works with steering, drive and trailer wheel seals on the largest heavy-duty wheels

YA105 Seal Puller (Blue-Point®)

- For removing rubber seals
- Two tips are designed to reach in and fit nearly all seal applications
- 12-5/8" long



BF620C



BF623



BDBMP24

Mallets

BF620C Rubber Head 11" Mallet (Blue-Point®)

- Solid-rubber head is 3-3/4" long, 2-1/4" dia
- 11" hardwood handle

BF623 Soft Blow 12-1/2" Mallet (Blue-Point®)

- Designed to reduce marring and denting
- For use in assembly applications and on all types of surfaces, including metal, glass, plastic and wood
- Special polymer head resists dynamic fatigue, creep and compression set, even at extreme temperatures
- Conforms to irregular surfaces
- Dissipates hand-jarring shock
- Resists most chemicals
- Wood handle

BDBMP24 10-1/4" Soft Blow Mallet (Blue-Point®)

- Engineered, dual-zone rubber head allows mallet to compress and dissipate force
- Non-marring material reduces damage to delicate surfaces and components
- Greater shock absorption and control compared to standard rubber mallets
- Non-slip handle with steel shaft is angled 15° to protect hand from accidental contact
- Resistant to common shop chemicals and fluids



AXS6L

AXS45L



AXS2PK

Axle Spinners

AXS6L¹ 3/8" Drive 6 Lug Axle Spinner Kit**AXS45L¹ 3/8" Drive 4 and 5 Lug Axle Spinner Kit****AXS2PK² 2 pc 3/8" Drive Master Axle Spinner Kit**

- Aids in freeing stuck or rusted lugs on brake drums and rotors allowing technicians to inspect bearings, drive axles, CV joints and brake calipers
- Universal design allows use on standard and metric 4, 5 and 6 lug patterns
- 3/8" drive allows for use with ratchet, breaker bar or speeder
- Made in USA of high alloy steel
- Set includes AXS45L (4- and 5-pin plate) and AXS6L (6-pin plate)

WHEEL ALIGNMENT: BALL JOINT

UNDERCARR

Ball Joint Presses

| Stock No. | Description | I.D.-O.D., inches | Length, inches | Set Contains: | | | |
|--------------|---------------------------------------|---|----------------|---------------|----------|---------|-----------|
| | | | | BJP1 | BJP1-BKS | BJP1OPT | BJP1-HCBS |
| BJP1-1A | Sleeve Adaptor | 1-9/32-1-21/32 | 2-1/8 | * | | | |
| BJP1-2A | Pressure Screw | — | 6-3/4 | * | | | |
| BJP1-3A | Pressure Pad (Ball Joint) | N/A-1-19/32 | 3-3/16 | * | | | |
| BJP1-4A | Pressure Pad | N/A-7/8 | 3-3/16 | * | | | |
| BJP1-5A | Adaptor | 29/32-1-11/32 | 1-13/16 | * | | | |
| BJP1-6A | Adaptor/Extension | 1-1/4-1-21/32 | 2-1/8 | * | | | |
| BJP1-7A | Adaptor | 1-11/16-1-29/32 | 1-1/8 | * | | | |
| BJP1-8A | Adaptor | 1-25/32-2 | 1.00 | * | | | |
| BJP1-9A* | Adaptor | 1-27/32-2 | 1-1/4 | * | | | |
| BJP1-10A | Adaptor | 2-11/32-2-21/32, Front Face Angled 4-1/2° | 2-1/8 | * | | | |
| BJP1-11A | Adaptor | 2-2-1/4 | 2-1/8 | * | | | |
| BJP1-12A | Adaptor | 2-1/4-2-1/2 | 2-3/4 | * | | | |
| BJP1-13B | Adaptor | 2.425-2.750 | 2.4 | * | | | |
| BJP1-14A | Adaptor | 2-15/16-2-15/16 | 2-3/4 | * | | | |
| BJP1-16A | Adaptor | 2-1/4-2-1/2 | 1-1/8 | * | | | |
| BJP1-17 | Grease Filling | 2-1/4-2-1/2 | 1-1/8 | * | | | |
| BJP1-18A | Dodge/Mercedes® Sprinter® Van Adaptor | 1.250-2.750 | 2.49 | | | | |
| BJP1-22A | Honda/Acura® Adaptor | 1.760-1.835 | 1.765 | | * | | |
| BJP1-24A | Honda/Acura® Adaptor | 1.960-2.250 | 1.943 | | * | | |
| BJP1-25B | Ford® F-450/F-550® Ball Joint Adaptor | 2.800-3.100 | 3.76 | | * | | |
| BJP1-26A | Dodge® U-Joint Adaptor | 1.500-2.000 | 1.98 | | * | | |
| BJP1-27A | Ford® Explorer® Lower Removal Adaptor | 2.880-2.890 | 2.325 | | * | | |
| BJP1-28B | Dodge® Ball Joint Adaptor | 2.220-2.450 | 2.889 | | | | |
| BJP1-29A | Honda/Acura® Ball Joint Adaptor | 2.650-2.850 | 1.96 | | | | |
| BJP1-33A | Transit® Connect Remover Cup | 2.607-2.760 | 2.15 | | | | |
| BJP1-34A | Transit® Connect Remover Cup | N/A-890 | 2.425 | | | | |
| BJP1-35A | Transit® Connect Install Cup | 1.84-2.12 | 2.23 | | | | |
| BJP1-36A | BMW® Adaptor | 2.010-2.250 | 2.10 | | | | |
| BJP1-37A | BMW® Adaptor | 2.250-2.500 | 2.75 | | | | |
| BJP1-38A | RAM® HD Adaptor | 1.250-2.610 | 0.9 | | | | |
| BJP1-39A | RAM® HD Adaptor Cup | 2.800-3.100 | 2.9 | | | | |
| BJP1-42A | Subaru® Bushing Cup Receiver for BJP1 | 2.40-2.85 | 1.60 | * | * | | |
| BJP1-43A | Subaru® Bushing Cup Ram for BJP1 | 2.05-2.33 | 1.40 | * | * | | |
| BJP1-44A | Subaru® Bushing Disc for BJP1 | 1.25-2.76 | 3/4 (19) | | | 2 | |
| BJP1-46A | Adaptor Large Receiver | 3.000-3.375 | 2.75 | | | | * |
| BJP1-47A | Adaptor Large Driver | 2.500-2.875 | 1.375 | | | | * |
| BJP1-48A | Adaptor Small Driver | 2.170-2.530 | 1.375 | | | | * |
| BJP1-49A | Adaptor X-Large Receiver | 3.250-3.625 | 2.750 | | | | * |
| BJP1-50A | Adaptor X-Large Driver | 2.750-3.100 | 1.375 | | | | * |
| BJP1-A1310SB | Adaptor (BJP1 to A1310B Series) | N/A-875 | 2.95 | | | | |

*Front face is angled 4.5°



BJP1-18A



BJP1-22A



BJP1-29A



BJP1-33A



BJP1-34A



BJP1-35A



BJP1-39A



BJP1-44A



BJP1-13B



BJP1-25B



BJP1-28B

Ball Joint Presses

ME7A207 Retaining Ring

- Retaining ring included in the BJP1 and UJP1 sets

ME9A34 Steel Ball

- Steel ball included in the BJP1 and UJP1 sets

ME7A208A Large Snap Ring

- Large snap ring included in the BJP1 and UJP1 sets

ME7A209A Small Snap Ring

- Small snap ring included in the BJP1 and UJP1 sets



† These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-49 for details. • Read Safety Precautions on pages W1-W1.

WHEEL ALIGNMENT: BALL JOINT



Ball Joint/Tie Rod Separators

| Stock No. | Jaw Opening, inches | Overall Length, inches |
|-----------|---------------------|------------------------|
| A200 | 13/16 | 18 |
| A201 | 1 | 12 |
| A203 | 1-1/4 | 12 |
| A204 | 5/8 | 12 |



BJP1



BJP1BMW1



BJP1FORDTC



BJP1HONDA



BJP1RAM1

Ball Joint Presses

BJP1 22 pc Master Ball Joint/Universal Joint Press Set

- Services domestic and foreign vehicle applications with press-in ball joints
- Applications cover more than 315 individual vehicle models* up to 2022; more than 680 individual ball joints**
- 14 additional adaptors available to increase coverage by 30 models and over 100 unique ball joints
- Eight additional adaptors available to service lower control arm compliance bushings on Subaru® and Honda®/Acura® applications
- Additional adaptor for specially designed for Dodge® U-joints available
- Removes and installs ball joints with straight grease fittings installed
- Forged C-frame with large throat and vise mount capability for U-joint applications
- Snap-ring retention locks the adaptors to the frame while maneuvering tool
- Grease zerk fitting in frame for ease of lubricating pressure screw
- Includes a 40+ page application chart covering applications with and without press-in ball joints
- Delivered in a blow-molded storage/carrying case

*Vehicle model defined as a single model name across all years produced—e.g. the Ford® F-150® is a single model

**Individual ball joints defined as each upper, lower, trackbar or other ball joints the kit serviced across all years and models—e.g. it counts the various, ball joints serviced in the span of years the Ford® F-150® has been produced

BJP1BMW1 BMW® Ball Joint Remover/Installer

- Applications: 1992–1999 BMW® 3 Series®, 1996–2001 BMW® Z3®
- Manufactured from special steel with higher alloy content
- Industrial finish helps protect against corrosion
- Includes BJP1-36A and BJP1-37A
- Removes stubborn ball joints with greater efficiency for increased productivity

BJP1F Press Frame

- 7-13/16" throat opening; 3-1/2" depth; 6" height; 10-13/16" length

BJP1FORDTC 3 pc Bjp1 Ford® Transit Connect® Set

- Used to service lower ball joints on 2010–2013 Ford® Transit Connect® vehicles
- Unique adaptors fit on complex knuckle geometry
- Manufactured from superior alloy steel and heat-treated for optimum strength and durability
- Designed to be used in conjunction with the Snap-on® BJP1 Kit
- Industrial finish helps protect against corrosion
- Set includes BJP1-33A, BJP1-34A and BJP1-35A
- Easily removes stubborn ball joints for increased productivity

BJP1HONDA Honda® Adaptor Set

- Used to remove and install upper and lower ball joints on many Honda® and Acura® vehicles; must be used with BJP1 Master Ball Joint/Universal joint Press Set
- Includes BJP1-22 and BJP1-24 Ball Joint Adaptors, plus (2) ME7A208 O-rings

BJP1RAM1 Dodge®/Ram® Adaptor Set

- Applications: 2006–2014 Dodge® Ram® 4500/5500 Heavy-Duty vehicles
- Unique adaptors fit on complex knuckle geometry
- Manufactured from superior alloy steel and heat-treated for optimum strength and durability
- Designed to be used in conjunction with the Snap-on® BJP1 kit
- Industrial finish helps protect against corrosion
- Set includes BJP1-38A and BJP1-39A
- Easily removes stubborn ball joints for increased productivity

RKBJP 15 pc Ball Joint/Universal Joint Press Repair Kit

- Includes (1) grease fitting, (1) retaining ring, (1) large snap rings, (1) small snap ring and (1) steel ball

WHEEL ALIGNMENT: BALL JOINT



Ball Joint Sockets/Adaptors

S9365B Ball Joint Socket

- For medium-size Chrysler® cars
- 3/4" square drive
- 1-59/64" wrench size; 2" long

S9479A Ball Joint Socket

- For Dodge®/Chrysler® pickups and vans
- 3/4" square drive
- Wrench size is 2-9/64", length is 2"

S9613 Ball Joint Socket

- For use on 4-5B axles found on Dodge®, Ford®, Chevrolet®, GMC® and International® 4-wheel drive trucks
- Adjusts the sleeve in the top of the yoke on the front suspension
- 1/2" square drive, 1" O.D.; 2-1/8" long

BJR1 Ball Joint Socket for Subaru® Vehicles

- Easily removes stubborn ball joints on Subaru® 2003–2006 Baja®, 1998–2010 Forester®, 1993–2010 Impreza®, 1990–2010 Legacy and 2000–2010 Outback® models
- Stay safe dealing with low clearance and heavy corrosion
- Beat the flat rate by doing the job faster and with less effort

BJR2 Ball Joint Socket for Subaru® Vehicles

- Faster, safer ball joint removal for Subaru® vehicles
- Easily removes stubborn ball joints for increased productivity
- 3/4" hex on the pressure screw can be driven by hand or with an impact gun
- Industrial finish helps protect against corrosion
- For use on 2006–2012 Subaru® Tribeca® vehicles

IMDM410 1/2" Drive 12-Point Metric 41 mm Flank Drive® Shallow Impact Socket

- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Snap-on uses a proprietary blend of special alloy socket steel that provides long life and great strength
- Flank Drive® wrenching system delivers up to 20% more turning power without slipping or rounding while exceeding ANSI® performance standards
- Applications include removal and installation of lower ball joint on 2013 current BMW® 5 Series® and 7 Series® vehicles
- 41 mm, 12-point, 1/2" drive

S7101 3/8" Drive 1-1/4" Ball Joint Nut Adaptor

- For torquing upper ball joint nut on most 2015 and newer Mercedes-Benz® models with double wishbone suspensions
- Low-profile, double-hex torque adaptor for 1-1/4" (31.75 mm) nuts
- 3/8" square drive
- Countersink/Chamfer eliminated for maximum engagement with nut
- Designed to be used with hand tools, heat-treated steel for optimum strength

S7160 3/4" Drive Metric 60 mm Upper Ball Joint Socket

- 60 mm single hex, 3/4" drive to achieve proper torque rating
- Allows use without removal of grease zerk
- Industrial finish helps protect against corrosion

SERVICE TOOLS

Emergency Brake

SIML160 1/2" Drive 6-Point SAE 1/2" Flank Drive® Extra-Deep Impact Socket

- Used to remove or replace fuel tank retaining strap nuts
- Other applications include emergency brake adjustment nuts and stabilizer retainers
- 1/2" square drive; 1/2"; 6-point hex opening
- 5" long

SIML180 1/2" Drive 6-Point SAE 9/16" Flank Drive® Extra-Deep Impact Socket

- Same design as SIML160, except hex size is 9/16"



General Service Tools

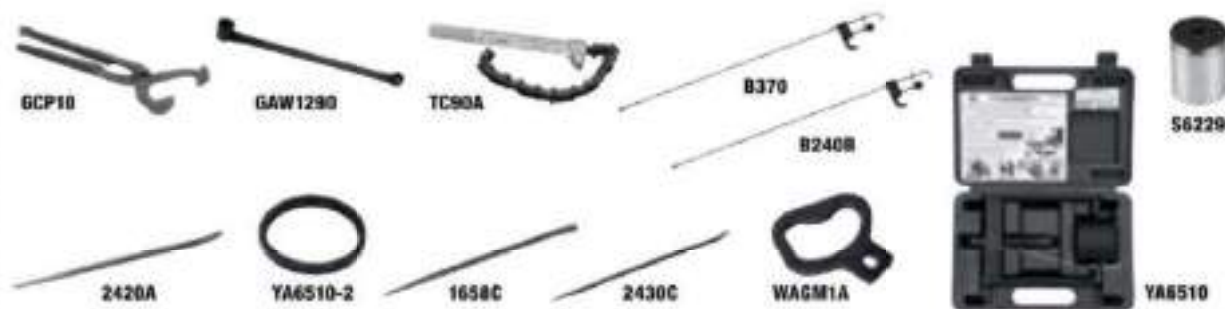
YA7970 Hub Clamp Expander (Blue-Point®)

- Designed for hubs, and clamping-style struts and ball joint mounts
- Allows easy removal and installation of struts and ball joints
- Interchangeable spreaders prevent damage to aluminum or cast iron hubs
- Adjustable for use on hubs with a centralized or non-centralized slot
- Allows for on-vehicle repair



- Do not strike end of a shipped or mesh roomed.
- Strikes squarely, avoid glancing blows.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

WHEEL ALIGNMENT: SERVICE TOOLS



General Service Tools

GCP10¹ Grease and Dust Cap Tool

- Tapered jaws of the tool fit behind the crimped edge of the grease cap
- One handle is designed for prying hub caps loose

GAW1290² Wheel Alignment Wrench

- 18-1/2" long for extra leverage
- 21 mm 12-point with special angle and bidirectional offset to access difficult-to-reach bolts
- 24 mm 12-point deep offset for access to guarded bolt heads without the sloppiness of a breaker bar and socket
- 24 mm 12-point deep offset for access to 12-point bolt heads with access to the lock nuts through the socket
- Used on alignment bolts for Audi[®], VW[®], Porsche[®], BMW[®] and MINI[®] vehicles

TC90A² Tailpipe Cutter (Blue-Point[®])

- Handles cutting from 3/4–3-1/2" dia
- 16-link cutter chain is 12" long
- Threaded shaft with crosspiece provides elasticity to help prevent the chain wheels from breaking
- Ideal for cutting the strut assembly to enable servicing of the strut cartridge

TC90A1² Chain Assembly (Blue-Point[®])

- Includes one wheel and one roll pin

B370² Throttle Depressor

- Attach to steering wheel to depress gas pedal
- Innovative design allows for easier fine tuning of the RPMs for cylinder balancing, tune-ups and more
- Fine tuning is done with slide knob to reduce the walking of the rod
- Made in the USA

B240B Brake and Accelerator Pedal Jack (Blue-Point[®])

- Holds throttle at a constant RPM
- Easily adjusts to desired length
- Adjustment screw fine-tunes desired RPM
- Rubber tip keeps the tool firmly positioned
- Overall length of 40" (102 cm)
- Can also be used as a pedal depressor

2420A 20" Pinch Prybar (Blue-Point[®])

- Pinch prybars are used to align, adjust and move material, angled chisel end for extra leverage when prying
- Pinch prybar has a tapered point on one end and a chisel type edge on the other end
- 15/16" edge, 3/4" stock, 20" overall length

YA6510² Bushing Extractor (Blue-Point[®])

- Used on 1994–2001 Acura[®] Integra[®], plus various 1988–2001 Honda[®] vehicles

YA6510-2² Bushing Extractor Adaptor (Blue-Point[®])

- Enables the YA6510 Bushing Extractor to be used on 1990–1993 Integra[®] vehicles

1658C 16" Pinch Prybar (Blue-Point[®])

- Pinch prybars are used to align, adjust and move metal and wood, angled chisel end for extra leverage when prying
- Pinch prybar has a tapered point on one end and a chisel type edge on the other end
- 5/8" edge, 1/2" stock, 16" overall length

2430C 30" Pinch Bar Prybar (Blue-Point[®])

- Tapered point on one end and a chisel type edge on the other
- 7/8" edge, 7/8" stock, 38" overall length

WAGM1A Alignment Tool for GM[®] Vehicles

- Updated drive location allows for increased access away from the vehicle's frame
- 1/2" square drive allows for better leverage
- Robust design and rugged construction for better engagement on the alignment cam

S6229 Steering Rack Spanner Socket

- Allows the steering rack to remain in the vehicle for repairs without using a screwdriver and hammer
- Removes and installs the cylinder end stopper on 2004–2009 Lexus[®] RX330 and RX350[®] vehicles and 2004–2007 Toyota[®] Highlander[®] vehicles
- 3/8" drive and designed specifically for this application; will not mar or damage the cylinder
- Manufactured from special-alloy steel and heat-treated for optimum strength and durability
- Tool is industrial finish but is not impact rated, as it is for hand tool use only

SHOCK ABSORBER

Shock Absorber Sockets



A137

| Stock No. | Square Drive, inches | Length, inches | Wrench Oval Diameter, inches | Wrench Oval Width, inches |
|-----------|----------------------|----------------|------------------------------|---------------------------|
| A137 | 3/8 | 29/32 | 5/16 | 15/64 |
| A138 | 3/8 | 29/32 | 21/64 | 15/64 |
| A139 | 3/8 | 29/32 | 5/16 | 1/4 |



CC6630



OEXLM17B



OEXLM18B



OEXLM19B

Caster/Camber Tools

Metric combination wrenches. Long handle design for access.

CC6630² Caster/Camber Alignment Tool

- Eliminates the need to use the front 21 mm eccentric bolt, which is difficult to access behind a steel shield
- Hook tool on the top A arm and, with locking nut loosened, push or pull for easy caster and camber adjustment
- Saves about 15 minutes per side

OEXLM17B 17 mm 12-Point Metric Flank Drive[®] Long Combination Wrench

- A continuous arc design distributes stress over the entire wrench opening radius for greater strength
- Forged steel and heat treat hardness provides a superior wrench with the proper strength and durability while reducing wear and breakage
- 7.5° offset broaching allows the user to flip the box end over to obtain a more advantageous grip on a fastener for restricted clearance areas

OEXLM18B 18 mm 12-Point Metric Flank Drive[®] Long Combination Wrench

OEXLM19B 19 mm 12-Point Metric Flank Drive[®] Long Combination Wrench

WHEEL ALIGNMENT: TIE ROD



WA12A



WA13A



WA16



WA17



WW500



WW600



YA2218



YA2222



YA2223



YA2224

Tie Rod Adjusting Tools

WA12A Tie Rod Adjusting Tool

- For large cars and light trucks
- 1/2" square drive; 3-3/4" long

WA13A 1/2" Square Drive Tie Rod Adjusting Tool

- For compact and medium cars
- 3-3/4" long

WA16 1/2" Square Drive Tie Rod Adjusting Tool

- For large trucks
- 4-7/64" long

WA17 1/2" Square Drive Tie Rod Adjusting Tool

- Designed to permit 360° rotation of the adjusting sleeve, even in tight quarters
- Used on 1-7/8" sleeves on full-size 3/4- and 1-ton pickups, including Ford[®] Super-Duty[®]
- For use with a 1/2" square drive ratchet or breaker bar
- Chrome finish
- 4-3/4" long

WW500 Rack Wrench (Blue-Point[®])

- Used on steering racks to service the inner tie rod ends
- Fits the rack end with a hex drive, a round with two drive flats or a round with no drive flats
- Universal fit from 33–41 mm (1-15/16–1-9/16")
- Hex sizes from 31–35 mm (1-1/4–1-3/8") and 19 mm (3/4") hex drive
- Clamp force increases as load is applied

WW600 Heavy-Duty Rack Wrench (Blue-Point[®])

- New larger size provides added coverage for domestic and import trucks and SUVs
- Suits multiple rack ends and sizes (hex drive, round with two flats, round with no flats)
- Fixed position rings provide added strength
- Patented cam design increases force as load is applied
- Universal design suits rack end diameters from 1-1/2–1-7/8" (38–46 mm)
- Used on vehicles with limited access to avoid the need to remove the rack assembly
- Expands upon the already available WW500, which does 33–41 mm (1-5/16–1-9/16") tie rods

YA2218¹ Tie Rod Adjusting Wrench

- For US and import vehicles with rack-and-pinion steering using tie rods or 17.0–18.5 mm hex gripping section
- Spring-loaded jaws and comfort-grip handle

YA2222¹ Tie Rod Adjusting Wrench (Blue-Point[®])

- For US and import vehicles with rack-and-pinion steering using tie rods with knurled or 12 mm hex gripping sections
- Spring-loaded jaws and comfort-grip handle
- 10-1/2" long

YA2223¹ Tie Rod Adjusting Wrench

- For rack-and-pinion steering using 14–15.5 mm tie rods
- Spring-loaded jaws and comfort-grip handle
- Applications include 1995–later Dodge[®] Dakota[®] and Caravan[®], 1998–later Dodge[®] Durango[®], Dodge[®] Viper[®] and most 1999–later GM[®] 1/2-, 3/4- and 1-ton trucks

YA2224¹ Tie Rod Adjusting Wrench (Blue-Point[®])

- Similar in design to the YA2222 but for 10.5–12 mm diameter tie rods, such as those found on Ford[®] Escort, GM[®] Geo, and smaller Nissan[®] vehicles with rack-and-pinion steering
- Spring-loaded jaws and comfort-grip handles
- 9-1/2" long



• Do not use "cheater bars" on any bars.
 • Do not use chains or industrial finish hand tools with power drivers or impact drivers.
 • These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P5 for details.
 • Read Safety Precautions on pages W1–W4.

WHEEL ALIGNMENT: TIE ROD



YA3000E



WA14A



WA15



WA800



ITRS22

Tie Rod Removal/Installation Tools

YA3000E Inner Tie Rod Tool (Blue-Point®)

- Newly designed tube is both longer and has a larger opening to accommodate some light truck and SUV applications
- Includes the most complete selection of crowfoot adaptors in 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2", 29, 32.5, 33.6, 38.4, 40 and 42 mm sizes
- Crowfoot adaptors are placed on the hex of tie rod to engage the crowfoot for removal or installation of the tie rod without removing the rack
- Works on inner tie rods with inaccessible wrench flats

WA14A Tie Rod End Socket

- For removing tie rod ends
- U-shaped opening measures 1-3/8 x 3/4"
- For use with 1/2" square drive handles
- 1-15/16" I.D.; 2-1/4" long
- Fits most cars and some trucks

WA15 Tie Rod End Socket

- Similar to WA14A
- For tie rod servicing on most trucks in the Class 2-6 range
- U-shaped opening measures 1-7/8 x 15/16"
- For use with 1/2" square drive handles
- 2-1/2" ID, 2-7/8" long

WA800 Heavy-Duty Truck Tie Rod Socket (Blue-Point®)

- For use on most Class 7 and 8 heavy-duty trucks with 9,000-20,000 lb axles
- U-shaped slot measures 1-7/8 x 1-1/2"
- 3" inside dia.; 3-1/2" overall length

ITRS22 Tie Rod Bushing Socket

- Used to access the inner tie rod bushings on Chrysler® LHS®/Concorde and Dodge® 300M/Intrepid® featuring the LH body style
- Low-profile design provides easy access to remove or install the 7/8" or 22 mm hex head bolts that attach the inner tie rod bushing to the rack-and-pinion assembly
- A conventional socket cannot be used in this application

STRUT



MSC1



MSC2



MSCS1000



WA92

MacPherson/Coil Spring Compressors

MSC1¹ Master MacPherson Strut Tool (Blue-Point®)

- Designed to quickly and easily compress most MacPherson strut springs
- Compresses up to 5/8" coil diameter
- Broad spring contact for stable compression
- ACME threaded rod and built-in detent latches to help lock the coil in place
- Forged construction for strength and durability

MSC2² Coil Spring Compressor (Blue-Point®)

- Removes and installs coil springs quickly and safely
- Compresses coil springs on all passenger cars and pickup trucks
- Features an ACME threaded rod
- Includes an instructional card

MSCS1000¹ Master Spring Compressor Set (Blue-Point®)

- Includes MSC1 and MSC2 in a storage case

WA92 Coil Spring Compressor

- Holds the coil spring at the desired tension for removal of other parts
- 11" screw
- Liberally lubricate threads with anti-seize compound



WA7500



SSV1



SSV1-1



SSV1-2

Strut Tools

WA7500 Strut Cartridge Tool for GM® Vehicles (Blue-Point®)

- Replaces strut cartridge through the body shock tower on GM® 10 Series (W Car) vehicles
- Applications include 1988-later Pontiac® Grand Prix®; Oldsmobile Cutlass; Buick® Regal®; 1989-later Chevrolet® Lumina

Strut Sockets

SSV1 2 pc 1/2" Drive Strut Socket Kit

- Used to remove and install strut nuts on various Volvo® models
- Manufactured from special steel with a higher alloy content
- Industrial finish helps protect against corrosion
- Precision machined and heat-treated for optimum strength and durability
- Includes SSV1-1 and SSV1-2 Strut Sockets

SSV1-1 1/2" Drive Volvo® Strut Socket

- For use with SSV1-2 to remove and install strut nuts on various Volvo® models

SSV1-2 1" Hex Drive Volvo® Strut Socket

- For use with SSV1-1 to remove and install strut nuts on various Volvo® models

Slide Hammers and Shafts

CJ1250[®] Slide Hammer, 12 lb, 5/8"-18 Thread (Blue-Point[®])

- Designed to pull rear axles
- Slide hammer is approximately 25-1/4" long with a 5/8"-18 thread
- Can be used with the YA498A Hub Puller



CJ1250

CJ1300[®] Heavy-Duty Hub/Rotor Puller (Blue-Point[®])

- Heavy-duty 1" shaft is designed for tough pulling jobs such as hubs, rotors and axles
- Slide hammer is approximately 28-1/2" long with a 5/8"-18 threaded hex bolt, which allows the end user to bolt the pulling adaptors to the end of the shaft, locking it in place and taking much of the stress off the threads
- 10 lb hammer



CJ1300

Wheel Hub Removal Adaptors

DHP1 Wheel Hub Removal Adaptor for Dodge[®] Vehicles

- Designed to remove the front hubs found on 3/4-ton (2500 Series) and 1-ton (3500 Series) Dodge[®] pickup trucks
- Cuts the flat rate for changing out U-joints, front differential service, ball joints and any front hub service
- On average it takes 3.4 hours to do both sides using a sledge hammer, torch or heavy-duty slide hammer—with the DHP1, it takes about one hour to do both sides
- No broken rotors when using a sledge hammer
- No heavy slide hammers to use
- Wheel bearing and seal will not get damaged when using a torch on a stuck hub



DHP1

S6550 T50 TORX[®] Bit

- Enlarged shank diameter to reduce angular deflection (twisting), and create a stronger bit for work on Transit hub assemblies
- Extended 4.6" length for hard-to-reach fasteners
- 12 mm hex end for use with socket or wrench for optimum positioning and to assist in starting the bolts for installation
- Ball and spring retention keeps sockets secure



S6550

S6555 T55 TORX[®] Bit

- Reduced shank diameter to clear the ABS Tone Ring on AWD models and still engage bolt heads
- Extended length for hard-to-reach bolts
- 12 mm hex end for use with socket or wrench for optimum positioning
- Ball and spring retention keeps sockets secure



S6555

S6560 T60 TORX[®] 9/16" Hex Shank Bit

- Small diameter shaft can clear ABS tone ring and still engage bolt heads
- Ball-and-spring retention keeps sockets secure
- TORX[®] T60 with 9/16" hex on other end for use with a socket or wrench
- Can be used with other sockets for optimum positioning
- Rated for use with an impact tool



S6560

Wheel/Axle Hub Pullers

CJ129A[®] Universal Wheel Hub Puller (Blue-Point[®])

- Removes the front wheel/axle assembly on all front wheel drive Ford[®], GM[®], Chrysler[®] and most imported cars
- Also used to remove the rear brake drums on tapered axles, such as those found on AMC and Chrysler[®] vehicles
- Removable anvil fits over a 1-1/8" hex on the pressure screw
- Includes adjustable legs



CJ129A

YA498A Front Wheel Drive Hub Puller (Blue-Point[®])

- For most US and import vehicles with independent front suspension
- 5/8"-18 x 5-1/2" pressure screw size



YA498A

- Do not use "cheater bars" on handles.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Coil springs contain high energy and exert large forces when compressed; ensure that tires are securely wrapped with proper coils.
- Keep your body away from springs when compressed.
- Screen the puller application.
- Inspect the puller; do not use damaged parts.
- Use proper type and size puller for the job.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



DRIVE LINE: DIFFERENTIAL



M3548A



M3586



M3587



IMDM360



A176



S6436

Differential Service Tools

| Stock No. | Size, inches | Drive Size, inches | O.D. Wrench End, inches (mm) | O.D. Drive End, inches (mm) | Bolt Clearance, inches (mm) | Hex Depth, inches (mm) | Overall Length, inches (mm) |
|-----------|--------------|--------------------|------------------------------|-----------------------------|-----------------------------|------------------------|-----------------------------|
| M3548A | 2-3/4 | 3/4 | 3-9/16 (90.4) | 1-3/4 (44.4) | 2-5/16 (59) | 1-7/32 (31) | 2-3/4 (69.2) |
| M3586 | 1-7/8 | 3/4 | 2-3/8 (60.3) | 1-3/4 (44.4) | 2 (51) | 1-1/8 (29) | 2-3/4 |
| M3587 | — | 3/4 | 2 (50.8) | 1-3/4 (44.4) | 1-9/16 (40) | 1 (25) | 2-1/4 |
| IMDM360 | 36 mm | 1/2 | 2 (50.8) | 1-3/16 (40) | 1-5/8 (41) | 3/8 (22.2) | (67.2) |

ASME/ANSI® B107.33M

M3548A Diesel Pinion Nut Impact Socket

- For use on pinion nuts only

M3586 Pinion Nut Impact Socket

- Used to remove the pinion nut on Dana® 80 Series axles on late model Ford® and Dodge® trucks
- Designed to handle the specific application

M3587 Pinion Nut Impact Socket

- Used to remove the pinion nut on 2005 Cadillac® CTS®, 2003 GM® and 2004 Dodge® trucks with 11.5" AAM axles
- Additional applications include the removal of late-model BMW® axle shafts, plus BMW® E38, E39, M3 and SUVs with 36 mm 12-point axle nuts
- Designed to handle the specific application

A176 Differential Adjusting Wrench

- For most differentials where 9/32" and 17/32" adjustment nuts are found
- Useful on transmissions, steering gears and some water pumps where an adjustable spanner wrench is required
- 10" long

S6436 3/4" Drive Metric 36 mm Deep Impact Socket

- Manufactured from special steel with a higher alloy content
- Industrial finish helps protect against corrosion
- Precision machined and heat-treated for optimum strength and durability

IMDM360 1/2" Drive 12-Point Metric 36 mm Flank Drive® Shallow Impact Socket

- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Snap-on uses a proprietary blend of special alloy socket steel that provides long life and great strength
- Flank Drive® wrenching system delivers up to 20% more turning power without slipping or rounding while exceeding ANSI® performance standards
- Applications include the removal and installation of Duramax® Diesel front crankshaft bolt, late-model BMW® axle shafts, and 2003 GM® and 2004 Dodge® pinion nuts on trucks with 11.5 AAM axles

DRIVE LINE: FRONT WHEEL DRIVE TOOLS



YA3050



YA3080



YA3085

CV Boot and Joint Tools

YA3050 Boot Clamp Pliers (Blue-Point®)

- For earless-type clamps, including those found on late-model GM® inboard CV universal joints

YA3080 Boot Clamp Pliers (Blue-Point®)

- For ear-type clamps
- Sturdy enough for ear-type clamps, including late-model GM® outboard CV universal joints

YA3085 Boot Banding Tool (Blue-Point®)

- For reinstallation of BAND-IT® or BAND-IT Jr.® boot bands



S6400



S6800

Hub Lock Nut Sockets

S6400 4-Pin Hub Lock Nut Socket - 1/2"

- Socket required for repair and replacement of the wheel bearing on Dana® 30 and 44 axles commonly found in the Ford® Bronco®, Bronco®2, Chevrolet® Blazer®, Ford F-100®, F-150® and F-250®

S6800 8-Pin Hub Lock Nut Socket - 1/2"

- Socket required for repair and replacement of the front hub lock nut on Toyota® trucks (2WD) 2007 and newer

DRIVE LINE: FRONT WHEEL DRIVE TOOLS

Special Application Axle Nut Sockets (inches)

S6804 1/2" Drive Axle Hub Impact Socket

- For the removal and installation of axle hub bearing retaining nuts on 2011–current GM® trucks with 11.5" rear axles
- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Snap-on® uses a proprietary blend of a special alloy socket steel that provides long life and great strength
- Tool is similar to Kent-Moore® part number CH50636

S6806 6-Pin Axle Nut Socket

- Special geometry is incorporated into the socket to remove and tighten axle nuts
- Manufactured from special steel with a higher alloy content
- Designed to assist in the removal and installation of older-style (2000–2011) axle nuts from Dodge® 2500 and 3500, and GM® trucks with 11.5" rear axles
- Precision machined and heat-treated for optimum strength and durability



S6804



S6806



CVBOOTKIT

CVBOOTLG

CVBOOTRP

CV Boot and Joint Tools

- CV boots fit 98% of autos, 4 x 4 and utility vehicles
- CV boots are easily trimmed to length to help reduce the number of boots needed on hand
- All boots are made from a patented rubber material with a high elasticity tolerance to heat and cold
- Install CV boots quickly and easily with a pneumatic installer (optional)

CVBOOTKIT Complete CV Boot Replacement Kit (Blue-Point®)

- Includes (6) small CV boots, (4) large CV boots, (2) rack-and-pinion boots, stainless steel clamps and grease

CVBOOTLG Large CV Boot (Blue-Point®)

- Fits most cars and SUVs with large CV boots
- Includes a boot, clamps and grease

CVBOOTLGPK Large CV Boot Kit (Blue-Point®)

- Includes (12) CVBOOTLG

CVBOOTRP Universal Rack and Pinion Kit (Blue-Point®)

- Fits rack-and-pinion boots on most cars
- Includes a boot, clamps and grease

CVBOOTSM Small CV Boot (Blue-Point®)

- Fits most cars and SUVs with small CV boots
- Includes a boot, clamps and grease

CVBOOTSMPK Small CV Boot Kit (Blue-Point®)

- Includes (12) CVBOOTSM
- CV boots fit 98% of autos, 4 x 4 and utility vehicles
- CV boots are easily trimmed to length to help reduce the number of boots needed on hand
- All boots are made from a patented rubber material with a high elasticity tolerance to heat and cold
- Installs CV boots quickly and easily with the CVBOOT2 Pneumatic Installer (optional)

CVBOOTXSPK ATV Flexx CV Boot Kit (Blue-Point®)

- Includes (12) CVBOOTXS

CVBOOTXS ATV Flexx CV Boot (Blue-Point®)

- Fits most ATV boot applications
- Includes boot, clamps and grease

CVJ85 CV Joint Driver, 16 mm x 1.5

- Driver works with standard air hammers—8-3/4" long with M16 x 1.5 threads
- Saves approximately 15 minutes when removing CV joints located in tight spaces
- Quickly and easily removes the splined CV joint and stub axle assembly from the hub on front-wheel drive vehicles
- Heat treated forged alloy steel for strength and durability



CVJ85

Ball Hex/Long, mm, Chrome (3/8")

FABLM8E 3/8" Drive Metric 8 mm Long Ball Hex Socket Driver

- Includes FABLM4E–FABLM10E (4–10 mm) in a plastic storage tray
- Extra-long bit length provides increased reach in limited-access spaces
- Ball-end of bit makes it easier to insert bit into fastener, especially in blind access application

- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean
- 8 mm hex; 3/8" drive
- For 1978–later Dodge® Omni and Plymouth® Horizon standard transmission drive axle flange bolts



FABLM8E



- Wear safety goggles, laser and bystanders.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W3–W4

DRIVE LINE: TRANSMISSION



Transmission Service Tools

YA2340 Sealing Cap Set (Blue-Point®)

- Retains transmission fluid by sealing the transmission and transaxles when the drive shaft or drive axle is removed on most US and import vehicles
- Side gear centering for Ford® transaxles
- Five caps cover a range of 1-2-3/16" (25.4-55.37 mm)
- Segmented design prevents caps from slipping

YA7244A Quick-Connect/Disconnect Tool

- For late-model Ford® vehicles using push lock connectors on transmission cooler lines, as well as on fuel lines
- 1-1/4" dia.

FIH9057B Transmission Line Quick-Disconnect Tool

- For 3/8" O.D. and 1/2" O.D. transmission and fuel lines on certain Ford® and Cadillac® models
- Constructed from a durable 30% glass-filled nylon allows more pressure to be applied and delivers a longer tool life than plastic units
- Compact design allows access in tight quarters

F0S1 Transmission Output Shift Socket

- Four pin socket designed to remove the transmission output shaft retaining nut on Ford® 5R100 automatic transmissions
- Tool needed when doing transmission service such as removing and replacing transmission seals
- Manufactured from special alloy steel
- Precision machined and heat-treated for optimum strength and durability

LDT3812 Transmission Oil Cooler Line Disconnect Tool (Blue-Point®)

- Two sizes (3/8 and 1/2") are designed to disconnect transmission cooler lines
- 3/8" for use on 2003-later Ford® V8 Explorer®, 2004-later Ford® F-150® and Cadillac® vehicles
- 1/2" for use on Ford® F-250®/F-350®/F-450® Super Duty® trucks

LDTM3812 Transmission Oil Cooler Line Tool, 3/8" x 1/2"

- Easily handles Ford® truck and Cadillac® transmission oil lines
- Tool is manufactured of metal and is available in two sizes 3/8" and 1/2"
- Tip is specially stepped to fit connector
- Simply push the line toward the connector, then engage tool and pull line from connector

S5902 Oil/Transmission Plug Box End 17 mm, 6-Point, 21 mm, 12-Point Wrench

- Box ends are 17 mm, 6-point and 21 mm, 12-point
- Designed for VW® transmission drain plugs
- 258 mm long

XLE1012A E10-E12 TORX® Long 10" Offset Box Wrench

- Box end TORX® sizes are E10 and E12
- Drive shaft must be removed when towing 1980 Chevrolet® Corvette® and 1/2-, 3/4- and 1-ton GMC® and Chevrolet® trucks
- Designed to access drive line fasteners
- Also services AMC drive lines
- **SLEPL200 1/2" Drive 20EPL TORX Plus® with Countersink Socket**
- SLEPL Series of TORX Plus® sockets with a shallow countersink are designed for use on external TORX Plus® low-profile head fasteners so the user can fully engage the fastener head
- For removal and installation of low-profile drive plate and flywheel bolts on QR25 Nissan® motors with automatic transmissions
- Similar to the J-45816 Nissan® specialty tool



CRC1



SHRM27



TUAM4E



VCS20

Transmission Service Tools

CRC1 1/2" Drive Chrysler® Rear Carrier Socket

- Used to turn/adjust the differential bearing adjuster within the differential on Chrysler®/Dodge® 7-1/4", 8-1/4" and 9-1/4" rear ends
- Tool is made of a flat steel piece with a 1-1/4" exterior hex and 1/2" square drive
- Circular step to prevent the tool from going through the adjuster
- Small size for easy access and storage

SHRM27 1/2" Drive 27 mm External Hex

- Special alloy steel provides the highest match of strength and durability
- Nickel-chrome plating provides corrosion resistance
- Overall length is 1-1/2" (38.1 mm)

TUAM4E 1/4" Drive Metric 4 mm Stubby Universal Hex Bit Socket

- Laser welded pivot provides added strength without adding bulk to the tool for greater accessibility

- Nickel-chrome alloy finish resists against rust and corrosion
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- **VCS20 I-Shift Clocking Wrench**
- Allows faster installation; no need to hand-spin the input shaft to the correct orientation
- Manufactured in the USA
- Precision machined from alloy steel
- Industrial finish helps protect against corrosion



Low-Profile Hex Sockets

EEPV508² Automatic Transmission and Engine Pressure Set

- Includes (2) gauge assemblies for high-pressure (500 PSI) and low-pressure (100 PSI) ranges, adaptors to test a wide variety of automatic transmissions, a comprehensive instruction manual with an applications table and a storage case

- (4) special fittings are also included for connection to hard-to-reach test ports in areas requiring a 45° or 90° angle
- High-pressure gauge assembly includes a 3.5" dia. gauge
- 10' flexible hose with fluid coupler
- 6' flexible hose with fluid coupler
- Technical Support: 855-779-8880



Low-Profile Hex Sockets

| Stock No. | Drive Size, inches | External Hex, mm | Length, inches (mm) | Set Contains: |
|-----------|--------------------|------------------|---------------------|---------------|
| FHRM7 | 3/8 | 7 | 1 (25.4) | • |
| FHRM8 | 3/8 | 8 | 1 (25.4) | • |
| FHRM10 | 3/8 | 10 | 1 (25.4) | • |
| FHRM12 | 3/8 | 12 | 1 (25.4) | • |
| FHRM13 | 3/8 | 13 | 1 (25.4) | • |
| FHRM14 | 3/8 | 14 | 1 (25.4) | • |
| CPT110A | 3/8 | 17 | 1 (25.4) | • |
| SHRM19 | 1/2 | 19 | 1-1/4 (32) | |

207FHRM 7 pc 3/8" Drive 6-Point Metric Low-Profile Socket Set

- Includes (7) low-profile sockets (7, 8, 10, 12, 13, 14 and 17 mm)

General Service Tools

CPT110A 3/8" Drive 6-Point Metric 17 mm VW[®] Transmission Drain Plug Socket

- For use on VW[®] transmission drain plugs
- Additional applications include removing the front wheels on Triumph[®] Daytona[®] and America motorcycles



Bushing/Oil Seal Pullers and Drivers

- Designed to easily remove or replace transmission rear extension housing bushings and oil seals on most Ford[®], GM[®], Chrysler[®] and AMC automatic transmissions

| Stock No. | Type | O.D., inches | Depth, inches (mm) | Application |
|-----------|----------------|--------------|--------------------|--|
| 58673C1 | Driver | — | 1-15/16 (40) | Ford [®] C-4 Series, GM [®] 200/350/375 Series |
| 58673B3 | Seal Installer | 2-3/4 | 1-15/16 (40) | Ford [®] C-4 Series, GM [®] 200/350/375 Series |



Seal/Bushing Installers and Removers

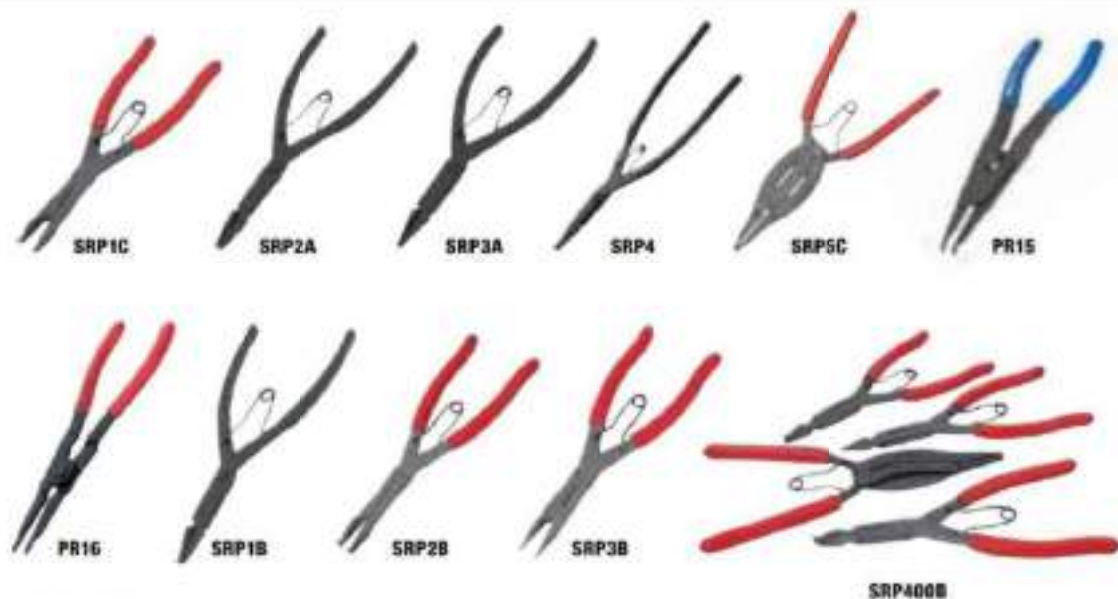
YA9648² Removal/Installation Tool (Blue-Point[®])

- Applications on 1996 and later GM[®] trucks and Astro vans with 4L60E and 4L80E transmissions



- Read and follow safety messages in instructions.
- Do not use chains or industrial finish limit tools with impact drivers or impact drivers.
- Wear safety goggles, finger and hand protectors.
- †These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

DRIVE LINE: TRANSMISSION



Snap Ring Pliers

- Parallel jaw lock-ring pliers (high leverage) for easy locking removal/installation
- Cushion grips offer comfort while resisting transmission fluids
- Natural steel finish with a tough, protective clear coating to prevent corrosion

SRP1C Snap Ring Pliers

- 90° angle serrated jaws (for GM® transmission output shaft)
- 3/32" tip width; 1/16" tip thickness
- 8-15/16" long

SRP2A Snap Ring Pliers

- 3/32" wide ends with 1/8" dia. dimple for snap rings with tabs
- Jaws are angled at 90°
- 8-7/8" long
- ASME®/ANSI® B107.19-1993
- Parallel jaw lock-ring pliers (high leverage) for easy lock-ring removal/installation

- Cushion grips offer comfort while resisting transmission fluids
- Natural steel finish with a tough protective clear coating to prevent corrosion

SRP3A Snap Ring Pliers

- 3/32" wide straight tips and 1/16" thick ends
- 8-7/8" long
- ASME®/ANSI® B107.19-1993
- Parallel jaw lock-ring pliers (high leverage) for easy lock-ring removal/installation
- Natural steel finish with a tough protective clear coating to prevent corrosion
- Cushion grips offer comfort while resisting transmission fluids

SRP4 Snap Ring Pliers

- 3/32" wide ends with a 1/8" dia. dimple for snap rings with tabs
- Jaws are bent at a 90° angle
- 14" long

SRP5C Snap Ring Pliers

- Straight, non-serrated tip with dimples for lock-rings with tabs
- Seven pivot points create compound high-leverage for easy lock-ring expansion
- Jaws always remain parallel
- 1/4" tip width; 1/8" tip thickness; 10/18" long

PR15[†] External Snap Ring Pliers (Blue-Point®)

- Wide 1/16" tips are angled at 90°
- 8-3/4" long

PR16[†] External Snap Ring Pliers (Blue-Point®)

- Wide 3/16" notched tips
- 8-3/4" long

SRP1B Snap Ring Pliers

- For output shaft on GM® transmissions
- Serrated jaws bent at a 90° angle
- 1/16" wide tip
- 8-15/16" long
- Parallel jaw lock-ring pliers (high leverage) for easy lock-ring removal/installation
- Cushion grips offer comfort while resisting transmission fluids
- Natural steel finish with a tough protective clear coating to prevent corrosion

SRP2B Snap Ring Pliers

- 90° angle serrated jaws with dimples for lock rings with tabs
- 3/32" angle tip width and 1/8" tip thickness
- 8-7/8" long
- Parallel jaw lock-ring pliers (high leverage) for easy lock-ring removal/installation
- Natural steel finish with a tough protective clear coating to prevent corrosion
- Cushion grips offer comfort while resisting transmission fluids

SRP3B Snap Ring Pliers

- Straight tip serrated jaws
- 3/32" wide tip; 8-7/8" long

SRP400B 4 pc Snap Ring Pliers Set

- Includes SRP1C, SRP2B, SRP3B, and SRP5B Snap Ring Pliers in a storage tray

Universal Joint Tools

UJP1 Universal Joint Press Set

- Press frame features a large throat and vise mount capability for U-joint applications
- Locking cup design holds the cup in place
- Large, coarse thread pressure screw for extra strength and maximum force
- Grease Zerk fitting for smooth screw action
- Includes an application chart and includes a storage case



CLUTCH



Clutch Service Tools

A144A Flywheel Turner

- Used when replacing the clutch pressure plate
- Turns the flywheel to a predetermined point that might be bypassed when bumping with the starter
- 12-1/8" long

A145 Clutch Aligner Set

- Smaller companion to the A37M
- Includes (5) double-ended collets ranging in size from .578-.810"

A37M Clutch Aligner Set

- For vehicles with standard transmissions, including many import cars
- Allows quick aligning for the complete range of single-disc clutches; includes (16) collet sizes ranging from 0.465-1.181"
- Packaged in a PB21 Storage Case

HD1450¹ Motorcycle Clutch Adjustment Tool

- Features a window in the socket so the technician can see the position of the hex while holding the adjustment screw as the jam nut is tightened
- Unique handle pivots from one side to the other, ensuring the window is always visible
- All-in-one tool, no fumbling with two separate pieces to reach a recessed adjuster

SP2031A¹ Pilot Bearing Puller (Blue-Point[®])

- Attaches to slide hammer shafts with 3/4"-16 or 5/8"-18 threads
- Pressure screw adaptor is made of stress-resistant steel
- Industrial finish

YA7646 Clutch Coupling Tool for Ford[®] Vehicles (Blue-Point[®])

- Reaches and disconnects the hydraulic clutch line from the clutch slave cylinder without damage to the coupling or clutch line
- Same as Ford[®] No. T88T-70522-A



¹These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P6-P7 for details. • Read Safety Precautions on pages W1-W4

LIFTING: SERVICE JACKS



FJ175

Lightweight Aluminum Service Jacks

FJ175² 1.75-Ton Aluminum High-Performance Jack

- Low 3.4" height fits easily under a variety of vehicles
- 18" maximum lifting height
- Rated at 3,500 lb lifting capacity for a variety of jobs
- Lightweight aluminum design is portable and moves across the floor effortlessly
- Premium hydraulic pump and aircraft-grade aluminum chassis components
- Greater lift height per handle pump stroke than most other jacks
- Rear caster assemblies feature needle thrust bearings for high load capacity
- Professional one-piece handle design with diamond knurling for improved grip
- Single front roller allows for access in narrow areas
- High-performance hydraulic oil for extreme temperature stability and reduced wear
- Grease fittings in the yoke and lift arm pivots for increased longevity
- Three year warranty on manufacturing defects
- Meets ASME[®]/PASE[®] (2014)
- Engineered, designed and manufactured by Snap-on[®] in Elkhart, Alabama

| Specifications | FJ175 ² |
|--|--------------------|
| Capacity, lb (kg) | 3,500 (1,589) |
| Low Height, inches (mm) | 3.42 (86.7) |
| Max Lifting Height, inches (mm) | 18 (457) |
| Saddle Size, Diameter, inches (mm) | 4.55 (116) |
| Ground Clearance, inches (mm) | 0.22 (5.59) |
| Chassis Length, inches (mm) | 24.9 (632) |
| Overall Width at Front Roller, inches (mm) | 6.74 (171) |
| Overall Width at Rear Casters, inches (mm) | 12.6 (320) |
| Handle Length, inches (mm) | 47.8 (1,214) |

| Specifications | FJ175 ² |
|--|---------------------------------------|
| Front Roller Diameter, inches (mm) | 1.95 (49.5) |
| Front Roller Width, inches (mm) | 5.50 (140) |
| Caster Wheel Diameter, inches (mm) | 1.68 (42.7) |
| Pump Strokes to Reach Max Lifting Height (No Load) | 10-12 |
| Hydraulic Oil | Snap-on [®] High Performance |
| Weight, lb (kg) | 47 (21.3) |
| Shipping Weight, lb (kg) | 50.5 (22.8) |

Technical Support and Service: 877-762-7664 (US); 866-824-0524 (Canada)



FJ200

Short Chassis Service Jacks

- Lift arm is contoured to allow clearance with the vehicle's rocker panel
- Premium U-Cup seals on pumps and ram pistons for long life
- Professional one-piece handle design
- Special high-performance hydraulic oil for extreme temperatures and reduced wear
- Internal filtration with a magnet in the pump reservoir to maintain oil cleanliness
- Powder-coated finish for durability
- Dual-pump pistons for speed to reach service height quickly
- Grease fittings in the front wheels and yoke pivot
- Removable saddle with a rubber pad
- Front wheels have a nut and shoulder design for positive retention
- Meets ASME[®] PASE-2014



FJ300



FJ400

| Specifications | FJ200 | FJ300 | FJ400 |
|--|-----------------------------|-----------------------------|-----------------------------|
| Capacity, lb (kg) | 4,000 (1,814) | 6,000 (2,721) | 8,000 (3,629) |
| Low Height, inches (mm) | 3-1/2 (89) | 3-13/16 (97) | 4-3/16 (106) |
| Max Lifting Height, inches (mm) | 21 (534) | 23-3/8 (594) | 24-1/2 (622) |
| Saddle size, inches (mm) | 6-7/32 x 6-7/32 (132 x 132) | 6-7/32 x 6-7/32 (132 x 132) | 6-7/32 x 6-7/32 (132 x 132) |
| Ground Clearance, inches (mm) | 9/16 (14) | 9/16 (14) | 21/32 (17) |
| Chassis Length, inches (mm) | 31 (787) | 31 (787) | 32-1/2 (825) |
| Overall Width (at front wheels), inches (mm) | 11-1/4 (286) | 11-1/4 (286) | 11-1/2 (292) |
| Overall Width (at rear casters), inches (mm) | 14-1/2 (368) | 14-13/16 (376) | 15 (381) |
| Body Width, inches (mm) | 7-1/8 (180) | 7-1/8 (180) | 7-1/8 (180) |
| Handle Length, inches (mm) | 47-3/16 (1,201) | 47-3/16 (1,201) | 47-3/16 (1,201) |
| Side Plate Thickness, inches (mm) | 15/64 (6.0) | 17/64 (6.7) | 9/32 (7.0) |
| Front Wheel Diameter, inches (mm) | 3-5/16 (84) | 3-11/16 (84) | 3-7/8 (99) |
| Front Wheel Width, inches (mm) | 2 (51) | 2 (51) | 2 (51) |
| Axle Diameter, inches (mm) | 25/32 (20) | 25/32 (20) | 1 (25) |
| Caster Wheel Diameter, inches (mm) | 2-19/32 (66) | 2-19/32 (66) | 2-19/32 (66) |
| Saddle Raise Height (one pump, no load), inches (mm) | 10-11/16 (272) | 9-13/32 (239) | 8-1/2 (216) |
| Weight, lb (kg) | 101.0 (45.8) | 110.8 (50.3) | 128.0 (58.1) |
| Shipping Weight, lb (kg) | 103.5 (46.9) | 122.0 (55.3) | 135.8 (61.6) |

Technical Support and Service: 877-762-7664 (US); 866-824-0524 (Canada)

LIFTING: TRANSMISSION JACKS/FUEL TANK STANDS



TJ100



TJA100

Under-Hoist Transmission Jacks

- 1,000 lb capacity rating
- 75" maximum height to access a wide variety of transmissions and transfer cases
- Low 35" height for ease of lifting the transmission off of the saddle
- Adjustable ratcheting arm saddle design adapts to virtually any configuration of FWD, RWD and 4-wheel drive transfer case
- Saddle tilt adjusters have ball-bearing thrust washers for ease of adjustment under load

- Heavy-duty wide and stable base configuration is 36 x 36" total width
- (4) 5" polyurethane swivel casters; (2) in each locking style
- Premium seals on pump and ram pistons for long life
- Special high-performance hydraulic oil for extreme temperatures and reduced wear
- Cambuckle tie-down strap is included to secure a load
- ASME® PASE-2014 compliant
- Fully assembled and tested in the USA, product of China

| Specifications | TJ100* | TJA100 |
|---|---------------------------|---------------------------|
| Capacity, lb (kg) | 1,000 (454) | 1,000 (454) |
| Minimum Height To Saddle Plate, inches (mm) | 35 (889) | 35 (889) |
| Maximum Height To Saddle Plate, inches (mm) | 75 (1,905) | 75 (1,905) |
| Number of Pumps to Reach Maximum Height | 72 | 31 |
| Saddle Finger Width Range, inches (mm) | 14.8-23.3 (376-592) | 14.8-23.3 (376-592) |
| Saddle Finger Height Range, inches (mm) | 1.0-6.3 (25-160) | 1.0-6.3 (25-160) |
| Saddle Finger Locked Angle Positions, degrees | 50/70/90 | 50/70/90 |
| Saddle Tilt Angle (side to side), degrees | ± 10 | ± 10 |
| Saddle Tilt Angle (fore/aft), degrees | ± 30/40 | ± 30/40 |
| Base Size, inches (mm) | 36 x 36 (914 x 914) | 36 x 36 (914 x 914) |
| Caster Wheel Diameter, inches (mm) | 5 (127) | 5 (127) |
| Tie-Down Strap Width x Length, inches (mm) | 1 x 65 (25 x 1,651) | 1 x 65 (25 x 1,651) |
| Hydraulic Oil | Snap-on® High-Performance | Snap-on® High-Performance |
| Net Weight, lb (kg) | 198 (90) | 202 (92) |
| Shipping Weight, lb (kg) | 241 (109) | 245 (111) |

* Max load capacity reduced beyond ±10°

TJ100 1/2-Ton Telescopic Hydraulic Transmission Jack

- Dual-stage hydraulic ram
- Saddle is raised and lowered with hands-free foot pedals

TJA100 1/2-Ton Telescopic Air/Hydraulic Transmission Jack

- Air-assisted dual hydraulic ram
- First stage air-assisted motion is raised and lowered by foot pedals; second stage motion uses a hand lever with a knob for lowering the saddle

- Do not exceed capacity of the jack.
- Use jack and jack stands on hard level surface.
- Do not work on vehicle supported by jacks, use jack stands.
- Read and follow safety messages in the instructions.

†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
• Read Safety Precautions on pages W1-W4



WARNING

BODY REPAIR

Body Repair Kits

The HPR400 and HPR1000 Hydraulic Portable Ram Kits provide the professional technician with components that can be configured to perform the basic tasks of spreading, clamping, pulling, pushing, lifting, pressing, bending, stretching and straightening with the convenience of hydraulic power.



| Specifications | HPR1000 ¹ | HPR400 ¹ |
|--|---------------------------------------|---------------------------------------|
| Hand Pump 2-Speed Capacity, PSIG (kPa) | 8,100 (55.847) | 7,300 (50.331) |
| Hand Pump Overall Dimensions, W x L x H, inches (mm) | 5.92 x 22 x 6 (142.7 x 558.8 x 152.4) | 5.62 x 16.5 x 6 (142.7 x 419 x 152.4) |
| Kit Capacity, tons (kg) | 10 (9,081) | 4 (3,636) |
| Kit Net Weight, lb (kg) | 91.3 (41.5) | 54 (24.5) |
| Short Ram Capacity, tons (kg) | 4 (3,636) | 4 (3,636) |
| Short Ram Closed Length, inches (mm) | 1.62 (41) | 1.62 (41) |
| Short Ram Extended Length, inches (mm) | 2.25 (57.15) | 2.25 (57.15) |
| Short Ram Stroke, inches (mm) | 0.62 (15.9) | 0.62 (15.9) |
| Spreader Ram Capacity, Tons (kg) | 1/2 (454.5) | 1/2 (454.5) |
| Spreader Ram Jaw Travel, inches (mm) | 3.62 (92) | 3.62 (92) |
| Spreader Ram Jaws Closed, inches (mm) | 0.5 (12.7) | 0.5 (12.7) |
| Spreader Ram Jaws Extended, inches (mm) | 4.12 (104.6) | 4.12 (104.6) |
| Standard Ram Capacity, tons (kg) | 10 Ton (9,081) | 4 (3,636) |
| Standard Ram Closed Length, inches (mm) | 12.75 (323.8) | 10.5 (266.7) |
| Standard Ram Extended Length, inches (mm) | 17.67 (453.6) | 15.25 (387.3) |
| Standard Ram Stroke, inches (mm) | 5.12 (130) | 4.75 (120.6) |

- Hand pumps include a two-speed pump piston for extending the rams to the load quickly
- Gauge is liquid filled for shock resistance and provides user with easy to read force indicators
- Pump handle designed to protect gauge during use
- Release lever for quick opening, closing or for metering fluid flow

- Hydraulic pumps include larger reservoir capacity and sight window for checking fluid level
- Chromed pump pistons inhibit rust and corrosion with dust shields to limit contamination
- Grab handle for easy transporting and positioning
- Larger base feet for better stability during pumping

- Large extension tube diameters and increased wall thicknesses to resist bending
 - Custom designed blow molded cases with wheels and metal closures include easily identified cavities for quick component storage
 - ASME[®] PASE[®] 2014 compliant
 - Assembled and tested in the USA
- HPR400¹ 4 Ton Portable Ram Kit**
HPR1000¹ 10 Ton Portable Ram Kit

LIFTING: JACK STANDS



Jack Stands (in pairs)

- Available in 4-, 6- and 12-ton capacity (when used as pairs)
- Safely supports vehicle after lifting
- Saddle securely locks into position automatically with cast locking pawl
- Pinch weld saddle design on 4-ton and 6-ton models for added flexibility
- Ductile iron saddle has larger surface area for supporting load
- Oversized pads on legs for additional stability
- Meets ASME[®]-PASE standards

| Stock No. | Capacity (pair), Tons (kg) | Minimum Height, inches (mm) | Maximum Height, inches (mm) | Base Size, inches (mm) | Saddle Size, inches (mm) | Net Weight, lb (kg) | Shipping Weight, lb (kg) |
|---------------------|----------------------------|-----------------------------|-----------------------------|-------------------------|--------------------------|---------------------|--------------------------|
| JS400 ¹ | 4 (3,636) | 13.5 (343) | 20.6 (523) | 9.06 x 7.76 (230 x 197) | 3.43 x 1.12 (87 x 28.5) | 22.7 (10.3) | 24.4 (11.1) |
| JS600 ¹ | 6 (5,454) | 15.2 (386) | 24 (610) | 11.3 x 10.2 (287 x 258) | 3.54 x 1.22 (90 x 31) | 31.7 (14.4) | 33.6 (15.3) |
| JS1200 ¹ | 12 (10,909) | 16.5 (419) | 30 (762) | 13 x 11.7 (330 x 297) | 4.81 x 1.85 (117 x 42) | 88.6 (40.1) | 71.1 (32.3) |

LIFTING: JACK STANDS

Utility Stands

| Stock No. | Capacity, tons | Low Height, inches | Maximum Height, inches | Base Diameter, inches (mm) |
|----------------------|----------------|--------------------|------------------------|----------------------------|
| UHS1500 ¹ | 2/4 | 53-3/8 | 80-1/8 | 12 (305) |

UHS1500¹ Under Hoist Utility Stand

- Release mechanism quickly places saddle at service height
- Foot pedal is ideal for aligning components to keep hands free
- Precise height adjustment is accomplished with hand crank
- Saddle is configured to adapt to various under car components and resists turning
- Foot pedal can be folded for compact storage



UHS1500

LIFTING: TRANSMISSION JACKS/FUEL TANK STANDS

Transmission Jack Accessories

YA712A¹ Fuel Tank Stand

- Easily services fuel tank, fuel pumps and other components
- Handles fuel tanks up to 40 gal (empty)
- Works directly with TJ100 and TJ4100 Transmission Jacks as well as others
- Includes anchoring straps and grounding wire
- 9-1/4" H x 32" L x 15-3/8" W



YA712A

LIFTING: ENGINE HOISTS AND SLINGS

Engine Hoist and Slings

A238 Engine Sling

- 40" flexible cable with eyelet holes on each end for 1/2" dia. bolts



A238



- Do not exceed capacity of the jack stands.
- Use jack stands in pairs.
- Use jack stands on hard level surfaces.
- Do not exceed rated capacity of hydraulic unit.
- Use only for the specific purposes intended.
- Read and follow safety messages in the instructions.
- Do not overload.

- Do not exceed capacity of engine hoists, slings and adapters.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages F1-F2 for details.
- Read Safety Precautions on pages W1-W4.

BATTERY CHARGERS



EEBC500B

Battery Charger Plus™

| Specifications | EEBC500B ¹ | EEBC500B-INT |
|-------------------------------------|-----------------------|------------------------|
| Output Currents A DC | 4/15 and 60A Boost | 60/12/4 |
| Output Voltages V DC | 6/12/24 | 6/12/24 |
| Input Voltage (rated), V AC | 120 | 230/240 |
| Crank Assist Duty Cycle | 1/36 | 1/36 |
| DC Lead Type | Fused | Fused |
| DC Lead Length, feet (meters) | 7' 6" (2.3) | 7' 6" (2.3) |
| DC Lead Gauge | 4 AWG | 4 AWG |
| DC Clamps | 500 A | 500 A |
| AC Cord Length, feet (meters) | 9 (3) | 9 (3) |
| Voltmeter | Digital | Digital |
| Timer Type | Digital | Digital |
| Ventilation | Fan Cooled | Fan Cooled |
| Foam-Filled Wheel Size, inches (mm) | 10 (254) | 10 (254) |
| Weight, lb (kg) | 91.8 (41.6) | 91.8 (41.6) |
| Dimensions, L x W x H, inches | 29.4 x 16.5 x 30.5 | 29.4 x 16.5 x 30.5 |
| Outdoor Use | Yes (cULus) | No |
| Country of Use | North America | Australia, Europe, UK |
| Power Supply Cord | Included | EEBC5CABLE-A, E, U, U2 |

CE · DE, ES, FR, IT, GB, NL

EEBC500B¹ Battery Charger Plus™ LiFePO₄

- **ADAPTIVE:** Performs a unique charge cycle for each lead-acid battery type: standard, AGM, GEL, EFB, deep cycle now with a 12 V Lithium Iron Phosphate (LiFePO₄) mode
- **PLUS:** exclusive flash reprogram power supply maintains consistent OEM-specified voltage up to 100 A for three minutes
- **VERSATILE:** charges lead acid 6 and 12 V batteries and 24 V battery packs with a 4 A maintain rate, a 15 A fast rate or a 60 A boost mode; charges 12 V LiFePO₄ batteries at 4 or 15 A
- **INTELLIGENT:** Automatic microprocessor-controlled operation selects algorithm to optimize the cycle without overcharging
- **INFORMATIVE:** In maintain and fast rates, the unit displays the vehicle battery voltage and percent of charge

- **STREAMLINED:** Higher working-height handle helps relieve back strain with an excellent design that looks like no other charger
 - **POWERFUL:** 300 A engine start with a 20 second crank time at the 12 V setting
 - **CONVENIENT:** Upper and lower battery service tool storage trays
 - **TOUGH:** 10" foam-filled tires with a C-clip retention ride on a solid steel axle
 - **Technical Support:** 866-713-6007
 - **Optional battery service kit 2005BSKA** can be stored in the upper compartment
- Note: The STD/Ca battery type selection is for Standard Lead Acid and some European vehicles use calcium batteries; both types operate with the same charge algorithm



EEBC5CABLE-A



EEBC5CABLE-E



EEBC5CABLE-U



EEBC5CABLEU2



EEBC500CVR

Battery Charger Plus™

- Select cables for use with EEBC500INT only
- **EEBC5CABLE-A Australia Power Supply**
 - Power supply, Australia
- **EEBC5CABLE-E Europe Power Supply**
 - Power supply, Europe
- **EEBC5CABLE-U United Kingdom Power Supply 16 A**
 - Power supply, United Kingdom
- **EEBC5CABLEU2 United Kingdom Power Supply 13 A**
 - Power supply, United Kingdom
- **EEBC500-15¹ 15' Positive and Negative Cable/Clamp Set**
 - Lead set for the EEBC500 Series
- **EEBC500CVR Battery Charger Plus™ Cover**
 - Protective cover for the EEBC500 Battery Charger Plus™ Series and the EEBC400 Series

Bench Top Charger

EEBC30A12V[®] Bench Top Battery Charger Plus™ (Lead Acid and LiFePO4 Vehicle Batteries)

- Unit performs a unique multi-stage charge cycle for each battery type and voltage: 6, 8, 12 V AGM and STD/Ca lead-acid or 12 V LiFePO4 Lithium Iron Phosphate
- Select the charge rate of 2, 15 or 30 A (LiFePO4 batteries 12 V and 2 or 10 A only)
- The large sunlight readable color display prompts the user with selections, provides charge status and diagnostic information in six languages
- Enjoy the clever cable management system, wrap the cables in the slot and the bristles hold the clamps in place
- Utilize the convenient retractable hook to hang the charger at eye level under hood
- Stable Power Mode maintains vehicle battery voltage during vehicle repair and battery drawdown while the engine is off (Note: Not Flash Reprogram mode)
- Ultimate performance from long reach 82" copper-aluminum blend 8-gauge multi-temperature flex cables and tough 300 A steel clamps
- Reverse polarity identification, automatic operation and overcharge protection help with safety in the shop
- Use the finger access handle for carrying the charger from the 4" tool box drawer to the job
- Field replaceable cables and AC power cord (EEBC30A12V-CABCLP and EEBC30A12V-CORD)
- Two year warranty; if the charger requires service it is repaired at Snap-on[®] facilities worldwide

Note: Not for use on EV battery packs that propel the vehicle.
For indoor use only, not rated or sealed for wet environment.



EEBC30A12V

Basic Chargers

EEBC100A[®] Battery Charger/Engine Starter (Blue-Point™)

- Tough steel clamps with copper jaws bite and hold top or side mount battery terminals tight
- 200 A 12 V engine starting available
- 40 A boost mode to energize the battery
- 2–6 A maintain mode floats as needed
- 6" wheels move easily over rough ground
- Rugged retractable handle provides convenient storage
- Master switch allows toggling from charge to engine start and off
- Start/Stop button initiates a charge or boost cycle, and a quick stop if needed
- Digital display indicates the voltage selected (6 or 12), the vehicle battery voltage and percent of charge; it also indicates the output current in amps being applied to the vehicle
- Technical Support: 866-713-6007



EEBC100A

Bench Top Charger

EEBC61220 Bench Top Battery Charger (Blue-Point™)

- INTELLIGENT: Automatic battery charger utilizes an advanced multi-stage charging algorithm for an optimal charge; start the charging routine and walk away—the charger does the rest, without overcharging
- VERSATILE: Properly charges all types of lead-acid batteries: standard, AGM and gel, of which each type may also include: flat plate, spiral wound, deep cycle and marine
- SAFE: With reverse polarity protection and automatic operation, the charger brings safety to the shop
- CONVENIENT: A quick override sequence allows the unit to charge batteries with very low voltage conditions
- INFORMATIVE: Digital display indicates the battery voltage or charge percentage



EEBC61220



- Charger must be OFF when connecting or disconnecting leads.
- DO NOT overcharge batteries.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

BATTERY CHARGERS



EEBC-FLASH

Bench Top Charger

EEBC-FLASH¹ 100 A FLASH 10/40/60 A Charge, 12 V (Blue-Point®)

- Automatic charging mode for easy operation
- 60 A max charge for fast charging of 12 V lead acid batteries up to Group 31
- Properly charges a variety of lead acid battery types including Standard, Flooded, AGM and Spiral Wound
- Power supply mode to support flash reprogramming 100 A unlimited duration
- Precise voltage control and quick response to load
- Extra long 13' cables reach all vehicle starting points
- Ability to manage depleted and sulfated batteries
- 110 V AC (North American unit only) 20 Amp Shop Service Required

EEBC-FLASH¹ AC Power Cord**EEBC-FLASH² Positive Cable Clamp Assembly****EEBC-FLASH³ Negative Cable Clamp Assembly****EEBC-FLASH⁴ Control Label Kit****EEBC-FLASH⁵ Foot Repair Kit**

EEBM500B

Battery Maintainer

EEBM500B¹ 4 A 12 V Battery Maintainer + LiFePO₄

- Maintains battery voltage on stored cars, trucks, boats, SUVs, motorcycles and more so they start when required
- Now able to charge 12 V lithium LiFePO₄ vehicle batteries and conventional lead-acid (standard, maintenance-free, AGM, gel and deep-cycle batteries)
- Fully automatic 6/12 V operation, 4 A charging rate
- Perfect for new car showrooms to maintain battery voltage while car accessories are turned on to show customers
- Includes a quick-connect output cord with clamp set, ring terminal set and 12 V adaptor output accessories
- LED charging status indication, including completion, reverse polarity

and battery faults; convenient hang tag to show all diagnostic information about the charge process and the vehicle battery status

- Other diagnostic code LED indicators include: Desulphation mode, check connection and power outage notification
- The eyelet cable can be permanently connected to a stored vehicle battery for future use—order more EEBM500-2 Ring Kits for additional vehicles
- Requires 110 V AC North American style outlet to power unit

EEBM500-1¹ Clamp Set

- Clamp set for EEBM500 & EEBM100

EEBM500-2² Ring Kit

- Ring kit for EEBM500 & EEBM100

EEBM500-3³ 12 V Plug

- 12 V Plug for EEBM500 & EEBM100



EEBM4BANK

Battery Maintainer

EEBM4BANK² Four Bank Battery Maintenance Station (Blue-Point®)

- Four independent channels; (3) 12 V and (1) 6/12 V
- Automatic operation
- Sealed case
- Small footprint
- VERSATILE: Properly charges and maintains all lead-acid battery types including: conventional flooded, AGM, spiral wound, marine and deep cycle
- INTELLIGENT: Utilizes an advanced multi-phase charging algorithm for an optimal charge every time
- BENEFICIAL: Charge and maintain process results in improved battery condition and restored reserve capacity
- SAFE: With reverse polarity protection and automatic operation, the charger brings safety to the shop

EFFICIENT: Independent outputs means that a troublesome battery on one channel does not create issues for the other channels

CONVENIENT: Retractable hanger for underhood, wall mount with four-hole back panel or benchtop use

Quick set up and smart display icon feedback results in effective charging for your operation

LED indicators for reverse polarity, charging status, diagnostic battery errors and more

Includes (4) 6' quick-connect lead/clamps (EEBM4BANK-1)

Optional 10' Extension Cable (EEBM4BANK-2), 18" Lead/Clamps (EEBM4BANK-3) and 18" Ring Terminal Leads (EEBM4BANK-4) are available for a variety of shop needs

Power Inverters

EEPI2250[®] Power Inverter

- 2,250 W of continuous power and 4,500 W peak power to run a wide variety of tools, electronics and appliances
- Stable, clean, reliable power with a high surge capacity and modified sine wave for use in the most demanding applications
- (3) 120 V AC outlets
- For tow trucks, fleets, construction vehicles and military use
- Unit must be hard-wired into a vehicle
- Convenient digital power display provides constant status of input voltage and output wattage to help manage power demands
- Heat dissipating fan turns on only when needed to reduce battery demand and save battery reserve capacity
- Rugged construction and mounting plate for easy installation in fixed positions
- Provides multiple safety features including overload protection, overheat protection, low voltage alarm, low voltage shut down and over-voltage shut down



BATTERY, STARTING AND CHARGING SYSTEM TESTERS



Battery System Testers

- Select the perfect battery, starting and charging system tester for your shop by comparing features on the table—Basic, Enhanced, Wireless or Advanced
- Test autos, trucks, motorcycles, ATVs and more
- Horizontal hand hold position with easy thumb access buttons enhance the user experience
- Superior accuracy with CCA-required input and conductance technology for rendering battery, starter and charging system status
- Available with either a built-in or external printer (EECS150 does not have print capability)



- Charger must be OFF when connecting or disconnecting leads.
- DO NOT overcharge batteries.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

BATTERY, STARTING AND CHARGING SYSTEM TESTERS



Battery System Testers

| Specifications | EECS150 ¹ | EECS350 ¹ | EECS550A ¹ | EECS750A ¹ |
|----------------------------------|--------------------------|--|---|---|
| Model | Basic | Enhanced | Wireless | Advanced |
| CCA Range | 100-1,400 | 100-1,700 | 100-2,000 | 100-2,000 |
| CCA Input | • | • | • | • |
| Volts | 12 | 9/8/12 | 6/8-12/24 (24 V Truck Packs of 12 V only, no 24 V Aviation Batteries) | 6/8-12/24 (24 V Truck Packs of 12 V only, no 24 V Aviation Batteries) |
| Rating Systems | SAE, EN, IEC | SAE, EN, IEC, DIN, JIS | CCA, CA, SAE, EN, IEC, DIN, JIS | CCA, SAE, EN, IEC, DIN, JIS, MCA |
| Battery Type | Standard, AGM | Standard, AGM, EFB | Standard, AGM, GEL, EFB | Flooded, AGM, Gel, EFB and Nonstar Pure Lead AGM |
| Battery Pack | — | — | Yes, Series | Yes, Series/Parallel |
| Displays Battery Condition | • | • | • | • |
| Displays Battery Voltage (SOC) | • | • | • | • |
| Displays % of CCA | • | • | • | • |
| Tests Discharged Batteries | • | • | • | • |
| Reverse Polarity Protection | • | • | • | • |
| Cable Integrity Technology | • | • | • | • |
| Bad Cell Detection | — | • | • | • |
| Temperature Compensation | — | ± 32 °F | ± 32 °F | 4 Ranges |
| Poor Connection Detection | • | • | • | • |
| Custom Header with Date and Time | — | • | • | • |
| Retention | — | — | — | Hanger |
| Retention Magnet | — | • | On Battery Unit | — |
| Post/Stud Adaptors | — | • | • | • |
| Surface Charge Warning | — | • | • | • |
| Integrated Printer | — | — | — | • |
| System Test | Yes - Voltmeter | Yes - Starting/Charging/Ripple/Voltage | Yes - 12/24 V Starting/Charging/Ripple | Yes - Menu-Driven Routine with Ripple Detection and Graph |
| Printer Capable | None | IR to EECS-Printer (opt.) | IR to EECS-Printer (opt.) | Integrated |
| Communication | — | — | Bluetooth® Between Modules | USB |
| Wireless Controller | No | No | Bluetooth® | — |
| Display | LCD Backlit (3.1" diag.) | LCD Backlit (3.1" diag.) | LCD Backlit (3.1" diag.) | Color 3-1/2" (14 VGA) |
| Clamps | Small | Medium | Medium | Large |
| Cable Length, feet (m) | 7 (8) | 4 (1.2) | 2 (8) | 10 (3) |

Patents: 5,757,192; 5,831,435; 6,351,102

Patents Pending: 5,821,796; 5,941,234; 7,034,541; 7,363,175; EP0990180; DE0990150



EECS-PRINTER

EECS-PRINTER Wireless Printer (Blue-Point®)

- Optional wireless IR printer for use with battery, starting and charging system testers EECS350 and EECS550A
- Point system tester towards printer up to 10' (3.05 m) away
- Comes with four most common AC adaptors for international use
- Provides quick record of test results to be attached to vehicle owners paperwork

ENGINE STARTERS



EEJP700



EEJP12V



EEJP1224



EEJP4001

Engine Starters, Lead Acid

| Specifications | EEJP700 [†] | EEJP12V [†] | EEJP1224 [†] | EEJP4001 ^{††} |
|--|-----------------------------------|--|---|--|
| Description | 12 V Engine Starter Plus with AGM | 12 V Lead-Acid Engine Starter (Blue-Point [®]) | 12 and 24 V Lead-Acid Engine Starter (Blue-Point [®]) | 12/24 V Wheeled Heavy-Duty Engine Starter (Blue-Point [®]) |
| Cranking Amps, 12 V | 550 | 425 | 890 | (based on batteries user installs) |
| Built-In Internal CEC/DOE Charger | DOE, CSA and UL Rated | Yes | — | Yes |
| Charger Rating | 3 A/120 V AC | 3 A/120 V AC | 1.5 A/120 V AC | 7 A (per battery)/120 V AC |
| Automatic Smart Charger with Overcharge Protection | Yes | Yes | Yes | Yes |
| 12 V DC to DC Cord Included | No | EEJP1224-1 | EEJP1224-1 | No |
| Positive and Negative Cable Length, inches (mm) | 65 (1,651) | 68 (1,728) | 46 (1,169) | 120 (3,048) |
| 12 V Auxiliary Outlet | No | Yes, 15 Amp | Yes, 15 Amp | No |
| Weight, lb (kg) | 33.5 (15.2) | 23 (10.4) | 40 (18.14) | 77 (35) Without Batteries |
| Reverse Polarity Protection | Sound, Display and ICON | — | — | Yes |
| Digital Display Accuracy | ± 0.3 V DC | ± 0.3 V DC | — | ± 0.3 V DC |
| Digital Display Resolution | 0.1 V DC | 0.1 V DC | — | 0.1 V DC |
| USB Port Type | 5 V DC 2.4 A, 5 V DC 3.0 A | 5 V DC, 2.1 A 5 V DC, 1.1 A | — | — |
| Field Replaceable Battery | EEJP700-BAT | EEJP12V-BAT | EEJP600-S01R (x2) | (User installs own batteries) |
| Error Codes on Display | Yes | Yes | — | Yes |
| Operating Temperature | 0–122 °F (-18–50 °C) | 0–120 °F (-18–49 °C) | 0–120 °F (-18–49 °C) | 0–120 °F (-18–49 °C) |
| Warranty | 1 Year | 1 Year | 1 Year | 1 Year |

[†]Note: Truck may have (4) batteries, 1,000+ CCA each; customer purchases (2) batteries with the desired CCA. ASSEMBLY REQUIRED (Batteries not included)

EEJP700[†] 12 V Engine Starter Plus with AGM

- Powerful 550 Cranking Amps from a high output sealed 33 Ah AGM field replaceable internal battery
- Press Volts button to display DC Voltage of internal battery, or when connected to a vehicle, display auto battery (A) or blended jump ready (J) DC voltage
- Long reach 65" field replaceable cables using tough hi-current flow 2 gauge wire
- Patent Pending quick and convenient magnetic side holders for clamps and top handle area can temporarily hold clamps as well
- Instant on 5 V DC 2 A USB and 5 V DC 3 A USB-C to charge or power phones and devices
- 3 A field replaceable charger will not over-charge—should be plugged in when not in use to extend internal battery life
- Charge internal battery via 110 V AC from shop, using heavy-duty shop owned cord (plugs into back of unit)
- Digital display also indicates coded messages such as: charging, full charge, bad internal battery, failed internal charger, reverse polarity and more
- ICONS light up for reverse polarity, USB ports on, or clamps live
- Battery, cables and charger are field replaceable (EEJP700-BAT, EEJP700-NEGCC, EEJP700-POSCC, EEJP700-CHARGER)
- Separate on/off switch for engine starting is safer and convenient

EEJP12V[†] 12 V Lead-Acid Engine Starter (Blue-Point[®])

- Portable unit provides crank assist to stalled vehicles
- 68" long heavy 2-gauge cables remain flexible in extreme temperatures enabling ideal unit placement during starting
- Dual USB ports (1.1 A and 2.1 A) provide charging power to small electronic devices
- 3 A built-in 110 V AC charger will not over-charge, to extend battery life, plug in when not in use with heavy-duty shop owned cord (not included)

- High-intensity LED light is perfect for dark underhood or night situations
- 425 Cranking Amps, 350 Cold Cranking Amps @ 12 V
- 12 V CLA supply to power accessories
- Digital display indicates internal battery voltage
- Clamps have a dual-molded grip and 1,000 A capacity

EEJP1224[†] 12 and 24 V Lead-Acid Engine Starter (Blue-Point[®])

- Portable unit provides crank assist to stalled vehicles
- Convenient tough connectors to switch between 12 V, 24 V or off (unplugged)
- Analog voltmeter provides charge status of internal batteries
- 1.5 A built-in 110 V AC charger will not overcharge; to extend the battery life, plug in when not in use with the included cord
- Robust 46" #2 AWG welding cable leads
- Built-in charger keeps the (2) AGM batteries charged so they are ready when you need them
- 12 V DC, 15 A continuous outlet to power accessories

EEJP4001[†] 12/24 V Wheeled Heavy-Duty Engine Starter (Blue-Point[®])

- Perfect for fleets, auction houses, implement dealerships, agricultural or construction operations and any shop with heavy-duty engine starting needs
- 12/24 V commercial engine starter
- Accommodates (2) user owned and installed batteries*; up to group 31 (Batteries not included)
- Built-in charging system maintains the installed batteries so they are ready when needed
- Automatic reverse polarity and voltage spike protection
- Timer, remote switch and detachable output cables for safety
- Tough quick connectors to switch between 12 and 24 V output
- 10' engine starter leads enable access to the starting points on vehicles



*Charger must be OFF when connecting or disconnecting leads.

†DO NOT overcharge batteries.

‡These products can expose you to sheetmetal which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.

• Read Safety Precautions on pages W1–W4.

ENGINE STARTERS, LI-ION



Engine Starters, Li-Ion

EEJP201MBK 12 V Li-Ion Compact Engine Starter/USB Charger and Light

- Ideal for personal-use emergency jumps yet powerful enough for the shop
- For use on power sport, motorcycle and 4- to 8-cylinder autos
- Safer starting via reverse polarity, thermal runaway and short-circuit protection
- Able to start vehicles below freezing
- On-screen commands guide the user
- Bright LED work light or flashing SOS
- Charge internal battery with AC from a wall or DC from a vehicle
- Includes safety override for vehicle batteries with less than 1.5 V
- Memory-saver capable with optional OBD-II cable, EEJP200M-4 provides 12 V power to the vehicle saving settings, such as radio, seat position, DTCs keyless entry and more

EEJP200M-4 OBDII To DC 5.5 x 2.0 mm Cable

- OBDII to DC 5.5 x 2.0 mm cable

BOOSTER CABLES



Booster Cables

BC20500A 20' Battery Booster Cable Set

- Low-resistance booster cables with heavy-gauge 100% copper strands send the maximum current to the vehicle being jumped
- 500 A clamps have recessed copper jaws and are fully insulated for safer engine starting
- Heavy-duty clamp jaws and spring bite securely onto top or side post batteries
- 20' long, 2-gauge wire remains flexible in the cold and coils for storage

BC25500PA Plug-In-Style Booster Cables

- Heavy-duty 25' service/tow truck-mounted battery booster cable set
- Heavy-duty clamp jaws and spring bite securely onto top or side post batteries
- Mounting kit included
- Starts the engine of a stranded vehicle without lifting the service/tow truck hood
- Low-resistance booster cables with heavy-gauge 100% copper strands send the maximum current to the vehicle being jumped
- 500 A clamps have recessed copper jaws and are fully insulated for safer engine starting
- 25' long, 2-gauge wire remains flexible in the cold and coils for storage

BATTERY SERVICE TOOLS



MT302BR

Colors Available



Red Orange Green
R O G

ADD SUFFIX TO STOCK NUMBER
FOR SPECIAL COLORS

Remote Start Switch

| Specifications | MT302BR ¹ |
|-----------------------|--------------------------------|
| Voltage | 6, 12 and 24 V |
| Cord Color | Black |
| Cord Type | Straight |
| Cord Material | EDPM |
| Cord Length, ft (m) | 5 (1.5) |
| Wire Gauge | 12 |
| Switch Amps | 40 A @ 6 and 12 V; 20 A @ 24 V |
| Outside Wire Diameter | 0.2 in (5 mm) |
| Handle Type | Instinct [®] |
| Terminal Clip | Copper |
| Boot Material | Flexible Composite |
| Overall Length | 5' 5" (1.65 m) |
| Weight | 0.62 lb (0.27 kg) |

MT302BR¹ Remote Starter Switch

- 5' leads allow cranking the engine from the sides or beneath the auto while keeping hands away from moving belts and parts
- Switch housing prevents dirt and moisture from affecting the performance
- Switch is rated at 40 A at 12 V or 20 A at 24 V
- Patented Instinct[®] comfort-designed handle

BATTERY SERVICE TOOLS



2004BSKA



2005BSKA

Service Kits

2004BSKA 4 pc Battery Service Kit

- Includes (1) angle nose pliers, (1) side battery terminal cleaner, (1) terminal brush and (1) GM® 5/8" battery terminal ratcheting wrench in a kit bag

2005BSKA 5 pc Battery Service Kit

- Includes (1) angle nose pliers, (1) side battery terminal cleaner, (1) cable clamp pliers, (1) cable clamp puller and (1) battery terminal cleaner in a kit bag



BTC10



BTC3A



BTC7B



BTC8A



BTCR1



YA249



YA249L



YA9484

Terminal Tools

BTC10 Side Terminal Cleaner (Blue-Point®)

- Cutters on one side clean battery contacts and a brush cleans the cable contact
- 4-1/2" long

BTC3A Terminal Brush (Blue-Point®)

- Stiff wire bristles thoroughly clean posts and clamps
- 3-3/8" long

BTC7B Terminal Cleaner (Blue-Point®)

- Cleans posts and cable clamps
- Includes a small circular wire brush with a protective cap to clean side terminals
- Plastic body

BTC8A Terminal Cleaner (Blue-Point®)

- Cleans posts and cable clamps
- Plastic body
- 3-1/2" long

BTCR1 Battery Crimp Tool

- Designed to service battery cables while still attached to the vehicle
- Uses a common wrench and ratchet to securely crimp a cable end
- Crimps battery terminal ends up to 0 AWG cable
- Convenient 14 mm, 9/16" hex drive on heat-treated fine thread actuator and a 16 mm, 5/8" hex on the frame to hold it with a wrench while crimping
- Heat-treated for durability

BTCR1-1[†] Main Body

- Main body for the BTCR1 Battery Crimp Tool

BTCR1-2[†] Threaded Bolt

- Threaded bolt for the BTCR1 Battery Crimp Tool

YA249[†] 5/16" Hex GM® Battery Terminal Ratcheting Box Wrench (Blue-Point®)

- Designed for use on GM® side terminal batteries
- 5/16" hex, 5-1/2" long

YA249L[†] 5/16" Side Battery Terminal Ratcheting Box Wrench (Blue-Point®)

- Extra long (9-3/4") for connecting/disconnecting battery side terminals on 1994-later Ford® Aerostar vans and GM® vehicles including 1994-later Pontiac® Grand AM, Grand Prix®, W body cars, plus Buick® Regal®, Oldsmobile Cutlass, Chevrolet® Lumina and Lumina APV
- 5/16" wrench size

YA9484 Battery Terminal Crimper (Blue-Point®)

- Ideal for replacing or repairing battery cable terminal ends
- Design helps prevent overcrimping
- Terminal sizes 6-gauge through 4/0

- Stand clear of vehicle while using remote starter.
- Read and follow safety warnings in the instructions.
- Charger must be OFF when connecting or disconnecting leads.
- DO NOT overcharge batteries.
- Plastic covered handle does not protect against electric shock.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W3-W4



BATTERY SERVICE TOOLS



208CCP



B260A



GA486A



CJ92



BT101



BB6A

GA207A



BL1B

Cable Clamp Tools

208CCP Angle Nose Pliers

- Rounded nose protects the battery from damage
- Jaws are offset 30° for better leverage
- 7-3/4" long

B260A Cable Clamp Pliers

- Spreads and cleans cable clamps
- Prybar on one end
- 7-3/8" long

GA486A Cable Clamp Puller (Blue-Point®)

- Removes cable clamps without damaging posts
- 4" long

CJ92 Cable Clamp Puller

- Self-locking jaws securely grip the terminal and pull without damage to the post
- 1-3/4" spread

Hydrometer

BT101 Battery Hydrometer (Blue-Point®)

- Determines specific gravity from 1.100–1.300
- No temperature tables required or difficult float reading to observe
- Design enables both the customer and technician an opportunity to view the state of the battery acid

Fillers

BB6A Filler Bulb (Blue-Point®)

- 6 oz fluid capacity
- Hard rubber stem features an overflow for dripless filling
- 10-1/2" long

GA207A Automatic Filler (Blue-Point®)

- Insert spout into fill hole and press
- Fills battery to correct level without overflow

Carrier

BL1B Battery Carrier (Blue-Point®)

- For top post and side terminal batteries
- Rubber pads securely grip battery widths from 5–7"
- Plastic hand grip provides a firm hold

AIR CONDITIONING: RECYCLING/RECHARGING SYSTEMS



Air Conditioning Machines

| Specifications | EEAC330B | EEAC331B | EEAC332B | EEAC333B | EEAC334B |
|------------------------------------|----------------------------|-----------------------------|------------------------------|-----------------------------|--|
| Description | PolarTek® ECO A/C Machine | PolarTek® Plus A/C Machine | PolarTek® Hybrid A/C Machine | PolarTek® YF A/C Machine | PolarTek® Dual AC Machine |
| Working Temperature Range, °F (°C) | 14-120 (-10-49) | 14-120 (-10-49) | 14-120 (-10-49) | 14-120 (-10-49) | 14-120 (-10-49) |
| Compressor | 3/8 CV | 3/8 CV | 3/8 CV | 3/8 CV | 3/8 CV (one for each refrigerant) |
| Vacuum Pump | 3 CFM; 2 stage; 40 microns | 6 CFM; 1 stage; 150 microns | 6 CFM; 1 stage; 150 microns | 6 CFM; 1 stage; 150 microns | 6 CFM; 1 stage; 150 microns |
| Types of Refrigerant | R134a | R134a | R134a | R1234yf | R134a and R1234yf |
| Display | Graphic 5" Touchscreen | Graphic 7" Touchscreen | Graphic 7" Touchscreen | Graphic 7" Touchscreen | Graphic 10" Touchscreen |
| Keypad | No | No | No | No | No |
| Command Valves | Manual | Automatic | Automatic | Automatic | Automatic |
| A/C Service Procedure | Semi-Automatic or Manual | Fully Automatic or Manual | Fully Automatic or Manual | Fully Automatic or Manual | Fully Automatic or Manual |
| Voltage | 120 VAC, 60 Hz | 120 VAC, 60 Hz | 120 VAC, 60 Hz | 120 VAC, 60 Hz | 115 VAC, 60 Hz |
| Refrigerant Scale (resolution) | Yes (10 g) | Yes (10 g) | Yes (10 g) | Yes (10 g) | Yes (10 g) |
| Oil Scale (resolution) | Yes (2 g) | Yes (2 g) | Yes (2 g) | Yes (2 g) | Yes (2 g) |
| Onboard Oil Injection | Automatic | Automatic | No | No | No |
| Onboard Dye Injection | No | Automatic | No | No | No |
| New Oil Container | 8.3 oz. (250ml) | 8.3 oz. (250ml) HERMETIC | No | No | No |
| Dye Container | No | 8.3 oz. (250ml) HERMETIC | No | No | No |
| Used Oil Container | 8.3 (250) | 8.3 (250) | 8.3 (250) | 8.3 (250) | 16.6 (500) |
| Filter System | 1 filter for moisture | 1 filter for moisture | 1 filter for moisture | 1 filter for moisture | 2 filter for moisture |
| Vacuum Pump (Service Friendly) | Yes | Yes | Yes | Yes | Yes |
| Service Hoses | 120" | 120" | 120" | 120" | 2 R134a and 2 R1234yf each 120" |
| Refrigerant Tank | 30 lb. refillable | 30 lb. refillable | 30 lb. refillable | 30 lb. refillable | 30 lb. refillable (one for each refrigerant) |
| High Pressure Gauge | 3.2" (80 mm) 580 PSI Cl.1 | 4" (100 mm) 580 PSI Cl.1 | 4" (100 mm) 580 PSI Cl.1 | 4" (100 mm) 580 PSI Cl.1 | 3.5" 580 PSI (one for each refrigerant) |
| Low Pressure Gauge | 3.2" (80 mm) 250 PSI Cl.1 | 4" (100 mm) 250 PSI Cl.1 | 4" (100 mm) 250 PSI Cl.1 | 4" (100 mm) 250 PSI Cl.1 | 3.5" 250 PSI (one for each refrigerant) |
| Thermal Printer | No | Yes | Yes | Yes | Yes |
| Tank Heater | Yes | Yes | Yes | Yes | Yes (one for each refrigerant) |
| Status Light | No | Yes | Yes | Yes | Yes |
| SW Update SERVICE FRIENDLY | Yes (USB key) | Yes (USB key) | Yes (USB key) | Yes (USB key) | Yes (USB key) |
| Service Archive | Yes | Yes | Yes | Yes | Yes |
| Vehicle Database | Yes (USB key) | Yes (USB key) | Yes (USB key) | Yes (USB key) | Yes (USB key) |
| Service Hose Flushing Function | Yes | Yes | Yes | Yes | Yes |
| Gas Identifier | Not Available | Not Available | Not Available | Yes | Yes |

TECHNICAL SUPPORT: 800-225-5786



- Plastic coated handle does not protect against electric shock.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

ACCESSORIES



EEAC325A1



EEAC330-23B



EEAC330CVR



EEAC334CVR



ACTFILTERPL



ACTFILTER1



EAK0030C01AB



ACT71-0A



EAK0029C01AB

A/C Service Center Accessories

EEAC325A1 Filter Dryer

- Spin-on filter dryer for EEAC324A, EEAC325A, EEAC324B, EEAC325B, EEAC325BH and EEAC326
- Mandatory filter lock-out will occur after filtering 150 lb of refrigerant

EEAC330-23B Filter Dryer

- Filter Dryer for all PolarTek® machines

EEAC325A4 Oil Drain Bottle

- Oil Drain Bottle for EEAC324B/EEAC325B

EEAC330CVR Cover for PolarTek® A/C Machines

- Protects machines from dust, moisture, and overall shop environment
- Form-fitted with small hook-and-loop rear opening for easy on-and-off
- Polyester
- For EEAC330, EEAC330A, EEAC331, EEAC331A, EEAC332, EEAC332A, EEAC333 and EEAC333A machines

EEAC334CVR Cover for PolarTek® Dual A/C Machine

- Protects machine from dust, moisture and overall shop environment
- Form-fitted with small hook-and-loop rear opening for easy on-and-off
- Polyester
- For EEAC334 machine

ACTFILTERPL Sealant and Dye Filter (Blue-Point®)

- Filters and separates A/C sealants, dyes, debris, lubricants and other contaminants
- Damage results from Type I sealants or Type II entering A/C service equipment from a vehicle during servicing
- ACTFILTERPL is not required or recommended for SAE® J2788 certified EEAC324A/EEAC325A and EEAC324B/EEAC325B recyclers
- Works with all R134a A/C service centers
- Traps lubricant, dye and oil sludge
- Permits consistent flow, even after trapping a large volume of contaminants

ACTFILTER1 Replacement Filter Kit (Blue-Point®)

- Replacement filter for ACTFILTERPL

Master Dryer Kit

EAK0030C01AB Master Dryer Kit

- Filter/dryer kit is used on virtually all A/C service units, such as early R12 models and later R134a models
- Use with EEAC301B, EEAC304D, EEAC313A (R12 side), EEAC316A, EEAC318A, EEAC319A, EEAC320A
- Filter/dryer should be changed regularly depending on unit usage
- Includes filter and instructions

Oil Change Kits

ACT71-0A Vacuum Pump Oil (Blue-Point®)

- 32 oz bottle

EAK0029C01AB Compressor Oil Change Kit

- Use on EEAC310A, EEAC313A, EEAC316A, EEAC318A, EEAC324A/EEAC324B and EEAC325A/EEAC325B
- Includes two quarts of oil, parts and instructions

Filter Dryers

EAK0030C02AB Master Dryer Kit

- Use on EEAC313A (R134a side)

EAK0095C01AB Filter Dryer

- Use on EEAC307C, EEAC308C and EEAC310A (R12 side)

EAK0095C02AB Filter Dryer

- Use on EEAC313A (R134a side)



Heated Sensor Leak Detectors

| Specifications | ACT825 [†] | ACT900 | ACT925 | ACT785B |
|---|---|---|--|---|
| Sensitivity Range | ≤0.05 oz/yr (1.5 g/yr); ≤0.25 oz/yr (7 g/yr); ≤0.50 oz/yr (14 g/yr) | .05 oz/yr (R134a); .015 oz/yr (R134yf); .03 oz/yr (R22) | .05 oz/yr (R134a); .015 oz/yr (R1234yf); .03 oz/yr (R22) | .05 oz/yr (R134a); .015 oz/yr (R134yf); .03 oz/yr (R22) |
| UV Mode | True | (3) UV LEDs | — | — |
| UV Wave Length | 390–400 nm | 395–415 nm | — | — |
| Inspection Light Mode | — | White LED Lights | — | — |
| Sensing Tip Life | 2,000 Hours | >500 Hours | >500 Hours | >500 Hours |
| Power Supply | (2) D Batteries (Alkaline) | (4) AA Batteries (Alkaline) | (4) AA Batteries (Alkaline) | (4) AA Batteries (Alkaline) |
| Battery Life (Continuous Use), hours | 80 | 8 | 8 | 8 |
| Warm-Up Time | <40 Seconds | <20 Seconds | <20 Seconds | <20 Seconds |
| Automatic and Manual Calibration | Yes | Yes | — | Yes |
| Probe Length | 16" | 17" | 17" | 17" |
| Warranty | 3 Years (Leak Detector Only); 1 Year (Mini UV Flashlight) | 3 Years (2 Years on Sensor) | 3 Years (2 Years on Sensor) | 3 Years (2 Years on Sensor) |
| Display | LCD | Color Graphic LCD | — | Seven Segment Digital (1–E) |
| Alarm Near Sensor | Unit Will Alarm | Visual LED at Tip | — | Visual LED at Tip |
| Carrying Case | Included | Included | — | Included |

ACT825[†] Refrigerant Gas Heated Sensor Leak Detector

- SAE certified electronic leak detector with color LCD display
- Displays the relative magnitude of leaks detected
- Displays unit readiness: wait, ready or interference
- Low, medium and high sensitivity with visual indication
- Displays the selected mode: peak, hold or mute
- Displays accumulated sensors hours on request with a low battery indicator
- Large color LCD display
- Flexible 15.5" probe
- Meets/exceeds SAE J2791 (R134a) and SAE J2913 (R1234yf) certifications
- Highly sensitive sensor detects extremely low levels of chlorofluorocarbon gases

ACT900 Refrigerant Leak Detector

- Patented 3-LED UV lighting; 395–415 Nm wavelength for optimum air-conditioning dye fluorescence
- Sweep mode function to pinpoint leak source
- Unique color LCD display with graphics and messages
- Automatic/manual calibration and reset to ambient levels
- Mute handle with vibrator
- Low battery indicator
- SAE J2791 (R134a) and SAE J2913 certified
- Three adjustable sensitivity levels
- 2 year warranty

ACT925 Refrigerant Leak Detector

- Heated sensor technology
- Long life, stable sensor
- Detects all HFC, HCFC, HFO and HC refrigerants
- Automatic and manual calibration, plus reset to ambient levels
- Three adjustable sensitivity levels
- True mechanical pump
- Low battery indicator
- SAE J2791 (R134a) and SAE J2913 (R1234yf) Certified
- Garage tough

ACT785B Digital Heated Sensor Leak Detector

- Unique digital alarm with numeric leak size indicator
- Long life, stable sensor
- Automatic calibration is useful in heavily contaminated areas—the unit automatically recalibrates (re-zeroes) to ambient levels, which stops the constant alarm, only responding to higher levels of refrigerant; this allows the unit to search for the true source of the leak
- Manual calibration—useful for smaller leaks; this also allows for recalibration to ambient levels, but only when the user chooses to do so (user may want the calibration to remain constant while searching for small leaks)
- Three adjustable sensitivity levels
- True mechanical pump
- Features low battery indicator and mute
- SAE J2791 (R134a) and SAE J2913 (R1234yf) certified, EN14624 certified
- Garage tough
- Visual LED leak alarm near the sensor (with numeric leak size indicator)
- Inspection light utilizes bright 6,000 MCD LEDs
- Includes carry case
- CE approved

ACT7851 Sensor with Filter

- Sensor with filter for the ACT785 Leak Detector

ACT7852 Filter Kit

- Filter kit for ACT785



- Wear safety shield (user and bystander).
- Read and follow safety messages in the instructions.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W4.

AIR CONDITIONING: SERVICE EQUIPMENT



ACT120A

Electronic Refrigerant Scale

| Specifications | ACT120A [®] |
|--------------------------------------|---|
| Capacity, lb (kg) | 240 (110 kg) |
| Accuracy | ±18 oz (±0.01 kg) or 0.1% of Reading (whichever is greater) |
| Resolution | 0.01 lb (0.01 kg) |
| Ambient Operating Range, °F (°C) | 32-120 (0-50) |
| Platform | 9" (228.6 mm) Square |
| Power Supply | 9 V Battery (included) |
| Battery Life (Continuous Use), hours | 40 |

ACT120A[®] Portable Electronic Refrigerant Scale (Blue-Point[®])

- For use with R12, R134a or R1234yf refrigerants
- Reads transfer amount during charging or recovery operations
- Reads in pounds or kilograms
- Auto off function after three hours



ACTUVPROKT

Metered UV Injection Kit and Accessories

ACTUVPROKT[®] Metered UV Injection Kit

- New technology dye injection solution
- One precise squeeze of the trigger per application
- More accurate than caulk-style guns
- Includes a high-capacity 12 oz cartridge that covers 96 applications

ACTUVPROB[®] Dye Cartridge (8 oz)

- 8 oz dye cartridge for ACTUVPROKT
- Replacement 8 oz cartridge with 64 applications for use with ACTUVPROKT
- Universal dye is safe for all A/C systems, SAE certified and OEM approved

ACTUVPRO[®] Injection Gun

- Replacement Injection gun for a ACTUVPROKT metered UV injection kit



ACTUVGUNB8

ACTUVGUNB

Ultraviolet Leak Detector Kits

- Inject the dye in low side port on an automotive A/C system, circulate and check for leaks with the UV mini light
- Detects leaks as slow as 1/4 oz per year
- Uses optional dyes to check for leaks in engines, transmissions, hydraulic systems and power steering systems

ACTUVGUNB Injection Gun Kit

- Includes (1) 8 oz dye cartridge, and injector
- **ACTUVGUNB8 Universal Dye Cartridge (8 oz)**
- 8 oz universal dye cartridge services up to 64 applications
- SAE J2297 certified and OEM approved dye
- Service stickers included

ACTUVKITD R12/R134a UV Leak Detection Kit

- Includes (1) 8 oz dye cartridge, (1) R12 Injection Gun Adaptor, (1) R134a Injection Gun Adaptor, (1) pair of UV enhancing glasses, (1) injector and (1) rechargeable true UV light



ACTUVKITD

Ultraviolet Leak Detector Dye Cartridges/Accessories

| Stock No. | Description (Chart) |
|-------------|--|
| ACTUVGUNA9 | R134a Injection Gun Adaptor |
| ACTUVGUN6 | R1234yf Injection Gun Adaptor (Blue-Point [®]) |
| ACTUVGUN5 | R134a Injection Gun Adaptor (Blue-Point [®]) |
| ACTUVLITE4 | UV Safety Glasses (Blue-Point [®]) |
| ACTUVLITEA9 | Storage Case |



ACTUVK25

Ultraviolet Leak Detector Kits (High Intensity Light)

ACTUVK25 Dye Cartridge with Service Labels

- 25-application dye cartridge with (25) A/C service labels

GLASS20BKYA Safety Glasses

- Soft padded elastomer brow guard provides maximum comfort
- Ventilation channel between frame and lens

- Five position temple length adjustment
- Three position tilt adjustment
- White Snap-on[®] logo on temples
- Lens provide 99.9% UV protection
- Wrap around lens
- Passes military Vo ballistic test regimen at seven times impact velocity of ANSI[®] and CSA[®]
- Complies with ANSI[®] Z87.1, CSA[®] Z94.3 and MIL-STD-662 standards



GLASS20BKYA



ACTUVMINI4



ACTUVINJKTA



ACTUVKTRHTA

Ultraviolet Leak Detector Kits (LED Lite)

ACTUVMINI4[†] Mini LED UV Flex Light and UV Goggles Kit (Blue-Point[®])

- Bright LED light with a 12" flexible probe gets into tight spots
- Comfort grip light handle has a convenient on/off button
- Includes a flex light and UV safety glasses

ACTUVINJKTA A/C Leak Detection Kit

- Detects A/C refrigerant leaks quickly and easily
- Universal A/C dye is SAE[®] certified and OEM approved
- Includes Universal A/C dye to service up to 40 vehicles (ACTUVKTRHTA for refills), exclusive gun-style injector and dye cartridge, powerful 1 W Luxeon[®] light (compatible with fluorescent dye), UV glasses, a convenient storage case, an R134a adaptor and service stickers

ACTUVKTRHTA Dye Cartridge

- Four 1 oz cartridges for use with ACTUVINJKTA
- Services up to 40 vehicles

ACTUVC10 Dye Cartridge with Service Labels

- 10-application dye cartridge with (10) A/C service labels

ACTUVDYEB Universal Dye

- 8 oz bottle with a precise measuring chamber

Universal A/C Dye

ACTRS3625 Universally Compatible A/C Dye

- Universal dye for automotive and HVAC A/C systems
- Cost-efficient, concentrated dye is SAE[®] J2297 approved
- 25 applications per 2 oz bottle; 1/12 oz per application
- For automotive use, one application equals 1/12 oz (2.5 ml), per 10 oz (300 ml) of oil
- For HVAC use, one application equals 1/12 oz (2.5 ml) per 7 lb (3.2 kg) of refrigerant
- Dye may be injected using any standard dye/oil injector, including the recommended Snap-on[®] ACT53134A injector
- Compatible with all oils
- After injecting the dye into an automotive or HVAC A/C system and allowing it to circulate, throughout system—then use a UV light to locate the leak



ACTRS3625

Ultraviolet Flashlights

CTLUV761 14.4 V MicroLithium UV Cordless Work Light

- Detect leaks with this 14.4 V MicroLithium cordless UV Work Light
- Compatible with standard leak detection dyes
- Inspection range of 8 ft or more
- More than 10 hours of run-time
- Tempered-glass lens
- Resists automotive fluids
- Low battery indicator (10 minutes)
- Works great with ACTRS3625 universal dye
- Includes fluorescence-enhancing glasses
- Batteries and charger not included



CTLUV761

Flashlights

ECFUVLEDA True UV Rechargeable Flashlight Kit (Blue-Point[®])

- 400 Nm wavelength—the sweet spot for A/C, oil and coolant dye leak detection
- 95-minute run time at constant power output
- Plug-in charger and UV-enhancing glasses are included
- Focusing lens enables broad and narrow searches
- Lithium ion battery
- Compact aluminum housing
- On/off switch is located on the handle

ECFUV17A[†] 17-LED True UV Flashlight Kit (Blue-Point[®])

- (17) true UV LED bulbs provide impressive illumination
- Aluminum body with textured grip for durability and ease of use
- 25,000 hour bulb life for excellent reliability
- Uses (3) AAA alkaline batteries
- On/off switch is located on the handle
- Amber UV safety glasses also included
- 380–385 Nm UV wavelength
- 22-hour run time under normal work conditions



ECFUVLEDA

ECFUV17A



• Wear safety shield (use steel instead).

• Read and follow safety messages in the instructions.

† These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.

• Read Safety Precautions on pages W1–W4.

AIR CONDITIONING: SERVICE EQUIPMENT



AC Service Kit

ACT91339

ACT91339 O-Ring Service Kit (Blue-Point®)

- Complete O-ring assortment for use on R134a and R12 A/C systems
- Includes 18 common O-ring sizes (270 total)



GLASSUV1

Safety Glasses/UV

GLASSUV1 UV Safety Glasses

- Polycarbonate wrap-around lens
- Black nylon frame
- Adjustable temples and lens inclination for a custom fit
- Lens provides 99.9% protection against UV light
- High impact resistance
- Meets ANSI® Z87.1 and CE EN166 standards



ACTR4151A

Manifold Test Gauges (R134a)

ACTR4151A¹ Manifold Gauge Set

- Manual couplers are spring loaded to eliminate service valve damage
- Extruded aluminum body with solid brass fittings
- High- and low-side silicon anti-flutter gauges (65 mm) reduce vibration
- Sight glass permits visual monitoring of refrigerant flow
- 96" yellow charging hose, plus 72" red and blue hoses



ACTR5134A

ACTR5134A² Premium Manifold Gauge Set

- Extra-large
- 80 mm gauge face and oversized sight glass for better visibility
- Large 1/4 turn open/close manifold ball valves
- Manual high and low couplers for quick connections
- 72" red and blue nylon barrier hoses meet EPA, SAE® and UL® standards
- 96" yellow charging hose



ACTR4772-2



ACTR4772-3

ACTR4772-2¹ Low-Side Quick Coupler

- Low-Side Quick Coupler
- ACTR4772-3² High-Side Quick Coupler
- High-Side Quick Coupler



ACTR9600

Heavy-Duty Manifold Test Gauges

ACTR9600¹ Heavy-Duty Truck/Bus Manifold Gauge Set

- Heavy-duty A/C manifold for large trucks, buses and reefer applications
- Larger profile aluminum block versus smaller import blocks on competitive units
- Heavy-duty conversion couplers for durability
- Couplers are spring-loaded to prevent damage to valve cores
- Silicon-dampened gauges for durability
- Extra-long 96" Goodyear® hoses for added reach; (1) each in red, blue and yellow



ACT51234A

Manifold Test Gauges (R134a/R12)

ACT51234A² Dual Refrigerant Manifold Test Gauge (R12/R134a)

- Three sets of hoses (72" red and blue, plus 96" yellow) permit true interchange between R12 and R134a refrigerants
- Large 1/4 turn positive open/close manifold ball valves
- Oversized sight glass for easy-flow viewing
- Extra-large 80 mm gauge face for better visibility
- Manual high and low couplers for quick connections
- Nylon barrier hoses meet EPA, SAE® and UL® standards
- Extra access port for a vacuum line



ACTR1234YF

ACTR1234YF¹ 1234yf Manifold Gauge Set

- For vehicles using R1234yf refrigerant
- Red and blue nylon barrier hoses with 12 mm male fittings on both ends
- R1234yf high- and low-side couplers
- ACTR1234YF1¹ R1234yf High-Side Coupler
- For vehicles using new R1234yf refrigerant
- ACTR1234YF2² R1234yf Low-Side Coupler
- For vehicles using new R1234yf refrigerant

AIR CONDITIONING: SERVICE EQUIPMENT



ACTRB72



ACTRB96



ACTRR72



ACTRR96



ACTRY72



ACTRY96

Replacement Hoses (R134a)

- Low permeation hoses for internal equipment connections
- 1/2" ACME® fittings
- Hoses comply with SAE® J2197

ACTRB72¹ R134a Replacement Hose

- Blue, 6' length
- Low permeation for internal equipment connections
- 1/2" ACME fittings
- Complies with SAE® J2197

ACTRB96¹ Replacement Hose

- Blue, 8' Length

ACTRR72¹ R134a Replacement Hose

- Red, 6' length
- Low permeation for internal equipment connections

ACTRR96¹ Replacement Hose

- Red, 8' length

ACTRY72¹ R134a Replacement Hose

- Yellow, 6' length
- Low permeation for internal equipment connections
- Built in automatic shutoff

ACTRY96¹ Replacement Hose

- Yellow, 8' length

A/C Hose Crimping Tools

| Stock No. | Description | Fitting Size | Hose Size | Set Contains: |
|-----------------------|-------------------------|--------------|-----------|---------------|
| ACT2100 ¹ | Crimping Tool | — | — | • |
| ACT21003 ¹ | Standard Die Set | #8 | 1/32" | • |
| ACT21005 ¹ | Standard Die Set | #12 | 5/8" | • |
| ACT21006 ¹ | Reduced Barrier Die Set | #6 | 3/16" | • |
| ACT21007 ¹ | Reduced Barrier Die Set | #10 | 1/2" | • |
| ACT21008 ¹ | Reduced Barrier Die Set | #12 | 5/8" | • |

ACTMAN2100¹ Manual A/C Hose Crimper Set (Blue-Point®)

- Easily mounts to a workbench or held securely in a vise
- Includes a complete set of dies covering standard #6, #8, #10 and #12 hose sizes



ACTMAN2100



ACT288



ACT9005



ACT9103



ACT9106



ACT9006

Vacuum Pumps (R12)

| Stock No. | Description | Free Air Displacement | Shipping Weight, lb | Ultimate Vacuum |
|---------------------|---------------------------------|-----------------------|---------------------|-----------------|
| ACT288 ¹ | Vacuum Pump (R12) (Blue-Point®) | Air Operated | 5 | 29 in Hg |

| Stock No. | No. of Stages | Free Air Displacement | Ultimate Vacuum | Motor | Pump Speed | Electrical Specs | Shipping Weight, lb |
|----------------------|---------------|-----------------------|-----------------|--------|------------|---------------------|---------------------|
| ACT9005 ¹ | 1 | 1.8 CFM | 80 Microns | 1/4 HP | 1,440 RPM | 110 V, 60 Hz | 16 |
| ACT9103 ¹ | 1 | 3 CFM | 80 Microns | 1/4 HP | 1,720 RPM | 110 V, 60 Hz | 17 |
| ACT9106 ¹ | 1 | 6 CFM | 80 Microns | 1/3 HP | 1,720 RPM | 110 V, 60 Hz | 22 |
| ACT9006 ¹ | 2 | 6 CFM | 15 Microns | 1/2 HP | 1,720 RPM | 110/220 V, 50/60 Hz | 24.8 |

ACT9005¹ 1.8 CFM Deep Rotary Vane Single-Stage Vacuum Pump (Blue-Point®)

- 1/4 HP, 110 V AC motor
- Ultimate vacuum of 80 microns
- Three inlet port sizes: 1/4 and 3/8" SAE; 1/2" ACME
- Gas ballast valve helps prevent oil contamination
- Easy-access oil fill port
- High-efficiency, single-stage 1.8 CFM pump
- 120 V AC motor
- Weight: 16 lb
- Oil capacity: 6 oz

ACT9103¹ 3 CFM Single-Stage Vacuum Pump (Blue-Point®)

- 1/4 HP, 120 VAC motor
- Ultimate vacuum is 80 microns
- Three inlet port sizes: 1/4 and 3/8" SAE; 1/2" ACME

ACT9106¹ 6 CFM Single-Stage Vacuum Pump (Blue-Point®)

- 1/3 HP, 120 VAC motor
- Ultimate vacuum is 80 microns
- Three inlet port sizes: 1/4 and 3/8" SAE; 1/2" ACME

ACT9006¹ 6.0 CFM Deep Rotary Vane 2-Stage Vacuum Pump (Blue-Point®)

- 1/2 HP, 110/220 V AC motor
- Ultimate vacuum is 25 microns
- Three inlet port sizes: 1/4 and 3/8" SAE; 1/2" ACME
- Easy-access oil fill port
- High-efficiency, two-stage 6 CFM pump
- 120 V AC motor
- Weight: 38 lb
- Oil capacity: 8 oz

- Wear safety shield (eyes and bystanders)
- Read and follow safety messages in the instructions.
- Charger must be OET[®] when connecting or disconnecting leads.
- DO NOT overcharge batteries.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



AIR CONDITIONING: SERVICE EQUIPMENT (R134A, R12, R1234yf)



ACTR82375

Oil and Dye Injectors

ACTR82375[†] 2 oz Oil Injector (R134a only)

- Used to add refrigerant oil or large amounts of UV leak-detection dyes to A/C systems
- Quickly adapts to manifold gauge sets or charging equipment
- 1/2" ACME male x 13 mm R134a low side female threads
- 2 oz capacity
- For R134a use only



ACT53134A

ACT53134A[†] Oil Injector (Blue-Point[®])

- Great for use on standard or hybrid R134a systems
- Any dye/oil can be put into the ACT53134A and injected into the system
- Dye/oil can be injected while the system is under a vacuum, or against the pressure while the system is full and running
- Heavy-duty anodized aluminum construction for years of reliable use
- Injection measurements are 1/10 oz for concentrated dye, 1/4 oz for standard dye and ml



ACT53135

ACT53135[†] R1234yf Refill Dye/Oil Injector (Blue-Point[®])

- Refillable oil/dye injector for R1234yf vehicles
- Heavy-duty aluminum construction for years of reliable performance
- Complete with a R1234yf low side coupler
- Easy twist-style injector for accurate measurements



ACT1297

Valve Core Tools

ACT1297[†] Master Valve Core Tool Set (R134a/R12)

- High side GM[®]/Ford[®] R12 adaptor (1/4 x 3/16")
- High side Ford[®] R12 adaptor (1/4 x 1/8")
- GM[®] large bore valve core remover/installer assembly
- JRA R134a valve core remover/installer assembly
- Eton R134a low side valve core remover/installer assembly
- Eton R134a high side valve core remover/installer assembly. Valve assembly enables changes under pressure
- R134a high side connector (16 mm)
- R134a low side connector (13 mm)—1/4" FL swivel connector
- Plastic box for set component storage



ACT2105

ACT2105[†] Orifice Tube Service Kit

- Installs and removes any style orifice tube
- Removes broken screens and tubes
- Includes an auger point shaft puller, brass extension, puller, remover arbor, remover nut and a storage case



ACT1298

ACT1298[†] R1234yf Remover/Installer Kit

- Valve core remover/installer for R1234yf vehicles
- Removes valve cores with no refrigerant loss
- Ball valve construction for years of reliable service
- 17 and 14 mm high- and low-service couplers
- Covers all R1234yf valve cores

Can Tapper Valve

ACT1013 R134a 1/2" ACME-M Self-Sealing Design Can Tap Valve

- 1/2" ACME used for resealable R134a cans
- All metal construction for durability
- Gasket assures leak-proof operation
- Full-grip valve knob
- Built-in safety check valve

ACT413A[†] Side Mount Can Tap Valve

- Fits R134a (2-7/8"), R12 (2-1/2") and oil (2") US standard charge cans
- Includes 1/2" ACME-M and 1/4" FL-M ports
- Internal safety check valve prevents system backflow
- Composite construction with brass ports
- Includes an insert for smaller cans
- Locking handle provides constant pressure

ACT813 R1234yf Piercing Design Recharge Kit

- Charge A/C systems using R1234yf pierce designed cans
- R1234yf 1/2" ACME-LH thread piercing design can tap valve
- R1234yf Low Side Quick Coupler 12 mm-F x 14 mm
- R1234yf 18" blue hose
- Full grip knob design
- Gasket protected for leak-free use

ACT913 R1234yf Self-Sealing Design Recharge Kit

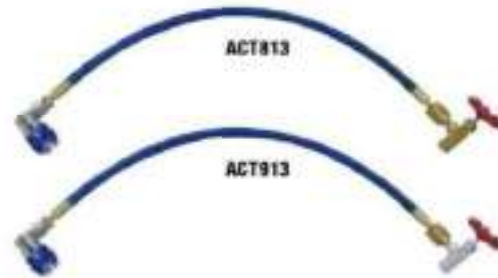
- Charge A/C systems using R1234yf self-sealing, reusable designed cans
- R1234yf 1/2" ACME-LH thread self-sealing design can tap valve
- R1234yf Low Side Quick Coupler 12 mm-F x 14 mm
- R1234yf 18" blue hose
- Full grip knob design
- Gasket protected for leak-free use



ACT1013



ACT413A



ACT813

ACT913

Seal and Clutch Service

ACT1300B[†] A/C Clutch Remover Set

- Simplifies removal/installation of A/C compressor clutch and clutch plates
- Provides access to shaft seals
- For use with Ford®, Chrysler® and GM® vehicle A/C compressors
- Includes an adjustable spanner wrench



ACT1300B



- Wear safety shield/eye and hand/foot.
- Read and follow safety messages in the instructions.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on page W3-W4.

AIR CONDITIONING: SERVICE EQUIPMENT



TEMP100



TEMP200



ACT73A



ACT83A

Thermometers

TEMP100 Multi-Functional Thermometer

- Temperature range of -58–400 °F covers extremes for a multitude of applications
- Overall length enables maximum reach of 6-15/64"
- Magnet on the end of the protective sleeve can be used as a pickup tool
- Reads in Fahrenheit (F) or Celsius (C)
- Can be calibrated in the field
- Snap-on® Instinct® handle
- Narrow tip steel shaft provides quicker readings than thicker shaft units
- Easy-to-read LCD display
- Data hold button holds readings especially in hard-to-see areas
- Handy pocket clip for easy access of the tool at all times
- Auto power off (35 minutes)
- Dual magnets on the pocket clip to mount to ferrous surfaces, such as a tool storage unit
- Slots in the pocket protector result in quick air temperature readings
- Verifies A/C and heating system temperatures to ensure proper functioning
- Checks vent temperatures to ensure proper system airflow to each vent

TEMP200 Digital Dual Thermometer

- Provides the ability to measure temperature at two different locations, provides a differential value and expedites the tuning of HVAC systems
- 10' cable provides the ability to support larger vehicles, multi-vented SUVs and other similar applications
- Large easy-to-read LCD provides quick and accurate usage of the tool
- Strong clip on the back of the housing provides the ability to quickly attach the main unit to most venting systems
- Handy magnetic tip on the external sensor provides the ability for hands-free operation and measurement
- Large magnet on the back of the clip provides the unit a more versatile attachment method within engine compartments and other ferrous locations
- Temperature range: Internal -4–122 °F/-20–50 °C; External -58–158 °F/-50–70 °C
- Accuracy: ±1

ACT73A Dual Scale Dial Type Thermometer (Blue-Point®)

- Range 0–220 °F in 2° increments
- Checks temperature of condenser, outside air and cooling power
- Pocket clip for easy locating and mobility
- Gauge is 1-3/4" dia.; Stainless steel shaft is 5" long

ACT83A Pocket Dial Type Thermometer (Blue-Point®)

- Temperature range 0–220 °F in 2° increments
- Immerse stem about 2" in liquids, 4" in gases
- Checks temperature of condenser, outside air and cooling power
- Pocket clip for easy locating and mobility
- Magnifying lens makes reading easy
- Gauge is 1" dia.; Stainless steel shaft is 5" long



Service Tools

ww Flush Kit (Blue-Point®)

- Pressure flush condensers, evaporators and refrigerant lines after A/C system is completely discharged
- Designed to work with any lightweight flushing material that can be mixed with pressurized air
- Includes flush gun, hose, canister and canister adaptor

TR108 Tire Valve Core Tool

- Designed to install and remove standard tire valve cores
- Larger screwdriver-style handle
- Comfortable, durable acetate handle
- 4-3/4" long

TR109 Valve Core Tool

- Used to remove or replace valve cores on A/C systems (large bore)
- 6-3/4" long

ACT1290A Universal Valve Core Service Tool

- Removes and replaces standard size Schrader®-style valve cores, plus the larger size found in GM® vehicle systems

ACT81290 Universal Large Bore Remover

- For use on R12/R134a standard valve cores and JRA/EATON® large bore R134a valve cores

ACT407 Fin Straightener and Cleaner

- Multihead tool handles 8, 9, 10, 12, 14 and 15 fins per inch
- 4-1/4" long

R404[†] Refrigeration Ratcheting Box Wrench

- Four popular square sizes: 3/16, 1/4, 5/16 and 3/8"
- Quick ratcheting action with reverse levers at both ends

RF8185C[†] 9/16" 6-Point 1/4" Female Square Refrigerant Ratcheting Box Wrench

- 9/16" 6-point for servicing compressor valve caps on one end
- 1/4" female square on the other end for vehicles without Schrader® valves

TLE60A 1/4" Drive TORX® E6 Shallow Socket

- Services E6 TORX® fasteners on 1977-later Eaton® and York® compressors
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket

TLE80A 1/4" Drive TORX® E8 Shallow Socket

- E8 is the correct size to use on upper alternator/generator studs on 2005 Ford® Escape® and 2005 Mazda® Tribute
- Other applications include the head bolts on many automotive A/C compressors
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P5-P2 for details.
- Read Safety Precautions on pages W1-W3.

COOLING: RADIATOR TOOLS



RADKITULTRA



SVTSRAD272A



SVTSRAD272U



SVTSRAD372TA



YA4506

Vacuum Cooling System Fillers

RADKITULTRA Cooling Refill/Retention Tool

- Performs both "Coolant Refill" and "Retention", saving significant time on coolant jobs
- Easy to change from "Refill" to "Retention" so there is no need for two tools, like many competitive products
- Removes hard-to-reach air pockets that can overheat the vehicle
- 5' exhaust hose directs coolant mist away from the work area and vehicle for safety
- Allows the removal of components such as thermostats, temperature sensors and lower radiator hoses—without draining the system
- Convenient push-button vacuum control valve
- Protective gauge boot helps prevent damage and scratches
- Comes in a rugged case for organized storage
- Vacuum gauge 0–30 in Hg

SVTSRAD272A¹ Vacuum Cooling System Filler

- The cooling system refiller provides a benchmark in pumping speed and system evacuation
- The Venturi creates a maximum vacuum of 28.2 Hg, translating to 14% less air remaining within the cooling system; a significant improvement over the previous Snap-on[®] model
- Evacuation pumping speed has been improved to 2.6 CFM over the existing 2.0 CFM standard of other units, resulting in a 30% increase in speed
- Refill the system faster than ever with a refill rate of 22.7 seconds/gallon—a 23% increase in speed
- Works with all existing TA[®] and TAB[®] cooling adaptors—available separately for virtually all import and US vehicles
- Eliminates cooling system air locks that can cause overheating
- Ideal for vehicle-specific shops or municipal garages
- Able to use the adaptors provided with the SVTS272A
- Gauge includes an internal shock resistance feature and protective rubber boot to assure an accurate reading
- Includes a main body assembly, Venturi and hose assembly, suction hose assembly and instruction manual with complete adaptor list

SVTSRAD272U¹ Universal Cooling System Filler

- Same features as SVTSRAD272A, except unit is a universal version that does not require cooling system adaptors
- Includes (2) universal-style cones to cover most applications
- The cooling system refiller provides a benchmark in pumping speed and system evacuation
- The Venturi creates a maximum vacuum of 28.2 Hg, translating to 14% less air remaining within the cooling system; a significant improvement over the previous Snap-on[®] model
- Evacuation pumping speed has been improved to 2.6 CFM over the existing 2.0 CFM standard of other units, resulting in a 30% increase in speed
- Refill your system faster than ever with a refill rate of 22.7 seconds/gallon—a 23% increase in speed

SVTSRAD372TA¹ Truck Coolant Refiller

- The first refiller designed specifically for large trucks and oversize systems; built of the highest quality parts and cut from aircraft-grade aluminum alloy
- The dual Venturi system has a higher capacity and a faster vacuum capability than smaller automotive refillers
- Redesigned pressure gauge allows the tech to read the gauge from the shop floor and not have to climb to an elevated position to monitor the tool
- Longer and larger intake hoses are included to accommodate the height and length of large vehicles and trucks
- Fast refilling in coolant evacuation—a 20-gallon system can be emptied in under 10 minutes
- New vacuum generator creates a much higher vacuum than is possible with alternative products—provides the most complete fill possible, and reduces the risk of callbacks due to trapped air or other complications

YA4506 Universal Radiator Adaptor (Blue-Point[®])

- Four expandable rubber discs allow for coverage of most cars and light trucks
- Compatible with radiator necks and reservoir tanks
- For use with RADKITPLUSA, RADKITULTRA cooling system fillers
- For use with SVTS272A cooling system pressure tester
- Vehicle Specific adaptors are also available for cars and trucks in the following sets: SVTA18000, SVTA9100, SVTAB1400A

COOLING: RADIATOR TOOLS



RADKITPLUSA

Vacuum Cooling System Fillers

RADKITPLUSA Cooling System Vacuum/Filler

- Easily eliminates cooling system air locks that can cause overheating
- Uses shop air to pressure test large volumes safely and quickly with a 15 PSI maximum pressure release valve
- Gauge protector helps prevent damage to gauge housing
- Vacuum generator plus large internal passageways produce an industry-leading coolant retention rate exceeding 12 CFM
- Switch from coolant retention to pressure testing with the turn of a valve handle
- Requires a 90 PSI (4.2 CFM) air supply
- Includes a Venturi assembly gauge, gauge protector, refill hose assembly, adaptors for most applications, universal fit cone adaptor, hose assembly and instruction manual with a complete adaptor list
- Includes a storage case



RADKITPLUSJR

RADKITPLUSJR Vacuum Cooling System Refiller (Blue-Point®)

- Reduces system filling time, eliminates air locks and checks for system leaks
- Compact size allows access in restricted underhood areas
- Cone adaptor ensures the unit will work on most US and import passenger vehicles and light trucks
- Push-button control valve eliminates the need to interchange hoses
- Shop air (90 PSI) quickly draws a powerful vacuum
- Eliminates system bleeding and purging

COOLING: TESTERS



SVTS272A

Cooling System Testers

SVTS272A² Cooling System Pressure Tester Kit

- Pressure test radiator and cooling systems of most cars and light trucks for leaks with the four most common adaptors included
- Tester achieves the required 35 PSI with fewer pump strokes
- New comfortable soft grip knob reduces palm fatigue
- New knurled shank reduces hand slippage while pumping
- New clear view gauge face, red protective boot and laser marking give it a true Snap-on® family look
- For easy identification, adaptors look like the caps from the systems they test
- Optional adaptors available in kit SVTA18000
- Includes a protective storage/carry case SVTS272A-PB



SVTS263A

SVTS263A² Air Powered Cooling System Pressure Tester

- Uses pressure regulated shop air to pressure test cooling systems for leaks
- Sensitive pressure regulation allows safe testing of small systems
- Sufficient capacity to fill large systems in seconds
- Stainless steel rugged and chrome-plated components ensure maximum durability and a lasting finish
- Pressure gauge has internal shock absorber protection and rubber boot
- Safety spring release cap assembly limits pressure to no more than 30 PSI
- Convenient swivel hook allows the unit to be hung from under the vehicle hood
- Includes (3) of the most common cooling system adaptors: TAB10036, SVT262-28A and TA38C



SVTS2000

SVTS2000² Coolant Barrier and Pressure Tester

- Change cooling system components without draining the system
- Uses shop air to pressure test large volumes safely and quickly with a 15 PSI maximum pressure release valve
- Large hose and higher airflow allows even overfilled systems to be worked on without draining
- Vacuum generator plus large internal passageways produce an industry leading coolant retention rate in excess of 12 CFM
- Switch from coolant retention to pressure testing with the turn of a valve handle
- Clear intake hose allows the technician to see when the coolant is being pulled into the tool



- Wear safety shield (user and bystander)
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W4

COOLING: RADIATOR TOOLS



Cooling System Tester Accessories

Radiator adaptors and cap adaptors listed below can be used with the SVTS272A Series and SVTS263 Series cooling system testers. See the SVTS272A cooling system tester instruction manual for a complete listing of specific model year applications. Interactive adaptor search is also available at www.snaponradiatortools.com.

| Radiator Adaptor | Cap Adaptor | Vehicle Application |
|------------------|-------------|--|
| SVT262-28A | SVT262-29 | Acura®, Chevrolet®, Chrysler®, Dodge®, Eagle®, Plymouth®, Ford®, Lincoln®, Mercury®, Geo., Honda®, Hyundai®, Infiniti®, Isuzu®, Lexus®, Mazda®, Mitsubishi®, Nissan®, Subaru®, Suzuki® and Toyota® |
| TA16B | — | Volkswagen® and Audi® |
| TA18B | — | Volvo®, Saab®, Jeep®, Sterling® and Renault® |
| TA27 | — | Volvo® Large Trucks with 63 mm x 3 mm Threaded Filler Neck |
| TA31A | TA30A | Volkswagen® |
| TA32A | — | Buick®, Cadillac®, Chevrolet®, Ford®, International®, Mercedes-Benz®, Oldsmobile, Pontiac®, Saturn®, Freightliner®, Kenworth® and Peterbilt® |
| TA34A | — | Cadillac®, Chevrolet®, DAEWOO®, Ford®, Jaguar®, Land Rover®, Pontiac®, Saab®, Saturn® and Suzuki® |
| TA36GM | — | Buick®, Cadillac®, Chevrolet®, Chrysler®, Dodge®, Freightliner®, GMC®, Hummer®, Isuzu®, Jeep®, Mazda®, Oldsmobile, Pontiac®, Saab®, Saturn®, Suzuki®, and Thomas Bull Buses® |
| TA38C | TA39A | Acura®, Chevrolet®, Chrysler®, Dodge®, Eagle, Geo., Honda®, Isuzu®, Lexus®, Mazda®, Mitsubishi®, Pontiac®, Saab®, Subaru®, Suzuki®, Toyota® |
| TA41 | — | Audi®, Bentley®, Lamborghini®, Porsche®, Volkswagen® |
| TA44 | — | Chrysler®, Infiniti® and Mercedes-Benz® |
| TA46 | — | Aston Martin®, Ford®, Jaguar® and Mazda® |
| TA48 | — | Lexus®, Lotus®, Scion® and Toyota® |
| TA50 | — | Volvo® Large Trucks with 48 mm x 3 mm Male Thread on Filler Neck |
| TA52 | — | Mazda® 2 and Volvo® S40/V50 (2004-later) |
| TA54 | — | Freightliner® Trucks with 60 x 3 mm male thread on filler neck |
| TA104* | — | 2021 Kia® N5 |

Please see www.snaponradiatortools.com to enter vehicle make, model and year.
*New adaptor not included in any existing sets

SVTA9100 9 pc Truck Cooling System Adaptor Set

- Built of high-grade aluminum, steel and composite materials
- Developed to work in conjunction with existing coolant system pressure testers and refillers; SVTS272 Coolant System Pressure Tester and SVTSRAD372A Large Truck Refiller
- Includes: NEW TA42 and TA52 plus the TA18B, TA27, TA32A, TA50, TA54, TA84, and TA4505; packaged in the PB5VTAB100 Carry Case
- Includes a laminated adaptor application sheet for quick reference and the cooling system application booklet
- Interactive adaptor search is also available at www.snaponradiatortools.com
- Technical Support: 877-762-7664



SVTA9100

SVTA18000 18 pc Anodized Aluminum Cooling System Adaptor Kit

- Set contains (18) adaptors in a plastic case, including: SVT262-28A, TA16B, TA18B, TA31A, TA34A, TA36GM, TA38C, TA41, TA44, TA46, TA48, TA52, TA56, TA58, TA86, TA93, TA345A and TA445
- Contains the adaptors necessary to test most of the passenger vehicles on the road today
- Adaptors are made with anodized aluminum and chrome plated zinc
- Includes a laminated adaptor application sheet for quick reference and the cooling system application booklet
- Interactive adaptor search is also available at www.snaponradiatortools.com
- Plastic box available separately (PBSVTA1417)



SVTA18000

Cooling System Tester Accessories

| Radiator Adaptor | Cap Adaptor | Vehicle Applications |
|-------------------------|-------------|---|
| — | SVT262-21 | Audi [®] , Buick [®] , Cadillac [®] , Chevrolet [®] , Chrysler [®] , Dodge [®] , Eagle, Ford [®] , GMC [®] , Hummer [®] , Isuzu [®] , Jaguar [®] , Jeep [®] , Lincoln [®] , Mazda [®] , Mercedes-Benz [®] , Mercury [®] , Mitsubishi [®] , Oldsmobile, Pontiac [®] , Plymouth [®] , Subaru [®] , Volkswagen [®] and Volvo [®] |
| SVT262-28R [†] | — | Toyota [®] Sienna [®] (1998–2006) Remote-Style Adaptor |
| TA245A | — | BMW [®] and Mercury [®] |
| TA345A | — | BMW [®] and Land Rover [®] |
| TA445 | — | BMW [®] and Rolls-Royce [®] |
| TA450A | — | AGCO [®] , John Deere [®] , Massey-Ferguson [®] , White and Other Trucks and Heavy-Duty Vehicles with Large Fill ("B") Neck (2-11/16") Includes A450-1A Rubber Plug |
| TA4503 | — | Buick [®] , Chevrolet [®] and Pontiac [®] |
| TA4505 | TA4504 | AGCO [®] , John Deere [®] , Massey-Ferguson [®] , White and Other Trucks and Heavy-Duty Vehicles with Large Fill ("B") Neck (2-11/16") |
| TA56 | — | Cadillac [®] CTS [®] V (2009–current), Chevrolet [®] Cobalt SS (2005–2010) and Volt, Chrysler [®] Pacifica [®] (2017–current) and Saturn [®] Ion Redline (2004 and later) with Supercharger cooling systems |
| TA58 | — | Dodge [®] Sprinter [®] Van (2007–2010) with 42 x 2.5 mm Thread On Filler Neck and Mercedes-Benz [®] Sprinter [®] Van (2011–current) |
| TA60 | — | Porsche [®] Boxster/Cayman [®] (2007–2014) Remote-Style Adaptor |
| TA63 | — | BMW [®] (5, 6 and 7 series; X5 and X6), Infiniti [®] (2015–current QX [®] 30 and QX [®] 50), Rolls-Royce [®] Ghost and SMART [®] (all models, 2016–current) |
| TA67 | — | KTM [®] Motorcycles |
| TA72 | — | Alfa Romeo [®] , Dodge [®] , Fiat [®] , Maserati [®] and McLaren [®] |
| TA84 | — | Kenworth [®] T270 and T370 Trucks (2015–current) |
| TA86 | — | Hyundai [®] and Kia [®] |
| TA88 | — | XC90TS Hybrid and XC40 [®] Volvo [®] |
| TA92 | — | Chevrolet [®] and GMC [®] pick-ups with Duramax [®] (for use with pressure testing; note: left-hand thread (2017–current)) |
| TA93 | — | Chevrolet [®] and GMC [®] with Duramax [®] (LSP diesel) (2017–current) |

Please see snaponradiatortools.com to enter vehicle make, model and year



- Wear safety glasses (user and bystander)
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P3 for details.
- Read Safety Precautions on pages W1–W4

COOLING: RADIATOR TOOLS



Cooling System Adaptors

| Radiator Adaptor | Cap Adaptor | Application |
|------------------|-------------|--|
| TAB10022 | TAB1C023 | Audi®, Porsche®, Smart®, Volkswagen® |
| TAB10025 | TAB1C026 | Ferrari®, Renault®, Saab®, Sterling®, Volvo® |
| TAB10031 | — | Volkswagen® (1990-1998) |
| TAB10034 | — | Ford®, Jaguar®, Saab®, Saturn® |
| — | TAB1C047 | Aston Martin®, Ford®, Jaguar® and Mazda® |
| TAB10036 | TAB1C035 | Buick®, Cadillac®, Chevrolet®, Dodge®, Ford®, Freightliner®, GMC®, Hummer®, Infiniti®, International®, Isuzu®, Jaguar®, Jeep®, Land Rover®, Lincoln®, Mazda®, Mercedes-Benz®, Mercury®, Nissan®, Pontiac®, Saab®, Saturn®, Suzuki® |
| TAB10041 | — | Audi®, Bentley®, Lamborghini®, Porsche®, Volkswagen® |
| TAB10044 | — | Chrysler®, Mercedes-Benz® |
| TAB10046 | — | Aston Martin®, Ford®, Jaguar®, Mazda® |
| TAB10048 | TAB1C049 | Some Lexus®, Scion®, Toyota® (especially hybrids) |
| TAB10052 | TAB1C053 | Aston Martin®, Ford®, Land Rover®, Mazda®, Volvo® |
| TAB10056 | — | Cadillac®, Chevrolet®, Saturn®, Chrysler® |
| — | TAB1C057* | Cadillac® CTS® V (2009-current), Chevrolet® Cobalt® SS (2005-2010) and Volt, Chrysler® Pacifica® (2017-current) and Saturn® Ion Redline (2004 and later) with Supercharger cooling systems |
| TAB10058 | — | Dodge®, Freightliner®, Mercedes-Benz® Sprinter® Vans |
| TAB10063 | TAB1C026 | BMW® Turbocharger, MINI®, Nissan®, SMART® |
| TAB10059 | — | KTM® Motorcycles |
| TAB10070 | — | Aprilia® Motorcycles |
| TAB10072 | TAB1C026 | Alfa Romeo®, Fiat®, Maserati®, McLaren®, RAM® |
| — | TAB10074 | Bentley®, some models Volkswagen® Sharan® (EU) Volkswagen® Phaeton 2014-2016 (US) |
| TAB10076 | — | Liebert® Cranes, Van Hoof® Bus |
| TAB10078 | — | Porsche® Boxter and Cayman® |
| TAB10086 | TAB1C087 | Hyundai®, Kia® |
| — | TAB1C089 | Volvo® XC90 T8 Hybrid and XC40 |
| TAB10090 | — | Industrial Applications with 4" Opening |
| TAB10093 | — | Chevrolet® and GMC® Pickups with Duramax® for Use with Vacuum Filling (Note: left-hand thread) |
| TAB10245 | — | Pre-1968 BMW®, Merkur |
| TAB10345 | — | Most Models BMW® (1968-2008), Land Rover® |
| — | TAB1C345 | BMW® and Land Rover® |
| TAB10445 | TAB1C446 | BMW®, Rolls-Royce® |

TAB10052R Cooling System Remote-Style Adaptor

- Using the remote adaptor can save between 30–60 minutes when testing the cooling system
- No need to remove the cowl to access the cooling system cap
- Anodized aluminum and chrome-plated zinc add durability and corrosion resistance
- For use in low overhead applications, such as Ford® Escape® (2013–2016) and Volvo® XC90 (2016–2022)

SVTAB1400A 14 pc Cooling System Adaptor Set (Blue-Point®)

- TAB Series adaptors feature composite metal/plastic construction
- Includes (14) composite metal/plastic radiator adaptors: TAB10022, TAB10025, TAB10031, TAB10034, TAB10041, TAB10044, TAB10046, TAB10048, TAB10056, TAB10058, TAB10086, TAB10093, TAB10345, TAB10445, packaged in the PBSVTA1417 Storage Case
- Most adaptors are shaped like the caps from the systems they test for easy identification
- Storage case has extra storage compartments to accommodate the pump and gauge assembly and original four adaptors from the SVTS272A set (sold separately)
- Interactive adaptor search is also available at www.snaponradiatortools.com
- Includes a laminated adaptor application sheet for quick reference and the cooling system application booklet
- Technical Support: 877-762-7664
- For use with SVTS272A pressure tester (sold separately)



SVTAB1400A

COOLING: TESTERS

Leak Testers

GDCT16 Combustion Leak Tester

- Provides an easy and quick way to diagnose engine overheating problems
- Checks for leaks between the combustion chamber and the cooling system
- Tests head and gasket for combustion leaks before removing the radiator
- Double chamber in the testing unit provides a high level of accuracy
- For use on water-cooled gas and diesel engines
- Kit includes a complete test chamber, 16 oz bottle of testing fluid and instructions

GDCT161 Leak Detector Fluid (Blue-Point®)

- 16 oz bottle of leak testing fluid for the GDCT16 Combustion Leak Tester



GDCT16

Antifreeze and Coolant Tester

AF102 Antifreeze Hydrometer (Blue-Point®)

- Degree of protection is indicated by a direct reading; no temperature compensation scales are required
- Range of -60–32 °F
- Range of -51–0 °C
- Tests hot and cold solutions



AF102

COOLING: SERVICE TOOLS

Hose Cutters and Removers

YA1000A 9-5/8" Multi-Cutter (Blue-Point®)

- Ideal for cutting heater hoses, fuel line hoses, copper wiring, PVC pipes, wiper hoses and air brake hoses, plus any resilient or semi-resilient material with a 0–1-1/8" dia
- Comfort contoured handles with plastic grips
- Wire loop for safe storage
- 9-5/8" long

YA1000A1 Replacement Blade

- Replacement blade for the YA1000A Multi-Cutter

HCR1 Heater Hose Coupler Removal Tool (Blue-Point®)

- Removes broken heater hose couplers on GM® vehicles
- Can be used with an impact wrench



YA1000A



HCR1



YA9521



YA9325-1



YA9980A



YA6160



FCT706



YA6120

Fan Clutch Wrenches/Pulley Holders

YA9521¹ Flat Wrench (Blue-Point®)

- 36/48 mm wrench size, 356 mm long

YA9325-1¹ Metric Flat Wrench (Blue-Point®)

- 36 mm wrench size, 343 mm long

YA9980A² Water Pump Fan Clutch Pulley Holder (Blue-Point®)

- Used on vehicles with pressed on pulleys
- For use on 6.0 L V8 1999–later GM® and 3.9 L V6, 4.7 L V8, 5.2 L V8, 5.9 L V8, 8.0 L V10 1998–later Chrysler®
- Cannot be used on Chrysler® 4.7 L V8 using factory replacement water pumps

YA6160² Universal Fan Clutch Pulley Holder (Blue-Point®)

- Removes and replaces the fan clutch on vehicles using bolt-on water pump pulleys
- Reverse pulley holder is for assembly operations
- Use with the YA9521 36/48 mm wrench or YA9526 40 mm wrench for many Chrysler®, Ford®, Lincoln®, Mercury® and GM® applications

FCT706 Fan Clutch Wrench (Blue-Point®)

- Used for heavy-duty truck engines
- Hole pattern on the tool aligns with fasteners on the fan hub
- Open end wrench is used to remove the fan clutch
- 24-1/2" long for maximum leverage

YA6120² Fan Clutch Wrench Set (Blue-Point®)

- Ford®/Lincoln®/Mercury® applications include E-Series® trucks
- 4.9 L (1984–1991), F-Series® trucks 4.9 L (1984–1992), Bronco® II and Ranger® 2.8 L (1984–1985), Ranger® 2.9 L (1986–1992), Aerostar® 3.0 L (1986–1988), Aerostar® and Ranger® 4.0 L OHV (1990–later), Explorer® 4.0 L OHV (1991–later), Mazda® Navajo 4.0 L OHV (1991–1994), Mazda® B4000 4.0 L OHV (1995–later), Explorer® 4.0 L V6 SOHC (1997–later) and Mountaineer® 4.0 L V6 SOHC (1998–later)
- GM® Applications: ASTRO and Safari vans 4.3 L, Blazer®, Jimmy and Bravada SUV 4.3 L, S10, Sonoma and Isuzu® Hombre pickups with 2.2 L 4 cylinder and 4.3 L V6, C1500, C2500, C3500, K1500, C1500/C2500/C3500/K1500 Sierra® pickups, G1500/G2500 Chevrolet® Express, G1500/G2500 Savana® vans 4.3 L V6, 5.0 L V8 and 5.7 L V8; and Suburban®, Tahoe®, Yukon®, Escalade®, Denali® and Envoy® 5.7 L V8



- Wear safety shield to see and be heard.
- Plastic coated handle does not protect against electric shock.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P5–P6 for details.
- Read Safety Precautions on pages W3–W4.

COOLING: SERVICE TOOLS



RCR1



RCR2



RCR3



GA424A



LDTSP4



2009FPI



OCR2



RDSF1

Radiator and Freeze Plug Tools

RCR1 Radiator Coolant Reservoir Cap Tool

- 3/8" drive tool is used to remove stubborn radiator coolant reservoir caps on 2006–current BMW® vehicle engines
- Will not mar the reservoir cap like pliers can
- Made of nylon

RCR2 Radiator Coolant Reservoir Cap Removal Tool

- Made with a tough nylon material that will not damage the coolant reservoir and oil fill caps
- Steel square drive for added durability
- Use with a 3/8" drive ratchet
- Removes and installs radiator caps on 2008–current Peterbilt® semitrucks

RCR3 Coolant Cap Wrench for Ford® Vehicles

- 3/8" drive crowfoot wrench for the removal and installation of the coolant reservoir caps without damage
- Used to help loosen coolant caps that are often corroded and difficult to remove
- Industrial finish protects against corrosion

GA424A Belt Tension Gauge (Blue-Point®)

- 30–180 lb (130–800 N•m) range
- Squeeze handle, place gauge on drive belt, release handle and read

LDTSP4 Quick Disconnect Fittings Set (Blue-Point®)

- Includes 3/8", 1/2", 5/8"-30% and 5/8"-39% sizes
- Applications: 1996–newer GM® vehicles, many 2004–newer Daimler Chrysler® vehicles, some 2005–newer Mercedes-Benz® vehicles, V-Rod®, Freightliner®, Peterbilt®, Volvo® and White®
- Handy spring action keeps the tool on the line for ease of use
- Teeth fit perfectly into the tight tolerance of jiffy-tite® connectors
- When rotated, allows the line to be pulled without damage to the connector or retaining clip
- Fits most popular jiffy-tite® fittings found on transmission cooler lines and radiators

2009FPI Freeze Plug Installer Kit

- 18-1/2" long installing tool with ball-type swivel for easy positioning
- Includes (7) installer heads in 20, 25, 30, 35, 40, 45 and 50 mm sizes

OCR2 Radiator Reservoir and Oil Fill Cap Tool

- Tough nylon material will not damage reservoir and oil fill caps
- Steel square drive for added durability
- Used with a 3/8" drive ratchet
- Used for radiator reservoir caps on VW® vehicles, and oil fill caps on Audi®, Honda®, Toyota®, Chevrolet®, Ford® and Jeep® vehicles

RDSF1 1/4" Drive Radiator Drain Plug Socket

- Compact size allows for fitment into limited-access areas
- 1/4" drive and external hex shape allow the socket to be turned with a ratchet or wrench in tight spaces
- Socket designed specifically to engage drain plugs, minimizing the risk of damage to the drain plug or radiator
- Bright and clean nickel-chrome finish creates a corrosion resistant surface that withstands chemicals and solvents for prolonged tool life



Hose Clamp Pliers

HCP48ACF Hose Clamp Pliers

- Three-position joint gives a wider jaw spread
- For 3/4–2" dia. clamps
- Specially milled jaw holds the hose clamp securely for removing or replacing
- Radial jaw serrations allow the user to grip and adjust the hose

HCP9 Corbin Heater Hose Clamp Pliers (Blue-Point®)

- 9" long
- Removes or replaces all spring wire hose clamps
- Deep, slotted jaws swivel 180° and lock in three different positions

HCP10 Mobea Heater Hose Clamp Pliers (Blue-Point®)

- 9" long
- Removes or replaces all spring wire hose clamps
- Deep, slotted jaws swivel 180° and lock in three different positions
- Used for hose clamps found on GM®, Ford®, VW®, BMW®, Toyota®, Volvo® and Audi® vehicles

HCP20 Mobea Heater Hose Clamp Pliers (Blue-Point®)

- For heater and radiator hoses found on 1988–1990 GM®, Ford®, Chrysler® and most imports
- Jaws pivot to almost any angle

YA497A Hose Removal Pliers (Blue-Point®)

- Simplifies the removal of 5/32–1/2" vacuum and fuel hoses
- 8" long

PHP1A 9-1/4" Swivel Jaw Hose Clamp Pliers (Blue-Point®)

- 9-1/4" overall length—clamps hoses up to 1-1/4" O.D.
- Designed with a self-locking feature that holds after pressure is applied, simply pull the pliers handle apart to release the pressure
- Used to seal vacuum hoses and fuel lines, plus other flexible materials
- Patent-pending offset design allows greater access in hard-to-reach areas
- Black industrial finish

PHP2A 14" Swivel Jaw Hose Clamp Pliers (Blue-Point®)

- 14" overall length—clamps hoses up to 2-1/2" O.D.
- Designed with a self-locking feature that holds after pressure is applied, simply pull the pliers handle apart to release the pressure
- Used to seal vacuum hoses and fuel lines, plus other flexible materials
- Patent-pending offset design allows greater access in hard-to-reach areas
- Black industrial finish

PHP3A 5-1/2" Swivel Jaw Hose Clamp Pliers (Blue-Point®)

- 5-1/2" overall length—clamps hoses up to 3/4" O.D.
- Designed with a self-locking feature that holds after pressure is applied, simply pull the pliers handle apart to release the pressure
- Used to seal vacuum hoses and fuel lines, plus other flexible materials
- Patent-pending offset design allows greater access in hard-to-reach areas
- Black industrial finish

HCL103 3 pc Spring Hose Clamp Lock Set

- Allows a technician to hold the hose clamp open while freeing up hands and pliers to access the next clamp
- Compact size allows a technician plenty of room to work while tool is employed
- Available in three sizes to fit most clamp styles

HCL1 1/2" .450" Hose Clamp Lock

- Designed to work on larger clamp styles
- Compact size allows technician plenty of room to work while tool is employed
- Allows a technician to work more efficiently and quickly
- Hose clamp lock only (Set pictured)

HCL2 1/2" .350" Hose Clamp Lock

- Designed to work on medium-sized hose clamps
- Compact size allows technician plenty of room to work while tool is employed
- Allows a technician to work more efficiently and quickly
- Hose clamp lock only (Set pictured)

HCL3 1/2" .150" Hose Clamp Lock

- Designed to work on smaller hose clamps
- Compact size allows technician plenty of room to work while tool is employed
- Allows a technician to work more efficiently and quickly
- Hose clamp lock only (Set pictured)

HCP10RK Service Kit (Blue-Point®)

- Includes one pair of replacement tips plus a replacement spring for HCP10

Steel Line Stoppers

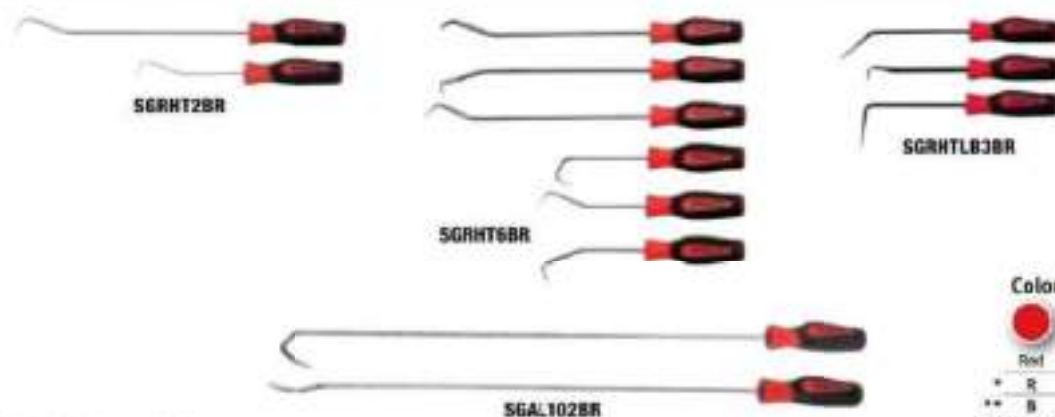
HCP3KT 3 pc Hose Pinching Pliers Set (Blue-Point®)

- Includes (3) hose pinching pliers (6, 7 and 10")
- Includes a storage pouch



- Do not smoke, have a flame, or create a spark near fuel vapors.
- Wear safety shield (face and throat). Hot or ignited gases can cause injury.
- Read and follow all safety precautions accompanying the product.
- Unexpected electrical, thermal, or mechanical occurrences can cause injury.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W4.

COOLING: SERVICE TOOLS



Colors Available



* R O G
** B O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Soft Grip Hose Picks

- Ideal for removing and replacing hoses and clamps
- Unique hose blade design for getting around difficult obstacles
- Soft, solvent-resistant handle provides a sure, comfortable grip
- Instinct® handle provides maximum comfort and grip

| Stock No. | Description | Blade Length, inches (mm) | Length, inches (mm) | | | | | |
|-------------|---|---------------------------|---------------------|---|---|--|---|---|
| SGAI73BR* | Soft Grip Radiator Hose Pick | 5-3/5 (137) | 10.33 (262) | * | * | | | |
| SGAI74BR* | Soft Grip Radiator Hose Pick | 5 (127) | 9.84 (250) | | * | | | |
| SGAI75BR* | Soft Grip Radiator Hose Pick | 4-3/5 (117) | 9.51 (241.6) | | * | | | |
| SGAI710BR* | Soft Grip Radiator Hose Pick | 11-3/5 (295) | 18.56 (420) | * | * | | | |
| SGAI711BR* | Soft Grip Radiator Hose Pick | 10-4/5 (275) | 15.9 (401) | | * | | | |
| SGAI712BR* | Soft Grip Radiator Hose Pick | 11 (279) | 15.9 (404) | | * | | | |
| SGAI76BR | Soft Grip Radiator Hose Pick | 5-3/5 (143) | 10.5 (267) | | | | * | |
| SGAI77BR | 90° Blade Soft Grip Radiator Hose Pick | 5-1/5 (132) | 10.09 (256) | | | | * | |
| SGCP1BR* | Soft Grip Cotter Pin Puller | 5-1/10 (131) | 10 (254) | | | | * | |
| SGAI713B** | Radiator Hose Pick Long Blade | 9-1/8 (206) | 13 (330) | | | | * | |
| SGAI714B** | Radiator Hose Pick Short Blade | 4-7/8 (124) | 9.625 (244) | | | | * | |
| SGAL1713BR* | Instinct® Bent Wide Tip Radiator Pick | 21-3/4 (552) | 26.625 (676.2) | | | | | * |
| SGAL1714BR* | Instinct® Straight Wide Tip Radiator Pick | 21-5/8 (549) | 26.5 (673.1) | | | | | * |

Set includes storage tray

COOLING: REMOTE HOSE CLAMP PLIERS



SHCP1B

Hose Clamp Pliers

SHCP1B Remote Ratcheting Hose Clamp Pliers

- Removes standard, space-saver and pre-opened hose clamps up to 2"
- Unique jaw design works on all three clamp types; thicker jaws extend life of tool
- Heavy-duty 5/64" cable with a new assembly method for extra-long life
- Hardened five-stop ratchet lock with a slide guide ensures engagement without slipping or stripping the teeth
- Bi-mold grips with a cable snap feature
- Cable fixture is easily replaceable



SHCP2

Hose Clamp Pliers

SHCP2 Remote Hose Clamp Pliers

- Infinite locking positions—friction-locking mechanism allows the user to hold the clamp open at any position from closed to fully open
- Ergonomic grip—low, constant operating force applied to the wide, comfortable pistol grip results in reduced effort and hand fatigue during operation
- Increased accessibility—longer cable is flexible over its entire length, allowing it to reach in and around obstacles that slide-style remote hose clamp pliers cannot
- Longer clamp end—longer flexible engaging end works on larger clamps in any position on the hose
- Lifetime warranty on the handle—repair kit is available for the cable and jaws

LIGHTING: FLASHLIGHTS

Flashlights

ECFLD030 Wireless Charging 300 Lumen Flashlight

- IP65-rated for water and dust resistance
- Overmold design for anti-skidding
- Onboard battery fuel gauge easily informs the user how much power is remaining
- Dimmable switch with memory function; press and hold the switch to activate
- Only works with the Snap-on® ECFLPRA0 Charging Base
- Positioning the lamp on the charging panel after use provides dynamic charging
- Easy positioning of the lamp on panels with magnets on back

ECFLG032 Bent Head Flashlight

- 90° swivel design provides more flexible lighting
- 90° swivel design provides more flexible lighting
- Powerful output of main light reaches 425 lm; spotlight provides 200 lm of output
- Robust aluminum design to withstand multiple drops in demanding environments
- Variable brightness switch with memory function provides maximum versatility; press and hold power button to set
- Metal clip with magnet for hands free use
- IP65 resistant to water and dust infiltration



ECFLD030



ECFLG032

LIGHTING: PENLIGHTS (RECHARGEABLE)

Penlights

ECPND032 300 Lumen Rechargeable Foldable Dual Penlight

- Compact 180° foldable design
- Triple lights (front, back, spot) for a variety of applications
- Built-in magnets for hands-free use and safe locking
- Recharges using the bidirectional USB-C connection
- Designed for mechanic use; made of durable polyamide and aluminum to withstand drops
- Features a long bar light (300 lm), short bar light (200 lm) and a spotlight (80 lm)

ECPNE022 270 Lumen Rechargeable Bent Head Penlight

- 90° swivel design provide more flexible lighting
- Main light with 360° lighting
- Powerful output for main light reaches 275 lm; spotlight provides 140 lm of output
- Robust aluminum design to withstand multiple drops in demanding environments
- Variable brightness switch with memory function provides maximum versatility; press and hold power button to set
- Metal clip with magnet for hands free use
- IP65 resistant to water and dust infiltration

ECPNF03B 300 Lumen Wireless Charge Penlight

- 300 lm; two-hour run time
- 120 lm spotlight
- Dual charging system—compatible with Snap-on® charging pads (not included) or USB-C charger (included)
- Flexible pocket clip can be slipped in and out
- Strong magnet on the back for hands-free use
- Dimmable switch with memory
- Overmold design for anti-skidding
- IP65-rated for resistance to water and dust

ECPNG032 300 Lumen Rechargeable Aluminum Penlight

- High-quality 300 lm COB main light, with approximately two hours of run time
- Pull light head to zoom between focused flashlight and brilliant floodlight
- Extremely bright 200 lm CREE LED spotlight, with approximately three hours of run time
- Adjustable magnetic clip design allows for multiple lighting angles
- Robust aluminum housing design



ECPND032



ECPNE022



ECPNF03B



ECPNG032

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Wear safety shield (user and bystander).
- Read and follow safety messages in the instructions.
- Read Safety Precautions on pages W1-W4.

LIGHTING: PROJECTS (RECHARGEABLE)



ECPRB042



ECPRA072



ECPRC050



ECPRD068B

Project

ECPRB042* 400 Lumen ABS Project Light

- 360° rotation for maximum illumination angle
- Built of high-quality ABS plastic for an inexpensive entry into the Snap-on® project light family
- Intelligent lighting control holds memory and allows for variable brightness (5–100%), providing the ability to select the right amount of light for every situation
- 2-1/2 hours of run time at 400 lm; over 10 hours at 40 lm
- Bi-directional USB-C for the latest charging technology (AC adaptor not included)
- Strong magnetic base provides the ability to place the lighting tool in the tightest of spots

ECPRA072 700 Lumen Project Light**

- Built with aircraft-grade aluminum alloy to last in the toughest environments
- Variable brightness switch (0–100%) gives the ability to select the right amount of light for every situation
- 10-hour operation time on low; 1 hour on high
- IP65-rated for water and dust resistance
- Battery "fuel gauge" provides the ability to instantly know how much power is remaining
- New USB-C power connection for hassle-free recharging—no need to look at the cable and cord

ECPRF052* 500 Lumen Wide Angle Pocket Light (Black)**

- 500 lm
- Full-screen design provides wider lighting
- Compact pocket size
- Adjustable rear clip
- Strong built-in magnet on base of the clip for hands-free use
- Run Time: High 2-1/2 hours
- IP65 rated for water and dust resistance

ECPRG042BLK* 425 Lumen Rechargeable 8-Hour Project Light (Black)

- 8-Hour run time on 425 lm setting
- Dimmable to 80 lm
- 6-Hour charge time
- Handheld size
- All plastic construction
- 360° magnetic swivel stand

ECPRE042B* 400 Lumen Rechargeable Pocket Light (Black)

- 400 lm high; 40 lm low
- Slim compact pocket size
- Large pocket clip with magnets
- Magnets on clip allow for hands free use
- 110° rotation design provides more lighting angles
- Three hour run time on high
- Rechargeable using the bi-directional USB-C connection
- IP65 Rated resistant to water and dust infiltration

ECSPH271 2,700 Lumen Combo Pocket Lights Kit

- Multifunctional combo light—can be used together as a floodlight or as three individual project lights
- Strong magnets built in to the base enable the combo light to attach to ferrous surfaces for a large area of illumination
- Dual-charge system allows for charging via the combo base, or individually with USB-C port
- Three-light combo: 2,700 lm on high, 270 lm on low; individual lights: 900 lm on high, 90 lm on low
- One-key start for all three lights when combined on base—pressing any light button turns on all three lights at one time
- 360° rotation for maximum illumination angles (on each project light)
- IP65 rated for water and dust resistance

ECPRC050 Wireless Charging 500 Lumen Project Light

- IP65 rated for water and dust resistance
- Overmold design for anti-skidding
- Strong magnet at the bracket bottom
- Onboard battery "fuel gauge" easily relays how much power is remaining
- Dimmable switch with memory function, press and hold the switch to activate
- 360° folding design with magnets offers the ultimate in flexible positioning
- Only works with Snap on® charging panels and accessories
- Positioning the lamp on the charging panel after use provides dynamic charging
- Easy positioning of the lamp on panels with magnets on back

ECPRD068B Fastcharge 400 Lumen Project Light (Black)**

- Ultra-fast charging, with 80% of capacity in 20 minutes; fully charged in less than 30 minutes
- 360° swivel bracket with strong magnets
- Strong, durable quality light that features a protective bumper
- IP65 rated for water and dust resistance
- 3-hour run time at 450 lm; 8 hours at 160 lm



ECPRF052



ECPRG042BLK



ECPRE042B



ECSPH271

Colors Available



Red Orange Green

A O G

** O OR

*** R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLOR

Articulating

ECARD062* 600–800 Lumen Dual-Sided Flex Light

- 300 lm spotlight; 600 lm single side; 800 lm when both sides are illuminated
- 270° folding design, with multiple magnets for the ultimate in flexible positioning
- Rechargeable using the bidirectional USB-C port
- Main light features a dimmable switch with memory; press and hold the switch to activate
- Dual light wand design provides overall lighting
- Switch freely between single and dual lighting
- Spotlight on the top for focused light
- Reliable and safe design—only the outside light can be turned on when folded
- Overmold design provides anti-skid grip
- Strong magnets on the bottom and back enable hands-free use
- IP65 rated for water and dust resistance
- Battery fuel gauge displays the remaining power



ECARD062

ECARC041* 400 Lumen Articulating Light with Charging Base

- Intelligent lighting control holds memory and allows variable brightness (5–100%) to select the right amount of light for every situation
- Individual buttons for each light element to avoid cycling through modes for the desired LED illumination
- 400 lm light, with a UV spotlight at the tip specifically designed for leak detection
- Charging base with USB port eliminates the need to “plug in” tool, and allows the user to charge other devices while working
- Magnets in both the charging base and light increase application and storage options
- 120° articulation allows you to get the light where and when it is needed



ECARC041

ECARH058 500 Lumen Rechargeable Battery Angular Light

- 500 lm bar light; 150 lm spotlight
- 360° rotatable hook
- Magnet on back for hands-free use
- Rechargeable battery is good for approximately 4,000 charging cycles
- High quality COB source
- Robust over-mold design
- USB-C port for battery charging



ECARH058

ECARG068* 600 Lumen Rechargeable Battery Flex Light

- 600 lm bar light flexes to any angle for perfect lighting
- 350 lm spotlight
- Rechargeable battery that is good for approximately 4,000 charging cycles
- High-quality COB source
- Over-mold design for a firm grip
- USB-C port for battery charging



ECARG068

ECARE068KT Wireless Dual Conversion Light Kit

- Dual-sided light with spotlight: inside bar generates 600 lm; outside bar generates 600 lm; both bars on at the same time generate 900 lm and spotlight puts out 350 lm
- Qi wireless charging base charges all Snap-on® wireless lights and is able to charge a Qi-compliant device, such as a mobile phone
- 270° folding design offers the ultimate in flexible positioning
- The light has an over-mold design for anti-skidding
- Strong magnet on the bottom and back for hands free use
- Dimmable switch with memory function for main light, press and hold switch to activate
- Switch freely between single lighting and dual lighting modes
- Most reliable and safest design—only the outside light can be turned on when the lamp is folded



ECARE068KT

ECARE068 Wireless Dual Conversion Light

ECSPD022 200 Lumen Articulating Precision Light

- Dual light source: white light together with UV light for leak detection
- Smaller head design for lighting tighter spaces
- LED lamp produces up to 200 lm
- Longer 24" hose adjusts to any angle
- Overmold design enables a comfortable grip
- Strong built-in magnets on the base enable hands-free use
- Rear clip locks the loop's neck into place
- Variable brightness switch with memory function provides maximum versatility; press and hold the power button to set
- IP65 rated for water and dust resistance



ECSPD022

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLOR.



- Do not lay light face down, if turned on.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W4

LIGHTING: ARTICULATING



ECAR1032

Articulating

ECAR1032 Rechargeable Articulating Stick Light (Blue-Point®)

- One of the best entry-level articulating lights on the market
- Versatile light with 150° folding design offers highly flexible positioning
- Magnets located on the back and bottom of the light allow for vertical or horizontal hands-free use
- 4-hour run time provides ample time to complete most projects
- Two lighting elements for multiple applications: 90 lm spotlight and 300 lm main light
- Rechargeable using a standard USB; compatible with most existing phone wall chargers

ECARF052 550 Lumen Auto-Focus Light

- Handheld unit with integrated dual light source provide flood lighting and spot lighting



ECARF052

- Both lighting modes with 550 lm maximum output with approximately 3.5 hours run time; up to 10 hours on 100 lm lowest output
- Two switches for individual mode setting: manual or auto-focus mode
- Lighting output adjusts in manual mode by pressing and holding the switch; light flashes once at highest and lowest brightness levels
- Lighting output intelligently adjusts in auto-focus mode, detecting the distance change from object to light source within 40 cm; automatic highest lighting output over 40 cm
- Dual-angle rotation design enables multiple lighting beam
- Built-in magnets on the bottom for hands-free use
- Drop- and oil-resistant materials for long life
- IP65 dust and water resistant

LIGHTING: SHOP LIGHTS



CTLU861



ECSHC042

Colors Available



ECSH1042

ECSC2042

Shop

CTLU861 14.4 V MicroLithium 700 Lumen Cordless Utility Light (Tool Only)

- 700 lm ultra-bright output
- 6-hour run time
- 60 LED bulbs
- 10-minute low battery indicator
- Hanging hook
- Multi-position switch
- Resists most automotive fluids
- Works with Snap-on® lithium batteries
- Ergonomic cushion grip for better control
- High-impact, replaceable light tube resists cracking and discoloration
- Battery and charger not included

ECSC042™ 400 Lumen Slim Light

- Maximum 400 lm on lamp setting; 65 lm on top
- Three hours run time on lamp setting; 19 hours on top
- Charge time: approximately 3 hours
- Strong magnetic backing
- USB-C charging port
- Rated IP66; waterproof

ECSH1042 450 Lumen Rechargeable Shop Light (Blue-Point®)

- Rechargeable and cordless for convenient use
- 42 SMD LEDs with a diffusion tube produce shadow-free illumination
- Powerful torch function for direct, 100 lm illumination
- 3-hour run time using the main light/10-hour run time using the spotlight
- IP65 rated for water and dust resistance
- Broad 180° light pattern covers a wide work area

ECSC2042 Rechargeable Slim Light (Blue-Point®)

- 10 SMD front-facing LEDs provide strong light output to work surfaces
- USB charger cord and charger for multiple options recharging
- High 400 lm light output
- Bright 80 lm spotlight output
- Designed with two brightness levels
- Slim design for use in tight places
- Battery (2,600 mAh) provides up to 3 hours of run time at 100%; 6 hours at 50%

LIGHTING: HEADLAMPS

Headlamps

ECHDB022 275 Lumen Magnetically Mountable Headlamp

- Slim and rugged; allows for a comfortable light that can be used in multiple applications or environments
- Variable brightness provides the ability to choose the right amount of illumination at the right time
- Light and battery are built into one package and secured to an adjustable headband by a uniquely designed clip mechanism
- Easily remove the light from its band and attach it to other locations with built-in magnet
- More than two hours run time at 100% brightness; six-plus hours at 40%
- IP65 rating allows for exposure to water and dust in the toughest environments
- Rechargeable via a standard USB-C connection for ease of use



ECHDB022

ECHDD012A Neck Light with Removable Lights (Black)

- Rechargeable 300 lm COB LED work light
- Allows for hands-free use when worn on neck or head
- Magnetic light heads are removable and can be placed on ferrous surfaces
- Dimming feature allows user to adjust light intensity to desired level
- Lights are independently adjustable up and down
- Each light pivots for the perfect lighting focus



ECHDD012A

ECHDD012-3 USB-C-Cable with Two Heads**ECHDE052 500 Lumen Rechargeable Slim Headlamp**

- Super slim rechargeable head light
- Dual light source: flood beam for lighting large area and focus beam for detail lighting
- 500 lm flood beam for approximately 2-1/2 hours of run time on high; 8 hours on low
- 150 lm focus beam for approximately six hours of run time
- Lightweight and comfortable to wear
- Durable elastic headband with adjustable buckle; easy to replace if it gets dirty
- IP54 water and dust resistant



ECHDE052



ECHDD012-3

Colors Available



* R O G
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

LIGHTING: FLOODLIGHTS



ECFD0102



ECFD0108



ECFDE402



ECFDF108

Colors Available



* R O G
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Floodlights

ECFD0102 900 Lumen Mini Floodlight (Blue-Point®)

- IP68 rated against water and dust infiltration
- Compact design is easy to hold in one hand
- Strong magnet in bottom of bracket
- 180° swivel base
- 3-hour run time on high; 6 hours on low

ECFD0108 10 W Mini Floodlight

- Maximum 1,000 lm output
- Color temperature adjusts from 3,000–5,500 K and adapts to different applications
- 360° rotation for the perfect lighting angle
- Built-in magnets for hands-free use
- Non-slip clamp design enables use on most surfaces
- LCD displays battery status, color temperature and lumen output level (0–100%)
- IP65 water resistant design

ECFDE402 4,000 Lumen Work Light

- New breakthrough design with super compact size
- Powerful output: Maximum 4,000 lm at two hours run time, up to 15 hours at lowest mode with 400 lm
- Strong magnets on the base enable the work light to attach to ferrous surface for hands-free use
- Built-in fast-charge system; fully charged in less than three hours
- USB output (maximum 5 V 1 A) for third device charging
- 180° rotatable base provides a multi-lighting beam
- IP65 dust and water resistant

ECFDF108 1,100 Lumen Rechargeable Battery Mini Work Light

- 1,100 lm
- Rechargeable battery (contains 2) good for more than 4,000 charging cycles
- 180° rotatable bracket with strong magnet
- Safety feature front face design allows user to see if light is on when laid face down
- Dimming switch
- USB-C charging port



- Do not lay light face down, if turned on.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W4

LIGHTING: UNDERHOOD



CTLUH861

Underhood**CTLUH861^{*} 14.4 V MicroLithium Cordless Underhood Light (Tool Only)**

- Ultra-bright 1,000 lm output
- 4-hour run time; ideal for underhood, undercarriage and over-dash applications
- Expandable 81" clamp to position light at work area
- High-impact plastic light tube and housing
- 10-minute low battery indicator
- Includes hook with peg for hanging
- Works with CTB8172, CTB8172BK and CTB8174 batteries
- Battery and charger not included



ECUHC102

ECUHC102 1,200 Lumen Underhood Clamp Light

- Versatile 1,200 lm light with an underhood clamping system and a detachable handle
- Intelligent lighting control holds memory and allows variable brightness (5–100%), giving the ability to select the right amount of light for every situation
- 3-hour run time on high (1,200 lm); 10-hours of run time on low (150 lm)
- Multiple articulation points mean the user can point the light precisely where it is needed
- Non-scratching pads on the clamp mechanism allow for use even on the newest of vehicles
- Bidirectional USB-C, battery "fuel gauge" and charging indicator for the latest in charging technology



ECUHD218

ECUHD218^{} Underhood Light**

- IP65 rated for water and dust resistance
- 2,100 lm LED lamp
- 90° rotatable hooks for different applications
- Build-in slide and 300° swivel capability allow light to be focused where needed
- Bar extends from 48–75"
- Light easily mounts and dismounts from underhood bracket for use in other applications
- Multifunction underhood light with charging bar
- Magnetic base on light allows for mounting to other materials
- Faster charge when on the bar plugged in, and USB-C charger is plugged in as well—full charge this way is 2 hours



ECUHD218-L

ECUHD218-L^{*} 2,000 Lumen Multi-Platform Light

- Built-in "slide and swivel" capability allows the light to be focused exactly where it's needed
- Magnetic base allows for mounting the light to other ferrous materials or future accessory stands/mounts
- Dimmable brightness settings gives the ability to select the right amount of light for every situation
- IP67 rating allows for exposure to water and dust in the toughest environments
- Battery fuel gauge provides the ability to instantly know how much power is remaining



ECUHE300

ECUHE300 3,000 Lumen Underhood Slim Light

- 3,000 lm
- Bar extends from 48.4–80"
- Large 4.8" hook opening for use on a wider variety of vehicles
- Pads on hooks eliminate scratching and slipping
- Powered by rechargeable battery or USB charger
- Slim design for low profile and easy storage
- IP54 rated

Colors Available

* — G HV
 ** — G G —
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Specialty

ECFLPRA350 Wireless Charging Lighting System

- Wireless dynamic charging system allows recharging of either light separately, no need to charge at the same time
- Only works with Snap-on® wireless lights and accessories
- Recharge using the bidirectional USB-C connection
- Equipped with built-in magnets
- Charge external devices with built-in USB charging port (Output: DC 5 V 1 A)
- Wireless charging system includes ECFLD030 Wireless Charge Flashlight, ECPRC050 Wireless Charge Project Light and ECFLPRA0 Wireless Charging Base



ECFLPRA350

ECSPC022BLK[†] Rechargeable COB LED Pocket Flood/Flashlight with Laser Pointer (Black)

- Three-in-one flat surface floodlight, flashlight and laser pointer
- COB LED floodlight for larger work areas
- 200 lm floodlight for easy part inspection
- 80 lm flashlight
- Red laser pointer
- Magnetic pocket clip



ECSPC022BLK



ECSPE102

ECSPE102[™] Active Cooling Pocket Light

- 1,100 lm in a compact package
- Active thermal management keeps internal components cool
- Gauge displays remaining power
- Dimmable down to 100 lm
- Memory setting (starts in last lumen level)
- Extruded aluminum body
- 4-in-1 180° rotating clip with magnet
- USB-C charging
- IP54 rated

ECSPF032B^{™†} 450 Lumen Rechargeable Clip Light (Black)

- 360° rotating head and 180° swivel clip
- Magnets on the clip provide additional mounting options
- Spring-loaded clamping arms



ECSPF032B



ECSPG152

ECSPG152[†] 1,500 Lumen Clamping Worklight

- 1,500 lm
- Non-marring wide clamping arm secures the light to most surfaces for hands-free use
- Head pivots and rotates up to 360°
- Prop up the light when you don't have anything to clamp it onto
- 2.5 hours run time at 1,500 lm; 60 hours at 80 lm
- Folds flat for easy storage

ECSPI042[†] Dual Source Articulating Light

- Dual lighting source goose neck light
- Main body light, 500 lm
- Smaller head light, 200 lm
- Smaller head spot light, 100 lm
- 700 lm when both the head and body light are on
- Aluminum head
- 24" flexible arm
- Two strong magnets in the body for hands-free use
- 2-1/2 hr runtime on high when both the main body and smaller head are on
- USB-C rechargeable



ECSPI042

Colors Available



+ R O G
 ++ O G
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



† Do not lay light face down, if turned on.
 ‡ These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
 • Read Safety Precautions on pages W1-W4

LIGHTING: PROJECTS



ECSPH271

Project

ECSPH271 2,700 Lumen Combo Pocket Lights Kit

- Multifunctional combo light—can be used together as a floodlight or as three individual project lights
- Strong magnets built in to the base enable the combo light to attach to ferrous surfaces for a large area of illumination
- Dual-charge system allows for charging via the combo base, or individually with USB-C port
- Three-light combo: 2,700 lm on high, 270 lm on low; individual lights: 900 lm on high, 90 lm on low
- One-key start for all three lights when combined on base—pressing any light button turns on all three lights at one time
- 360° rotation for maximum illumination angles (on each project light)
- IP65 rated for water and dust resistance

LIGHTING: POWER TOOL



CTLAR761



CTLFD761



CTLSH861

Power Tool

CTLAR761 14.4 V MicroLithium 500 Lumen Cordless Angular Light (Tool Only)

- Variable brightness switch (0–100%) offers the ability to select the right amount of light for every situation
- Intelligent lighting control provides visual warning when light has less than 5% power remaining
- Built-in hook, (2) magnets and tether point provide maximum flexibility when attaching light to work site
- 4-hour run time at 100% brightness; 8 hours at 40%
- IP65 rated for water and dust resistance, allowing for exposure in even the toughest environments
- Battery gauge displays power remaining
- Ergonomic grip and pivoting light bar provide comfort and light where needed most
- Works with CTB8174 battery
- Battery and charger not included

CTLFD761 14.4 V MicroLithium Cordless Floodlight

- 15-hour run time at minimum brightness; 3 hours at maximum brightness
- Works with CTB8174 battery pack (sold separately)
- Unique hinged design allows for up to 120° of adjustment
- Variable-brightness switch with memory function
- Strong magnet on the bottom
- IP54 resistant to water and dust infiltration

CTLSH861 14.4 V MicroLithium 700 Lumen Shop Light (Tool Only)

- COB LEDs provide approximately 700 lm light bar and 200 lm spotlight
- 10-minute low battery warning indicator
- 4-hour run time at the highest brightness; 14-hour run time at the lowest brightness
- 200 lm spotlight run time of approximately 11 hours
- Variable brightness switch (0–100%) gives the ability to select the right amount of light for every situation
- Individual switches for each light provides faster, easier interaction
- Hook provides five locked positions
- Works with Snap-on® CTB8172BK or CTB8174 Battery Pack (battery and charger sold separately)
- IP64 resistant to water and dust infiltration



ECTSA289

Tool Storage

- Robust, updated stylized design makes these light bars a must-have accessory for every tool storage solution
- Improved lighting efficiency, distribution and between 1,297–3,100 lm output
- Remote control options are available to maximize the technician's freedom and mounting locations
- Mount using the extremely strong, built-in rare earth magnets located on the back of the tool

| Stock No. | Description | Lumens | Power | Power, Volts |
|-----------|--|--------|----------|--------------|
| ECTSA109 | 1-1/2' Tool Storage Light Bar with Magnetic Switch | 1,297 | B-Corded | 110 |
| ECTSA289 | 4' Tool Storage Light Bar with Magnetic Switch | 2,650 | B-Corded | 110 |
| ECTSA319 | 5' Tool Storage Light Bar with Magnetic Switch | 3,100 | B-Corded | 110 |

ECTSA109 1-1/2' Tool Storage Light Bar with Magnetic Switch

ECTSA289-RC 4' Tool Storage Light Bar with Remote Control

ECTSA289 4' Tool Storage Light Bar with Magnetic Switch

ECTSA319-RC 5' Tool Storage Light Bar with Remote Control

ECTSA319 5' Tool Storage Light Bar with Magnetic Switch

- Magnetic switch allows the light to turn on/off depending on the door position—one-handed operation



ECTSA109-LOC

LED Light Bars

- LED Light Bars for WorkCenters, Lockers and Bulk Overhead Cabinets
- Automatic on/off: durable and strong contacts provide positive engagement
- Magnetic installation of the light bar and the power switch provides easy installation and maneuverability
- It will create a lighting experience that outshines anything else in the shop
- Top-quality materials and construction
- Highest level of functionality (automatic on/off)
- High-output LED system uses application-specific LED technology

ECTSA109-LOC 1-1/2' Tool Storage Locker Light Bar with Magnetic Switch

- 1-1/2' locker light
- Magnets on the back of the light bar make it easy to install on tool storage
- Magnet sensor for easily controlling the light by opening and closing the door
- Additional power switch offers additional method to control the light
- Total aluminum design for better heat distribution
- One meter power cord and four meter extension cord for long distance use
- Control box with magnet on the back for easy installation on tool storage unit



- Do not lay light face-down, if turned on.
- Read Safety Precautions on pages W1-W4

LIGHTING ACCESSORIES



ECQIBASE



ECFLPRA0



YA537



EC267D



EC268D

Accessories

ECQIBASE Qi Charging Base

- Qi wireless charge base, charge for all Snap-on® wireless lights, can charge a third device that is in compliance with Qi agreements, such as mobile phone
- Pack delivered with 5 V 2 A charger, Input: AC100-240 V, Output: DC5 V 2 A

ECFLPRA0 Wireless Charging Base

- Wireless dynamic charging system allows partial recharging
- Only works with Snap-on® wireless lamps and accessories
- Recharges using the bidirectional USB-C connection
- Equipped with built-in magnets
- Charge external devices with the built-in USB charging port, output: DC 5 V 1 A
- Replacement charger: ECFLPRA0-7 (5 V 3.5 A USB-C Charger)

EC-USB-C-1A Type-C Charger

- 1 A charger with a USB-C recharge cable

EC-USB-C-2A 2A USB-C Charger And Cable**EC-USB-B-1A 1A Micro USB Charger/Cable****EC-USB-B-2A 2A Micro USB Charger/ Cable****YA537 Pocket Magnifier (Blue-Point®)**

- Folding magnifier includes dual 3x lenses for combined 6x effect

EC267D Extension Cord (Blue-Point®)

- 16/3-gauge SJTW cord stays flexible in cold weather and is oil and water resistant
- Length: 25'

EC268D Extension Cord (Blue-Point®)

- 16/3-gauge SJTW cord stays flexible in cold weather and is oil and water resistant
- Length: 50'

FLUID MAINTENANCE: FLUID TRANSFER SERVICE EQUIPMENT

Fluid Evacuators and Transfer Pumps

Easily remove engine oil, transmission fluid, coolant, brake and differential fluids. Unit creates a vacuum, providing a clean, fast and simple way to evacuate or dispense a wide range of fluids. 8 L auto shut-off prevents overflow. 2.3 gal (8.8 L) total capacity. Durable polyethylene construction is impervious to automotive and household chemicals.

VAC201 Manual Fluid Evacuator/Dispenser (Blue-Point®)

- No electrical or compressed air is required
- Sturdy base with an exterior pump helps prevent tipping
- Complete system includes a manual, fluid evacuator, main hose assembly (5/16" I.D. x 54" long) and (2) rigid dipstick tubes for engine oil removal
- 3/16" I.D. x 34" and 1/8" I.D. x 34"

VAC300 Pneumatic Fluid Evacuator (Blue-Point®)

- Quiet operation results from an air muffler on the Venturi pump
- Unit can be used away from an air source by creating a vacuum, closing both shut-off valves and transporting unit to the job
- Fluid evacuates by connecting the tubing and releasing the valves
- Complete system includes air-operated fluid evacuator with Venturi pump and air shut-off valve on the base, a main pour spout connector, main hose assembly (5/16" I.D. x 58" long) and a brake bleeding hose assembly with inline fluid control 1/4" I.D. x 60" long and two rigid dipstick tubes for engine oil removal
- 3/16" I.D. x 34" and 1/8" I.D. x 34"
- Easily remove engine oil, transmission fluid, coolant, brake and differential fluids—not for use with fuel

FLUIDPUMP Fluid Transfer Pump (Blue-Point®)

- Transfer/siphon fluids, including coolant, oil, transmission fluid and water (NO FUEL)
- Use to inflate small low PSI shop cart tires or bicycle tires
- Durable, non-corrosive polyethylene
- Includes a pump, (2) 4' lengths of fluid hose, (2) intake/discharge hose connectors, an air pressure hose, dipstick tube and dipstick/fluid hose adaptor



LUBRICATION: OIL FILTER



Filter Pliers/Filter Sockets

YA4050B Oil Filter Pliers (Blue-Point®)

- Grips oil filters for easier removal
- Jaws are offset 20° from handle to increase accessibility
- Jaw opening range of 2-1/4-4"
- 12" overall length

YA4275 Oil Filter Pliers (Blue-Point®)

- For use on filters 4-1/4-7" (108-178 mm) diameter
- Spring action size adjustment assures a solid grip on the filter
- Offset handle offers increased accessibility
- Heavy-duty forged levers
- Cushioned grips for comfort
- Industrial black finish
- 19" overall length
- Applications include truck, tractor and high-torque diesel engines

YA4250 Oil Filter Pliers (Blue-Point®)

- Slip-joint design provides a jaw opening range of 3-5/8-6"
- 12" overall length

YA4274A Oil Filter Pliers (Blue-Point®)

- For use on filters 2-1/2-5-1/4" diameter
- Offset handle offers increased accessibility
- Heavy-duty forged levers
- Cushioned grips for comfort
- Industrial black finish
- 13-1/2" overall length



• Read and follow all safety messages in instructions.
• Read Safety Precautions on pages W1-W4

LUBRICATION: OIL FILTER



OFSKIT



A106



OFS3847



S3624



OFSH1



OFS36CAP



OFS74



OFVWA74M

Filter Pliers/Filter Sockets

OFSKIT 4 pc Oil/Fuel Filter Socket Set

- Removes and installs 24, 27, 35, 36 mm and 1-1/4" oil filters
- Includes (1) A127 and (1) A106 Oil Filter Sockets, (1) S3624 Filter Flip Socket and (1) A129 Cummins® Diesel Fuel Filter Socket in a storage tray

A127 Applications:

- Removes and installs 27 mm (1-1/16") oil filters on Mercedes-Benz® 1.8 L 4-cylinder engines (2003-later)
- Aftermarket oil filters with one nut at the top of the canister

A129 Applications:

- Removes and installs fuel filter housings found on Dodge® Ram® trucks with the 24-valve Cummins® diesel engine (2002-later)

A106 Applications:

- GM® Ecotec®, 2.0, 2.2 and 2.4 L 4-cylinder engines
- Saturn®: L-series (2001), Ion and Vue (2002-later)
- GM®: Cavalier®, Sunfire®, Grand AM, Sonoma, S10, Alero (2002-later)
- Malibu®: 2002-2006
- Pontiac®: G6 and Solstice (2006)
- Chevrolet®: HHR, Cobalt, Cobalt SS (2006)
- Saab®: Some general applications

S3624 Applications:

- Removes and installs all three filter caps on Ford® 6.0 L Power Stroke® diesel-powered vehicles, such as Super Duty® pickups, Econoline® vans and Excursion®

Additional 24 mm applications:

- Buick®: VVT-V6 Rendezvous Ultra, LaCrosse® CSX
- Cadillac®: VVT-V6 CTS®, STS®, SRX®
- Saturn®: L-3000 V6

Additional 35/36 mm applications:

- Audi®/Volkswagen®: VR6 engine
- BMW®: 6-, 8- and 12-cylinder engines
- Mercedes-Benz®: diesel engines
- Mini Cooper®
- Volvo®: 40 and 50 series, XC90® with 3.2 L 6-cylinder engine

A106 3/8" Square Drive 6-Point SAE 1-1/4" Oil Filter Socket

- Low-profile (1.68 O.D. x 1.04" long) 6-point design to remove the plastic oil filter on GM® Ecotec®, 2.0 L, 2.2 L and 2.4 L 4 cylinder engines
- Features the Flank Drive® wrenching system

A127 Oil Filter Socket

- Remove and install 27 mm (1-1/16") oil filters on 2003 and later Mercedes-Benz® 1.8 L 4 cylinder engines
- Additional applications: aftermarket oil filters with 1" nut at the top of canister
- 1-1/16" wrench size, 3/8" drive

OFS3847 3/8" Drive 14-Point Oil Filter Socket

- 3/8" drive 14-point oil filter socket to be used with a ratchet or breaker bar to free stuck oil filters
- Manufactured from special steel with higher alloy content

S3624 3/8" Square Drive Metric 24/36 mm Filter Flip Socket

- One tool will remove/install all three filter caps on Ford® 6.0 L Power Stroke® diesel-powered vehicles such as Super Duty® Series pickups, Econoline® vans and Excursion®
- Used for removal and installation of the oil filter cap, primary and secondary fuel filter caps
- Not for impact use
- Requires optional 3/8" drive extension (FX1 or FXWP1 1-1/2" long)

24 mm applications:

- Buick® vehicles: VVT-V6 Rendezvous Ultra, LaCrosse® CSX
- Cadillac® vehicles: VVT-V6 CTS®, STS®, SRX®
- Saturn® vehicles: L-3000 V6

35/36 mm applications:

- Audi®/Volkswagen®: VR6 engine
- BMW®: 6-, 8- and 12-cylinder engines
- Mercedes-Benz®: diesel engines
- Mini Cooper®
- Volvo®: 40 and 50 Series, XC90® with 3.2 L 6-cylinder engine
- Nickel-chrome finish

OFSH1 3/8" Drive 65 mm Oil Filter Socket

- Socket works on very common 65 mm oil filter, part numbers 15400-PLM-A01 and 15400-PLM-A02
- 3/8" Drive

OFS36CAP 36 mm Oil Filter Housing Socket

- Oil filter housing socket for Audi®, Volkswagen® and Porsche® vehicles
- Remove or install oil filter housing on 2.0L I4 Turbo TSI/FSI, 3.0 L V6 Supercharged, 3.6 L V6, and 6.3 L V12 engines

OFS74 74 mm Oil Filter Housing Socket

- Removes/install oil filter housings on multiple Volkswagen® and Mercedes-Benz® model engines

OFBENZ84M 1/2" Drive 84 mm Square Drive Metric Filter Socket for Mercedes-Benz® (Blue-Point®)

- Oil filter wrench for cartridge-type filters found on Mercedes-Benz® vehicles with 2.8, 3.0, 3.2, and 3.5 L CDI diesel engines

OFBMW86M 1/2" Drive 86 mm BMW® Oil Filter Tool (Blue-Point®)

- Oil filter wrench for cartridge-type filters found on BMW® vehicles

OFHON64M 3/8" Drive 64 mm Honda®/Acura® Oil Filter Tool (Blue-Point®)

- Oil filter wrench for cartridge-type filters found on Honda® and Acura® vehicles

OFT1 Oil Filter Canister Socket for Toyota® Vehicles

- Low profile, steel design 14 pt, 3/8" drive socket allows easier access to the canister with a stronger tool

OFVWA74M 1/2" Drive 74 mm Mercedes-Benz®/Audi®/VW® Oil Filter Tool (Blue-Point®)

- Oil filter wrench for cartridge-type filters found on Mercedes-Benz®, Volkswagen® and Audi® vehicles



Oil Filter Wrenches

| Stock No. | Size | Steps | Flats | Style | Square Drive, inches | Applications |
|-------------------------|----------|-------|-------|-------|----------------------|--|
| YA995 [†] | 3" | 2 | 16 | Cup | 3/8 | Fram [®] , AC [®] , WIX [®] , NAPA [®] , Saari [®] , Motorcraft [®] , Hastings [®] and Baldwin Filters [®] . Has 1" External Hex |
| YA996 [†] | 76/83 mm | 2 | 14/15 | Cup | 3/8 | OEM [®] and Parator [®] Filters on VW [®] , Nissan [®] and Toyota [®] . Has 1" External Hex |
| A91F | — | — | — | — | — | Large Diameter Oil Filters 1-6"; Includes Both 3/8 and 1/2" Square Drives |
| OFTOY468 [*] | 65 mm | 1 | — | Cup | 1/2 | Lubrication: Remove/Installs Oil Filters |
| OFW12418 [†] | — | — | — | Band | 1/2 | 4-1/8-4-21/32" (105-118 mm) Oil Filters |
| OFW125532 [†] | — | — | — | Band | 1/2 | 5-5/32-5-21/32" (130-143 mm) Oil Filters: Similar to OFW12418 |
| OFWTOY3KTA [*] | 64.5 mm | 1 | 14 | Cup | N/A | Toyota [®] /Lexus [®] /Scion [®] 4-, 6- and 8-cylinder |
| OFWTOY4A [*] | 64.5 mm | 1 | 14 | Cup | N/A | Fits the Housing That Holds All 4-Cylinder Toyota [®] and Lexus [®] Cartridge and Element Filters |
| OFWTOY68A [*] | 64.5 mm | 1 | 14 | Cup | N/A | Fits the Housing That Holds All Toyota [®] and Lexus [®] Cartridge and Element Filters |

[†](Blue-Point®)

Oil Filter Wrenches

OFTOY468 Oil Filter Wrench (Blue-Point®)

- Oil filter wrench for cartridge type filters found on Toyota[®], Lexus[®] and Scion[®] vehicles
- Will withstand loads required to remove over tightened or frozen oil filter covers
- 1/2" square drive and 24 mm (15/16") hex
- 65 mm across flat



OFTOY468



OFW4KT



OFW3



OFW4KT-1



OFWHD3KT

Swivel Oil Filter Wrenches

Oil Filter Wrench Set (Blue-Point®)

- Swivel handle makes wrench easy to turn in tight spots
- Handle swivels more than 180°
- Tension adjusting nut allows swivel pressure to be regulated
- No-slip grip pattern within band grabs onto oil covered filters with ease

OFW4KT 4 pc Oil Filter Wrench Set (Blue-Point®)

- Includes (4) swivel oil filter wrenches

OFW1 Oil Filter Wrench (Blue-Point®)

- Fits small oil and fuel filters 2-3/8-2-5/8"

OFW2 Oil Filter Wrench (Blue-Point®)

- Fits smaller filter size 2-7/8-3-1/4" on many US and imported vehicles

OFW3 Oil Filter Wrench (Blue-Point®)

- Fits most popular 3.625" filters 3-1/2-3-7/8"

OFW4 Oil Filter Wrench (Blue-Point®)

- Fits most tractors and other farm implement equipment 4-1/8-4-1/2"

OFW4KT-1 Vinyl Holder (Blue-Point®)

- Vinyl Holder for OFW4KT

OFWHD3KT Swivel Gripper Heavy-Duty Oil Filter Wrench Set (Blue-Point®)

- Tough, stainless steel band with bonded textured coating for superior non-slip gripping power
- Swivel-grip handle makes it easy to turn in tight spots
- Handles made of tubular steel for increased strength and come with durable no-slip double dipped grips
- Size range and part number is laser marked on the tool
- Wrenches are stored in a vinyl holder

OFWHDHLDR Vinyl Holder (Blue-Point®)

- Vinyl holder for OFWHD3KT kit

OFWHD1 Truck Swivel Gripper (Blue-Point®)

- Truck filters for Cummins[®], Detroit Diesel[®] and others with a range of 4-5/16-4-3/4"

OFWHD2 Tractor Swivel Gripper (Blue-Point®)

- Truck filters for Cummins[®], Detroit Diesel[®] and others with a range of 4-3/4-5-3/16"

OFWHD3 Heavy-Duty Swivel Gripper (Blue-Point®)

- For Caterpillar[®] engines and large filters with a range of 5-1/4-5-3/4"



• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
 † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
 • Read Safety Precautions on pages W1-W4

LUBRICATION: OIL FILTER



OFC14KT



OFC68-14



OFC76-14



OFC76148015



OFC1A1



OFC1A2



OFC1A2KT



OFC1A3HD



OFC1ADPTR

Oil Filter Wrenches

OFC14KT 14 pc Heavy-Duty End Cap Filter Wrench Set (Blue-Point®)

- Comprehensive set covering more applications than ever before; includes 13 end caps that fit 17 sizes
- Includes plated spider wrench with 61-124 mm range
- Butt plate located on outside of wrench provides more clearance and is heat-treated to resist square drive round out
- Wire welds used in addition to spot welds for added strength
- Removable adaptor provides lower clearance in tight spots

OFC65-14 65 mm 14 Flute Filter End Cap Wrench (Blue-Point®)

- Each end cap is laser marked on inside and outside of the tool for easy identification
- Butt plate located on outside of wrench, providing more clearance and is heat-treated to resist square drive round out
- Wire welds used in addition to spot welds for added strength
- Used on Toyota®, Lexus®, Subaru®

OFC6567-14 65-67 mm 14 Flute Filter End Cap Wrench (Blue-Point®)

- Used on ACDelco®, Fram®, Honda®, Purolator®, Toyota®

OFC68-14 68 mm 14 Flute Filter End Cap Wrench (Blue-Point®)

- Used on Mitsubishi®, Subaru®

OFC7374-14 73-74 mm 14 Flute End Cap Filter Wrench (Blue-Point®)

- Used on Toyota® and Lexus®
- Each end cap is laser marked on inside and outside for easy identification

OFC74762-15 74-76.2 mm 14 Flute Filter End Cap Wrench (Blue-Point®)

- Used on Fram®, Motorcraft®

OFC76-14 76 mm 14 Flute Filter End Cap Wrench (Blue-Point®)

- Used on ACDelco®, Purolator®, STP®, Mazda®/Ford®, older Dodge® Sprinter®, BMW®, Mercedes®, Harley-Davidson®

OFC76-30 76 mm 30 Flute Filter End Cap Wrench (Blue-Point®)

- Used on Motorcraft®

OFC76148015 76 mm 14 Flute/80 mm 15 Flute Filter End Cap Wrench (Blue-Point®)

- Used on ACDelco®, Purolator®, STP®, Mazda®/Ford®, older Dodge® Sprinter®, BMW®, Mercedes®, Harley-Davidson®, Honda®, Nissan®, Hyundai®, Kia®, Scion®, Subaru®
- Each end cap is laser marked on inside and outside of the tool for easy identification
- Butt plate located on outside of wrench, providing more clearance and is heat-treated to resist square drive round out
- Wire welds used in addition to spot welds for added strength

OFC86-14 86 mm 14 Flute Filter End Cap Wrench (Blue-Point®)

- Used on newer Dodge® Sprinter®, Mercedes®, Jeep® Cherokee®

OFC86-16 86 mm 16 Flute Filter End Cap Wrench (Blue-Point®)

- Used on Volvo®, BMW®

OFC884-15 88.4 mm 15 Flute Filter End Cap Wrench (Blue-Point®)

- Used on Hyundai®, Kia®

OFC93-15 93 mm 15 Flute Filter End Cap Wrench (Blue-Point®)

- Used on ACDelco®, Fram®, Purolator®, Nissan®

OFC93-36 93 mm 36 Flute Filter End Cap Wrench (Blue-Point®)

- Used on Motorcraft®

OFC1A 58-110 mm Filter Spider Wrench (Blue-Point®)

- New silver plated wrench with 58-110 mm range

OFC1A1KT 58-110 mm Filter Spider Wrench With Adaptor (Blue-Point®)

- Removable adaptor provides lower clearance in tight spots

OFC1A2 61-124 mm Spider Filter Wrench (Blue-Point®)

- Silver plated wrench with 61-124 mm range

OFC1A2KT 61-124 mm Spider Filter Wrench With Adaptor (Blue-Point®)

- Plated spider wrench with 61-124 mm range

- Removable adaptor provides lower clearance in tight spots

OFC1ADPTR Adaptor 3/8-1/2" (Blue-Point®)

- Removable adaptor provides lower clearance in tight spots

OFC1A3HD 73-153 mm Spider Filter Wrench

- Provides lower clearance in tight spots and can be used with 3/8" drive ratchet
- Legs have been heat-treated for improved strength and durability
- Longer legs have been sharpened to provide better engagement
- Chrome plated finish for easy clean-up

OFC1A3HDKT 73-153 mm Spider Filter Wrench with Adaptor

- Includes 3/8-1/2" drive adaptor

Funnels/Spouts

GA96B Transmission Filler (Blue-Point®)

- 8-1/2" oval funnel with a filter screen
- 30" long

OFUN36 Oil Funnel for Chrysler® and Dodge® Vehicles

- Made of durable ABS plastic
- Creates a custom fit to valve covers and filler necks
- Helps prevent messes when filling engine with oil
- Application include various 2011–2015 Chrysler® Town and Country®, Dodge® Avenger®, Challenger®, Charger®, Durango®, Grand Caravan® and Journey®, and Jeep® Grand Cherokee® and Wrangler® models



Manual Grease Guns

| Stock No. | Specifications | PSI | Loading | Capacity, ounces | Flexible Hose | Rigid Extension |
|-----------|----------------|--------|--------------------------------|-------------------------------|---------------|-----------------|
| YA734A* | Pistol Grip | 6,000 | Bulk Cartridge or Filler Pump | 16 (Bulk), 14-1/2 (Cartridge) | 13" | 6" |
| YA728A* | Lever | 6,000 | Bulk or Cartridge | 16 (Bulk), 14-1/2 (Cartridge) | 13" | 6" |
| YA4190A | Mini | — | Cartridge | 3 | — | — |
| GA471* | Pistol Grip | 4,500 | Bulk, Cartridge or Filler Pump | 3 | — | 8-3/4" |
| GA472* | Pistol Grip | 5,000 | Bulk, Cartridge or Filler Pump | 14 | — | 13-1/4" |
| GA473A* | Lever | 10,000 | Bulk, Cartridge or Filler Pump | 14 | — | 13-1/4" |

*Blue-Point®



Air Powered Grease Guns (Blue-Point®)

| Stock No. | PSI | Air Operating PSI | Pump Ratio | Loading | Capacity, ounces | Flexible Hose | Rigid Extension |
|-----------|-------|-------------------|------------|--------------------------------|------------------|---------------|-----------------|
| YA771B | 6,000 | 35–60 | 40:1 | Bulk, Cartridge or Filler Pump | 14 | 16" | 6" |
| YA772B | 4,000 | 40–100 | 40:1 | Bulk, Cartridge or Filler Pump | 14 | 16" | 6" |



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read and follow safety messages in the instructions.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P5 for details.
- Read Safety Precautions on pages W1–W4.

LUBRICATION: GREASE AND OIL



YA7500

Dispensing Accessories

YA7500 11 pc Grease Dispensing Accessory Pack

- Includes YA760–YA750 in a storage tray

YA758 Flex Whip Hose

- For hand-operated grease guns only; 18" long

YA752 Flex Whip Hose

- 18" long version of YA751

YA751 Flex Whip Hose

- For powered and hand-operated grease guns
- 4,500 maximum PSI; 12" long

YA754 Swivel Coupler

- Swivels 360°; locks in position every 45°

YA755 Coupler

- Fits all hydraulic type grease fittings

YA753 Heavy-Duty Coupler

- Fits all hydraulic-type grease fittings

YA750 Needle Nozzle

- 2-3/4" long

YA757 Angle Lube Adaptor

- 4-1/2" long with a 90° head allows fast and complete lubrication of the steering and suspension systems on late-model FWD vehicles

YA761 Needle Nozzle Coupler

- Same as the YA750 only with a locking sleeve adaptor for quick attachment to a hydraulic coupler



YA747



YA801

YA756 Extension Coupler

- Lubricates recessed fittings; 6" long
- Locking sleeve adaptor allows quick attachment to a hydraulic coupler of any control valve or lever gun

YA760 High-Pressure Universal Swivel

- 1/2"-27 male x 1/4" NPT(m) threads
- 5,000 PSI maximum working pressure

YA747 Grease Control Valve

- 1/4" NPT(f) inlet; 7,500 maximum PSI
- Includes a 6" extension tube and YA753 coupler

YA801¹ Needle-Type Adaptor (Blue-Point[®])

- 4-7/8" long adaptor for universal joint fittings, water pumps and metal-covered springs

GA472-2¹ Grease Fitting Coupler

- Push-on design with neoprene nipple and ball
- Features a spring check valve

GA472-3 Flexible Polybraided Hose

- 12" long

GA472-9 Flexible Polybraided Hose (Blue-Point[®])

- Oil, grease and solvent resistant with brass end fittings



YA762



UFREE1



YA746



YA745A

Dollies

YA762 Band Dolly

- Provides mobility for 25–50 lb original refinery containers
- Includes jam swivel casters and screw clamp for a secure adjustment

Grease Fitting Cleaner

UFREE1¹ Grease Fitting Cleaning Tool

- Quickly and easily frees up joints and fittings for proper greasing and lubrication
- Injects light-viscosity oil into the grease joint via the grease fitting to break up and remove dirt, rust and debris

Oil Spray and Suction Guns

YA746 Oil Spray Gun

- Siphon-type spray gun for spraying lubricating oils, cutting oils and cooling oils
- Includes a 6' vinyl suction hose with a strainer

YA745A Oil Spray Gun (Blue-Point[®])

- 16 oz capacity
- Fast, clean method for removing or adding transmission and gear oil
- Special follower is impervious to oil, grease and water

Transmission Tables

PBT5X29 Transmission Table

- 5' long
- 1,000 lb load rating

PBT2120 Drawer

- Optional drawer
- 20 x 20 x 5"



Drains

YA743 Waste Oil Drain

- Fits standard 16-gallon drum
- Includes a float gauge in a drum cover, telescopic drain bowl adjustable from 42-3/4-70" and a roll-around base
- Drum is not included

YA749 Drain

- 24-1/2" dia
- Fits 6" or larger drain bowls
- Prevents spillage when removing transmission pans



YA743



YA749

Drum Plug

A172A 1/2" Drive Drum Plug Socket

- One socket removes virtually all screw-in drum plugs or caps
- Spring-loaded inner wrench handles smaller plugs and recesses automatically when removing large plugs
- For use with a 1/2" drive ratchet or impact wrench



A172A



Oilers

OC5A Oiler (Blue-Point®)

- 5-1/2" small pressure oiler has a long, tapered spout with a screw on tip
- 1-7/8" O.D.
- Includes base holder

OCF5 Oiler (Blue-Point®)

- Similar to OC5A Oiler with a flexible spout.



OC5A



OCF5



• Read and follow safety messages in the instructions.

• Do not overload.

† These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.

• Read Safety Precautions on page W1-W4.

LUBRICATION: GREASE AND OIL



A180A



YA470C



YA742



YA741



YA739



YA738



YA737

Bearing Packers

A180A Manual Bearing Packer

- Simultaneously pressure packs inner and outer wheel bearings 3/4" minimum I.D. and 4" maximum O.D.
- Use with pressurized lube equipment or a hand grease gun
- Includes a dust cover

YA470C Manual Bearing Packer (Blue-Point®)

- Packs 50–65 bearings with one grease filling
- Applies manual pressure to flush and pack a bearing with grease
- Includes a dust cover
- 4-1/2" high

YA742 Manual Bearing Packer

- Unit features a large packer head
- Handles bearings to 9-1/2" O.D. and minimum 9/16" I.D.
- Includes an adaptor to service smaller bearings of 1-1-3/4" O.D.

YA741 Bearing Packer

- Clamps securely to any 25–50 lb original refinery container
- Handles any ball or roller bearing with 5/8–1-1/2" I.D. and 3-1/4" maximum O.D.
- Primes and pumps even when using heavy grease at low temperatures
- Follower plate prevents funneling of grease
- Hose and grease gun are not included

Grease and Gear Oil Pumps/Manual

YA739 Manual Gear Oil Pump

- Fits any 25–50 lb original refinery container
- Delivers 1 oz per stroke using SAE® 90 gear oil at 70 °F
- Includes 5' of 1/2" low-pressure hose with a dispensing nozzle

YA737 Manual Operating Grease Pump

- Clamps securely to any 25–50 lb original refinery container
- Handles any ball or roller bearing with 5/8–1-1/2" I.D. and 3-1/4" maximum O.D.
- Primes and pumps even when using heavy grease at low temperatures
- Follower plate prevents funneling of grease

YA738 Manual Gear Oil Pump

- Fits any 120 lb original refinery container
- Powerful 50:1 ratio pump with 20 in³ displacement
- Includes a roll-around base, straight swivel, 7' of 1/4" high-pressure hose, quick-connect air coupler, follower plate, YA747 grease control valve and a YA760 universal swivel

Grease Pumps/Air

YA735 Air Operated Grease Pump

- Fits any 120 lb original refinery container
- Powerful 50:1 ratio pump with 20 in³ displacement
- Includes a roll-around base, straight swivel, 7' of 1/4" high-pressure hose, quick-connect air coupler, follower plate, grease control valve and a universal swivel

YA736 Air Powered Grease Pump

- Fits any 20–50 lb original refinery container
- Powerful 50:1 ratio pump utilizes 20 in³ displacement
- Includes 6' of 1/4" high-pressure hose, quick-connect air coupler, follower plate, YA747 grease control valve and a YA760 universal swivel

YA759 Air Powered Grease Pump

- 50:1 ratio pump
- Uses a 120 lb container size and handles all grades of lubricant
- Features an internal muffler for quiet operation and a pre-lubricated air motor requiring no external oiler
- Exclusive microlapped hardened steel air valve and seat to assure a long and productive service life, with no packings to wear out
- Shovel-type foot valve adds mechanical priming to normal suction
- Casters offer the unit mobility
- Does not include a barrel



Oil Filler Cap Tools

OCR1 Oil Cap Removal Tool

- Tough nylon material will not damage oil fill caps
- Steel square drive connection for added durability
- Used with a 3/8" drive ratchet
- Use for Chrysler® 300 V6 3.5 L (2010) and Sebring® V6 3.5 L (2010)
- Dodge® Dakota® V8 4.7 L (2000–2007), Durango® V6 3.7 L, V8 4.7 L and V8 5.7 L (2000–2008), Nitro® V6 3.7 L (2007–2008) and Ram® 1500 pickup V6 3.7 L, V8 4.7 L and V8 5.7 L (2002–2007)
- Jeep® Commander® V6 3.7 L, V8 4.7 L (2006–2007), Grand Cherokee® V6 3.7 L, V8 4.7 L (1999–2008) and Liberty® V6 3.7 L (2002–2007)
- Mitsubishi® Raider V6 3.7 L and V8 4.7 L (2006–2007)

OCR2 Radiator Reservoir and Oil Fill Cap Tool

- Tough nylon material will not damage reservoir and oil fill caps
- Steel square drive for added durability
- Used with a 3/8" drive ratchet
- Used for radiator reservoir caps on VW® vehicles, and oil fill caps on Audi®, Honda®, Toyota®, Chevrolet®, Ford® and Jeep® vehicles



- Wear safety shield (user and bystander).
- Read and follow safety messages in the instructions.
- Read Safety Precautions on pages WT-VA.

ENGINE SERVICE TOOLS



YA9680



YA1150



ML6000



CC100



ML6000COMBO



ML5500



ML5500KT



YA9730



CGH1236



TSP102

Timing Belt/Chain Replacement**YA9680¹ Camshaft Pulley Tool (Blue-Point[®])**

- Designed to hold the camshaft pulley in place while turning the center shaft bolt
- Extremely useful on transverse mounted V6 engines, such as the Nissan[®] Maxima[®]/VG30 engine and Toyota[®] Camry[®]/3VXFE and 1M2FE engine
- Rear pulleys on these vehicles are located in close proximity to the shock tower making it difficult to remove/replace the center shaft without this tool

YA1150¹ Small-Pin Cam Gear Holder (Blue-Point[®])

- Small diameter (10 mm) grooved pins fit snugly into the small holes in the cam gear
- Long handle with a cushioned grip provides excellent leverage so the cam gear bolt can be tightened or loosened
- Companion tool to YA9680, which has larger diameter pins for cam gears with larger holes

ML6000 Cam Lock Tool/Timing Gear Clamp (Blue-Point[®])

- Prevents engine damage resulting from incorrect timing
- Maintain valve timing during belt replacement on twin and quad cam engines
- Compact design allows access in transverse engines
- Fits timing gear diameters from approximately 4–6" (101–152 mm)
- Fits gear spacing approximately 0.06–3" (1.6–76 mm)

CC100 Single Cam Clamp (Blue-Point[®])

- Single cam clamp can be used on engines where the dual clamp ML6000 will not fit
- Compact design permits easy operation in confined engine areas
- Prevents engine damage resulting from incorrect timing
- Maintains valve timing during belt replacement on twin and quad cam engines
- Simple and easy to use
- Manufactured from high-strength industrial polymers which will not corrode or damage engine pulleys

ML6000COMBO Cam Clamp Set (Blue-Point[®])

- Includes (4) CC100 Single Cam Clamps and (1) ML6000 Dual Cam Clamp in a storage tray

CCS100 GearLock Single Gear Clamp

- Used on single and twin cam engines when a dual cam gear lock may not fit
- Perfect tool in situations where individual gears need to be locked, such as when gears need to be removed to replace seals

- Forcing screw and thread insert are made of steel while the body made from high-strength fiberglass-reinforced polymer

CCS100PK 4 pc GearLock Single Gear Clamp Set

- Includes (4) CCS100 GearLock Single Gear Clamps

MLS500 GearLock Dual Timing Gear Clamp

- Can be used on most vehicle makes and models with timing belts
- Used for most dual cam engines to quickly lock and hold valve timing during belt replacement
- Patented "Multi-Point" adjustment for positive fit on all gear diameters
- Horizontal and vertical adjustments provide coverage over wide range of gear diameters
- Spring-loaded GearLock Dual Timing Gear Clamp reduces setup time
- Engagement teeth are made of heat-treated forged steel and frame constructed of high-strength fiberglass-reinforced polymer

MLS500KT GearLock Timing Gear Clamp Kit

- Quickly locks and holds valve timing during belt replacement on most dual-cam engines
- Engagement teeth are made of heat-treated forged steel
- Frame is constructed of high-strength fiberglass-reinforced polymer

YA9730¹ Timing Belt Tensioner Compressor (Blue-Point[®])

- For 1995–later Toyota[®] T-100, Tacoma[®] and 4Runner[®]
- Turn the square compressor tensioner, then install the locking pin (YA9730-5 included with YA9730)

CGH1236¹ Cam Gear Holder

- Tool holds the hex at the gear hub making removal and tightening of the cam gear bolt easy and accurate
- Hole at the center of the tool allows a socket to be inserted through the tool for removal and replacement of the cam gear bolt
- Fits a large number of vehicles, 18 different models from 1995–2011

TSP102 Timing Tool Set Mopar[®] Engines

- Unique design does the entire range of years with just two tools
- Used to loosen the timing chain tensioner on the Pentastar 3.6 L motor—one tool per cylinder bank
- Snap-on[®] tools are made of aluminum with SDD handles for optimum grip and performance making them superior to many tools on the market made of plastic, that tend to break or get damaged during use

TSP11 Slotted Mopar[®] Blade**TSP2 Non-Slotted Mopar[®] Blade**

Timing Belt/Chain Replacement

YA4660 Camshaft Sprocket Holding Tool (Blue-Point®)

- Pivoting design fits most cam and injection pump gear sizes
- Detent grooves on holding pins give the user a sure hold
- For use as a counter holder when loosening or tightening sprocket retainer bolts



YA4660

MCH1280 Cam Holder for Mercedes-Benz® Vehicles

- This tool ensures that the cam does not move, enabling the tech to complete the job without any worry of needing to re-time the motor
- Unique tool is designed to lock the left intake cam in place while servicing the cam chain drive system
- A lock (located in rear intake cam and bolted to cylinder head) locks the cam and keeps it from rotating, reducing the chance of mistakes in the cam timing
- Keeps related components in time with each other, eliminating the need for additional man hours to hold the cam in place



MCH1280

Applications:

- Used on 272 and 273 Series Mercedes-Benz® engines

ML5000 DOHC Lock Tool (Blue-Point®)

- Locks cam shaft sprockets in place to preserve engine timing during belt or chain replacement
- Knurled pins on the unit lock on to the groove on the inside of the cam wheel
- Unit base is constructed from anodized aluminum
- Pins are steel
- Works with most import and US cars and light trucks



ML5000

TGH15 Timing Gear Holding Tool (Blue-Point®)

- Securely holds timing gear during removal and installation

TSK5KT Timing Service Kit (Blue-Point®)

- Complete kit for timing belt replacement and service
- Securely holds timing gear during removal and installation
- Allows rotation of the cam gear to align valve timing marks
- Single-lever locking design is easy to use
- Slimline design allows maximum access
- Kit includes TGH15 Timing Gear Holding Tool and CC100PK Single Cam Clamp Set



TGH15

TSK29KT Timing Belt Service Kit

- Comprehensive kit for timing belt replacement, crankshaft and camshaft seals, and other engine service
- Dual-cam gear lock is used for most dual-cam engines to quickly lock and hold valve timing during belt replacement
- Single-cam gear locks are used for single-cam engines, twin-cam engines (when dual-cam gear lock may not fit); and in situations where individual gears need to be locked, such as when gears need to be removed to replace seals
- Timing gear holder adjusts and locks onto the cam gear to prevent rotation when removing and installing the mounting bolt
- Crankshaft and Camshaft Seal Tool Kit includes (7) installation mandrels made from high-strength fiberglass-reinforced polymer, suited for 21.5–64 mm seals and (7) bushings suited for 8–20 mm bolts
- Compact puller with unique extracting hooks engage seal for quick removal, and the interchangeable sleeves and mandrels allow easy installation of the new seal



TSK5KT



TSK29KT



• Read and follow safety messages in the instructions.

†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.

• Read Safety Precautions on pages W1-W4

ENGINE SERVICE TOOLS



EEPV507

Oil Pressure/Oil Pump/Oil Temperature

EEPV507 Engine Oil Pressure Set

- Used on diesel and gasoline engines
- Includes SAE and metric adaptors for cars, trucks, tractors and stationary engines
- Includes a 0–100 PSI (0–700 kPa) gauge assembly
- Technical Support: 855-779-8880

A121A Oil Pressure Sender Switch Socket

- For 1987 and later Ford®, GM® and Chrysler® vehicles
- 1-3/16", 12-point wrench size, 3/8" drive
- 3-11/16" long



A121A



A119C



A120A

A119C 3/8" Drive SAE 1-1/16" Oil Pressure Sender Switch Socket

- Use for 1986 and earlier Ford®, GM® and Chrysler® vehicles
- 1-1/16" special wrench configuration
- 2-1/16" long

A120A 3/8" Drive SAE 1-1/16" Oil Pressure Sender Switch Socket

- Use for 1987 and later Ford®, GM® and Chrysler® vehicles
- Can also be used for 1999 Mitsubishi® Eclipse® with the 2 L DOC non-turbo 420A engine
- Same design as A119B but longer
- 1-1/16" special wrench configuration
- 3-11/16" long



S6152



S7400



YA6555

S6152 3/8" Drive 1-1/16"**Oil Pressure Sender Switch Crowfoot Wrench**

- Use for 1986 and earlier Ford®, GM® and Chrysler® vehicles
- 1-1/16" wrench opening, 3/8" drive

S7400 1/4" Drive 24 mm Single Hex Oil Pressure Switch Socket

- Thin wall design with turned down body for access to oil pressure switch/sensor without removing or causing damage to coolant crossover pipe
- 1/4" drive; 24 mm single hex socket
- Provides access to oil pressure switch/sensor on 2005–present Kia® and Hyundai® 3.3L and 3.8 L V6 (Lambda Series) engines
- Manufactured from a special alloy steel in the USA

YA6555 Oil Pump Removal Tool for GM® Vehicles (Blue-Point®)

- Designed to work on most GM® V6 engines
- No need to remove the intake manifold
- Makes removal of the oil pump drive fast and easy
- Applications: GM® 2.8 L V6 (1987–1989), 3.1 L V6 (1990–1994), 3100 V6 (1994–2005), 3.4 L V6 (1999 and later)



PMM410A



PMP410A

Drain Plug

PMM410A 3/8" Drive Metric 10 mm External Pipe Plug Socket

- 10 mm male square
- For removing or replacing oil pan plug
- 3/8" drive, 11/16" O.D., 1" long
- Manufactured from special alloy steel
- Precision forged and heat treated for optimum strength and durability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean

PMP410A 3/8" Drive Metric 10 mm Internal Pipe Plug Socket

- 10 mm female square
- For removing or replacing standard transmission drain plug
- 3/8" drive, 3/4" O.D., 1" long
- Female pipe plug socket (for Renault® LeCar)



S5902



SDMV1



S9615A

S5902 Oil/Transmission Plug Box End 17 mm, 6-Point, 21 mm, 12-Point Wrench

- Box ends are 17 mm, 6-point and 21 mm, 12-point
- Designed for VW® transmission drain plugs
- 258 mm long

SDMV1 Oil Drain Plug Bit for VW®

- Bit for 1/4" ratcheting screwdriver that can be used to loosen and tighten various VW® oil drain plugs
- Bit designed to engage plastic drain plugs used on 2015+ L4 (2.0 L & 1.8 L) gas and diesel engines used in various VW® Beetle®, Jetta®, and Golf® models

S9615A 9/16–15 mm 12-Point SAE/Metric Pan Plug Wrench

- 9/16" and 15 mm 12-point box ends fit most popular GM® drain plugs
- 10° offset at each end for maximum clearance
- Both box ends feature Flank Drive® wrenching system
- 9-23/32" long

Cylinder Head

GDCT16 Combustion Leak Tester

- Provides an easy and quick way to diagnose engine overheating problems
- Checks for leaks between the combustion chamber and the cooling system
- Tests head and gasket for combustion leaks before removing the radiator
- Double chamber in the testing unit provides a high level of accuracy
- For use on water-cooled gas and diesel engines
- Kit includes a complete test chamber, 16 oz bottle of testing fluid and instructions

GDCT161 Leak Detector Fluid (Blue-Point™)

- 16 oz bottle of leak testing fluid for the GDCT16 Combustion Leak Tester

S6132A 3/8" Drive Metric Valve Cover Bolt Socket

- For GM® vehicles, 1976 and later Honda® vehicles and other import and US vehicles
- 10 mm, 12-point wrench size
- Allows access to head bolts, valve and rocker covers and oil pan bolts
- Deep clearance for bolts with extended tip as used on spark plug wire harness
- 3/8" drive; 11/16" O.D.
- 4-1/8" long

S6160 1/2" Drive 12-Point Metric 12 mm Extra-Long Head Bolt Socket

- Use on 1986-later Nissan® engines with 12 mm head bolts
- 8" length reaches past the cam and rocker assembly to service head bolts
- Thin-profile socket and shank will reach through the access hole and past the overhead camshaft
- Additional high-torque applications include removal and installation of universal joint flange bolts on Ford®/Mercury® cars such as Mustang®, Crown Victoria®, Lincoln®, Ford® Explorer®, Ranger® and F-150®/F-250® trucks

S6194 1/2" Drive 12-Point Metric 12 mm Head Bolt Socket

- Used on Toyota® and Nissan® cars and trucks, and Honda® cars with 12 mm head bolts
- 4-1/8" length reaches past the cam and rocker assembly to service the head bolts
- Thin-profile socket and shank reach through the access hole and past the overhead camshaft
- Additional high-torque applications include removal and installation of universal joint flange bolts on Ford® Explorer®, Ranger® and F-150®/F-250® trucks



GDCT16

S6214A



S6132A



YA6610



S6160



FRT12



S6194



S6260

S6193 1/2" Drive 12-Point Metric 10 mm Head Bolt Socket

- Use on all 1981 and later Toyota® and Nissan® cars and pickups and 1976 and later Honda® vehicles and other import and US cars with 10 mm head bolts
- Additional uses include drive shaft universal joint attaching bolts for Ford® vehicles
- 4-1/2" length reaches past cam and rocker assembly to service head bolts
- Thin-profile socket and shank will reach through the access hole and past overhead camshaft

S6195 1/2" Drive 12-Point Metric 14 mm Head Bolt Socket**S6214A 1/2" Drive 14 mm Head Bolt Socket for Subaru® Vehicles**

- 1/2" drive configuration allows for use of proper capacity torque wrenches required for setting specified torque on cylinder head bolts
- Overall socket length is optimized to clear valve train components and maximizes working space between cylinder head and unibody frame
- Additional socket length also provides access for proper capacity torque wrenches to operate while the engine is still in the chassis
- Manufactured from special steel with higher alloy content
- Precision machined and heat-treated for optimum strength and durability

YA6610¹ 6 pc Head Handler Set

- Convenient and balanced T-handle design helps move cylinder heads faster and easier
- No need to bear hug the cylinder head during movement
- Attached floating washer for increased surface contact
- Comfortable, secure gripping surfaces for hands
- Includes (6 pc) (2) head handlers (6 x 1.0 threads), (2) head handlers (1/4" x 20 threads) and (2) head handlers (8 x 1.25 mm threads)

YA6611¹ M6 x 1.0 Thread Head Handler (Blue-Point™)**YA6612¹ 1/4" x 20 Thread Head Handler (Blue-Point™)****YA6613¹ M8 x 1.25 Thread Head Handler (Blue-Point™)**

- Wear safety shield (user and bystander).
- Read and follow safety messages in the instructions.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.



ENGINE SERVICE TOOLS



S6222

Fuel System Maintenance

S6222 Oil Rail Socket

- Designed to aid the removal/installation of the ball/cup from the high-pressure oil rail to service the o-rings
- Previously only repairable by replacing the entire Ford® OEM High-Pressure Oil Manifold as a unit, now allows manifold rebuilds for a fraction of the cost



S6192A



S6192A-1



CJ147A



ADT30KT



YA1350

Power Steering/Alternator/Water Pump

S6192A Water Pump Socket

- 1/2" square drive socket features dovetail design to deliver positive engagement when applying high-torque
- Black industrial finish
- Applications: 1992–2011 Cadillac® Northstar® 4.6 L V8; 1997–1998 Oldsmobile Aurora 4.0 L

S6192A-1 Water Pump Socket Stabilizing Strap

- Bolts on water pump to secure S6192A water pump socket in place during water pump removal and replacement
- Includes (2) M6 x 12 bolts for securing strap to water pump
- Black industrial finish
- Applications: 1992–2011 Cadillac® Northstar 4.6 L V8; 1997–1998 Oldsmobile Aurora 4.0 L

CJ3PS8 8 pc Power Steering Puller Set

- One-piece reversible dual yoke utilizes a cup design to provide more surface contact reducing the chance of slippage or surface damage
- Puller driver assembly incorporates a 1" hex, thrust bearing and Fine thread Pressure screw permitting easy turning while providing maximum loading, which results in flush installation with positive stop
- All adaptors are designed to use with a single pressure screw further reducing the number of tools needed for greater user convenience
- Reversible dual yoke, one-piece driver, and a single pressure screw with multiple adaptors allows quick changeover resulting in faster set-ups and fewer man-hours
- Power Pressure screws and Installer adaptors are roll threaded and heat-treated for strength and durability
- The yoke and driver are heat-treated for max strength and durability and zinc plated to prevent corrosion

GM® vehicles:

- 60° V6 Engines: 2004–2011 2.8 L, 1991–2005 3.1 L, 1991–2011 3.4 L
- 90° V6 Engines: 1982–2009 3.8 L, 2005–2010 3.5 L
- Other V6 Engines: 2004–2016 3.6 L, 1993–2010 3.9 L

- L4 Engines: 2007–2016 1.6 L, 1991–1999 1.9 L, 1992–2003 2.2 L, 1987–1991 2.3 L (Quad 4)
- L5 and L6 Engines: 2004–2012 3.7 L, 2002–2009 4.2 L
- Vortech® Engines: 1977–2018 4.3 L (V6), 1982–1990 5.0 L, 1982–1990 5.7 L, 1977–1993 7.4 L, 1987–2018 8.1L
- L5 Engines: 1982–2011 4.6 L, 1982–2018 4.8 L, 1978–2018 5.3 L, 1987–2018 6.0 L, 1977–1993 6.2 L
- Diesel (incl. Duramax®): 1987–2002 6.5 L, 1977–1993 6.2 L, 2001–2010 6.6 L

Ford® vehicles:

- Mod Motors: 1993–2010 4.6 L, 1997–2010 5.4 L, 1997–2010 6.8 L, 2011–2014 5.0 L (Coyote)
- Diesel: 1994–2003 7.3 L, 2003–2010 6.0 L, 2008–2010 6.4 L, 2011–2017 6.7 L
- V6 Engines: 1996–2005 3.0 L, 1995–2004 3.8 L, 1990–2003 4.0 L, 2005–2008 4.2 L
- L4 Engines: 1995–2017 1.3 L, 1997–2013 2.0 L, 2001–2013 2.3 L
- V8 Engines: 1983–1997 5.0 L (Windsor), 1978–1998 5.8 L

Chrysler® vehicles:

- 1995–2005 2.0 L, 1995–2009 2.4 L, 1987–2006 2.5 L
- V6 Engines: 1998–2010 2.7 L, 1991–2000 3.0 L, 1999–2008 3.2 L, 1990–2000 3.3 L, 1990–1997 3.5 L, 2002–2012 3.7 L, 1990–2008 3.8 L, 1992–2003 3.9 L
- L6 Engines: 1987–2004 4.0 L
- V8 Engines: 1999–2012 4.7 L, 1993–2003 5.2 L, 1993–2017 5.7 L and 5.9 L, 2005–2010 6.1 L, 2014–2017 6.2 L, 2014–2017 6.4 L
- V10 Engines: 1992–2003 8.0 L
- Diesel (Cummins®): 2003–2017 5.9 L and 6.7 L

CJ147A Power Steering Gear Lower Pinion Bearing Puller

- Required tool to comply with GM® recall bulletins #02049 and #03062 regarding power steering gear lower pinion bearing separation
- To correct the problem, inspect the condition of the lower pinion bearing and replace the lower pinion bearing—in a few cases, replacement

of the rack and pinion steering gear assembly may be necessary—instructions included with tool

- Applications include Buick®: Regal® 1996–1998; Chevrolet®: Cavalier™ 1996–1998, Lumina 1997–1998, Lumina APV 1996, Malibu® 1997–1998, Monte Carlo 1997–1998, Venture 1997–1998; Oldsmobile: Cutlass 1997–1998, Cutlass Supreme 1996–1998, Silhouette 1996–1998, Intrigue 1998; Pontiac®: Grand Prix 1996–1998, Sunfire 1996–1998, Trans Sport 1996–1998

ADT30KT Alternator Pulley Kit (Blue-Point®)

- Aids installation and removal of Alternator Decoupler Pulleys either OWC (One Way Clutch) or OAD (Overrunning Alternator Decoupler)
- Varying lengths of hex, TORX® and spline configurations allow user to handle unique combinations for a difficult task
- Master kit eliminates the need to shop around for hard-to-find tools and reduces service bay downtime that can erode a technician's profit
- OWC and OAD pulleys exist on over 20 million cars and growing
- Tool can be used on all major ADP Manufacturers including INA®, Gates® and Litens®
- The most comprehensive kit on the market
- Features a combination of hex bits, TORX® bits, spline sockets and specialty bits to work in conjunction to remove pulleys from alternator
- Drop forged and precision CNC components to meet the tight tolerances of the application

YA1350 Toyota® Water Pump Pulley Wrench (Blue-Point®)

- Essential tool for preventing pulley damage when removing or installing bolts
- Fixed pin dimension for quick, easy installation
- Unique bend to clear engine compartment obstacles
- Wrench head shaped for generous clearance around the bolts



Belt Tensioning Tools

SRD6 Belt Tensioner Release Tool

- 6" long adaptor with 1/2" male square
- Female triple square drive allows more flexibility to work around obstacles by coming in at different angles with a 1/2" breaker bar
- Similar to the Snap-on® 6" torque adaptors but with a male square
- If using with a torque wrench, refer to the Snap-on® SS306G Torque Chart for the formula to obtain the correct applied torque

Heavy-Duty Applications:

- For serpentine belt tensioners with a 1/2" square drive opening found on Detroit Diesel® Series 60® and Caterpillar® engines
- Other applications include buses and delivery vans where the doghouse or engine shrouding can get in the way and make the work area very tight

Automotive Applications:

- 1/2" serpentine belt tensioners on Dodge®/Chrysler® (2.0 and 3.0 L engines) Ford®, Lincoln® and Mercury® (2.3, 3.0, 4.2 and 4.6 L engines) GM® (2.5, 4.7, 5.0 and 5.7 L engines) vehicles

SBT26² Serpentine Belt Tool (Blue-Point™)

- Works on all serpentine belts
- Clamping jaw allows user to position serpentine belt without the belt slipping out of the tool
- Positive grip allows belt routing in tight access areas
- Ergonomic handle provides comfort and ease in use
- Lightweight steel body for durability and strength

YA9417A¹ Belt Tensioning Tool (Blue-Point™)

- General use belt tool for installation and removal of V-belts and timing belts
- Two-pin design and long length allow user to push and pull belts as needed for access in restricted areas

YA9340 Serpentine Belt Wrench (Blue-Point™)

- Used to release any serpentine belt tensioner with a 1/2" square drive opening
- Ratcheting action allows better positioning of the tool, creating a greater swing angle than a solid-type serpentine belt wrench
- Reversible ratchet head is only 1" thick so it will fit between the tensioner face and fan blades on Detroit Diesel® S Series 60® and some Caterpillar® engines
- Also ideal for working on buses and delivery vans where the doghouse or engine shrouding restrict access
- Compact overall length keeps handle from coming in contact with radiator hoses, charged air cooler pipes, hydraulic lines or frame rails
- Vinyl grip for comfort
- 13" overall length

YA9350B¹ 9 pc Ratcheting Belt Tensioning Wrench Set

- Allows direct access to belt tensioners without removing engine accessories or frame components
- Covers almost 90% of all vehicles equipped with spring-loaded serpentine belt tensioners
- Includes (1) belt tensioning wrench and (8) adaptors
- All adaptors feature a 15 mm external hex drive
- Applications: Chrysler® (Dodge® and Plymouth®), Ford® (Lincoln® and Mercury®), GM®, Isuzu®, Jeep®, Lexus®, Mazda®, Mitsubishi®, Saturn, Toyota®, VW® vehicles

YA9350-2² 14 mm Hex Adaptor (Blue-Point™)

YA9350-3² 18 mm Hex Adaptor, (Blue-Point™)

YA9350-4² 3/8" Square Drive Adaptor (Blue-Point™)

YA9350-5² 1/2" Square Drive Adaptor (Blue-Point™)

YA9350-6² 13 mm / 1/2" Hex Adaptor (Blue-Point™)

YA9350-7² 16 mm / 5/8" Hex Adaptor (Blue-Point™)

YA9350-8² 15 mm Hex Adaptor (Blue-Point™)

YA9350-9² 19 mm / 3/4" Hex Adaptor (Blue-Point™)

YA9350B¹ Belt Tensioning Wrench

- Do not use "cheater bars" on handles.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read and follow all safety messages in instructions.
- Do not expose gasoline or other combustible fluids to flames.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Procedures on page W1-W5.



ENGINE SERVICE TOOLS



SBT60



SBIT1



SBIT2



SBT2KT



SBTL33



S9842A



S6158

Belt Tensioning Tools

SBT60¹ Serpentine Belt Tensioner Wrench

- Saves time by reducing the number of parts removed to change belts
- Double ended to fit more models
- Extra-long for more leverage

SBIT1² Stretch Belt Tool (Blue-Point[®])

- Allows belt to be rotated onto pulley without twisting the belt, which can cause damage to the belt
- Ford[®] has been using stretch belts to turn the power steering pump on the 3.5 L V6 since 2007 and also uses stretch belts to turn the camshaft-driven water pump on the 3.0 L V6 among other applications
- Low profile to allow for tight access applications
- Groove on underside of tab fits on outer lip of pulley to prevent tool from slipping off the pulley

SBIT2² Stretch Belt Tool (Blue-Point[®])

- Easily install stretch belts on late model European vehicles
- Allows belt to be rotated onto pulley without twisting the belt and causing damage
- Low profile to allow for tight access applications
- Groove on underside of tab fits on outer lip of pulley to prevent tool from slipping off the pulley

Applications:

- BMW[®]: models 118, 120, 318, 320, 325, 330[®], 335[®], 520, 525[™], 530[®], 535, 635, 730, X3[®] and X5[®]; Volvo[®] vehicles: models C30[®], S40[®] and V50[®]; and Mercedes-Benz[®] 3.0 L diesel engines

SBT2KT Stretch Fit Belt Kit (Blue-Point[®])

- Universal installation and removal of all stretch belts
- Easy to use process for both removal and installation
- Allows removal and reuse of stretch fit belts
- Includes SBTI Install Tool, SBTR Removal Tool and informative instructional DVD

SBTI Stretch Fit Belt Install Tool (Blue-Point[®])

- Universal installation of all stretch belts
- Easy-to-use process
- Allows removal and reuse of stretch fit belts

SBTL33 Serpentine Belt Tool (Blue-Point[®])

- Flexibility allows for easy adjustment of belt around various pulley positions
- LED lighted portion of tool ensures easy visibility in dark engine compartments
- Extra long 33" length allows for deeper reach around crank shaft pulley
- Reverse gripping feature allows for two-handed positioning of tool

SBTR Stretch Fit Belt Removal Tool (Blue-Point[®])

- Universal removal of all stretch belts
- Easy to use process
- Allows removal and reuse of stretch fit belts

Thermal Vacuum Switch

S9842A Thermal Vacuum Switch Socket

- For US vehicles through 1988
- 1/2" drive, 6-point wrench opening, 7/8"
- 3-1/8" long

Turning/Moving

S6158 Engine Barring Socket

- Use 4 L 6.6 L small block V8s in Chevrolet[®] vehicles
- Designed to turn the engine over when it is on engine stand
- 1/2" drive

Harmonic Balancer

YA188I Harmonic Balancer Installer (Blue-Point®)

- Includes (7) adaptors for use on a wide range of engines
- Adaptor sizes: 7/16"-20, 1/2"-20, 9/16"-18, 3/4"-16, M12 x 1.5, M14 x 1.5 and M16 x 2.0

YA188LR² Long-Reach Harmonic Balancer Installer (Blue-Point®)

- Can be used on V8s and V6s for late model GM®, Ford®, Chrysler® and Dodge® vehicles where traditional harmonic balancer installers cannot
- Reduce the risk of stripping threads inside the crank
- Reduce the risk of breaking crank bolts
- Kit includes YA188LR-1-YA188LR-5

YA188MKTB Master Harmonic Balancer Installer Kit (Blue-Point®)

- Includes traditional installer adaptors as well as long reach adaptors for late model applications
- Services harmonic balancers as well as underdrive pulleys and recessed crank threads on Dodge® Hemi®, GM® Gen III/IV and Ford® 4.6 L and 5.4 L modular engines
- Works on most European vehicles including BMW® and VW® as well as Toyota®, Honda®, Kia® and Hyundai® vehicles

CJ146 Crankshaft Harmonic Balancer Kit

- Remove the crankshaft harmonic balancer on 1990 and later 3.3 L and 3.8 L GM® engines
- Shoulder bolt adaptors provide the correct installation depth, preventing damage to the crank sensor and interrupter rings
- Includes (3) CJ146-1 adaptors, (1) CJ146-2 extension and vinyl storage pouch
- Requires Snap-on® CJ98-1 yoke and CJ83-3 pressure screw for use (not included)

HIW3A Hand Impact Wrench (Blue-Point®)

- Remove/replace harmonic balancer pulleys without removing the radiator
- Accesses restricted areas where an air impact wrench will not fit or when air supply is unavailable
- Molded rubber hand guard
- Max torque: 600 ft-lb
- Overall length: 22-1/16"

HIW4A Hand Impact Wrench (Blue-Point®)

- Provides high-impact force for breaking loose fasteners used in both automotive and industrial applications such as working on Duramax® crankshaft bolts or on-site heavy equipment service and repair
- No compressed air required
- Bidirectional for loosening or tensioning fasteners
- 3/4" drive
- Tool is 23" in length (590 mm)



YA188I



YA188MKTB



CJ146



HIW3A



HIW4A

- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
 - Do not use "cheater bars" on handles.
 - Read and follow safety messages in the instructions.
 - Screen the puller application.
 - Inspect the puller; do not use damaged parts.
 - Use the proper type and size of puller for the job.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



ENGINE SERVICE TOOLS



HDP1345



HDP6490



YA6010A



YA6491A

Harmonic Damper Pulley Pullers

HDP1345[†] Harmonic Damper Pulley Puller

- Specially designed to pull at three points on the ledges of the pulley with less chance of damage and applies equal force when pulled; can save up to 30 minutes per job
- Spring-loaded legs retain position and have correct geometry for Dodge[®] pulleys
- Gives greater ease and control when installing the puller in confined areas
- Eliminates the time consuming process of removing the radiator and other components
- Includes (6) push rods in multiple lengths and special patent pending tip

HDP6490[†] Harmonic Damper Pulley Puller

- Includes (6) different length push rods and special patent pending tip
- New spring-loaded legs allow for leg position retention
- Provides greater ease and control when installing the puller in confined areas
- Removes 3- and 6-spoke harmonic damper pulleys found on many Chrysler[®] and GM[®] engines
- Eliminates the need to remove the radiator or other components

YA6010A[†] Harmonic Damper Pulley Holding Tool (Blue-Point[®])

- Saves time during removal and installation of the crank bolt on most engines in Honda[®] and Acura[®] vehicles
- Verify exact model year/engine size coverage with tool instructions
- When used with a 1/2" drive breaker bar or ratchet, prevents the pulley from rotating when removing/installing the pulley bolt

YA6491A[†] Harmonic Damper Pulley Puller Update Kit (Blue-Point[®])

- Updates earlier YA9740 pullers to the same applications as the new YA6490A
- Kit updates other pulley pullers that are similar to the YA9740 series of pullers
- Add YA6491 Update Kit to the existing YA9740 series pullers to add these new applications: GM[®] 4.2 L Straight 6-cylinder; Chevrolet[®] Trailblazer[®], Colorado[®]; GMC[®] Envoy, Canyon[®] (2004-later); Oldsmobile Bravada (2003-later); Buick[®] Rainier[®] (2004-later) 3.5 L Straight 5-cylinder; Hummer[®] H3 (2006-later) 2.8 L Straight 4-cylinder

Seal Pullers

SP52¹ Universal Seal Puller Set

- Small seal puller used for common seal sizes and large seal puller used for larger seal sizes
- 2" and 4" pins for various seal diameter sizes with clearance requirements
- Surface area on hook helps prevent seal puller from piercing through the seal (0.25" where competitive units are smaller at 0.12")
- Pin creates a pivot point on the surface of the seal, thus distributing the force evenly over a larger surface area when compared to a traditional seal puller design



PCV/EVAP Tools

LDTBH5¹ 5 pc PCV/EVAP Hose Release Tool Set

- Unique tools allow technicians to release breather hose connectors on the vehicle with very little effort
- Compact size allows increased access for easy installation and removal, saving the technician time
- Made of lightweight yet durable aluminum design
- Set includes (5) sizes, each in a different color for easier identification



LDTBH5-1¹ 1-1/4" PCV/EVAP Release Tool

LDTBH5-2¹ 1-1/8" PCV/EVAP Release Tool

LDTBH5-3¹ 15/16" PCV/EVAP Release Tool

LDTBH5-4¹ 5/8" PCV/EVAP Release Tool

LDTBH5-5¹ 1-1/2" PCV/EVAP Release Tool

Throttle Depressors/Brake Resetting Gauges

B370¹ Throttle Depressor

- Attach to steering wheel to depress gas pedal
- Innovative design allows for easier fine tuning of the RPMs for cylinder balancing, tune-ups and more
- Fine tuning is done with slide knob to reduce the walking of the rod
- Made in the USA



Specialty Tools

YA7200¹ 7/32" 6-Point T20 TORX® Bit 25° Offset Ford® Ignition Module Wrench (Blue-Point®)

- For 1982 and later Ford® ignition modules
- Ratcheting ends are offset 25°
- One end has 7/32", 6-point; other end a T20 TORX® bit

YA8640¹ Cam Belt Wrench for VW®/Audi® Vehicles (Blue-Point®)

- For adjusting camshaft spur belts that have idler pulleys with pin holes
- Vinyl handle grip

YA6760¹ Timing Belt Pulley Holder for VW®/Audi® (Blue-Point®)

- Holds crank pulley stationary for crank bolt removal and installation to the factory torque requirement
- Three-bolt design for secure holding
- 1/2" drive for use with a breaker bar
- Heat treated for strength with high-quality black finish
- Applications: 1.8 L 4 cylinder turbo: VW® and Audi® vehicles 1998-2006; 2.0 L 4 cylinder: VW® vehicles 1993-2005; 2.0 L 4 cylinder turbo: VW® and Audi® vehicles 2006 and later

YA4590A Hood Prop (Blue-Point®)

- 3 pc telescoping shaft locks in any position
- Range is 20"-48-1/2"
- Will work on front or sides of any car or truck
- Made of steel tubing and features locking levers on each section
- Includes holding support to prevent slippage

YA4590A Hood Prop Adaptor (Blue-Point®)



YA7200



YA8640



YA6760



YA4590A

- Screen the pulley application.
- Inspect the pulley; do not use damaged parts.
- Use the proper type and size of pulley for the job.
- Do not use stripped, mushroomed or cracked hammers.
- Strike squarely, avoid glancing blows.
- Read and follow safety messages in the instructions.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



VALVE GUIDE SERVICE TOOLS



AC10B

Valve Guide Brushes

AC10B Valve Guide Brush (Blue-Point®)

- Brush wire is woven into twisted wire strands
- Each features a fluted, wooden handle
- 5/16" dia.



AC11B

AC11B Valve Guide Brush (Blue-Point®)

- Brush wire is woven into twisted wire strands
- Each features a fluted, wooden handle
- 11/32" dia.



AC12B

AC12B Valve Guide Brush (Blue-Point®)

- Brush wire is woven into twisted wire strands
- Each features a fluted, wooden handle
- 3/8" dia.



PHG83B



PHG86B



PHG96B



PHG97B

Metric Valve Guide Removers

- Designed for use with Snap-on® air hammers
- Can also be used as drift punches
- Zinc Chromate finish provides bright plating for greater visibility and corrosion resistance

PHG83B Valve Guide Remover

- 7.7 mm pilot
- 190 mm long

PHG86B Valve Guide Remover

- 9.3 mm pilot
- 190 mm long

PHG96B Valve Guide Remover

- 6.9 mm pilot
- 189 mm long

PHG97B Valve Guide Remover

- 5.5 mm pilot
- 189 mm long



YA8880



YA8895

Metric Jam Nut Type Adjustment Tools

Include an Idle adjustment screwdriver within a socket and handle for holding adjustment screw in place while the jam nut is tightened. Handle pivots from one side to the other so the socket "window" is always visible.

YA8880[®] Valve Adjustment Tool (Blue-Point®)

- For all cars with 12 mm jam nut valve screws

YA8895[®] Valve Adjustment Tool (Blue-Point®)

- For all cars with 10 mm jam nut valve screws



GA285

Camshaft/Crankshaft Tools

GA285 Camshaft Bearing Remover and Inserter Set (Blue-Point®)

- Removes and inserts bearings in all engines
- Five driving plugs handle a range of 1.475–2.690"
- Fits slightly undersized or oversized bearings
- Packed in a sturdy storage case

Valve Keeper Tools

GA317 Metric Valve Keeper Remover/Installer (Blue-Point®)

- Quickly removes and installs valve keepers on most overhead cam engines with valve stems from 4.5–7.5 mm
- Push or tap the tool with a hammer to remove valve keepers
- Magnet in tool body captures keepers for quick removal and valve disassembly
- To install keepers, load keepers then push or tap to install
- Used on vehicle or on workbench

GA318A Overhead Valve Tool (Blue-Point®)

- Removes and replaces valve keepers on all gas and diesel overhead valve engines, even VW® Rabbit®, motorcycle, marine and aircraft engines
- Magnetically retains keepers and will not bend valve stems
- Use in place of c-clamp or other type of compressor
- Use only with a soft-faced hammer



General Service (Valve)

YA8230¹ Valve Stem Seal Pliers (Blue-Point®)

- Removes valve stem seals from overhead camshaft engines, including four valve-per-cylinder engines that have restricted access to the valve stem seal
- Gripping serrations in the pliers tip easily grab both OEM and aftermarket seals with ease
- Easy-grip handles

VL2 Valve Holder (Blue-Point®)

- 5/8" and 13/16" dia. suction cups

VL3 Valve Holder (Blue-Point®)

- 1-1/8" and 1-3/8" dia. suction cups



Valve Lifters

CF811B² Compressor, C-Clamp (1–2" capacity) (Blue-Point®)

- 1–2" capacity
- For L-head, valve in head, high compression engines and vehicles with overhead valves
- Activating mechanism prevents cocking of valve spring as it is compressed

CF19B² Compact C-Clamp Compressor (Blue-Point®)

- Compact model includes CF19-3A jaws for 1/4–1-1/16" dia. springs on small, air-cooled engines and CF19A5 jaws for both 17 and 20.8 mm diameter springs on Honda® engines

CF700C² Air-Operated C-Clamp Compressor (7/8–2-1/2" capacity) (Blue-Point®)

- 7/8–2-1/2" capacity
- Operates on 90–150 PSI, but develops up to 3x output pressure
- Tool measures 1 x 8"

CF700C-1² Jaws Set (Blue-Point®)

- For CF811B and CF700C
- Large, straight jaws with 1-1/2–2-1/2" capacity

CF700C-2² Replacement jaw Set (Blue-Point®)

- Medium, offset jaws with 1–2" capacity
- For CF811 and CF700



- Use air hammer accessories only for their intended purpose.
- Do not use shipped or damaged accessories.
- Read and follow safety messages in the instructions.
- Strike only with soft face hammer.

¹These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages 90–92 for details.
²Read Safety Precautions on pages W1–W4



VALVE SERVICE TOOLS



YA9140B



VST100



YA9140B-LDT

Valve Spring Compressors

YA9140B[®] Universal Valve Spring Compressor (Blue-Point[®])

- Removes/installs the valve spring without removal of the cylinder head from the engine
- US and import servicing of single and double overhead cam engines, including Audi[®], Chrysler[®], Infiniti[®], Honda[®], Hyundai[®], Lexus[®], Mazda[®], Mitsubishi[®], Nissan[®], Porsche[®], Saturn, Toyota[®], Volvo[®] and VW[®] vehicles

VST100[®] Cam Operated Valve Spring Compressor (Blue-Point[®])

- Eliminates the need for cylinder removal and the need to readjust tool to each spring
- Works on most overhead valve engines

YA9140B-LDT[®] Lock Down Tool for YA9140B (Blue-Point[®])

- Allows technician ability to actuate compression tube even in tight, confined locations
- Allows compression of springs that are confined by brake boosters, AC housings and other factors



M2112PK



M2113

Valve Spring Replacement Tools (Lexus[®])

M2112PK Timing Chain Holder For Lexus[®] Vehicles (2 pk)

- Lexus[®] V6 Valve Spring Replacement Tool
- For Lexus[®] safety recall ALE
- M2112PK includes (2) M2112s (as two are required to hold timing chain)

Application:

- M2112PK holds timing chain during valve spring replacement or any other service requiring camshaft removal
- Saves technician time as the engine can be turned over with the cam shaft out and with the timing chain installed

M2113 For VVT Gear Holder Lexus[®] Vehicles

- Lexus[®] V8 Valve Spring Replacement Tool
- For Lexus[®] engine designation 1UR-FSE 4.6 L V8
- For Lexus[®] safety recall ALE

Application:

- M2113 holds the intake VVT gear during valve spring replacement
- Saves technician time as the engine can be turned over with the cam shaft out and with the VVT gear in and timing chain installed
- M2113 can be used instead of using wire ties

CYLINDER SERVICE TOOLS



WR30A

Ridge Reamer

WR30A[®] 3-5" Ridge Reamer (Blue-Point[®])

- Lathe type reamer is for 3-5" diameter cylinders
- Centers itself in cylinder

WR30A10 Replacement Cutter Bit (Blue-Point[®])

- For WR30A ridge reamer

Ring Expanders

PRS8 Piston Ring Expander (Blue-Point®)

- Installs piston rings from 3/64–1/4" thick
- Eliminates breakage or distortion of rings
- 7" overall length

PRS10 Piston Ring Expander (Blue-Point®)

- 2-3/4"–4-1/4" ring capacity
- Remove or install both step cut and diagonal cut rings
- Spring tension eliminates the need for adjustment

PRS12 Piston Ring Expander (Blue-Point®)

- Similar to PRS10 but with 4-1/2–7" ring capacity
- Excellent for heavy-duty diesel applications



Ring Groove Cleaners

RC510A Piston Ring Groove Cleaner (Blue-Point®)

- For pistons with grooves of 5/64, 3/32, 1/8, 5/32 and 3/16" with diameters from 1–5"

RC510-1 Replacement Cutter Wheel (Blue-Point®)

RC510-6 Replacement Knurled Nut (Blue-Point®)



Ring Compressors

RC150A Ring Compressor (Blue-Point®)

- Four band
- 3-1/2–7" capacity, 7" deep

RC50C Ring Compressor (Blue-Point®)

- Two band
- 3-1/2–7" capacity, 3-1/2" deep

RC40C Ring Compressor (Blue-Point®)

- Two band
- 2-1/8–5" capacity, 3-1/2" deep

RCL30 Ring Compressor (Blue-Point®)

- One band
- 2-1/2–5" capacity
- May be disassembled and removed from around connecting rod when used on small aircraft, motorcycle or other engines that require the cylinder to be pushed over the piston during assembly

RCW60 Ring Compressor (Blue-Point®)

- One band
- 3–5" capacity, 1-1/2" deep
- Low-friction wrinkle band construction with thumbscrew for precise adjustment
- Used on small aircraft and motorcycle engines where cylinders are pushed over piston during assembly

RC980 Ring Compressor Set (Blue-Point®)

- Works both horizontally and vertically with pliers grip handle
- Fine tooth ratcheting mechanism
- Includes six hardened steel bands: 2-7/8–3-1/8", 3-1/8–3-3/8", 3-3/8–3-5/8", 3-5/8–3-7/8", 3-7/8–4-1/8" and 4-1/8–4-3/8"

RC980-7 Optional Band (Blue-Point®)

- 4-1/2–4-3/4" capacity

RC980-8 Optional Band (Blue-Point®)

- 4-3/4–5" capacity

RC980-9 Optional Band (Blue-Point®)

- 5–5-1/4" capacity

RC980-9.5 Optional Band (Blue-Point®)

- 5-1/4–5-1/2" capacity

RC980-10 Optional Band (Blue-Point®)

- 5-1/2–5-3/4" capacity

RC980-11 Replacement Pliers (Blue-Point®)



- Operate hose or pump only while it is within cylinder.
- Read and follow safety messages on the Instructions.
- ! These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

BUSHING/SEAL INSERTER/REMOVER



Inserters/Remover Sets

- For standard and specialized bronze, steel, rubber or Enlox bushings
- Range of adaptor sizes covers nearly all shackle and steering bushings

| Stock No. | Description |
|-----------|-------------|
| A57CA | Screw |
| A57-3 | Washer |
| A57-27 | Pulley |
| A57-35 | Screw |
| A57-36 | Sleeve |

| Stock No. | Description |
|-----------|----------------|
| A57-37 | Sleeve Adaptor |
| A57-38 | Sleeve Adaptor |
| A57-39 | Sleeve Adaptor |
| A57-41 | Sleeve Adaptor |

| Stock No. | Dimension, inches O.D. | Dimension, inches small O.D. | Dimension, inches large O.D. | Dimension, inches large I.D. |
|-----------|------------------------------|------------------------------|------------------------------|------------------------------|
| A57-5 | 0.854 | 0.726 | 0.954 | 0.636 |
| A57-6 | 0.807 | 0.678 | 0.807 | 0.636 |
| A57-7 | 0.745 | 0.616 | 0.745 | 0.636 |
| A57-8 | 0.62 | 0.533 | 0.62 | 0.536 |
| A57-10 | 0.916 | 0.787 | 0.916 | 0.636 |
| A57-11 | 0.978 | 0.849 | 0.978 | 0.636 |
| A57-12A | 1.025 | 0.917 | 1.025 | 0.636 |
| A57-14A | Bushing Driver | | | |
| A57-15 | Bushing Driver | | | |
| A57-16 | 0.432 | 0.397 | 0.432 | 0.318 |
| A57-17 | 0.486 | 0.428 | 0.486 | 0.318 |
| A57-18 | 0.557 | 0.491 | 0.567 | 0.318 |
| A57-19 | 0.666 | 0.599 | 0.666 | 0.636 |
| A57-20 | 1.162 | 1.033 | 1.162 | 0.636 |
| A57-22 | 1.044 | 0.905 | 1.044 | 0.636 |
| A57-23A | 1.226 | 1.069 | 1.286 | 0.636 |
| A57-24 | 0.985 | 0.74 | 0.985 | 0.636 |
| A57-25 | 0.6382 | 0.552 | 0.682 | 0.318 |
| A57-26 | 0.62 | 0.49 | 0.62 | 0.318 |
| A57-29 | 1.37 | 1.22 | 1.37 | 0.636 |
| A57-40 | 1.625 | 1.364 | 1.625 | 0.64 |
| A57-42 | 1.406 | — | 1.406 | 1.163 |
| A57-43 | 2 | — | 2 | 1.625 |
| A57-44 | 1.81 | — | 1.81 | 1.375 |
| A57-45 | 1.25 | — | 1.25 | 1.125 |
| A57-46 | 1.133 | — | 1.133 | 0.936 |
| A57-47 | 1.99 | — | 1.99 | 1.66 |
| A57-48 | 1.5 | 1.203 | 1.5 | 0.64 |
| A57-50 | — | — | 1/316 opening | — |
| A57-51 | — | — | 1/732 opening | — |
| A57A13 | 1.12 | 0.991 | 1.12 | 0.636 |
| ESD1428 | Bearing (1/2" I.D., 1" O.D.) | | | |
| ME4A2 | Nut (1/2"-20) | | | |
| ME4A4 | Nut (3/8"-16) | | | |

BUSHING/SEAL DRIVER SETS

SHOP EQUIPMENT

Heavy-Duty Metric Bushing Driver Set

A261M Metric Bushing Driver Set

- Includes an extra large driver handle and adaptors in 40–80 mm sizes
- Packaged in PB117 storage box
- Set accepts threaded and A1310B series ball detent drivers



A261M

| Stock No. | Description (Chart) |
|-----------|---------------------------|
| A257-1 | Extra Large Driver Handle |
| A261M1 | Adaptor (40–44 mm) |
| A261M2 | Adaptor (42–45 mm) |
| A261M3 | Adaptor (45–48 mm) |
| A261M4 | Adaptor (48–52 mm) |
| A261M5 | Adaptor (50–53 mm) |
| A261M6 | Adaptor (55–60 mm) |
| A261M7 | Adaptor (60–65 mm) |
| A261M8 | Adaptor (65–70 mm) |
| A261M9 | Adaptor (70–75 mm) |
| A261M10 | Adaptor (75–80 mm) |

Heavy-Duty Bushing Driver Sets

A257 Complete Heavy-Duty Bushing Driver Set

- Complements the A157C set by adding 27 larger adaptors for transmission work, as well as many other automotive and industrial applications
- Industrial finish
- Set accepts threaded and A1310B series ball detent drivers
- Packaged in a PB27 storage box



A257

| Stock No. | Adaptor I.D., inches | Adaptor O.D., inches |
|-----------|----------------------|----------------------|
| A257-1 | — | 1-1/8 |
| A157-5 | Driver Nut, 1/2"-20 | — |
| A257-23 | 1-5/16 | 1-7/16 |
| A257-24 | 1-3/8 | 1-1/2 |
| A257-25 | 1-7/16 | 1-5/16 |
| A257-26 | 1-1/2 | 1-5/8 |
| A257-27 | 1-9/16 | 1-11/16 |
| A257-28 | 1-5/8 | 1-3/4 |
| A257-29 | 1-11/16 | 1-13/16 |
| A257-30 | 1-3/4 | 1-7/8 |
| A257-31 | 1-13/16 | 1-15/16 |
| A257-32 | 1-7/8 | 2 |
| A257-33 | 1-15/16 | 2-1/16 |
| A257-34 | 2 | 2-1/8 |
| A257-35 | 2-1/16 | 2-3/16 |
| A257-36 | 2-1/8 | 2-1/4 |
| A257-37 | 2-3/16 | 2-5/16 |
| A257-38 | 2-1/4 | 2-3/8 |
| A257-39 | 2-5/16 | 2-7/16 |
| A257-40 | 2-3/8 | 2-1/2 |
| A257-41 | 2-7/16 | 2-9/16 |
| A257-42 | 2-1/2 | 2-5/8 |
| A257-43 | 2-9/16 | 2-11/16 |
| A257-44 | 2-5/8 | 2-3/4 |
| A257-45 | 2-11/16 | 2-13/16 |
| A257-46 | 2-3/4 | 2-7/8 |
| A257-47 | 2-13/16 | 2-15/16 |
| A257-48 | 2-7/8 | 3 |
| A257-49 | 2-15/16 | 3-1/16 |



- Read and follow safety messages in the Instructions.
- Do not strike end if it is whipped or mishandled.
- Strike squarely, avoid glancing blows.
- Read Safety Precautions on pages W1-W4.

Standard Bushing Driver Set

A157C Standard Bushing Driver Set

- Adaptors held on drivers with knurled nut
- Small and medium drivers (A157-3 and A157-2) fit all smaller bushings (A157-6–A157-12); large driver (A157-1) fits remaining bushings (A157-13–A157-22)
- Set accepts threaded and A1310B series ball detent drivers
- Industrial finish
- Packaged in PB20 storage box



A157C

| Stock No. | Adaptor I.D., inches | Adaptor O.D., inches |
|-----------|----------------------|----------------------|
| A157-1 | Large Driver Handle | 13/16 |
| A157-2 | Medium Driver Handle | 9/32 |
| A157-3 | Small Driver Handle | 7/16 |
| A157-4 | Driver Nut, 3/16"-24 | — |
| A157-5 | Driver Nut, 1/2"-20 | — |
| A157-6 | 3/8 | 7/16 |
| A157-7 | 7/16 | 1/2 |
| A157-8 | 1/2 | 5/8 |
| A157-9 | 9/16 | 11/16 |
| A157-10 | 5/8 | 11/16 |
| A157-11 | 5/8 | 3/4 |
| A157-12 | 11/16 | 13/16 |
| A157-13 | 3/4 | 7/8 |
| A157-14 | 13/16 | 15/16 |
| A157-15 | 7/8 | 1 |
| A157-16 | 15/16 | 1-1/16 |
| A157-17 | 1 | 1-1/8 |
| A157-18 | 1-1/16 | 1-3/16 |
| A157-19 | 1-1/8 | 1-1/4 |
| A157-20 | 1-3/16 | 1-5/16 |
| A157-21 | 1-1/4 | 1-3/8 |
| A157-22 | 15/32 | 13/32 |

Heavy-Duty Bushing Driver Sets

A158B Heavy-Duty Bushing Driver Set

- Includes (8) basic adaptors for servicing bushings on trucks, tractors and buses
- Adaptors are secured to threaded driver shaft by knurled nut
- Industrial finish
- Set accepts threaded and A1310B series ball detent drivers



A158B

| Stock No. | Adaptor I.D., inches | Adaptor O.D., inches |
|-----------|----------------------|----------------------|
| A257-1 | — | 1-1/8 |
| A157-5 | Driver Nut, 1/2"-20 | — |
| A257-23 | 1-5/16 | 1-7/16 |
| A257-24 | 1-3/8 | 1-1/2 |
| A257-25 | 1-7/16 | 1-5/16 |
| A257-26 | 1-1/2 | 1-5/8 |
| A257-27 | 1-9/16 | 1-11/16 |
| A257-28 | 1-5/8 | 1-3/4 |
| A257-29 | 1-11/16 | 1-13/16 |
| A257-30 | 1-3/4 | 1-7/8 |

BUSHING/SEAL DRIVER SETS



A160M

Standard Metric Bushing Driver Set

A160M Metric Bushing Driver Set

- Includes (3) driver handles and adaptors
- Sizes: 10–42 mm
- Packaged in PB118 storage box
- Set accepts threaded and A1310B series ball detent drivers

| Stock No. | Description (Chart) |
|-----------|----------------------|
| A157-1 | Large Driver Handle |
| A157-2 | Medium Driver Handle |
| A157-3 | Small Driver Handle |
| A157-4 | Driver Nut, 5/16"-24 |
| A157-5 | Driver Nut, 1/2"-20 |
| A160M1 | Adaptor (10–12 mm) |
| A160M2 | Adaptor (12–14 mm) |
| A160M3 | Adaptor (14–16 mm) |
| A160M4 | Adaptor (15–17 mm) |
| A160M5 | Adaptor (16–18 mm) |
| A160M6 | Adaptor (18–20 mm) |
| A160M7 | Adaptor (20–22 mm) |
| A160M8 | Adaptor (22–24 mm) |
| A160M9 | Adaptor (25–27 mm) |
| A160M10 | Adaptor (28–30 mm) |
| A160M11 | Adaptor (30–34 mm) |
| A160M12 | Adaptor (32–36 mm) |
| A160M13 | Adaptor (35–40 mm) |
| A160M14 | Adaptor (38–42 mm) |



A1310LHB

Bearing Race and Seal Drivers

A1310LHB 7 pc Aluminum Large Bearing and Seal Driver Set

- Includes popular sizes of 3-43/64, 4-13/16, 4-7/8, 5-1/2, 5-25/32 and 6", plus a heavy-duty striking handle in a convenient storage case with internal size markings
- Exclusive Snap-on® detent attachment system that eliminates the hassle of threaded fasteners
- Logo, part number and safety information roll-stamped into the edge of each disk
- Each disk has a dual face—tapered side for bearings and flat side for seals
- Aluminum disks are ideal for use with aluminum and other softer metal components and parts
- Disks can be used with arbor presses



A1310B-1

Seal Driver Set

A1310B-1 Crown Style Driver Handle

- For use with all A1310B and A1310SB series bearing and seal driver sets
- Ball-detent attachment design—eliminates the hassle of screws to attach disks
- Handle 9-1/2" with 3" neck—provides better access and keeps hands farther from component contact

A1306-1-1 Bolt and Washer

- Adaptor mounting



HLE24

Dead Blow Piston Hammer

HLE24 24 oz Dead Blow Piston Hammer

- Made of material that will not damage the piston
- Shot-filled head reduces rebound
- Head length is 7-3/4"
- Diameter is 1-1/4–1-1/2" with a reach of 5-1/2" to the handle shoulder
- Overall length is 12-3/4"



A1310LHSB

A1310LHSB 7 pc Steel Large Bearing and Seal Driver Set

- Includes popular sizes 3-43/64, 4-13/16, 4-7/8, 5-1/2, 5-25/32 and 6", plus a heavy-duty striking handle in a convenient storage case with internal size markings
- Exclusive Snap-on® detent attachment system eliminates the hassle of threaded fasteners
- Logo, part number and safety information roll-stamped into the edge of each disk
- Durable steel disks designed for use on large trucks
- Double-faced disks have a tapered side for bearings and flat side for seals
- Manufactured from tough alloy steel with a black oxide coating to resist corrosion
- Disks can be used with arbor presses

BUSHING/SEAL DRIVER SETS

Bearing Race and Seal Drivers

- Two different disk materials (aluminum or steel) allows optimization to component type
- Sets fit most standard wheel bearing sizes including late model 4X4 vehicles
- Snap-on® "crown" striking handle for comfort and protection from off-center blows
- Handle features a ball-detent for easy disk attachment and removal; no screws to lose



| Description | Stock No. | Size/ Diameter | Set Contains: | | | | | | |
|--------------------------|-----------------------|-------------------|------------------|---------|----------|----------|-----------|---|---|
| | | | A1310B | A1310SB | A1310LHB | A1310PHB | A1310PHSB | | |
| Driver Handle | A1310B-1 | 9-3/4" Length | * | * | * | * | * | * | |
| Driver Disk, Aluminum | A1310B-2 | 1.565" Dia | * | | | | | * | |
| | A1310B-3 | 1.75" Dia | * | | | | | | |
| | A1310B-4 | 1.965" Dia | * | | | | | | |
| | A1310B-5 | 2.325" Dia | * | | | | | | |
| | A1310B-6 | 2.47" Dia | * | | | | | | |
| | A1310B-7 | 2.555" Dia | * | | | | | | |
| | A1310B-8 | 2.83" Dia | * | | | | | | |
| | A1310B-9 | 2.995" Dia | * | | | | | | |
| | A1310B-10 | 3.18" Dia | * | | | | | | |
| | A1310B-20 | 2.645" Dia | | | | | | * | |
| | A1310B-21 | 2.815" Dia | | | | | | * | |
| | A1310B-22 | 2.845" Dia | | | | | | * | |
| | A1310B-23 | 2.965" Dia | | | | | | * | |
| | A1310B-24 | 3.205" Dia | | | | | | * | |
| | A1310B-25 | 3.465" Dia | | | | | | * | |
| | A1310B-26 | 3.720" Dia | | | | | | * | |
| | A1310B-28 | 4.100" Dia | | | | | | * | |
| | A1310B-30 | 3.649" Dia | | | * | | | | |
| | A1310B-31 | 4.790" Dia | | | * | | | | |
| | A1310B-32 | 4.853" Dia | | | * | | | | |
| | A1310B-33 | 5.480" Dia | | | * | | | | |
| | A1310B-34 | 5.740" Dia | | | * | | | | |
| | A1310B-35 | 5.978" Dia | | | * | | | | |
| | Driver Disk, Steel | A1310SB-2 | 1.565" Dia | | * | | | | |
| | | A1310SB-3 | 1.75" Dia | | * | | | | |
| | | A1310SB-4 | 1.965" Dia | | * | | | | |
| | | A1310SB-5 | 2.325" Dia | | * | | | | |
| | | A1310SB-6 | 2.47" Dia | | * | | | | |
| | | A1310SB-7 | 2.555" Dia | | * | | | | |
| | | A1310SB-8 | 2.83" Dia | | * | | | | |
| | | A1310SB-9 | 2.995" Dia | | * | | | | |
| | | A1310SB-10 | 3.18" Dia | | * | | | | |
| | | A1310SB-20 | 2.645" Dia | | | | | | * |
| | | A1310SB-21 | 2.815" Dia | | | | | | * |
| | | A1310SB-22 | 2.845" Dia | | | | | | * |
| A1310SB-23 | | 2.965" Dia | | | | | | * | |
| A1310SB-24 | | 3.205" Dia | | | | | | * | |
| A1310SB-25 | | 3.465" Dia | | | | | | * | |
| A1310SB-26 | | 3.720" Dia | | | | | | * | |
| A1310SB-28 | | 4.100" Dia | | | | | | * | |
| A1310SB-30 | | 3.649" Dia | | | * | | | | |
| A1310SB-31 | | 4.790" Dia | | | * | | | | |
| A1310SB-32 | | 4.853" Dia | | | * | | | | |
| A1310SB-33 | | 5.480" Dia | | | * | | | | |
| A1310SB-34 | | 5.740" Dia | | | * | | | | |
| A1310SB-35 | | 5.978" Dia | | | * | | | | |

| Description | Stock No. | Size/Diameter |
|----------------|------------|---------------|
| Chrysler® Seal | A1310SB-60 | 2.175" Dia |
| GM® Seal | A1310SB-61 | 2.200" Dia |
| Cadillac® Seal | A1310SB-62 | 3.460" Dia |
| Subaru® CV | A1310SB-63 | 2.120" Dia |
| Honda® CV | A1310SB-66 | 2.287" Dia |
| Honda® CV | A1310SB-67 | 2.970" Dia |
| Honda® CV | A1310SB-68 | 2.917" Dia |

A1310B 10 pc Aluminum Bearing and Seal Driver Set

- Ball-detent attachment design—eliminates the hassle of screws to attach disks (faster, avoids lost screws)
- Handle 9-3/4" with 3" neck—provides better access and keeps hands farther from component contact
- Unique driver design—comfortable Snap-on® "crown" handle with striker cap
- Includes storage case

A1310SB 10 pc Steel Bearing and Seal Driver Set

A1310LHB 7 pc Aluminum Large Bearing and Seal Driver Set

- Includes popular sizes of 3-43/64, 4-13/16, 4-7/8, 5-1/2, 5-25/32 and 6", plus a heavy-duty striking handle in a convenient storage case with internal size markings
- Exclusive Snap-on® detent attachment system that eliminates the hassle of threaded fasteners
- Logo, part number and safety information roll-stamped into the edge of each disk
- Each disk has a dual face—tapered side for bearings and flat side for seals

- Aluminum disks are ideal for use with aluminum and other softer metal components and parts
- Disks can be used with arbor presses
- Includes storage case

A1310LH5B 7 pc Steel Large Bearing and Seal Driver Set

- Durable steel disks designed for use on large trucks
- Includes storage case

A1310PHB 9 pc Aluminum Pinion Driver Set

- Offers precise control when working on pinion seals and bearings
- Includes heavy-duty striking handle and (8) individually sized aluminum pinion discs
- Ball detent groove assists in securing bearing race drivers without separate hardware
- Covers most popular 1/2- and 3/4-ton Ford®, GM® and Dodge® pickups
- Can be utilized using A1310B-1, A1310B17 and A1310B27 handles
- Includes storage case

A1310PHSB 9 pc Steel Pinion Driver Set

- Includes heavy-duty striking handle and (8) individually sized steel pinion discs
- Includes storage case

- Do not use arthone hammers near liquid oxygen.
- Wear safety goggles user and bystanders.
- Do not strike objects harder than punch/die (e.g. bearings).
- Do not strike end if it is chipped or marred.
- Strike squarely, avoid glancing blows.
- Read Safety Precautions on pages W1-W4.



BUSHING/SEAL DRIVER SETS



Bearing Race and Seal Drivers

A1310B-1 Crown Style Driver Handle

- For use with all A1310B and A1310SB series bearing and seal driver sets
- Ball-detent attachment design—eliminates the hassle of screws to attach disks
- Handle 9-1/2" with 3" neck—provides better access and keeps hands farther from component contact

A1310B17 Long Handle Driver

- Driver works in tandem with Snap-on® A1310B and A1310SB bearing and seal drivers. Also compatible with most Snap-on®, A157 and A257 bushing drivers, A160M, and A261M metric bushing drivers, as well as with all BJP1 Ball Joint Press Cups by use of the A1310SB-BJP1 adaptor
- Driver handle features a broad steel striking cap that protects your hand from off-center strikes
- Driver retains the disks without a fastener, making it quicker to setup and no screw to lose or break
- At 16-1/2" (10" exposed) the additional length allows access in places other drivers cannot reach

A1310B27 Extra-Long Handle Driver

- Driver works in tandem with Snap-on® A1310B, and A1310SB bearing and seal drivers, as well as all BJP1 Cups with the A1310SB-BJP1 adaptor
- The driver handle features a broad steel striking cap that protects your hand from off center strikes
- The driver retains the disks without a fastener, making it quicker to use and no screw to lose or break
- At 25-7/8" (19-19/64" exposed) the additional length allows access in places other bearing and seal drivers cannot reach

A1310SB-BJP1 Adaptor (A1310 to BJP1)

- Designed for use with all BJP1 adaptors with A1310B series striking handles
- Provides additional options for driving bushings, specialty seals and parts requiring center clearance

A1310SB-RA Right Angle Adaptor

- Allows technician to apply hammer strikes directly to disk
- Compact design allows user to hold bearing race in same hand to ensure straight start
- Can be used with BJP1-A1310 to create striking surface for any BJP1 cup



PHG60B

Bushing Drivers

PHG60B Long Pneumatic Bushing and Seal Driver

- Provides additional 6-1/2" of reach versus original PHG75B driver model
- 1/2" driving end features A1310B series compatible ball detent
- Designed specifically for use with A1310B/A1310SB series disks for work on various seals and bearing races, but can also be used with most A57Q, A157, A158, A257, A160M and A261M bushing and seal drivers
- Zinc coated for protection from corrosion



ASD1

Bearing Race and Seal Drivers

ASD1 Universal Adjustable Bearing Race/Seal Driver

- Three stepped jaws quickly adjust to accommodate bearing races and seals from 0.7–3.39" (18–86 mm) eliminating the need for a driver and several different heads
- Step 1 jaw range: 0.7–2.2" (18–56 mm)
- Step 2 jaw range: 1.5–3.0" (39–77 mm)
- Step 3 jaw range: 1.89–3.4" (48–86 mm)
- Total depth/reach: 1.57" (40 mm)
- Can be used on domestic, Asian and European-built vehicles, including motorcycles
- Takes up less space in your tool storage than a typical bearing race/seal driver set



JCK8



JCK7DBL



JCKWFCBLK



JCWFCNPBLK



JCWFCNPRD

Fender Covers

JCK8 Fender Cover

- Measures 26 x 36"
- Nonslip, non-absorbent surface conforms to the fender of any vehicle
- Easy to clean with soap and water

JCK7DBL Fender Cover

- Measures 26 x 36"
- For use on shorter fenders of most new vehicles
- High-density sponge rubber laminated to vinyl provides better protection and adherence to the fender
- Less susceptible to creasing
- Raised ribbing along center section provides space to hold tools

JCKWFCBLK[†] Weighted Fender Cover

- Strategically placed sandbags secure cover in place to maximize protection and minimize overhang without magnets or sticky materials that attract metal shavings and are hard to clean
- PVC with carbon fiber pattern is easy to clean and resists chemicals
- Extra-large 48 x 26" (1,248 in²) area for superb coverage
- Folds to a compact size for convenient storage

JCWFCNPBLK[†] Neoprene Fender Cover

- Smooth 4 mm 35 x 24" neoprene with a non-slip backing
- 12" ties can tie to the vehicle offering security while working
- Can be rolled up and tied for easy storage
- Handy open front pocket holds loose fasteners
- Side loops and end pockets secure tools, keeping them within reach

JCWFCNPRD[†] Neoprene Fender Cover

- Smooth 4 mm 35 x 24" neoprene with a non-slip backing
- 12" ties can tie to the vehicle offering security while working
- Can be rolled up and tied for easy storage
- Handy open front pocket holds loose fasteners
- Side loops and end pockets secure tools, keeping them within reach

Fuel Tank Cover

KAC1224TCA Motorcycle Gas Tank Cover

- Fits Harley-Davidson[®] Dyna[®], Softail[®] and Touring models
- Fits various models of Yamaha[®], Victory[®], Triumph[®] and Kawasaki[®] motorcycles, plus many more
- Non-marring cover uses a non-abrasive inner liner that will not slide off



KAC1224TCA

Mats

MAT54X33[†] 54 x 33" Folding Creeping Mat

- Ideal for laying, kneeling or leaning on hard surfaces
- Longer and wider than traditional mats
- Marine-grade vinyl and heavy-duty stitching for long-lasting durability
- Textured, non-slip backing for use on any surface
- EVA foam padding for increased comfort and wear resistance
- Nine-segment mat can be folded into multiple configurations
- Excellent barrier against rough surfaces, dirty shop floors, or hot pavement
- Waterproof and chemical resistant
- Hanging grommets for easy storage
- Easy to clean



MAT54X33

[†]Use air hammer accessories only for their intended purpose.

• Do not use chipped or damaged accessories.

• Do not dent and if it is chipped or misshapen.

• Strike squarely, avoid glancing blows.

• Wear safety goggles user and bystanders.

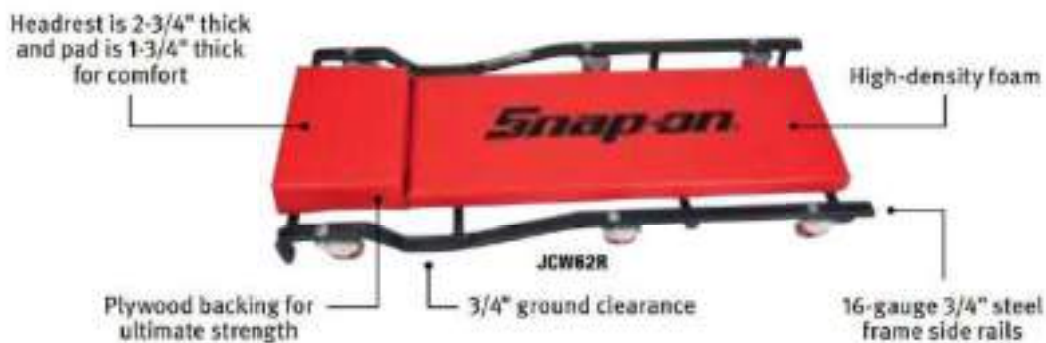
• Do not strike objects harder than punch/steel (e.g. Dewalt[®]).

[†]These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages PG-P2 for details.

• Read Safety Precautions on pages W1-W4



CREEPERS



Standard Creepers

JCW62R Standard Creeper

- New flat-oval tubing eliminates sharp corners and provides increased comfort
- New caster profile reduces rolling resistance and delivers increased maneuverability
- Solid plywood core for strength and durability
- Fully padded with high-density 80 lb foam, 1-3/4" thick back and 2-3/4" thick headrest
- Heavy-duty vinyl cover
- 40" L x 17" W x 4" H

Colors Available



Red Orange Green

R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



Specialty Creepers

JCPW42R Flat-Oval Big Wheel Creeper

- New flat-oval tubing eliminates sharp corners and provides increased comfort
- 13" wide pad for greater support
- 6" rubber casters provide a smooth ride over tough terrain
- Solid plywood core for strength and durability
- High-density foam pad with integrated headrest
- Heavy-duty vinyl cover



Creeper Hangers

KRJC23AAPV Creeper Hanger

- Secures creepers to roll cabs
- Hanger hooks over lip of roll cab and screws down
- Adjustable to four different creeper widths
- Two hook bolts and a lock rod are included so creeper can be padlocked (not included)
- (US Patent #5,407,170)
- 16-13/16" length
- Black textured finish



Adjustable Creepers

| Stock No. | Overall Size, inches | Pad Length | Pad Width | Number of Casters | Caster Diameter, inches |
|-----------|----------------------|------------|-----------|-------------------|-------------------------|
| JCW67R | 40 L x 17 W x 4 H | 36" | 11" | 6 | 2-1/2 |

JCW67R Flat-Oval Adjustable Creeper

- New hinge mechanism allows for one-handed height adjustment
- Four-position head rest
- Flat-oval tubing eliminates sharp corners and provides increased comfort
- Caster profile reduces rolling resistance and delivers increased maneuverability
- Solid plywood core for strength and durability
- Fully padded with high-density 80 lb foam, 1-3/4" thick back and 2-3/4" thick headrest
- Heavy-duty vinyl cover
- 40" L x 17" W x 4" H

Colors Available



Red Orange Green
R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



Heavy-Duty Creepers

| Stock No. | Overall Size, inches | Pad Length | Pad Width | Number of Casters | Caster Diameter, inches | Adjustable |
|-----------|-----------------------|------------|-----------|-------------------|-------------------------|------------|
| JCW72R | 40 L x 22 W x 5-3/4 H | 36" | 13" | 4 | 4 | — |
| JCW77R | 40 L x 22 W x 5-3/4 H | 36" | 13" | 4 | 4 | • |

JCW72R Flat-Oval Heavy-Duty Creeper

- Flat-oval tubing eliminates sharp corners and provides increased comfort
- 13" wide pad for greater support
- 4" casters and 1-3/8" ground clearance
- Solid plywood core for strength and durability
- High-density foam pad with integrated headrest
- Heavy-duty vinyl cover

JCW77R Flat-Oval Adjustable Heavy-Duty Creeper

- New flat-oval tubing eliminates sharp corners and provides increased comfort
- New hinge mechanism allows for one-hand height adjustment
- Four-position headrest
- 13" wide pad for greater support
- 4" casters and 1-3/8" ground clearance
- Solid plywood core for strength and durability
- High-density foam pad
- Heavy-duty vinyl cover

Colors Available



Black Red
BL R
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not overload.
- Do not stand on or use as a cart.
- See safety information in the nearest Snap-on catalog.
- Read and follow safety messages in the instructions.
- Read Safety Precautions on pages W3-W4.

CREEPERS



Seat Creepers With Drawer

| Stock No. | Overall Size, inches | Seat Size, inches | Drawer Size, inches |
|-----------|------------------------|-------------------|------------------------------|
| JCW80AR | 14-1/4 L x 19 W x 15 H | 16 L x 14-1/4 W | 9-7/8 L x 11-1/2 W x 1-3/4 D |

JCW80AR Creeper Seat

- Caster profile reduces rolling resistance and increases maneuverability
- Integrated storage drawer and parts tray
- 16-gauge 1" steel frame
- Solid plywood core for strength and durability
- High-density foam pad
- Heavy-duty vinyl cover



Adjustable Seat Creepers

JCW90CBL Creeper Seat

- Heavy-duty 16-gauge, 1" steel tube frame
- New caster profile reduces rolling resistance and delivers increased maneuverability
- 380 lb weight capacity
- New memory foam seat is 12 x 12 x 2-1/8" thick
- Adjusts from 14-19-1/4" high
- Seat pad swivels 360°
- Steel storage tray measures 15 x 15" and has magnetic strip to hold small parts
- Overall dimensions: 15 L x 15 W x 21-1/2" H in fully extended position



Bucket Seat Creepers with Drawer

JCW85BBL Seat Creeper

- New caster profile reduces rolling resistance and increases maneuverability
- Integrated storage drawer and parts tray
- 16-gauge 1" steel frame
- Solid plywood core for strength and durability
- High-density foam pad
- Heavy-duty vinyl cover



JCW85BBL

Colors Available



Adjustable Bucket Seat Creepers

JCW95CR Adjustable Bucket Seat Creeper

- New caster profile reduces rolling resistance and delivers increased maneuverability
- Heavy-duty 16-gauge, 1" steel tube frame
- Pneumatic cylinder adjusts from 14–19-1/4"
- Fully padded, vinyl, wide bucket seat measures 17-3/4 L x 10 W x 8" H
- Seat swivels 360°
- Steel storage tray measures 15 x 15" and has magnetic strip to hold small parts
- Overall dimensions: 17-3/4 L x 15 W x 28-1/4" H in fully extended position



JCW95CR

Colors Available



JCWTANK



JCWEXT



JCWTSC

Specialty Creepers

JCWTANK Heavy-Duty Off-Road Creeper

- Designed for use both in the shop and in the field
- Invaluable for roadside service trucks, agricultural machinery repair, heavy-duty wreckers or construction equipment repair
- Unique wheel position allows user to swivel in place or change directions by simply leaning back on the headrest and pivoting on two wheels
- Solid, puncture-proof 8" polyurethane wheels for a smooth ride on any surface
- Extra-wide pad and tilted headrest offer superior comfort
- Custom fenders protect clothing from dirt and entanglement while working
- Maximum capacity: 396 lb
- Field repairable
- Weight: 35 lb

- Dimensions: 28"W x 40"L x 8-3/4"H
- 8-1/4" x 2-2.5" solid core tires
- 1-5/8" ground clearance

JCWEXT Under-The-Dash Creeper

- 15–30" height adjustment
- Can be used on a wide variety of vehicles, from sports cars to full-sized trucks, with removable height extension bar
- Durable powder-coated metal frame with added bracing for improved stability when working on taller vehicles
- Tool-free height adjustment
- 300 lb working capacity

JCWTSC Heavy-Duty Top Side Work Platform

- Angled chest pad provides comfortable, full-body support and allows for a wide range of motion while working
- Adjustable, 3-position ergonomic knee pads for greater comfort

- Convenient storage drawer keeps tools and parts within easy reach
- Platform can be positioned to access the engine from either the front or side of the vehicle
- 650 lb working capacity
- Tool-less platform height adjustment from 51–66"
- Quickly folds down for storage with no tools required
- Can be stored flat or upright—16" folded height
- Durable 3-1/2" casters for easy transport
- Includes four leveling-feet for use on uneven surfaces
- Frame ships fully assembled—ready to use in minutes
- Durable, powder-coated steel construction
- Dimensions: 51 x 36 x 16"
- Weight: 65 lb
- Made in USA



- Do not overload.
- Do not stand on or use as a cart.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages PL-113 for details.
- Read Safety Precautions on pages W1–W4.

MEASURING: MICROMETERS AND SETS



MICM1



MICM2

Mechanical Micrometers

- No-glare satin chrome finish which resists rust
- Advanced sleeve design with staggered lines and distinct figures for precise and easy readability
- Balanced frame and thimble design to ensure easy handling and better readability
- Insulated frame for prevention of temperature related expansion and contraction
- Provides quick and easy adjustment
- Reading in ten-thousandths of an inch (.0001") with a vernier scale on the sleeve

| Stock No. | Range, inches |
|--------------------|---------------|
| MICM1 ¹ | 0-1 |
| MICM2 ¹ | 1-2 |



MICED1B

Electronic Digital Micrometers

| Stock No. | Increments | Range |
|-----------|---------------------|----------------|
| MICED1B | 0.00005" (0.001 mm) | 0-1" (0-25 mm) |

MICED1B Electronic Digital Micrometer (Blue-Point[®])

- Display reads to 0.00005" (0.001 mm)
- Zero set for absolute and incremental measuring modes
- Auto shut-off after ten minutes
- Insulated frame, hardened body, carbide-tipped anvil, positive locking clamp and ratchet stop thimble



MROUND4

Small Hole Gauge Set

Set Contains:

| Stock No. | Range, inches | |
|---------------------|---------------|---|
| CM4311 ¹ | 0.125-0.200 | • |
| CM4312 ¹ | 0.200-0.300 | • |
| CM4313 ¹ | 0.300-0.400 | • |
| CM4314 ¹ | 0.400-0.500 | • |

MROUND4¹ 4 pc Small Hole Gauge Set

- Knurled knob at handle for size adjustment
- Full round gauging surface with flat bottom



MIC22

Micrometer Test Gauges

| Stock No. | Size |
|-----------|-------|
| MIC22 | 1" |
| MIC2M2 | 25 mm |
| MIC32 | 2" |
| MIC3M2 | 50 mm |

MIC22 Micrometer Test Gauge

- 1" standard
- Permissible Max flexure = .0001"
- Flatness (max error) = .00005"
- Parallelism (max error) = .00005"
- Error in indicated measurement (length) = .0001"

MEASURING: SMALL HOLE AND TELESCOPING GAUGE SETS

Telescoping Gauges (Blue-Point®)

- Checks cylinders, recesses and slots
- Long handles for deep measurements (up to 5-1/2" on largest)
- Both contacts release or lock by turning knob at end of handle
- Measurement is taken with micrometer (not included)

| Stock No. | Range, inches | Set Contains: |
|---------------------|---------------|---------------|
| CM4349 [†] | 5/16-1/2 | • |
| CM4350 [†] | 1/2-3/4 | • |
| CM4351 [†] | 3/4-1-1/4 | • |
| CM4352 [†] | 1-1/4-2-1/8 | • |
| CM4353 [†] | 2-1/8-3-1/2 | • |
| CM4354 [†] | 3-1/2-8 | • |



MTEE6 Telescoping Gauges (Blue-Point®)

- Measurable depth is 4-5"
- Set of six, packaged in a plastic pouch

MEASURING: CALIPERS



MCAL6A



MCAL12A



PMF147A

Calipers (Blue-Point®)

MCAL6A Electronic Digital Caliper (Blue-Point®)

- Range is 0-6" (0-150 mm) in 0.0005" (0.01 mm) resolutions
- Use for inside, outside, depth and step measurements
- Inch/metric conversion with one button
- Hardened stainless steel frame
- Large LCD display

MCAL12A Electronic Digital Caliper (Blue-Point®)

- Essential for working on larger vehicles, trucks, tractors and earth-moving equipment
- Range is 0-12" (0-305 mm) in 0.0005" (0.01 mm) resolutions
- Used for inside, outside, depth and step measurements
- Inch/metric conversion with one button
- Large LCD display with floating zero set
- Locking nut and thumb roll for smooth action

PMF147A US/Metric Dial-Type Caliper (Blue-Point®)

- Range is 0-6" (0-150 mm) in 0.001" (0.1 mm) increments
- Includes a storage case



[†]These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details. • Read Safety Precautions on pages W1-W4

MEASURING: CALIPERS



CAL6EA



CAL6DA



CAL6V

Calipers

CAL6EA[®] 6" Electronic Caliper

- Stainless steel; .0005" resolution; 0–6" measuring range
- Lightweight and comfortable
- Auto-off after 30 minutes; retains last measuring position
- SAE/millimeter conversion reads .0005" or 0.01 mm
- Accuracy 0–4" (± 0.001 " 4–6" (± 0.0015 "
- Accuracy 0–100 mm (± 0.025 mm) 100–150 mm (± 0.04 mm)
- Hardened stainless steel body
- At .320" the digits on this tool are easy to read
- Beryllium copper gib in slide assembly and polished bar guarantees smooth operation
- Integrated depth rod
- Fine adjustment thumb wheel
- Zero at any position
- Supplied in storage case with foam insert

CAL6DA[®] 6" Dial Caliper

- White faced dial caliper, 0–6" range, .001" graduations
- Accuracy (in) ± 0.001
- Sharp, clear dial graduations
- Adjustable bezel
- Double rack pinion gears provides anti-backlash control
- Hardened stainless steel, all metal construction
- Beryllium copper gib in the slide assembly and polished bar guarantees smooth operation
- Depth rod covers rack to protect against damage
- Lock screw for sliding jaw and dial bezel
- Fine adjustment thumb wheel
- Supplied in plastic case with foam insert

CAL6V[®] 6" Vernier Caliper

- Caliper includes metric/inch readings, 150 mm/6" range, .02 mm/.001" graduations
- Accuracy (in) 0–4" (± 0.001 " 4–6" (± 0.0015 "
- Accuracy (mm) ± 0.025 mm per 300 mm
- Lock screw for sliding jaw
- Hardened stainless steel depth rod
- Sharp, black graduations on satin chrome finish bar
- Laser etching on the vernier plate and bar guarantees an easy-to-read caliper
- Beryllium copper gib in the slide assembly and polished bar guarantees smooth operation
- Supplied in plastic case with foam insert

MEASURING: MICROMETERS



MIC2MB



MIC3MB



MIC5MB

Metric Digital Micrometers

MIC2MB Metric Digital Micrometer (Blue-Point[®])

- 25–50 mm
- Standard reading in .01 mm increments on mechanical digital display
- Vernier style reading in .01 mm increments
- Large easy to handle insulated frame, carbide tipped anvils, positive locking clamp and ratchet stop thimble

MIC3MB Metric Digital Micrometer (Blue-Point[®])

- 50–75 mm
- Standard reading in .01 mm increments on mechanical digital display
- Vernier style reading in .01 mm increments
- Large easy to handle insulated frame, carbide tipped anvils, positive locking clamp and ratchet stop thimble

MIC5MB Metric Digital Micrometer (Blue-Point[®])

- 100–125 mm
- Standard reading in .01 mm increments on mechanical digital display
- Vernier style reading in .01 mm increments
- Large easy to handle insulated frame, carbide tipped anvils, positive locking clamp and ratchet stop thimble



DDG16

Depth Micrometer Sets

DDG16 Digital Depth Gauge Set

- Easy-to-read display
- Includes (5) extension adaptors for a range of 16"
- Extension adaptors stepped in 1" increments 1–5
- Wide base for stability

- Inch/metric conversion
- Indicator range: 0–1"
- Depth range: 0–16"
- Resolution: 0.0005/0.01 mm/1/128"
- Accuracy: 0.001"

MEASURING: DIAL TEST INDICATOR GAUGES

Dial Gauges

GA1D[®] Dial Indicator

- Range 1.000"
- Dial indicator has shockless, hardened steel gear train and jewel bearings
- Massive bridge for rigid bearing support
- Unbreakable crystal
- Rugged simple unit construction with a universally fitting design
- Hardened stainless steel stem, gears and pinions
- Sharp bezel serrations for positive grip



GA1D



GA3640



GA3634



GA3645A

Dial Test Indicator Sets

- All-purpose indicator set
 - Indicator with 0–1" range and .0005" graduations
 - Easy-to-read white on black dial face
- #### GA3640 Long Range Dial Test Indicator Set
- Magnetic base attaches to flat surface
 - Checks ball joint, tie rod, cam and valve guide wear, wheel rim, flywheel and disc brake runout
 - Dial is continuous with revolution counter
 - Bezel may be rotated for any setting point
 - Includes powerful magnetic base with post, stepped rod and clamps along with contact, rod connector and indicator holding clamp
 - Includes storage case

GA3634 Ball joint/Disc Brake Test Indicator Set

- Uses locking pliers and a flexible gooseneck for non-magnetic applications and difficult areas
- Ideal for brake and undercar work

GA3645A Dial Indicator Set with Conforming Magnetic Base

- Measures vehicle components that are out of alignment due to wear
- Dial indicator graduations are easy to read
- Single-action knob locks entire assembly into proper position
- Magnetic base conforms to irregular surfaces
- Secondary dial aids in counting tenths of an inch
- Fine adjustment on indicator mount for precise baseline settings
- Includes storage case

Timing Gauges

GA3625A Timing Gauge (Blue-Point[®])

- Two-cycle and small engine timing gauge
- 0–1" indicator with 0.001" graduations
- Easy-to-read black on white dial face
- 14 and 18 mm adaptors included
- For finding top dead center



GA3625A



†These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P5–P7 for details.
• Read Safety Precautions on pages W1–W4

MEASURING: DIAL TEST INDICATOR GAUGES



GA3601



GA3609



CM6416

Contact Points and Extensions

GA3601 Dial Indicator Extension

- Use with GA3400, GA3634, GA3640 and GA3645 dial test indicators
- 4-48 female thread allows the extension of any contact point for special applications
- 6" long

GA3609 8 pc Contact Point and Extension Set

- Use with GA3400, GA3634, GA3640 and GA3645 dial test indicators
- 4-48 female thread allows the extension of any contact point for special applications
- Extensions can be joined together to extend reach
- Contact points feature a polished tip with radius end and are manufactured from hardened steel
- Includes (4) 1" extensions, (4) contact points (0.2, 0.4, 0.6 and 0.8") plus holder for set components

Magnetic Bases

CM6416 Magnetic Holder

- Magnet has on/off switch
- Base is 2-3/8 x 1-7/8 x 2-1/2"
- Post is 7 x 15/16"
- Rod is 6 x 25/64"
- Will grip flat or curved metal surfaces

LEVELS



YA328A



TL900L

YA328A Magnetic Angle Locator (Blue-Point®)

- Ideal for checking the drive shaft angle
- Red degree indicator is located behind the numbers for exact reading of graduations
- SAE and metric scales molded into the base of the tool are 1/8" and centimeters
- Large 1-7/8 x 7/8" magnet in the base for secure retention

TL900L 9" Aluminum Lighted Level (Blue-Point®)

- Lighted for more-accurate readings under all conditions
- Machined billet aluminum for added durability
- Rare earth magnets attach to ferrous surfaces
- 45, 90 and 180° scales
- Auto shut-off feature after 10 minutes extends battery life
- Uses two AAA alkaline cells (included)
- Sight glasses are backlit for better visibility

MEASURING: FEELER GAUGES



FB316B



FB326B

Feeler Gauges, Ignition

| Stock No. | No. of Blades | Blade Dimensions, inches | Blade Size, inches | Increments | Description |
|---------------------|---------------|--------------------------|--|------------|---|
| FB316B [†] | 18 | 1/4 x 1-3/4 | .010, .012, .013, .015-.022, .024-.026, .028, .030, .032, .035 | .001" | Short Blade, Ignition Gauge Set, Double Stamped with SAE and Metric Sizes |
| FB326B [†] | 20 | 1-1/2 x 2, 1/4 x 1-3/4 | .003, .004, .005, .006, .007, .008, .010, .012, .013, .015, .017, .018, .020, .022, .024, .026, .028, .030, .032, .035 | .001" | Double Stamped with SAE and Metric Sizes |

MEASURING: FEELER GAUGES



FB310B



FB325A



FB335



FBL325A

Feeler Gauges, General Use

| Stock No. | No. of Blades | Blade Dimensions, inches | Blade Size, inches | Increments | Description |
|----------------------|---------------|--------------------------|--|------------|--|
| FB310B ¹ | 13 | 1/2 x 3 | .001, .0015, .002-.008, .010, .012, .013, .015 | — | Double Stamped with SAE and Metric Sizes |
| FB325A ¹ | 25 | 1/2 x 3 | .0015, .002-.025 | .001" | Double Stamped with SAE and Metric Sizes |
| FB335 ¹ | 36 | 1/2 x 3 | .0015, .002-.035 | .001" | Feeler Gauge Blade |
| FBL325A ¹ | 25 | 1/2 x 12 | .0015, .002-.021, .025, .027, .030, .040 | .001" | 12" Long Blade, Double Stamped with SAE and Metric Sizes |
| FBM320 ¹ | 20 | 1/2 x 3 | .05-1mm | .05 mm | Metric Feeler Gauge Set |



FBM320



FB300A



FB308D



FB322



FB328A

Feeler Gauges, Bent and Step Ground Blades

| Stock No. | No. of Blades | Blade Dimensions, inches | Blade Size, inches | Increments | Description |
|---------------------|---------------|--------------------------|---|------------|---|
| FB300A ¹ | 25 | 1/2 x 3 | .006-.030 | .001" | Feeler Gauge Set, Blade Ends are Angled at 45° |
| FB308D | 12 | 1/2 x 3 | .006-.010, .011-.013, .013-.015, .014-.016, .015-.017, .017-.018, .018-.020, .020-.022, .023-.025, .025-.027, .028-.030 | .001" | Step Feeler Gauge Set |
| FB322 ¹ | 22 | 1/2 x 3 | .004-.006, .025-.027 | .001" | Step Blades with 2 Sizes Each |
| FB328A ¹ | 2 | 1/2 x 3 | .011-.013, .013-.015 | — | For Valve Adjustment on GM® E 2.1 Engines, Double Stamped with SAE and Metric Sizes |
| FBM322 ¹ | 2 | 1/2 x 3 | .20-.30, .40-.50 mm | — | Step Blade with 10-3/4" Long Bent Handle |



FBM322

Feeler Gauges, Diesel

| Stock No. | No. of Blades | Blade Dimensions, inches | Blade Size, inches | Increments | Description |
|-----------|---------------|--------------------------|--|------------|--|
| FB307D | 14 | 1/2 x 6 | .008, .011-.014, .016, .018, .020, .023-.025, .027, .029 | .001" | Bent Blade Cummins® Diesel, Blade Ends are Bent at 90° Angle; Blades are Secured on FB307C1 Ring |



FB307D



¹These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P5-P7 for details.
• Read Safety Precautions on pages W3-W4

MEASURING: FEELER/SPARK PLUG GAUGES



FB336



FB305A

Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Feeler Gauges, Specialty

| Stock No. | No. of Blades | Blade Dimensions, inches | Blade Size | Increments | Description |
|-----------|---------------|--------------------------|------------------------------------|------------|---|
| FB336* | 82 | 1/2 x 3 | .036-.040 | .001" | Interchangeable Gauge Blade Set |
| FB305A† | 6 | 1/2 x 3 | .006, .008, .010, .012, .014, .016 | .002" | Non-Magnetic, Double Stamped SAE and Metric Sizes |

FB336 Feeler Gauge Blade Set

- Includes (4) Instinct® handles for a better grip when measuring tolerances
- Gauge holder allows for quick installation and removal of gauge blades
- Blades separated by type on a split-ring holder for easy access

- Packed in a thermoform tray for convenient storage
- Most complete feeler gauge blade sets: (32) .006-.035", .039" and .040" straight; (25) .006-.030" step ground; (25) .006-.030" 45° offset

FB305A† Feeler Gauge (Blue-Point®)

- Non-magnetic feeler gauge set
- Double stamped with SAE and metric sizes



FBP2



FB301A



FB302A



FB303B



FB360C



FB361A



GA461C

Spark Plug Gauges/Gappers

FBP2† Ramp Gauge (.020-.080")

- Measures gap by sliding gauge between center and side electrode of spark plugs
- Includes Instinct® handle for easier use
- Graduated ramp measures gaps in inches and millimeters
- Range is .020-.080" and .55-2 mm
- Gap can be adjusted using slot at the end of ramp gauge

FB301A† Wire Gap for Point Ignition Systems Gauge (Blue-Point®)

- Includes eight wires in sizes .020", .022", .025", .028", .030", .032", .035" and .040" and electrode bender

FB302A† Wire Gap for Aircraft, Motorcycle, and Small Engines Gauge

- Includes eight wires in sizes .015, .016, .018, .020, .025, .028, .030, .035" and electrode bender

FB303B† Wire Gap for Electronic Ignition Systems Gauge

- Includes six wires in sizes .044", .045", .050", .054", .060" and .080" and electrode bender

FB360C† Gap for Electronic Ignition Systems Gauge (Blue-Point®)

- Includes six wire sizes: .040", .044", .045", .050", .060" and .080"
- Double stamped with SAE and metric sizes

FB361A† Gapper Gauge (Blue-Point®)

- Pocket size gapper features an inclined ramp for setting gap
- 1-1/2" dia.
- Range .020-.100"
- Double stamped with SAE and metric sizes

GA461C Gap for Point Ignition Systems Gauge

- Includes six wires protruding 1/4" from edge of metal disc
- Wire sizes are .025", .030", .034", .035", .040" and .045"
- Built-in electrode bender
- Double stamped with SAE and metric sizes

Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

MEASURING: FEELER/SPARK PLUG GAUGES

Replacement Feeler Blades

| Snap-on Sets | FB335 ¹ , FBL325A ¹ , FB326B ² | FB300A ¹ | FB3330 | FBL325A | FB336** | | |
|--------------|---|---------------------|-------------------------|---------------|--------------|--------------|----------------|
| SAE Size | 1/2 x 3 Flat | 1/2 x 3 Offset | 1/2 x 4 Offset | 1/2 x 12 Flat | 1/2 x 3 Flat | 1/2 x 3 Step | 1/2 x 3 Offset |
| .001 | FB1B001 | — | — | — | — | — | — |
| .0015 | FB1B0015 | — | — | FB6B0015 | — | — | — |
| .002 | FB1B002 | — | — | FB6B002 | — | — | — |
| .0025 | FB1B0025 | — | — | FB6B0025* | — | — | — |
| .003 | FB1B003 | — | — | FB6B003 | — | — | — |
| .004 | FB1B004 | — | — | FB6B004 | — | — | — |
| .005 | FB1B005 | FB14A005* | — | FB6B005 | — | — | — |
| .006 | FB1B006 | FB14A006 | YA3330-6* ¹ | FB6B006 | FB1B006 | FB3A006 | FB14A006 |
| .007 | FB1B007 | FB14A007 | YA3330-7* ¹ | FB6B007 | FB1B007 | FB3A007 | FB14A007 |
| .008 | FB1B008 | FB14A008 | YA3330-8* ¹ | FB6B008 | FB1B008 | FB3A008 | FB14A008 |
| .009 | FB1B009 | FB14A009 | YA3330-9* ¹ | FB6B009 | FB1B009 | FB3A009 | FB14A009 |
| .010 | FB1B010 | FB14A010 | YA3330-10 ¹ | FB6B010 | FB1B010 | FB3A010 | FB14A010 |
| .011 | FB1B011 | FB14A011 | YA3330-11* ¹ | FB6B011 | FB1B011 | FB3A011 | FB14A011 |
| .012 | FB1B012 | FB14A012 | YA3330-12 ¹ | FB6B012 | FB1B012 | FB3A012 | FB14A012 |
| .013 | FB1B013 | FB14A013 | YA3330-13* ¹ | FB6B013 | FB1B013 | FB3A013 | FB14A013 |
| .014 | FB1B014 | FB14A014 | YA3330-14 ¹ | FB6B014 | FB1B014 | FB3A014 | FB14A014 |
| .015 | FB1B015 | FB14A015 | YA3330-15* ¹ | FB6B015 | FB1B015 | FB3A015 | FB14A015 |
| .016 | FB1B016 | FB14A016 | YA3330-16 ¹ | FB6B016 | FB1B016 | FB3A016 | FB14A016 |
| .017 | FB1B017 | FB14A017 | YA3330-17* ¹ | FB6B017 | FB1B017 | FB3A017 | FB14A017 |
| .018 | FB1B018 | FB14A018 | YA3330-18 ¹ | FB6B018 | FB1B018 | FB3A018 | FB14A018 |
| .019 | FB1B019 | FB14A019 | YA3330-19* ¹ | FB6B019 | FB1B019 | FB3A019 | FB14A019 |
| .020 | FB1B020 | FB14A020 | YA3330-20 ¹ | FB6B020 | FB1B020 | FB3A020 | FB14A020 |
| .021 | FB1B021 | FB14A021 | YA3330-21* ¹ | FB6B021 | FB1B021 | FB3A021 | FB14A021 |
| .022 | FB1B022 | FB14A022 | YA3330-22* ¹ | FB6B022* | FB1B022 | FB3A022 | FB14A022 |
| .023 | FB1B023 | FB14A023 | YA3330-23* ¹ | FB6B023* | FB1B023 | FB3A023 | FB14A023 |
| .024 | FB1B024 | FB14A024 | YA3330-24 ¹ | FB6B024* | FB1B024 | FB3A024 | FB14A024 |
| .025 | FB1B025 | FB14A025 | YA3330-25* ¹ | FB6B025 | FB1B025 | FB3A025 | FB14A025 |
| .026 | FB1B026 | FB14A026 | YA3330-26* ¹ | FB6B026* | FB1B026 | FB3A026 | FB14A026 |
| .027 | FB1B027 | FB14A027 | YA3330-27 ¹ | FB6B027 | FB1B027 | FB3A027 | FB14A027 |
| .028 | FB1B028 | FB14A028 | YA3330-28* ¹ | FB6B028* | FB1B028 | FB3A028 | FB14A028 |
| .029 | FB1B029 | FB14A029 | YA3330-29 ¹ | FB6B029* | FB1B029 | FB3A029 | FB14A029 |
| .030 | FB1B030 | FB14A030 | YA3330-30 ¹ | FB6B030 | FB1B030 | FB3A030 | FB14A030 |
| .031 | FB1B031 | — | YA3330-31* ¹ | FB6B031* | FB1B031 | — | — |
| .032 | FB1B032 | — | YA3330-32* ¹ | FB6B032* | FB1B032 | — | — |
| .033 | FB1B033 | — | YA3330-33* ¹ | FB6B033* | FB1B033 | — | — |
| .034 | FB1B034 | — | YA3330-34* ¹ | FB6B034* | FB1B034 | — | — |
| .035 | FB1B035 | — | YA3330-35* ¹ | FB6B035* | FB1B035 | — | — |
| .039 | FB1B039 | — | — | — | FB1B039 | — | — |
| .040 | FB1B040 | — | YA3330-40* ¹ | FB6B040 | FB1B040 | — | — |

¹Includes blade holder
²Optional

Colors Available



** ORG GRN
 ADD SUFFIX TO STOCK NUMBER
 FOR SPECIAL COLORS.



† These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
 • Read Safety Precautions on pages W1-W4.

MEASURING: MEASURING SETS



Measuring Sets

RULER12BSQ 12" Steel Rule (Blue-Point®)

- Precision ground and hardened steel blade for greater accuracy
- Graduated in 1/8" and 1/16" increments on one side and 1/32" and 1/64" increments on the other

SQUAREB12 Adjustable Machinist Square (Blue-Point®)

- Includes storage case

SQUAREB180 Protractor Head (180°) (Blue-Point®)

- Protractor is graduated 180° in both directions
- Includes bubble level

SQUAREB45 Sliding Head (45°) (Blue-Point®)

- Center head for 45° angles only

SQUAREB90 Sliding Head (90°) (Blue-Point®)

- 90° square head with bubble level and scribe points

SQUARECOMB12 Combination Measuring Set (Blue-Point®)

- Includes SQUAREB180 protractor, RULER12BSQ steel rule plus SQUAREB90 and SQUAREB45 sliding heads in fitted storage case

MEASURING: STRAIGHT EDGES AND STEEL RULES



Precision Straight Edges

- Use with feeler gauges to check for distortion in engine blocks, cylinder heads, flywheels, main bearing saddles, cam bearing saddles, cam covers and bell housings
- Precision working edge ground to within .0002" per 12" in length
- Great stability with 1/4" thickness and 1-1/2" width
- Convenient hanging hole and edge protector

| Stock No. | Length, inches | Thickness, inches | Width, inches |
|-----------|----------------|-------------------|---------------|
| GA435 | 13 | 1/4 | 1-1/2 |
| GA438A | 24 | 1/4 | 1-1/2 |
| GA535 | 35 | 1/4 | 1-1/2 |



Steel Rules

RULER6 6" Steel Rule

- Graduations in 1/8", 1/16", 1/32" and 1/64"
- Spring-tempered steel
- Non-glare satin chrome finish
- Deep, black-filled, chemical machined graduations that will last a lifetime
- Quick reading, end graduations
- Ruler measures edge-to-edge
- Fits in the user's pocket

RULER120 US/Metric Steel Rule

- 12" stainless steel rule
- 1/32" increments for first 3", 1/16" increments for last 9"
- Metric edge is etched with mm and cm increments

RULER600 Steel Rule

- 6" Eng Ruler
- Graduated in 1/32" and 1/64" increments

RULER601 6" Steel Rule (Blue-Point®)

- 6" stainless steel rule
- Graduated in 1/10" and 1/50" increments on one side, 1/32" and mm increments on the other

RULER602 6" SAE/Metric Pocket Rule

- 6" stainless steel rule with pocket clip
- 1/32" and 1/64" increments on one side, mm and cm increments on the other

TAPE MEASURES

Tape Measures

TPMAM5 5 m Tape Rule

- 19 mm x 5 m tape
- Includes metric scale

TPMA10 10' Tape Rule

- 1/2" x 10' tape
- Includes SAE/metric scale with fractions

TPMA12 12' Tape Rule

- 3/4" x 12' tape
- Includes SAE scale with 16" stud markings

TPMA25 25' Tape Rule

- 1" x 25' tape
- Includes SAE scale with 16" stud markings

TPMA25EM 25'

Tape Rule

- 1" x 25'/7 m tape
- Includes SAE/metric scale with fractions

TPM100 Tape Rule (Blue-Point®)

- Includes inch/metric scale
- Quick rewind design for ease of use
- Rewinding lever conveniently stored in housing
- Nonslip grip provides confidence and comfort



TPMAM5



TPMA10



TPMA12



TPMA25



TPMA25EM



TPM100

MIRRORS/PICK-UP TOOLS



GA265A



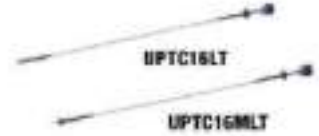
YAB37A



GA353B



DPTC24



UPTC16LT

UPTC16MLT

Claws (Flexible)

| Stock No. | No. of Claws | Maximum Jaw Opening, inches | Flexible Section Length, inches | Overall Length, inches |
|------------------------|--------------|-----------------------------|---------------------------------|------------------------|
| GA265A | 2 | 1 | 8 | 17-3/4 |
| YAB37A ¹ | 4 | 3/8 | 16 | 23-1/2 |
| GA353B | 4 | 1 | 8 | 17-1/2 |
| DPTC24 | 4 | 1-1/4 | 24 | 24-1/2 |
| UPTC16LT ¹ | 4 | 1.25 | 16-3/4 | 25-11/16 |
| UPTC16MLT ¹ | 4 | 1.25 | 16-3/4 | 25-11/16 |

¹Lighted

UPTC16MLT¹ Lighted Magnetic Flexible Spring Claw (Blue-Point®)

- Magnet is able to pick up a maximum of 5 lb
- Four-jaw claw opens wide to secure hard to reach objects
- Heavy-duty aluminum plunger with convenient side switch turns on/off bright LED Light as needed
- Tightly wound flexible spring snakes into tight areas
- Includes (2) CR2032 lithium batteries
- 25-11/16" long



¹These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P5-P7 for details. • Read Safety Precautions on pages W1-W3.

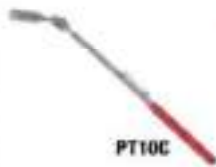
MIRRORS/PICKUP TOOLS (Blue-Point®)



DPTM24A



PHT5RD



PT10C



PT28E



PT30C



PT40B



PT5C



PT7B



PT15S



PT5S



UPT100



UPT15



UPT2FL



UPT22FL



UPT35R

Magnetic

DPTM24A Flexible Magnetic Pick-Up Tool (Blue-Point®)

- In the retracted position, magnet will not adhere to un-targeted ferrous metals
- Depress plunger to expose magnet from shroud and grab desired object
- 17" flexible shaft easily maneuvers through tight spots
- Cushion grip handle provides comfort and control

PHT5RD[™] Telescopic Magnetic Pickup Tool (Blue-Point®)

- POWERCAP[®] shields sides of magnet for focused lifting
- Cushion grip will not slip in oily or wet hands
- Includes pocket clip

PT10C[†] Pick-Up Tool (Blue-Point®)

- Lifts 1 lb, 8-5/8" long

PT28E[†] Pick-Up Tool (Blue-Point®)

- Lifts 2 lb
- 16-3/4" long and extends to 26-3/4"
- Aluminum head
- Probe O.D. is 1/2"

PT30C Pick-Up Tool (Blue-Point®)

- Lifts 6-1/2 lb
- 17" long and extends to 27-1/8"

PT40B Flexible Magnetic Pick-Up Tool (Blue-Point®)

- Magnet lifts 3-1/2 lb
- Length is 21", including a 14" flexible section

PT5C[†] Telescopic Magnetic Pick-Up Tool (Blue-Point®)

- Lifts up to 2 lb
- Chrome plated shaft extends from 5-7/8"-25-9/16"
- Includes pocket clip

PT7B Magnetic Pick-Up Tool (Blue-Point®)

- Lifts 1 lb, 6" long

PT15S[†] Pick-Up and Inspection Tool (Blue-Point®)

- Magnet end lifts 1-1/2 lb
- Length is 26-3/4" extended, closes to 5-7/8"
- Mirror end is 1-1/4" in diameter
- Includes pocket clip

PT55 Magnetic Pick-Up Tool/Scribe (Blue-Point®)

- Magnet in one end and a replaceable carbide steel scribe tip at the other
- 5" long, do not use as a pry bar or punch
- Includes pocket clip

UPT100[†] 10 lb Magnetic Pick-Up Tool (Blue-Point®)

- Magnetic head designed to increase power of the magnet and minimize the flux on the sides
- Lifts 10 lb
- Sturdy stainless steel antenna for durability
- Telescopes from 5-3/4"-25-3/4"
- Textured cushioned grip will not slip in wet or oily hands
- Pocket clip keeps the tool convenient and secure

UPT15[†] Telescoping Magnetic Pickup Tool (Blue-Point®)

- Lifts up to 2 lb
- 6-5/8" long and extends to 33-1/4"

UPT2FL[†] Flexible Magnetic Pick-Up Tool (Blue-Point®)

- 29" aluminum shaft can be easily bent at any angle
- POWERCAP[®] slides over the magnet and shields its sides from attaching to unwanted metal surfaces
- Lifts up to 5 lb

UPT22FL[†] 22" Flex Magnetic Pick-Up Tool

- Super-strength neodymium/iron/boron extra-high flux magnet for greater pick-up power
- Shaft can be bent into almost any position and remains there for steadier, easier retrieval
- Knurled aluminum handle for added grip
- Capable of lifting up to 1-1/2 lb of ferrous material

UPT35R[†] Telescoping Magnetic Pick-Up Tool (Blue-Point®)

- POWERCAP[®] shields the side of the magnet from attaching to unwanted metal surfaces
- Lifts up to 5 lb
- 7-1/4" long and extends to 33-3/4"
- Sturdy stainless steel antenna
- Textured cushion grip will not slip in wet or oily hands

Colors Available



Red Orange Green

* RD OR GR

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

MIRRORS/PICKUP TOOLS (Blue-Point®)

Magnetic

UPT50A¹ Telescoping Magnetic Pick-Up Tool (Blue-Point®)

- Lifts up to 10 lb
- 6-5/8" long and extends to 33-1/4"

UPT65¹ Telescoping Magnetic Pick-Up Tool (Blue-Point®)

- Goblet shaped magnetic head directs the flux to the front of the magnet to lift up to 16 lb
- Head shields the sides of the magnet from attaching to unwanted ferrous surfaces
- 9" long and extends to 34-1/4"

UPTM65K¹ Magnetic Inspection Kit (Blue-Point®)

- Includes UPT65 pick-up tool and US225 inspection mirror in vinyl pouch

US225¹ Inspection Mirror (Blue-Point®)

- Attaches to UPT65 pick-up tool
- Dual ball adjustment provides 2-1/4" dia. infinite positioning



LED Lighted Magnetic Pick-Up Tools

UPTLP2¹ Penlight Pick-Up Tool (Blue-Point®)

- Newly designed steel magnetic head lifts 8 lb and shields the sides from attaching to unwanted metal surfaces
- LED light illuminates dark areas
- Stainless steel handle telescopes from 8-32-3/4"



Hinged Mirrors (Blue-Point®)

| Stock No. | Overall Length, inches | Mirror Size, inches | Glass Replacement Mirror | Plastic Replacement Mirror |
|-----------|------------------------|---------------------|--------------------------|----------------------------|
| GA51B | 16-1/2 | 1-11/16 x 2-9/16 | GA51B1 | GA51B1P |
| GA52B | 11 | 1-3/16 x 1-1/2 | GA52B1 | — |
| GA53A | 16-1/2 | 2-5/16 x 3-3/8 | GA53A1 | GA53A1P |

GA294¹ 2-1/8 x 3-1/2" Mirror with 15" Shaft (Blue-Point®)

- 2-1/8 x 3-1/2" mirror with 15" shaft
- Has double ball joints that allow mirror to swivel a full 360°
- Electrolytic-plated copper backing
- Features non-rotating telescoping rods
- Vinyl grip
- Closed length is 11-1/4"; extended length is 15-1/4"

GA295¹ 2-1/4" Round Mirror with 14" Shaft (Blue-Point®)

- 2-1/4" round mirror with 14" shaft
- Has double ball joints that allow mirror to swivel a full 360°
- Electrolytic-plated copper backing
- Features non-rotating telescoping rods
- Vinyl grip
- Closed length is 10"; extended length is 14"

UIM2FL¹ Flexible Inspection Mirror (Blue-Point®)

- 32" aluminum shaft can easily be bent to any angle
- 2-1/4" mirror is encased in a rugged stainless steel head
- All-angle ball joint holds mirror head tightly at any angle
- Textured cushion grip will not slip in wet or oily hands



¹These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details. • Read Safety Precautions on pages W1-W4

MIRRORS (Blue-Point®)



UIM2LT



UIM2RSLT

LED Telescoping Mirrors

UIM2LT¹ Lighted Telescoping Inspection Mirror (Blue-Point®)

- LED light illuminates dark hidden areas
- Telescopes from 6-3/4–37" to facilitate accurate inspections
- Mirror is 2-3/8"
- Angle ball joint firmly holds lighted mirror at any angle for perfect viewing
- Cushioned handle will not slip in wet or oily hands
- Uses (2) CR2016 batteries

UIM2RSLT¹ LED Lighted Inspection Mirror (Blue-Point®)

- Telescopes from 6-3/4–30" for fast, accurate inspections
- Mirror is 3-1/4 x 1-1/8"



PTM143



CF143MA



PTM147



PTM157

Pocket Mirrors

PTM143¹ Round Pocket Mirror (Blue-Point®)

- Handle extends from 4-1/2–17"
- 1-1/4" in diameter
- Hinge mechanism allows 360° adjustment
- Includes pocket clip

CF143MA¹ 17" Round Pocket Magnifying Mirror (Blue-Point®)

- Handle extends from 4-1/2–17"
- 1-1/4" in diameter
- Hinge mechanism allows 360° adjustment
- Includes pocket clip

PTM147¹ Round Pocket Mirror (Blue-Point®)

- Handle extends from 4-1/2–17"
- 3/4" in diameter
- Hinge mechanism allows 360° adjustment
- Includes pocket clip

PTM157¹ Oval Pocket Mirror (Blue-Point®)

- Handle extends from 4-1/2–17"
- 1 x 2" oval
- Hinge mechanism allows 360° adjustment
- Includes pocket clip



TKSS01MIR



UIM125



UIM225RD



UIM2LM



UIM2NR



UIM325

Telescoping Mirrors

TKSS01MIR Telescoping Hinged Steel Mirror (Blue-Point®)

- Steel mirror will not shatter if dropped
- Hinged for accurate positioning, telescopes from 7–28-1/2" (177.8–723.9 mm)
- Mirror surface is 3.12 x 2" (79.4 x 50.8 mm)
- Easily fits into shirt pocket when retracted

UIM125¹ Telescoping Inspection Mirror (Blue-Point®)

- 1-1/4" dia. mirror
- 6-1/2" long and extends to 35"

UIM225RD¹ Telescoping Inspection Mirror (Blue-Point®)

- 2-1/4" dia. mirror head
- All-angle ball joint holds mirror firmly at any angle
- Telescopes from 6-1/2–35"

UIM2LM¹ Magnifying Inspection Mirror (Blue-Point®)

- Stainless steel handle telescopes 11-1/2–51-1/2"
- 2-1/4" magnifying mirror enlarges viewing area
- All-angle ball joint holds the mirror head tightly at any angle
- Textured cushion grip will not slip in wet or oily hands

UIM2NR¹ No Swivel Rectangular Telescoping Mirror (Blue-Point®)

- All-angle ball joint holds the mirror head firmly at any angle
- Stainless steel handle is long, strong and lightweight
- Heavy-duty grip will not slip in wet or oily hands
- Adjusts from 6-3/4–29-3/4"
- 2-9/16 x 3-3/4" rectangular head

UIM325¹ Telescoping Inspection Mirror (Blue-Point®)

- 6-1/2" long, and extends to 29-1/2"
- Mirror is 3-1/4" dia.

Colors Available



Red Orange Green

* RD OR GR
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

BRAKE: SERVICE TOOLS

Vacuum Pressure Pump Kits

YA4000B¹ Automotive Test Kit (Blue-Point[®])

- Produces vacuum or pressure at the turn of a switch
- Used for vacuum and pressure-related engine performance diagnostics and tune-ups; brake bleeding; fluid transfer, evacuation and sampling
- One-finger trigger vacuum/pressure release
- Durable, accurate diaphragm-type vacuum/pressure gauge
- Handheld vacuum/pressure pump with 2" compound gauge and rubber boot
- 12 oz fluid reservoir bottle with fluid transfer and storage Eds, plus fluid pick-up tube
- Kit contains multiple accessories as shown, including tapered manifold plugs, vacuum caps and bleed screw adaptors



YA4000B

YA4008 Power Steering Adaptor Kit (Blue-Point[®])

- Bleeds trapped air from power steering systems by drawing a vacuum through the reservoir fill neck
- Can also be used to test leaks by placing the system under a vacuum and observing change in gauge reading
- Each adaptor is designed to fit snugly in the neck of the power steering reservoir to form an airtight seal when vacuum is applied
- An external vacuum source—such as the YA4000B or SVT270B hand vacuum pump—is required (sold separately)
- Includes (4) adaptors: YA4008-1 (Ford[®]), YA4008-2 (GM[®]), YA4008-3 (universal) and YA4008-4 (right angle)



YA4008

YA4008-1

YA4008-2

YA4008-3

YA4008-4

YA4008-1 Adaptor (Blue-Point[®])

- Adaptor for Ford[®] Vehicles

YA4008-2 GM[®] Vehicles Adaptor (Blue-Point[®])

- Adaptor for GM[®] vehicles

YA4008-3 Universal Adaptor (Blue-Point[®])

- Universal style adaptor to fit a variety of pump reservoirs

YA4008-4 Right Angle Adaptor (Blue-Point[®])

- Used where there is limited clearance above the filler hole area

SVT270B¹ Vacuum Test Kit

- Diagnostic aid for checking operation of vacuum-activated actuator
- Measures vacuum up to 30 Hg with an easy-to-read gauge
- Release valve controls the release of vacuum
- Ergonomic design is durable for everyday use
- Includes hose, cone adaptor, large cone adaptor and cup



SVT270B

BRAKE: LATHE ACCESSORIES

Silencers

BDT80 Silencer Band

- For passenger car/light truck drums
- 1-3/4" width

BDT69 Silencer Band

- Use for ventilated rotors
- Fits a maximum diameter of 9"

BDT96-2 Silencer Band

- Includes (2)
- For non-vented rotors 6-1/2" (165 mm) diameter

BDT94-2 Silencer Band

- For non-vented rotors 9-1/4" diameter

BDT980 Spring Silencer Assembly

- For ventilated rotors



BDT80



BDT69

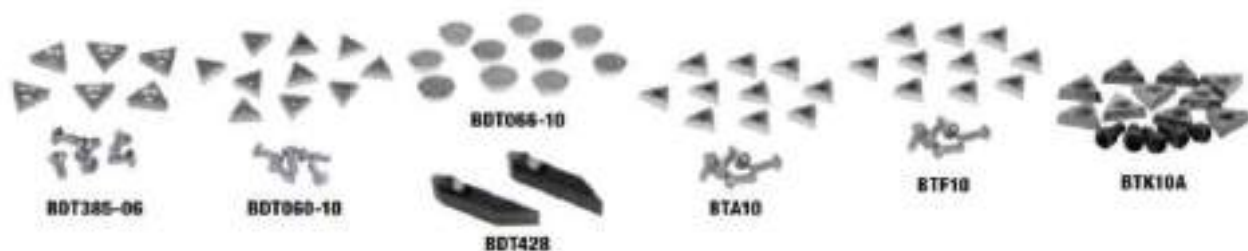


BDT94-2



¹ These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details. * Read Safety Precautions on pages W1-W4.

BRAKE: LATHE ACCESSORIES



Carbide Insert Bit Kits

BDT103-06 Positive Rake Carbide Bits (6 pk)

- Use for EEBR310A, EEBR312A and Ammco® brake lathes

BDT385-06 6 pc Carbide Bit Kit

- Includes (6 pc) with locking screws
- Optional for Snap-on® EEBR308A brake lathes

BDT063-10 Negative Rake Carbide Bits (10 pk)

- Use for EEBR309A, EEBR312A and Ammco® brake lathes

BDT060-10 Positive Rake Carbide Bits (10 pk)

- Use for Accu-Turn® brake lathes

BDT066-10 Positive Rake Carbide Round Tool Bits (10 pk)

- Round tool bits for AMMCO940630 tool holder

BDT069-10 Positive Rake Carbide Inserts for Pro-Cut On-The-Car Brake Lathes (10 pk)

- Positive rake cutting bits for Pro Cut brake lathes

BDT428 Positive Rake Round Tool Holder Set

- RH and LH used with EEBR308A, EEBR309A and EEBR312A for AMMCO940610 tool bits

BDT903-1-10 Replacement Tip 1/32" Radius (10 pk)

- Fits EEBR301A lathes
- 11° clearance with 1/32" corner radii

BTA10 Carbide Bit (10 pk)

- For Ammco® models 3000, 4000, 4100, 6900, 7000, and 7700 disc rotor lathes

BTF10 Carbide Bit (10 pk)

- Use for all FMC® lathes

BTK10A Carbide Bit (10 pk)

- For all Kwik-Way® lathes with replaceable insert feature as well as older Snap-on® lathe models (YA282, YA278A and YA277 series)

BRAKE: BLEEDER KITS

Vacuum-Type Brake Bleeders

Brake Bleeder Kits

- Uses compressed air to generate deep vacuum to bleed old fluid and air from hydraulic brake systems
- Fast, efficient, one person vacuum bleeding
- Works with all braking systems
- Generates 25 in Hg vacuum with air pressure of 100 PSI
- Specially formulated seals allow unit to be used with a variety of fluids
- On/Off valve and flow regulator
- Unit can be sealed when not in use to prevent spillage
- Quick-release, locking trigger and safety shutoff valve
- Overfill check valve
- Compact design fits under wheel well
- 19-1/2" (500 mm) suction hose
- Universal fitting holds securely on bleed screw
- BB5002A automatically keeps the reservoirs filled to the correct level and fits virtually all master cylinders

BB9018 Vacuum Brake Bleeder

- Fast, efficient, one-person vacuum bleeding
- Works with all braking systems
- Larger 3 pint (1.8 l) container

BB9018KIT 1.8 L Brake Bleeder Kit

- Kit includes BB9018 (1.8 l) and BB5002A (592 ml container)

BB9008 Vacuum Brake Bleeder

- Standard 1.7 pint (800 ml) container
- Uses compressed air to generate deep vacuum to bleed old fluid and air from hydraulic brake systems
- Fast, efficient, one person vacuum bleeding
- Works with all braking systems

**BB9008KIT 800 ml Brake Bleeder Kit**

- Kit includes BB9008 Brake Bleeder and BB5002A Refiller

BB5002A Auto Refiller Bottle

- Automatically keeps reservoir filled to the correct level
- 20 fluid oz (592 ml) container
- Retaining clip for positive attachment
- Compact design fits under hood
- Positive venting system supplies continuous flow
- Fits virtually all master cylinder reservoirs; can be sealed when not in use to prevent spillage
- On/Off valve

BRAKE: BLEEDER KITS

Master Cylinder Pressure Cap

YA8925² Master Cylinder Pressure Cap (Blue-Point[®])

- M45 x 3.50 thread adapts to fluid reservoir, and 1/4"-18 and 3.5 mm thread for pressure bleeder
- For Mercedes-Benz[®], BMW[®], Audi[®] and Porsche[®]



YA8925

Non-Diaphragm Type Brake Bleeder

BB100C² Non-Diaphragm Type Brake Bleeder (Blue-Point[®])

- 1-gallon capacity
- Self-contained, hand-pressurized pump
- More than 10' of hose with shut-off, pressure gauge and quick coupler
- Uses standard brake bleeder adaptors (optional)
- Use only D.O.T. 3 or D.O.T. 4 automotive brake fluid



BB100C

BRAKE: SERVICE TOOLS

General Service Sets

BCS70A 7 pc Disc Brake Caliper Driver Set

- Includes (4) 3/8" drive standard hex bit sockets (1/4, 5/16, 3/8" and 8 mm), (1) 3/8" drive TORX[®] (T40) standard bit socket and (2) 3/8" drive TORX[®] (T45 and T50) heavy-duty removal bit sockets
- For US vehicles (except Chrysler[®])



BCS70A

BTK5 5 pc General Brake Service Set

- Includes (1) brake spring pliers, (1) brake adjusting tool, (1) brake bleeder wrench, (1) 1/4" drive spring cap socket and (1) 1/4" drive soft grip driver



BTK5

BTK7A 7 pc General Brake Service Set

- Includes (2) brake spring tool, (3) bleeder wrench and (2) brake adjusting tool



BTK7A



- Read and follow safety messages in the instructions.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use "cheater bars" as adjusting tools.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages R1-R2 for details.
- Read Safety Precautions on pages W1-W4.

BRAKE: BLEEDER KITS



Pressure-Type Brake Bleeders

BB71165¹ Quick-Flow Pressure Brake Bleeder Kit

- Simplifies brake bleeding for an individual technician
- Large (2.5 L), easy-access bladder for quick changeover of different brake fluids
- Extra-long, braided, high-pressure quick-connect hose provides the ability to reach a vehicle while elevated on a lift
- Includes fluid collection container and the most popular adaptors; ready for use right out of the box
- Extremely safe construction
- Operates on standard shop air
- First Snap-on[®] branded pressure brake bleeder
- Kit with custom cap adaptors and quick couple fittings provides optimum set up time offering time-savings over vacuum system set up
- Pressure brake bleeders have a fluid reservoir so there is no need to monitor and top off fluid level in the master cylinder during the bleeding process
- Using pressure bleeding, the bleeder is connected to the master cylinder; the vehicle is raised once only to complete bleeding procedure to all four wheels
- Using pressure applied to the master cylinder provides a smooth even flow of fluid leaving the bleeder fitting into the collection container making it visibly very easy to determine when all air and old fluid is clear of the system and certainty that brake function will be correct
- Pressure bleed systems have a higher initial price due to the requirement of cap adaptors; initial increase in cost is offset over time by productivity efficiencies gained from utilizing a pressure bleeding system
- Custom made pre-set pressure regulator; eliminates any risk of operator accidentally over pressurizing system; designed to dump pressure to atmosphere in the event of pressure control diaphragm failure; balanced supply and downstream ports provide controlled flow rate for optimum over pressure prevention
- Custom Pressure Relief Valve: pre-set to max 25 PSI relief pressure; diameter of relief valve ports is more than double the size of pressure regulator supply port ensuring over-pressure can not occur

BB71162¹ QuickFlow Pressure Brake Bleeder Kit

- Lightweight and portable
- Internal bladder design
- Operates on shop air
- Pre-set pressure regulator
- Includes (3) master cylinder adaptors

BB71160¹ QuickFlow Pressure Brake Bleeder

- Internal Bladder
- Light weight and portable
- Operates on shop air
- Pre-set pressure regulator
- Safety pressure relief valve

BB71167¹ Collection Container

- Use to collect waste fluid during bleeding
- Clear tube with rubber fitting
- Hanging hook

BB17001¹ Pressure Bleed Cap Adaptor #1**BB17002¹ Pressure Bleed Cap Adaptor #2****BB17003¹ Pressure Bleed Cap Adaptor #3****BB17004¹ Pressure Bleed Cap Adaptor #4****BB17005¹ Pressure Bleed Cap Adaptor #5****BB17006¹ Pressure Bleed Cap Adaptor #6****BB17007¹ Pressure Bleed Cap Adaptor #7****BB17008¹ Pressure Bleed Cap Adaptor #8****BB17009¹ Pressure Bleed Cap Adaptor #9****BB17020¹ Adaptor Storage Case**

BB300B21



BRN-47G

Diaphragm-Type Brake Bleeder Adaptors

BB300B21 Pop-off Valve**BRN-47G Brake Bleeder Adaptor**



Brake Spring Tools

BST103R[†] 3 pc Magnetic Brake Retainer Spring Tool Set

- Three most popular brake spring retainer tools sold as one encompassing kit
- Magnets conveniently hold brake spring retainer and spring while installing brake shoes
- O-ring provides grip when trying to align retainer with holder pin

BST6[†] 3/4" Magnetic Brake Retainer Spring Tool BST56[†] 5/8" Magnetic Brake Retainer Spring Tool BSTB[†] 7/8" Magnetic Brake Retainer Spring Tool

- Used on most drum-style brakes on Isuzu[®] NPRs to depress the brake spring
- Mechanical advantage allows for ease of use when removing the spring and pin
- Ergonomic Instinct[®] handle for improved grip and comfort
- Made in USA

BT27 Single Spring Brake Tool (Blue-Point[®])

- Tool releases tension on both large and small GM[®] single spring brakes during servicing
- Large spring applications: 2005 and later Chevrolet[®] Silverado[®], 2004 and later Chevrolet[®] Colorado[®]
- Small spring applications: 1991 and later GM[®] H body (Bonneville, LeSabre and Delta 88), 1992 and later GM[®] C and U body (Buick[®] Electra[®], Oldsmobile 88, Cadillac[®] Fleetwood and Deville, Chevrolet[®] Lumina APV, Pontiac[®] Tran Sport and Oldsmobile Silhouette) and 1995 and later Chevrolet[®] Lumina and Chevrolet[®] Monte Carlo

BT11 Brake Spring Tool

- Services Bendix[®] brake springs and any spring attached to post
- Socket end removes and hook end replaces
- 9-3/4" long

131A Brake Spring Pliers

- Removes or replaces Bendix[®], Lockheed Martin[®] and other hydraulic and mechanical brake springs
- Steel hook on jaw is replaceable
- Handles provide socket type spring remover and hook end replacer
- 13-1/4" long

31-3B Replacement Hook

- Replacement hook for 131A brake spring pliers

S6118A 1/4" Drive Spring Cap Socket

- 1/4" drive double-ended socket designed for subcompact brake spring on one end and larger US cars and light trucks on the other
- Industrial finish

BT19A Heavy-Duty Brake Spring Tool (Blue-Point[®])

- Heavy-duty design
- Remove or install import and US brake springs with or without anchor pins
- Maximum wire I.D. is 1/4", overall length is 8-7/8"

B1356E Brake Retainer Spring Tool

- For use on 3/4" retainer spring caps found on most newer vehicles

BT15 Brake Spring Remover

- For removing brake springs on full-size cars and pickups with drum-style brakes
- Industrial finish

BT17A Retainer Spring Tool

- For use on 5/8" dia. retainer springs found on most newer vehicles
- Industrial finish
- 8-15/16" long

BT10 T-Handle Brake Spring Tool (Blue-Point[®])

- Easily relieves tension on single spring brakes for GM[®] vehicles
- Offers an easy way to remove single brake springs, so that brake shoes, emergency brake cables or brake cylinder can be serviced
- Hook grabs the spring while the tool point acts as a fulcrum to pry the spring free

BT20 Brake Spring Tool for Toyota[®] Vehicles

- Special tip is designed to engage the shoe hold down spring cup on Toyota[®] vehicles
- Manufactured from special alloy steel and heat-treated for optimum strength and durability
- For rear parking brake springs on 2000-current Tacoma[®], Tundra[®], FJ Cruiser[®], 4Runner[®], Land Cruiser[®] and Camry[®]

Colors Available



* R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Read and follow safety messages in the instructions.
- † These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W2.

BRAKE: SERVICE TOOLS



GA3634

Dial Test Indicator Sets

GA3634 Ball Joint/Disc Brake Test Indicator Set

- Indicator with 0–1" range and .0005" graduations
- Easy-to-read white on black dial face
- Uses locking pliers and a flexible gooseneck for non-magnetic applications and difficult areas
- Ideal for brake and undercar work



DG530

Brake Drum/Rotor Gauges

DG530 Digital Drum Gauge

- Measures automotive and heavy-duty brake drums
- Pointed anvils and 4-1/4" long arms allow increased measurement accuracy and coverage
- Selectable depth stops for easier use
- 6–20.65" (150–515 mm) range; .0005" (.01 mm) graduations



RG430A

RG430A Digital Rotor Gauge (Blue-Point®)

- Measures brake rotors and ball joints
- Pointed anvil and 3-1/2" long arms for increased measurement accuracy and coverage
- Selectable depth stops for easy use
- 0–5-1/2" (0–140 mm) range; .0005" (.01 mm) graduations
- Easy to read digital display with inch/metric conversion



CAL6EBR

CAL6EBR 6" Electronic Brake Rotor Caliper

- Specifically designed for performing inspection work on brake rotors
- The pointed contact enables a user to accurately locate the deepest pits on a brake rotor
- Having the most accurate dimensions prevents over-machining the brake rotor during the reconditioning process
- Tool has range that a micrometer cannot handle (large rotors in the heavy-duty truck market and large agricultural machinery)
- The long jaws enable measurements deep into the rotor to achieve a clear profile of the rotor surface



BTGHD9

Truck Brake Tools

BTGHD9 Heavy-Duty Brake Lining Gauge

- Accurately confirm brake lining thickness for customers and DOT inspections sheets
- Gauge tool consisting of 9 blades of different sizes ranging between 6–22 mm (0.24–0.87")
- Made of durable stainless steel with both the standard and metric sizes laser-etched on the face



BCT1050

Emergency Brake

BCT1050 Parking Brake Cable Coupler Removal Tool

- Used on light duty trucks, SUVs and vans with drum or disc brakes
- Cushioned grips for comfort
- Heat-treated for durability
- Angled head for accessibility
- Overall length is 14" for adequate leverage
- Use to safely separate the mid-cable coupler from the cable end
- Use on Ford®, GM®, Dodge® light trucks, SUVs and vans from the late 1980s to current

Truck Brake Adjusting Tools

S9523 Brake Adjuster

- Star nut turning tool for Chevrolet® trucks with overload springs
- Different angles at each end of tool for clearance
- Blades are 17/32" wide; tool is 5-1/4" long

B1468 Brake Adjuster

- For use on GMC® and Chevrolet® 1-1/2 and 2 ton trucks
- Tips on each end are bent 45° and then twisted 45° to allow access to brake-adjusting mechanism
- 9-1/4" long

BT4651[†] Brake Slack Adjuster, Rockwell Style (For Heavy-Duty Trucks)

- 5/16" double square configuration
- Automatic slack adjuster tool set includes offset, reversible automatic release tool
- Release tool slides under the button of the pull-pawl on the automatic slack adjuster until fully seated while the wrench is used to adjust the brake-to-drum clearance
- Screwdriver handle for performance and comfort

HSA716[†] Slack Adjuster Wrench

- For brake service and slack adjuster installation on heavy-duty trucks equipped with Haldex® automatic slack adjusters
- Used to turn the manual adjuster hex
- Extra-deep 7/16" hex allows reach to recessed adjusters
- 14-5/8" overall length helps to overcome the anti-reverse mechanism
- Turn over to reverse
- Protective vinyl boot helps to keep contaminants out of the ratchet mechanism for extended tool life

BSA916[†] Slack Adjuster Wrench

- For brake service and slack adjuster installation on heavy-duty trucks equipped with Bendix® automatic slack adjusters
- Used to turn the manual adjuster hex
- Extra-deep 9/16" hex allows reach to recessed adjusters
- 14-1/2" overall length helps to overcome the anti-reverse mechanism
- Turn over to reverse
- Includes a protective vinyl boot



S9523



B1468



BT4651



HSA716



BSA916



S9153B



B1462A



B3404B



B1461



S5912



S6004



S6005

Automotive Brake Adjusting Tools

S9153B Brake Adjuster

- Designed to work around obstructions on GM® vehicles
- Blades are 1/2" wide; tool is 7-7/8" long

B1462A Brake Adapter

- For rear brakes of those cars and trucks with trailing arm bolts
- Tang at each end is set at 68°, but in opposite directions for use on left and right hand sides
- 8-1/2" long

B3404B Brake Adjuster

- For Bendix® self-adjusting brakes and other brakes with star adjusting nut (except Chevrolet®)
- Blades are 17/32" wide with 1/32" tip thickness
- 8-3/16" long

B1461 Brake Adapter

- One end has a wide tang set at a 29° angle for rear brakes; other end is set at a 45° angle for front brakes
- 8-1/4" long

S5912 Brake Adjuster

- For use on VW®, Mazda®, Omni and Horizon
- Each tang tapers to a 1/4" tip width
- One tang is straight; other is offset 45°
- 8-1/2" long

S6004 Brake Adjuster

- For use on 1969 and later Toyota® when self-adjusting brakes are being dismantled

S6005 Brake Adjuster

- Similar to S6004
- For use on 1969 and later Toyota® when a complete dismantling of the self-adjusting brakes is required
- One end is angled at 60°; other end features a special offset
- Each tang tapers to a 1/4" tip width
- 5-1/4" long



• Read and follow safety messages in the instructions.

†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.

• Road Safety Precautions on pages W1-W4

BRAKE SERVICE TOOLS



BTCP1



BTCP400



BTCP500



BTCP25A



BTCP600



BTCS1

Disc Brake Tools

BTCP1 Brake Caliper Press (Blue-Point®)

- Works on both fixed and floating calipers
- Generates more than 1,600 ft-lb of force to retract the toughest caliper pistons
- Single-lever mechanism used to apply and release force for ease of operation and faster service
- Prevents damage to pistons, hubs or calipers
- Ensures parallel piston retraction on dual and quad piston calipers
- Easy left- and right-side use

BTCP400 Small Brake Caliper Press

- Ratcheting mechanism allows for fast and easy retraction of single and multiple piston calipers
- Acme threaded rod spreads pads quickly with less ratchet swings
- Offset press plates permit tool to retract to a minimum .328"
- Compact vehicles, motorcycles and motor sport vehicles
- Will also work on most vehicles with standard non-wind back brake pistons, such as: Fiat 500®/Abarth®; Ford® Fiesta®; BMW® 3 Series®; Chevrolet® Impala®, Malibu®, Audi®, Porsche®, VW® rear calipers; Mitsubishi® Eclipse®, Lancer®, Lancer Evolution®; Toyota®, Scion®, Celica®, Yaris®; Honda® CBR®/CR®, Harley-Davidson®, BMW®, Yamaha®, Kawasaki®, Suzuki®, Triumph® motorcycles

BTCP500 Brake Caliper Press (Blue-Point®)

- Works on twin and quad piston fixed calipers as well as single and twin piston floating calipers
- Centrally located ratchet evenly spreads force in a parallel manner to prevent misalignment of pistons
- Ratchet technology gives a full 360° swing
- Extended reversing lever allows for easy change from spreading to retracting

BTCP25A Brake Caliper Press

- Services vehicles with single and twin floating, twin piston fixed and quad piston fixed calipers
- Operating lever upgraded to heavy-duty forged steel
- Use to press brake caliper pistons for pad replacement
- Ensures parallel piston retraction to prevent damage to piston and seal
- Press plates rotate 180° for efficient operation on both left and right applications
- Heavy-duty design—all heavy load components manufactured from heat-treated tool steel for maximum strength
- Large 12 mm shaft diameter is heat-treated to prevent distortion or damage under heavy load
- Compression ratio of 15-to-1 provides output of 440 lb of force by just applying 28 lb of force with your hand
- High-strength, lightweight polymer housing offers high impact resistance

BTCP600 Brake Caliper Press

- Newly designed plates allow for use on small single-caliper pistons found on light-duty trucks and medium-duty commercial vehicles
- Plates are 2-1/2 x 5-1/2", designed with unique geometry that allows the tool to be used on small and mid-sized vehicles all the way up to medium-duty commercial trucks
- Fine-tooth wheel allows increased 6.6° of swing arc allowing for increased accessibility
- Threaded parts are 3/4" on the male threads and 1-1/8" on the female side adding significant strength
- Works on single-, dual-, and quad-piston calipers; has a total spread of 1-3/4"
- Has a minimum spread of 1" and maximum spread of 3-1/4"

BTCS1 1/2" Drive 17 mm Subaru® Caliper Bolt Impact Swivel Socket

- Impact-rated swivel socket
- Designed to clear suspension components on various Subaru® front caliper bracket bolts, allowing for the use of a 1/2" drive impact gun

Disc Brake Tools

| Stock No. | Size, mm | Finish | Description | A | B | C | D |
|-----------|----------|--------|--|------|------|------|---------|
| FTSM4E | 4 | Chrome | 3/8" Drive Metric 4 mm Standard Triple Square Bit Socket | 46.6 | 21.6 | 17.2 | FTSM4E2 |

FTSM4E 3/8" Drive Metric 4 mm Standard Triple Square Bit Socket

- Use on VW®/Audi® door handle screws 1998–later, brake drum fasteners on VW® Touareg® plus many other 4 mm and 5 mm triple square applications
- 48.5 mm overall length

YA8610B¹ Universal Brake Caliper Tool Set (Blue-Point®)

- Assists in replacement of brake pads on most four-wheel disc brake cars
- Tool and adaptors position brake piston back into caliper to allow clearance for newer, thicker brake pads
- Designed for most Audi®, Chrysler®, Ford®, GM®, Honda®, Jaguar®, Mazda®, MINI Cooper®, Mitsubishi®, Nissan®, Saturn, Subaru®, Toyota®, VW® and Volvo® vehicles
- Set includes (1) tool and (6) adaptors in a storage case

YA8610B-7¹ Brake Caliper Tool Adaptor (Blue-Point®)

- Use on Mazda® 3 (2004 and newer), Mazda® 5 (2006 and newer), Mini Cooper® (all 2002 and newer), Volvo® S40® (2004-1/2 and newer), Volvo® V50® (2006 and newer), Volvo® C30® (2007 and newer), Pontiac® Solstice (2006 and newer), Saturn Sky (2007 and newer) and Jaguar® X type (2006 and newer)

YA6730¹ Brake Caliper Tool Set (Blue-Point®)

- Combines the main body from the YA8610B set and the YA8610B-7 adaptor

YA2440 Pad Spreader (Blue-Point®)

- For use on most US and import cars and light duty trucks with single piston disc brakes without parking brakes
- Compresses the disc brake piston for easy pad installation

GA395A¹ Pad Spreader (Blue-Point®)

- Repair kit for FXKL Series Extensions

YA9329A Piston Rotation Tool (Blue-Point®)

- Use to rotate piston back into caliper cylinder when replacing pads
- Also rotates parking brake cylinder back into the caliper cylinder on vehicles with four-wheel disc brakes
- For 1975 and later Ford®, Mercury® and some import vehicles

BT350A Brake Piston Press (Blue-Point®)

- Presses single or dual pistons most cars, light and heavy-duty trucks
- Quick and easy to use—no nuts or bolts involved in pressing operations

BTG8 8 pc Brake Pad/Shoe Gauge Set (Blue-Point®)

- Includes eight different testing blades of various colors and thickness: red 2 mm (0.0787"), red 3 mm (0.1181"), yellow 4 mm (0.1575"), yellow 5 mm (0.1969"), yellow 6 mm (0.2362"), green 8 mm (0.3150"), green 10 mm (0.3937") and green 12 mm (0.4724")
- Color-coded gauges: red indicates service required, yellow indicates caution and green indicates OK
- Constructed from 20-gauge sheet metal with durable powder-coat finish

BTG9 Combination Brake Lining Thickness Gauge Set (Blue-Point®)

- Offset tips are designed to check both straight on or at a 90° angle to the rotor
- Gauges can be used without removing the wheel or caliper assembly on many applications
- Brake lining gauges identify thickness levels for brake lining inspection
- Made from durable, flexible acetal
- Gauges are color coded to match SAE or metric recommendations for brake pad replacement

BTGHDP9 9 pc Heavy Duty Brake Gauge Set

- Gauge sizes are 6, 8, 10, 12, 14, 16, 18, 20 and 22 mm
- Designed to check both straight on or at a 90° angle to the rotor with offset tips so that the gauges can be used without removing the wheel or caliper assembly on many applications
- Brake lining gauges identify thickness levels for brake lining inspection
- Made from durable, flexible acetal



FTSM4E



YA8610B



YA2440



GA395A



YA9329A



BT350A



BTG8



BTG9



BTGHDP9



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use "cheater bars" on prybars.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages N1–N4.

BRAKE SERVICE TOOLS



B1359B



BT518



BT12



BT1360



TAP1

Truck Brake Tools

B1359B Brake Retainer Spring Tool

- For Chrysler® and Ford® 3/4 ton trucks equipped with Bendix® brakes
- U-shaped end is offset 30°-45° for easy removal of brake shoe to backing plate spring

BT518 Brake Shoe Tool

- For large trucks and trailers with air brakes with S cam design
- Provides leverage to back out brake shoe and remove roller cam
- Industrial finish

BT12 Brake Spring Tool

- Services brake shoe retracting springs on trucks using Bendix®, Wagner® and Kelsey-Hayes® systems
- Unique shape permits access and leverage

BT1360 Brake Spring Tool

- Remove brake shoe retaining springs from heavy-duty Ford®, GM®, Dodge® and International® trucks
- Large, comfortable handle
- Constructed for strength and durability

TAP1 Truck Anchor Pin and Bushing Press

- Designed to remove brake anchor pins and bushings on 16-1/2" Q type S-cam tractor and trailer brake systems from Dana®-Spicer®, Arvin Meritor® (Rockwell®), Eaton®, Timkin and Fruehauf® without removing wheel hub
- Pressure pad retaining rings hold pads firmly in place
- Two-hand operation
- Interchangeable pressure pads allow removal of bushing alone or simultaneous pin/bushing removal
- Zerk grease fitting lubricates and flushes dirt from pressure screw for long life
- Designed for use with 3/4" impact guns
- Includes storage case



B240B



YA2780



B370

Throttle Depressors/Brake Resetting Gauges

B240B Brake and Accelerator Pedal Jack (Blue-Point®)

- Holds throttle at a constant RPM
- Easily adjusts to desired length
- Adjustment screw fine-tunes desired RPM
- Rubber tip keeps the tool firmly positioned
- Overall length of 40" (102 cm)
- Can also be used as a pedal depressor

YA2780 Brake Resetting Gauge (Blue-Point®)

- Automatically sets brake shoe size when measuring against drum walls
- Positive locking section ensures an accurate reading every time
- Improved range of 6-1/2"-13-1/4"

B370 Throttle Depressor

- Attach to steering wheel to depress gas pedal
- Innovative design allows for easier fine tuning of the RPMs for cylinder balancing, tune-ups and more
- Fine tuning is done with slide knob to reduce the walking of the rod
- Made in the USA



SIML160



SIML180



BR1



BR2

Emergency Brake

SIML160 1/2" Drive 6-Point SAE 1/2" Flank Drive® Extra-Deep Impact Socket

- Used to remove or replace fuel tank retaining strap nuts
- Other applications include emergency brake adjustment nuts and stabilizer retainers
- 1/2" square drive; 1/2"; 6-point hex opening
- 5" long

SIML180 1/2" Drive 6-Point SAE 9/16" Flank Drive® Extra-Deep Impact Socket

- Same design as SIML160, except hex size is 9/16"

BR1 C-Ring Pliers (Blue-Point®)

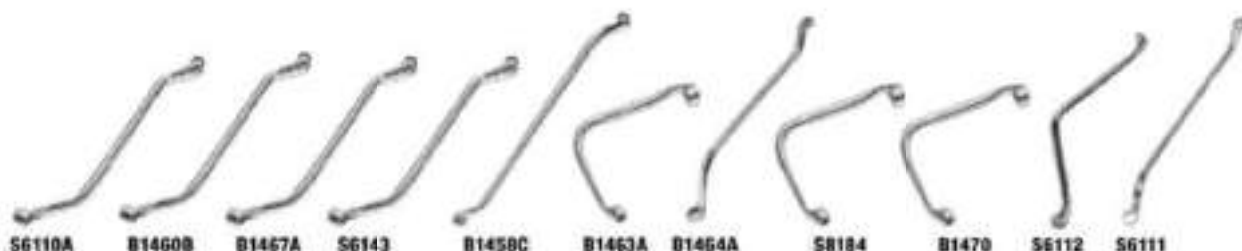
- Opens the C-ring on the emergency brake actuation lever when changing rear brake shoes on many US cars, trucks and imports

BR2 C-Ring Pliers (Blue-Point®)

- Holds the C-ring without slipping during installation



BBW1270



S6110A

B1460B

B1467A

S6143

B1458C

B1463A

B1464A

S8184

B1470

S6112

S6111

Bleeder Wrenches

BBW1270² 3 pc Brake Bleeder Wrench Set

- Special design features accommodate caliper-mounted electromechanical parking brakes
- Designed to work without removing wheels
- Easily accesses difficult-to-reach 11 mm bleeder screws
- The varied geometry of BBW1271, BBW1272 and BBW1273 Brake Bleeder Wrenches provides easy access to most 11 mm brake bleeder screws on all vehicle makes and models

BBW1271¹ Brake Bleeder Wrench

- For use on BMW[®] vehicles

BBW1272¹ Brake Bleeder Wrench

- For use on Volkswagen[®] vehicles

BBW1273¹ Brake Bleeder Wrench

- For use on Audi[®] vehicles

S6110A Bleeder Wrench

- Use for GM[®], Nissan[®] and Honda[®] vehicles
- 8 mm, 6-point box end; 10 mm on the other
- Ends are offset for clearance
- 7-9/16" (192 mm) long

B1460B Bleeder Wrench

- 3/8" box end for brake bleeding work and a 7/16" box end for brake shoe eccentric bolt adjustment
- Offset clears drag link arm and recessed backing plate on front wheel
- 9-1/2" long

B1467A Bleeder Wrench

- For GM[®], Ford[®] and Chrysler[®] vehicles
- 5/16 and 3/8" single hex box ends are offset for access to bleeder fittings
- 8-1/2" long

S6143 Bleeder Wrench

- For most imports
- 7 mm and 9 mm, 6-point box ends are offset for clearance
- 252 mm long

B1458C Bleeder Wrench

- Includes 1/4" and 3/8" single hex box ends
- 9" long

B1463A Bleeder Wrench

- 1/4"-3/8", 6-point box ends are tapered for clearance
- 3-3/4" long arms (for smaller bleeder fittings on most compact cars)

B1464A 9-11 mm 6-Point Flank Drive[®] Brake Bleeder Wrench

- Ends are offset for extra clearance and length (9.28"/235 mm) allows for extended reach
- Manufactured from special alloy steel, precision forged, and heat-treated for optimum strength and durability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean

S8184 Bleeder Wrench

- For fittings on most GM[®] vehicles
- 3/8" and 5/16", 6-point box openings
- 4" long arms

B1470 Bleeder Wrench

- For late model GM[®] and most import vehicles
- 8 mm, 6-point box end; 10 mm on the other
- Wrench has a 90° bend for access
- Arms are approximately 100 mm long

S6112 Bleeder Wrench

- For some GM[®] and Toyota[®] vehicles, plus select imports
- 8 mm, 6-point box on one end; 10 mm on the other
- Wrench has 90° bend for access
- Arms are 130 mm long

S6111 Bleeder Wrench

- Covers 90% of late-model US applications including late-model Chrysler[®], Dodge[®], Ford[®], GM[®], Audi[®], Mercedes[®] and VW[®] vehicles
- 10 and 11 mm 6-point Flank Drive[®] wrenching configuration
- Ends are offset for extra clearance
- 9-1/4" long



WARNING



†These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
• Read Safety Precautions on pages W1-W4

BRAKE SERVICE TOOLS



BRHC2PK



BTPUCK2



BTPUCK3



FTSM5E



FTSM6E

Disc Brake Tools

BRHC2PK[®] Kit, Brake Rotor Holding Clips, 2 pc

- Allows for easy reinstallation of brake caliper, caliper bracket and pads
- Stabilizes the rotor to the hub
- Ergonomic grip for ease of use
- Clips made of hardened steel
- Includes (2) clips

BTPUCK2 Two Pin Brake Piston Tool

- Universal and adjustable twin pin brake caliper piston resetting puck eliminates need for 15 or more different sized pucks to service brakes on a vast majority of vehicles on the road today
- Fully adjustable rotating body dials in the twin pins distance (center to center) for easy insertion into brake caliper piston face slots
- Slim-profile allows for easy access and quick service of narrow and/or micro-type calipers
- Services nearly every wind-back brake caliper piston with 2 or 4 faced slots
- Easily works with a 3/8 ratchet or any Wind-back type tool
- Exclusive rotating lock secures the twin pin spread/stroke, maintaining perfect fit every time

BTPUCK3 Three Pin Brake Piston Tool

- Pins fully adjust and mate up to bores on brake piston surface
- For use on vehicles that have a disc brake caliper equipped with a singular piston and the emergency/parking brake system is incorporated within this brake caliper housing
- Tool resets the brake piston on calipers equipped with an Electric Parking Brake (EPB); not applicable to multi-piston calipers
- 3 Pin Puck for Audi[®] equipped with EPB

FTSM5E 3/8" Drive Metric 5 mm Standard Triple Square Bit Socket

- Special alloy steel provides the highest match of strength and durability
- Nickel-chrome plating provides corrosion resistance
- Applications:
 - Use on typically difficult to remove differential fill plug on 1988 to present various BMW[®] 3 and 5 Series vehicles

FTSM6E 3/8" Drive Metric 6 mm Standard Triple Square Bit Socket

- Use to remove seat hold-down nuts on 1999 and later GM[®] full-size pickup trucks; also for use on VW[®] disc brake calipers



CPP16A

Truck Brake Tools

CPP16A[®] Extended Heavy-Duty Clutch Pin Punch

- Overall length of 16" to access and perform routine maintenance on recessed and hard-to-reach roll pins
- Newly designed hardened tip increases product durability while reducing chances of breaking from repeated impact
- Striking end of pin extends 1/4" to protect handle from being damaged when in use
- Snap-on[®] Instinct[®] soft handle for improved grip, comfort and turning power
- Constructed of hardened steel; made in the USA

Three Arm Honers and Stone Sets (Blue-Point®)

| Stock No. | Grit | Length, inches | Type |
|-----------|---------|----------------|-----------|
| CF63A-100 | 100 (3) | 1-5/8 | Stone Set |
| CF63A-240 | 240 (3) | 1-5/8 | Stone Set |
| CF63A-400 | 400 (3) | 1-5/8 | Stone Set |



CF63A¹ Three Arm Hone (Blue-Point®)

- For 3/4–2-1/2" dia. cylinders
- Adjustable thumb nut to control tension

BODY: UNIBODY AND FRAME-STRAIGHTENING EQUIPMENT

Pullers (Body)

CJ107 Body Dent Puller

- Slide hammer action pulls out dent for filling
- L-hook included for larger jobs
- 4 lb slide hammer

CJ114¹ Puller, Body Dent, 3 lb Slide Hammer (Blue-Point®)

- Mainly for rocker, quarter, back and door panels
- Includes screw for puncturing sheet metal with a bodyman hook and seal hook for larger jobs
- 3 lb slide hammer

YA2002 Quarter Panel Puller (Blue-Point®)

- Removes dents from rear quarters and wheel wells
- Two 12" tubes (with different dimensions) fit most wheel well openings
- Use with chain attached to frame machine or portable power unit

CJ1200¹ Puller Set, Slide Hammer (Blue-Point®)

- Contains a 12 lb, contour-formed slide hammer and a variety of attachments for auto body repair work



Alignment Bar

BM175 Alignment Bar (Blue-Point®)

- Use to align bumpers, window posts, wheel wells, panels, hoods, decks and brackets
- 6', 1/4" chain has hooks welded to each end for easy attachment to body components
- 4-1/2" long, 1-1/2" dia. tubing



BODY: BODY REPAIR

Push-Pull Jack

BM101 Push-Pull Jack (Blue-Point®)

- Capable of 3,000 lb push-pull power
- Aligns, straightens and removes dents
- Multipurpose hook on jack head and a hook on the 55" long friction rod
- Friction rod flexes to maintain constant pressure without bending, while the grooved end prevents slipping
- Three-position handle



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use "cheater bars" on handles.
- Operate hone or recamer only while it is within cylinder.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Procedures on pages W1-W5

BODY REPAIR

Body Repair Kits

The HPR400 and HPR1000 Hydraulic Portable Ram Kits provide the professional technician with components that can be configured to perform the basic tasks of spreading, clamping, pulling, pushing, lifting, pressing, bending, stretching and straightening with the convenience of hydraulic power.

- Hand pumps include a two-speed pump piston for extending the rams to the load quickly
- Gauge is liquid filled for shock resistance and provides user with easy to read force indicators
- Pump handle designed to protect gauge during use
- Release lever for quick opening, closing or for metering fluid flow
- Hydraulic pumps include larger reservoir capacity and sight window for checking fluid level
- Chromed pump pistons inhibit rust and corrosion with dust shields to limit contamination
- Grab handle for easy transporting and positioning
- Larger base feet for better stability during pumping
- Internal spring retracts standard and spreader rams when pressure is released
- Large extension tube diameters and increased wall thicknesses to resist bending



HPR400

- Extension tubes are designed for quick and easy connection with accessories
- Additional short stroke ram to access tight spaces
- Hydraulic hose constructed with double layers of steel wire mesh for longer wear
- Custom designed blow molded cases with wheels and metal closures include easily identified cavities for quick component storage
- Placard inside case lid and adapter icons in case bottom for easy component location and assembly capacities
- ASME[®] PASE[®] 2014 compliant
- Assembled and tested in the USA

| Specifications | HPR400 [†] | HPR1000 [†] |
|--|--|--|
| Case Dimensions, W x L x H, inches (mm) | 17.3 x 25.6 x 6.3 (440 x 651 x 190) | 18.1 x 33.2 x 6.6 (460 x 843 x 168) |
| Extension Tube Lengths, inches (mm) | 3.25 (82.6), 5 (127), 8.5 (218), 18.5 (470), 19.5 (496) | 4.31 (109.5), 10.5 (267), 14.37 (365), 20.5 (521) |
| Hand Pump 2-Speed Capacity, PSIG (kPa) | 7,300 (50.331) | 8,100 (56.847) |
| Hand Pump Overall Dimensions, W x L x H, inches (mm) | 5.62 x 10.3 x 6 (142.7 x 419 x 152.4) | 5.82 x 22 x 6 (142.7 x 558.8 x 152.4) |
| Hose Length, inches (mm) | 72 (1,829) | 72 (1,829) |
| Hose Rating, PSIG (kPa) | 10,000 (68.947)/BP 20,000 (137.895) | 10,000 (68.947)/BP 20,000 (137.895) |
| Kit Capacity, tons (kg) | 4 (3,636) | 10 (9,091) |
| Kit Net Weight, lb (kg) | 54 (24.5) | 91.3 (41.5) |
| Kit Shipping Weight, lb (kg) | 60 (27.3) | 99.4 (45.2) |
| Short Ram Capacity, tons (kg) | 4 (3,636) | 4 (3,636) |
| Short Ram Closed Length, inches (mm) | 1.62 (41) | 1.62 (41) |
| Short Ram Extended Length, inches (mm) | 2.25 (57.15) | 2.25 (57.15) |
| Short Ram Stroke, inches (mm) | 0.62 (15.9) | 0.62 (15.9) |
| Spreader Ram Capacity, Tons (kg) | 1/2 (454.5) | 1/2 (454.5) |
| Spreader Ram Jaw Travel, inches (mm) | 3.62 (92) | 3.62 (92) |
| Spreader Ram Jaws Closed, inches (mm) | 0.5 (12.7) | 0.5 (12.7) |
| Spreader Ram Jaws Extended, inches (mm) | 4.12 (104.6) | 4.12 (104.6) |
| Standard Ram Capacity, tons (kg) | 4 (3,636) | 10 Ton (9,091) |
| Standard Ram Closed Length, inches (mm) | 10.5 (266.7) | 12.75 (323.8) |
| Standard Ram Extended Length, inches (mm) | 15.25 (387.3) | 17.87 (453.9) |
| Standard Ram Stroke, inches (mm) | 4.75 (120.6) | 5.12 (130) |
| Useable Fluid Capacity, fl-oz (ml) | 13 (380) | 22 (653) |

- HPR400[†] 4 Ton Portable Ram Kit
- HPR400-1[†] Pump with Gauge and Hose
- HPR400-2[†] 4 Ton Ram
- HPR400-3[†] 4 Ton Short Ram
- HPR400-4[†] 1/2 Ton Spreader Ram
- HPR400-5[†] 3-1/4" Extension Tube
- HPR400-6[†] 5" Extension Tube
- HPR400-7[†] 8-1/2" Extension Tube
- HPR400-8[†] 16-1/2" Extension Tube
- HPR400-9[†] 19-1/2" Extension Tube
- HPR400-10[†] Male Connector

- HPR400-11[†] Flat Base
- HPR400-12[†] 2 Ton Ram Toe
- HPR400-13[†] 2 Ton Plunger Toe
- HPR400-14[†] Wedge Head
- HPR400-15[†] V-Base
- HPR400-16[†] Serrated Saddle
- HPR400-17[†] 1/2 Ton Rubber Head
- HPR400-18[†] Storage Case 4 Ton Kit
- HPR1000[†] 10 Ton Portable Ram Kit
- HPR1000-1[†] Pump with Gauge and Hose
- HPR1000-2[†] 10 Ton Ram

- HPR1000-5[†] 4-5/16" Extension Tube
- HPR1000-6[†] 10-1/2" Extension Tube
- HPR1000-7[†] 14-3/8" Extension Tube
- HPR1000-8[†] 20-1/2" Extension Tube
- HPR1000-10[†] Male Connector
- HPR1000-11[†] Flat Base
- HPR1000-12[†] 5 Ton Ram Toe
- HPR1000-13[†] 5 Ton Plunger Toe
- HPR1000-14[†] Wedge Head
- HPR1000-15[†] V-Base
- HPR1000-16[†] Serrated Saddle
- HPR1000-17[†] 1 Ton Rubber Head

BODY HAMMERS



Hammers

| Stock No. | Handle Length, inches | Round Face Diameter, inches | Peen End Size, inches | Head Length, inches | Head Weight, oz |
|-----------|-----------------------|-----------------------------|-----------------------|---------------------|-----------------|
| BF603B | 13 | 1-15/32 | 1/16 x 7/16 | 6-1/8 | 12-1/2 |
| BF604B | 13 | 1-5/8 | 5/8 | 5-1/2 | 11-1/2 |
| BF608B | 13 | 1-5/8 | 5/8 x 1/16 | — | 11 |
| BF610B | 13 | 1-7/8 | — | 4-1/4 | 10 |
| BF611B | 12 | 1-15/32 | — | — | 7 |
| BF612 | 12 | 1-15/32 | — | — | 7 |
| BF614B | 17 | 1-5/8 | — | 8-5/8 | 18 |
| BF617B | 13 | 1-7/8 | — | — | 18 |
| BF618B | 12 | 1-9/16 | 3/16 x 7/8 | 5 | 12-1/2 |
| BF629 | 12 | — | — | 2-3/16 | 8-1/2 |
| BF630B | 13 | 1-19/32 | 1/4 x 7/16 | 6 | 12-1/2 |
| BF631B | 13 | 1-7/8 | 5/8 | 5-1/2 | 11-1/2 |
| BF632B | 13 | 1-3/4-1-5/8 | — | 6-5/8 | 16 |
| BF635 | 12 | 1-7/16-1-5/8 | 5/8 x 1-1/2, 5/8 x 2 | 7 | 16 |
| BF636 | — | 1-9/16 | 1/8 x 5/8 | 5-13/32 | 13 |

BF603B Long Spot Pick Hammer

- For bumping when filing or where metal is covered with soundproofing material

BF604B Wide Nose Cross Peen Hammer

- For finishing and caulking

BF608B Short Curve Cross Peen Hammer

- Use under fenders with rolled edges, use finishing face for dinging

BF610B Shrinking Hammer

- Serrated for shrinking and smooth square face for finishing
- Finishing head on other end

BF611B Picking and Dinging Hammer

- Smooths small dents and general dinging

BF612 Compact Body Hammer

- Compact, 1-3/4" head height provides user ability to take a full swing in hard to reach areas

BF614B Long Picking Hammer

- For turret and fender work

BF617B Shrinking Hammer

- Extra large faces for large area work
- Serrated for shrinking and smooth for finishing

BF618B Wide Nose Peen Hammer

- Bumps odd fender contours

BF629 Compact Spot Pick Body Hammer

- Hammer head is reduced to the smallest length possible and has only one tip
- Height and width of the head is slightly increased to maintain mass while providing a hammer that can work in the tightest of areas

BF630B Spot Pick Hammer

- Same design as BF603B except with blunted pick end

BF631B Cross Peen Shrinking Hammer

- Combines pick end of BF604B and serrated face of BF617B

BF632B Door Panel Body Hammer

- For door and body panel bumping
- Smaller diameter head is offset 45°
- Fiberglass handle

BF635 Door Skin Hammer

- For door skin replacement
- Narrow, rectangular faces work in tight flange area
- Fiberglass handle offers excellent balance and high-strength
- Medium crown head with 25° offset and 3-1/2" radius for working on narrow flanges against the door structure
- High crown straight head with 1-5/16" radius for finishing thin sections without poking holes

BF636 Vertical Chisel Shrinking Body Hammer

- Chisel has vertical orientation for improved ergonomics when performing vertical contour work
- Fiberglass handle offers excellent balance and strength
- Cross-hatch hammer face to effectively displace and shrink work surface



Hickory Handles

| Stock No. | Length, inches | Hammers Used On |
|-----------|----------------|--|
| BF603-2R | 13 | BF603B, BF604B, BF608B, BF617B, BF610B, BF630B, BF631B, BF633, BF634 |
| BF611-2R | 12 | BF611B, BF615 and BF618B |
| BF614-2R | 17 | BF614B |

- Do not exceed rated capacity of hydraulic unit.
- Use only for the specific purpose intended.
- Read and follow safety warnings in the instructions.
- Improper use can cause property damage, serious injury or death.
- Improper selection or placement of portable ram equipment can result in sudden brisance or damage.
- Users and bystanders need to stay clear when applying load or when load is applied.

- Do not use chipped, ungrounded, or cracked hammers.
- Strike squarely, avoid glancing blows.
- Do not strike hard surfaces, use only for striking sheet metal.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.



BODY TOOLS SETS



2005BFA



2007BFB

Body Tool Sets

2005BFA Body Tool Set

- Contains C114 body dent puller, BF608B, BF611B body hammers, BF716B dinging spoon and BF711B heel dolly (5 pc) in a plastic storage tray

2007BFB 7 pc Body Hammer Set

- Seven of the most common tools necessary for professional body work: BF716B spoon, BF608B, BF611B and BF617B body hammers and BF710B, BF711B and BF712B dollies in a foam storage tray



BF715B



BF716B

Spoons

BF715B 14" Spoon Dolly

- For caulking and forming deep pockets in doors and panels
- Head size is 2-1/2 x 1 x 3"; 14" total length

BF716B 10" Light Dinging Spoon

- Smooths and levels ridges
- Not for prying
- Head size is 4-1/4 x 2"; 10" total length



BF707



BF710B



BF711B



BF712B



BF740

Steel Dollies

B173.5 -1991 applies to all dollies.

BF707² Heel Dolly (Blue-Point[®])

- For use in sharp corners and wide radii
- Rubber coating provides cushioning effect
- Measures 3 x 2-1/2 x 1-1/2"

BF710B 1.65 lb Steel Toe Dolly

- For dinging flat surfaces
- Measures 4-3/4 x 2-1/4 x 11/16", weighs 1.65 lb

BF711B 2-1/4 lb Steel Heel Dolly

- For use in sharp corners and wide radii
- Measures 3 x 2-1/4 x 1-3/8"; 2.25 lb

BF712B 2-1/4 lb Steel General Purpose Dolly

- For deep, skirted fenders and shrinking when using heat
- Measures 3 x 2-1/4 x 1-3/8"
- 2-1/4 lb

BF740¹ Shot Dolly (Blue-Point[®])

- Heavy-duty leather pouch is filled with 2-1/2 lb of shot
- Essential for supporting irregular shapes and contours on doors, fenders, and other body panels
- Thin profile to get in tight areas
- Will not scratch surface
- Measures 3-3/4 W x 5-3/4" L

SNIPS



AVSNP02000



AVSNP01150



AVSNP01010



AVSNP01030



AVSNP01160



AVSNP01020

Aviation Snips

- Serrated edges help create stable bite and prevent slippage
- Chrome-Molybdenum alloy steel forged blades provide greater strength and durability

- Solid and comfortable handle grips with nonslip design
- High tensional strength spring designed for longer life
- Center fastener provides high-tensile strength and longer life of tool

- Quick and easy spring-free automatic latch design, allows one hand release for better safety and convenience
- Meets ANSI[®] and DIN[®] standards

AVSNP02000 2 pc Offset Aviation Snips Set (Blue-Point[®])

- Includes (2) aviation tin snips, (1) left cut and (1) right cut

AVSNP01150 Offset Aviation Tin Snips, Left Cut (Blue-Point[®])**AVSNP01160 Offset Aviation Tin Snips, Right Cut (Blue-Point[®])****AVSNP01010 Aviation Tin Snips, Left Cut (Blue-Point[®])****AVSNP01020 Aviation Tin Snips, Right Cut (Blue-Point[®])****AVSNP01030 Aviation Tin Snips, Straight Cut (Blue-Point[®])**

SHEARS/CUTTERS

Shop Shears

HDSCISSORS Heavy-Duty Shop Scissors

- For leather, cloth, plastic, rubber, cardboard, gasket material, rope and many other materials
- Ergonomic handles can be used right or left handed
- 11-3/8" length



HDSCISSORS

SNP2A Angled Multipurpose Heavy-Duty Shears (Blue-Point®)

- For leather, cloth, plastic, rubber, cardboard, gasket material, rope and other materials
- Ergonomic handles can be used right or left handed; soft molded grip for comfort and control
- Blade is notched for hard wire and twine
- Locking switch ensures safety during storage
- Control switch allows blades to be held in a tighter position for easier handling
- Angled shears allow easier cutting through flat materials



SNP2A

Vinyl Cutters

YA444B Vinyl Cutter (Blue-Point®)

- Cleanly cuts plastic, rubber, vinyl, upholstery, leather, hoses and rope
- Ergonomic grip handle with safety lock
- Blade storage in handle
- Includes (3) stainless steel replacement blades (YA444B1)

YA444B1 Replacement Blades (Blue-Point®)

- Includes (3) replacement blades and anvil for YA444B vinyl cutter



YA444B

FILES

Nib Files

BF193 Nip File (Blue-Point®)

- Removes unwanted paint runs, drips and other surface imperfections
- Gently shaves run without digging into surface



BF193

Flexible Curved Tooth Files

14V 14" Curved Tooth File, 8 TPI

- 14", eight teeth per inch
- Rough cut
- Use with BF775C Handle

14V12 14" Curved Tooth File, 12 TPI

- 14", 12 teeth per inch
- Fine cut
- Use with BF775C Handle



14V

File Handles

BF775C-A Flexible File Holder (Blue-Point®)

- Light and rigid, with a large aluminum handle, adjustable turnbuckle and permanently attached strap



BF775C-A

File Handles

- Wooden, twist on handles with case hardened threaded steel inserts

GA616 Wooden Twist-On File Handle (Blue-Point®)

- For use on 10T, 10MA, 10HR and 12R files

GA618 Wooden Twist-On File Handle (Blue-Point®)

- For use on 8CT curved tooth file and 14 MA and 16MA files

GA617 Wooden Twist-On File Handle (Blue-Point®)

- For use on 12MA and 12HR files



GA616

BODY: RIVETING AND NUT SETTING

Nut Setting/Thread Setting Kits

HP650 Thread Setter Kit (Blue-Point®)

- Includes a rugged thread setter tool and an assortment of SAE Klik® Poly-Nuts, including (12 ea) of 8-32, 10-24, 10-32; (8) 1/4"-20 and (6) 5/16"-18 threads
- Includes required nosepieces and mandrels for setting the above sizes
- Packaged in a storage case

HP650M Metric Thread Setter Kit (Blue-Point®)

- Metric version of the HP650 with metric Klik® Poly-Nuts, including (25 ea) 4 mm and 5 mm, (15) 6 mm and (10) 8 mm threads
- Includes a thread setter tool, required nosepieces and mandrels packaged in a storage case



HP650M

- Do not use chipped, multi-pointed, or cracked hammers.
- Strike squarely, avoid glancing blows.
- Do not strike hard surfaces, use only for striking sheet metal.
- Use on sheet metal only.
- Follow all safety precautions for welding and cutting.
- These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

WARNING



BODY: RIVETING AND NUT SETTING



HP300



HPKL2



HR-26PKC

Riveting Kits

HP300 Large Blind Riveter Kit (Blue-Point®)

- Extra-long handled riveter
- Includes (3) nosepieces
- Also includes a bag of 50 Klik-Split® rivets

HPKL2 Plastic Rivet Kit (Blue-Point®)

- For plastic rivets that hold fascia strips, inner fenders and other plastic parts on GM®, Ford®, Chrysler® and VW® vehicles
- Includes rivet setter and (4) styles of plastic rivets: (2) 5 mm and (2) 6.3 mm

HR-26PKC Industrial Hand Rivet Tool Kit (Blue-Point®)

- Upper handle is forged Cr-Mo steel alloy
- Anti-wear design with high-strength alloy body and steel insert
- Special shock absorber on alloy body
- Auto-ejection design for quickly replacing the inside worn parts, such as jaws, by removing retaining screw
- Extra long handles 10-1/4" (260 mm) for better leverage to save hand force
- Sets 3/32, 1/8, 5/32 and 3/16" rivets
- Four interchangeable nosepieces for setting multiple rivet sizes

HR-26 Industrial Hand Rivet Tool (Blue-Point®)

| Stock No. | Nosepiece, inches |
|-----------|-------------------|
| HR26-03 | 3/32 |
| HR26-04 | 1/8 |
| HR26-05 | 5/32 |
| HR26-06 | 3/16 |



HPS202



HP301C



HP310

Riveting Tools

HPS202 Rivet Tool (Blue-Point®)

- Head swivels 360° to rivet at any angle
- Fasten metal, leather, canvas and vinyl
- Sets 3/32, 1/8, 5/32 and 3/16" rivets
- Four interchangeable nosepieces store in handle when not in use

HP301C Pneumatic/Hydraulic Rivet Tool

- Sets structural rivets, Klik-Fast® rivets from 5/32-1/4" dia. in all alloys plus Klik-Fast®/Monobolt® rivets from 3/16-1/4"
- Requires only 85-95 PSI 1/2" NPT threads
- Delivers 3,300 lb of work force at 5/8" stroke
- Includes 5/32, 3/16 and 1/4" nosepieces plus mandrel collection bottle
- Overall weight 6.6 lb

HP30N Optional Rivet Nosepiece (Blue-Point®)

- Use with HP2 rivet tool to replace OEM welded studs on trim molding
- For rivets with 1/8" body diameter
- 7/32" head diameter

HP310 Pneumatic/Hydraulic Rivet Tool

- Sets 3/32 to 1/4" dia. rivets in all materials
- Can also set T-Rivet/Klik-Split®, Klik-Lock® and all other structural rivets
- Includes 3/32, 1/8, 3/16, 5/32 and 1/4" nosepieces plus mandrel collection bottle

HP320 Pneumatic/Hydraulic Rivet Tool

- Sets 1/8 to 3/16" dia. rivets in all materials
- Includes: 1/8, 5/32 and 3/16" nosepieces plus mandrel collection bottle

BODY: DOOR TOOLS

Soft Grip Trim Pad Tools

- Remove fasteners that secure door panels and trim pieces without damage to panel or trim
- Soft grip handles with contour thumb stop
- Distinct pivot point is designed for appropriate leverage and to discourage twisting that may damage panel or trim piece

| Stock No. | A Opening Size, inches | B Blade Width, inches (mm) | C Overall Length, inches | |
|-----------|---------------------------|-------------------------------|-----------------------------|---|
| ASG185BR* | 7/32 | 9/16 (14) | 13 | • |
| ASG186BR* | 3/8 | 13/16 (21) | 13 | • |
| ASG187BR* | 3/8 | 13/16 (21) | 20 | • |
| ASG188BR | 7/16 | 13/16 (21) | 19 | |
| ASG189BR | 7/16 | 13/16 (21) | 23 | |
| ASG190BR | 3/8 | 13/16 (21) | 20 | |

Colors Available



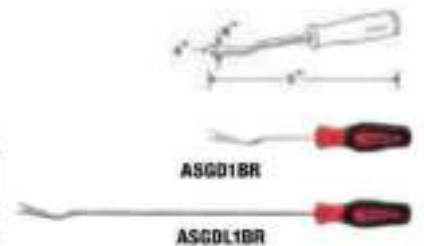
* R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



Soft Grip Dished Trim Pad Tools

- Smooth dish profile and wide gap to fit vehicles utilizing conical x-mass style retainers for quick removal without damage
- Dished blade for better door panel clip and retainer contact
- Soft grip handle for comfort and control
- Chrome finish helps prevent corrosion and facilitates cleanup
- Applications: Ford®, GM®, Toyota® vehicles and more

| Stock No. | A Opening Size, inches | B Blade Width, inches (mm) | C Overall Length, inches | |
|-----------|---------------------------|-------------------------------|-----------------------------|---|
| ASGD1BR | 7/16 | 13/16 (21) | 10 | • |
| ASGD1BR | 7/16 | 13/16 (21) | 20 | • |



Soft Grip Non-Marring Trim Pad Tools

- Separate tool for both the small and standard fasteners
- 90° bend provides increased leverage
- Vinyl dip on the 90° portion of the tool helps reduce damage to the vehicle
- Nickel-chrome finish blade
- Instinct® handle provides maximum turning power and greater comfort

| Stock No. | A Opening Size, inches | B Blade Width, inches (mm) | C Overall Length, inches | |
|-----------|---------------------------|-------------------------------|-----------------------------|---|
| ASGP1BR | 3/8 | 7/8 (22) | 10 | • |
| ASGP2BR | 7/32 | 9/16 (14) | 9 | • |

Colors Available



R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Read and follow safety warnings in the instructions.
- Plastic coated handles do not protect against electric shock.
- Read Safety Precautions on pages W1-W4.

BODY: DOOR TOOLS



DPT7A



S9538A



S6103A



S9614A



ASDD103R



HRT10VWA

Colors Available



Red Orange Green

* X O G
** - O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Door Handle/Trim Pad/Trim Nuts

DPT7A 7 pc Door Tool Set

- Includes the seven most needed tools for removing or replacing door trim, trim pads and handles
- Includes A159, A161B, A177A, A179A, S6103A, S9538A and S9614A in a storage tray

S9538A Door Handle Tool

- For most late model Chrysler® vehicles
- Hook end is designed for use on older style handles

S6103A Door Trim Nut Driver

- For Ford® and GM® vehicles
- For easy servicing of 3/8" internal hex trim nuts used on door trim panels and molding

- 1/4" drive, 1-7/8" long overall

S9614A Trim Nut Driver

- For GM® vehicles
- Similar to S6103A but is for use with 5/16" internal hex trim nuts
- 1/4" drive, 1-7/8" long overall

A159[†] Door Handle Tool

- For most GM® cars, trucks (except Cadillac®) and some Ford® cars
- Plastic dipped offset handle
- 10-7/8" long

A161BR[†] Trim Pad Remover

- Remove fasteners that secure door panels and trim pieces without damage to panel or trim
- Features 3-3/4" ergonomic, acetate screwdriver handle
- Handles easily wipe clean and resist oils & solvents
- Designed for use on GM®, Ford® and Chrysler® vehicles

A177AR[†] Trim Pad Remover

- Designed for use on GM®, Ford®, Chrysler® and most imported vehicles

A179A Trim Pad Remover

- For all GM® door trim panels
- Curved blade helps remove plastic clips and nail type clips without damage to either the clips or the trim

A1810^{††} Trim Pad Remover

- Designed for use on Honda®, Toyota®, Acura®, Hyundai® and some Ford® trucks

ASDD103R[†] Trim Pad Removal Tool Set

- Remove fasteners that secure door panels and trim pieces without damage to panel or trim
- Features 3-3/4" ergonomic, acetate screwdriver handle
- Handles easily wipe clean and resist oils and solvents
- Pivot points of blade tips are designed for appropriate leverage and to resist twisting that can damage the trim piece or panel

HRT10VWA[†] VW® Roof Grab Handle Tool

- Tool releases and removes the roof grab handle in the interior without any damage
- New stronger body allows for additional pressure to be used during application
- Designed to depress clips when tool is inserted to remove handle in a matter of seconds
- Black alloy steel made in the USA
- Snap-on® Exclusive

Upholstery and Trim Tools

- Remove door and trim panels quickly without damage
- Wide blades on door tools reduce risk of damage during panel removal
- Stainless steel blades are heat treated for rigidity
- Comfortable composite handles feature a contour thumb stop for maximum control



UTV5105A

| Stock No. | Description | Blade Width, inches (mm) | Overall Length, inches (mm) | Set Contains: | |
|-----------|---|--------------------------|-----------------------------|---------------|--|
| | | | | UTV5105A | |
| UTV5104A | V Double Step Blade Door Panel Tool (Blue-Point®) | 1-14 (32) | 9-1/8 (231.8) | • | |
| UTV5105A | U Blade Door Panel Tool (Blue-Point®) | 1-14 (32) | 9-1/8 (231.8) | • | |
| UTV5106A | U Blade Mini Trim Panel Tool (Blue-Point®) | 1/2 (13) | 9 (228.0) | • | |
| UTV5107A | V Blade Mini Trim Panel Tool (Blue-Point®) | 1/2 (13) | 9 (228.0) | • | |
| UTV5108A | Reverse "U" Blade Door Panel Tool (Blue-Point®) | 1-14 (32) | 10 (254) | • | |

Specialty Door Tools

YA610A Lock Opening Reforming Tool (Blue-Point®)

- Reforms damaged lock openings to original contour on GM®, Ford®, Chrysler® and most import cars

YA1201 Door Panel Remover (Blue-Point®)

- For GM® and Ford® vehicles
- Designed to prevent plastic barbed fasteners from being pulled through the panel

YA214 Door Hinge Adjuster (Blue-Point®)

- Adjusts door hinge position on most vehicles
- Works on either bolted or welded hinges
- Two-headed pin adaptor allows adjustment on doors with both small and large latches
- 24" overall length



YA610A



YA1201

YA214

Door Hinge Tools

| Stock No. | Description | Size | Hex Size | Length |
|-----------|-------------------------|-------|----------|--------|
| BMAS60 | Triple Square Bit | 6 mm | 5/16" | 13/16" |
| BMAS80 | Triple Square Bit | 8 mm | 5/16" | 13/16" |
| BMAS100 | Triple Square Bit | 10 mm | 5/16" | 13/16" |
| BMAS120 | Triple Square Bit | 12 mm | 5/16" | 13/16" |
| SDMTAS15 | TORX® Bit (Blue-Point®) | T15 | 5/16" | 13/16" |
| SDMTAS20 | TORX® Bit (Blue-Point®) | T20 | 5/16" | 13/16" |
| SDMTAS25 | TORX® Bit (Blue-Point®) | T25 | 5/16" | 13/16" |
| SDMTAS27 | TORX® Bit (Blue-Point®) | T27 | 5/16" | 13/16" |
| SDMTAS30 | TORX® Bit | T30 | 5/16" | 13/16" |
| SDMTAS40 | TORX® Bit | T40 | 5/16" | 13/16" |
| SDMTAS45 | TORX® Bit | T45 | 5/16" | 13/16" |



DHS108¹ 8 pc Automotive Door Hinge Removal Set (Blue-Point®)

- Door hinge applications include VW®, Audi®, Jeep® Cherokee® (1997 and 1998) and early model Ford® Escort
- Various applications on Audi®, VW®, and Mercedes® vehicles plus Mercedes rear toe adjustment and head bolts on some early models
- Set includes DHW1 ratcheting bit wrench, BMAS60 through BMAS120 triple square sockets (6–12 mm) and SDMTAS30 through SDMTAS45 TORX® sockets (T30–T45)
- Plastic storage pouch and bit holder included EU GB

DHW1¹ 5/16" Hex Drive Reversible Ratcheting Bit Wrench (Blue-Point®)

- Overall length: 10-3/4" (273 mm)
- Low head clearance for access to tight spots
- Internal ring in square drive provides more secure bit retention than magnetic models
- Knurled wheel for fingertip control
- Reverse lever positioned for one-hand operation

YA6620¹ Door Hinge Bushing Installer for GM® Vehicles (Blue-Point®)

- Use on GM® vehicles with replaceable silicon bronze door hinge bushings
- Tool provides easy access to restricted areas of the hinge
- Accurately guides and holds the bushing in place while tapping with a hammer or squeezing with pliers
- Applications: Chevrolet® S10 and Sonoma (1982–2004), 1/2 and 3/4 ton trucks (1980–1999), one ton trucks (1980–2001), Blazer® (1980–2005), Suburban® (1980 and later), Tahoe® (1980 and later), Astro and Express (1980 and later) and Avalanche® (2002 and later)



LPK620



YA511



YA501F



BF272



LOS145C

Lock Picks/Lockout Tools

LPK620¹ Master Lock (Blue-Point®)

- 37 pc set includes 6 pc import rocker pick set, 12 pc pick set for GM® vehicles, 5 pc Ford® automotive rocker lock pick set, 6 pc Chrysler® lock pick set, 6 pc set for wafer locks on import vehicles, harpoon pick for removing broken keys, tweezer type universal lock turning wrench and a gas cap pick tool

YA511 Lockout Tool Set (Blue-Point®)

- Includes (17) specialized tools for unlocking car, van and truck locks
- Includes many of the components of the YA501E set plus additional service components
- Includes a penlight and instruction manual in a kit bag

YA501F Lockout Tool Set (Blue-Point®)

- Includes (15) specialized tools for unlocking car, van and truck locks
- Includes J-tool for Japanese vehicles, as well as GM® tool to service Caprice, Buick® and Oldsmobile vehicles
- Included Chrysler® tool also services Toyota® Camry® vehicles
- Includes a BF272 Inflatable Wedge and an instruction manual

YA501100 Plastic Slim Jim

YA501271 Door Wedge (2 pk)

BF272 Inflatable Wedge (Blue-Point®)

- Offers safe entry in a lock-out situation without damage to the body finish
- Slip the deflated unit between door frame and body, inflate wedge by slowly applying pumping pressure to pull the door away from vehicle body
- Can also be used to gain entry by separating the weather stripping from the vehicle window or to adjust body panels

LOS145C¹ Multi-Piece Lockout Kit (Blue-Point®)

- No danger of airbag activation or disconnected door linkages
- Actuate the door handle, manual lock button, or electric lock button on 98% of all cars and trucks
- Set includes three piece door unlocking tool that screws together with a connector sleeve for easy assembly and storage. Kit also includes plastic slim jim, two (2) plastic wedges to create a gap between door and frame without damaging door or weather stripping and BF272 Inflatable Wedge
- Use the BF272 to easily separate door from body without damage to the vehicle
- Handle end can be used to enter through the wedged window and grab the lift button
- Plastic tips on whale tip ends can be removed for certain custom grip applications
- For sale to registered locksmiths, police and bonafide repair professionals only

• Plastic coated handles do not protect against electric shock.
 • Do not use "cheater bars" on handles.
 • Read and follow safety messages in the instructions.
 • Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
 • These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
 • Read Safety Precautions on pages W1-W2



BODY: DOOR TOOLS/SPECIALTY TOOLS



YA335



YA336



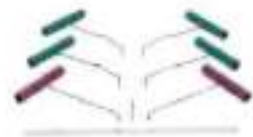
BF801A



BF802A



BF803



BF200

Body Clip Tools

YA335 Body Clip Pliers (Blue-Point®)

- Steel levers enclosed in PMS plastic to prevent scratches
- Tips have a specified angle and size that deliver the most versatile clip tool on the market
- Eliminates need to buy multiple sets of trim clip pliers for different applications
- Specially designed and patented pliers will remove any clip found on trim and bumpers

YA336 Recessed Body Clip Pliers (Blue-Point®)

- Will remove almost any clip type from trim and bumpers
- Ergonomic tool with special angled tips for access to tight spaces
- Steel levers are encased in glass-filled nylon for lightweight comfort
- 9" long; 1-1/2" jaw length

Suction Cups

- Use for pulling out dents or handling glass
- Handle has room for two hands for increased pulling power

BF801A Heavy-Duty Suction Cup Tool (Blue-Point®)

- 5" suction cup

BF802A Heavy-Duty Dual Suction Cup Tool (Blue-Point®)

- Trigger releases both 4" cups simultaneously

BF803 Suction Cup (Blue-Point®)

- Two finger grips for easy lifting, two projecting tabs for quick-release
- 3-1/4" diameter

Picks/Rods

BF200 Pull Rod Set (Blue-Point®)

- Drill 9/64" holes and pull metal to shape
- Includes (4) pull rods, (2) pick pulls, a straight edge and a drill bit
- Rods lift metal without distortion
- No need to remove upholstery



PBFT10

Prying/Fabrication Tools

PBFT10 Metal Pry/Fabrication Tool (Blue-Point®)

- Slim radius taper end for optimum blend of strength and access
- Unique design fits in tight gaps and can be used in tandem with separate mated parts
- Made from strong 4140 alloy steel
- Includes holes for tethering

BODY: WINDOW AND WINDSHIELD



GA243



WK100



YA109C

Window and Windshield Removal Tools

GA243 Molding Release Tool (Blue-Point®)

- Use to remove window and windshield moldings on cemented glass

WK100 Windshield Knife (Blue-Point®)

- Cuts hardened urethane down to the dash
- Flush blade retention screw helps prevent damage to the dash and moldings
- Rigid aluminum shaft will not flex
- Long 18" length provides cutting leverage and reach
- Cushion-grip handle for extra comfort
- Includes (1) blade
- Uses YA1860 replacement blades

YA109C Windshield Removal Tool (Blue-Point®)

- Steel cable pull handle
- Replaceable steel cutting blades can be resharpened
- For GM®, Chrysler® vehicles and other cars with windshields set in place with sealant

YA109C1 6 Pack Stainless Steel Cold Blades (Blue-Point®)

- Replaceable stainless steel cutting blades can be resharpened
- Assortment includes (2) of each blade length: 3/4", 1" and 1-1/2"

YA109C2 Replacement Handle for YA109C (Blue-Point®)**YA109C4 6 Pack Carbon Steel Blades (Blue-Point®)**

BODY: WINDOW AND WINDSHIELD



WK200



YA208A



A192



S9610

Window and Windshield Removal Tools

WK200⁺ 24" Windshield Knife (Blue-Point®)

- Cuts hardened urethane down to the dash
- Flush blade retention screw helps prevent damage to the dash and moldings
- Rigid aluminum shaft will not flex
- Long 18" length provides cutting leverage and reach
- Cushion-grip handle for extra comfort
- Includes (1) blade
- Uses YA1860 replacement blades

YA208A Windshield Locking Strip Installation Tool (Blue-Point®)

- Wedge openings in two widths make short work of installing nearly all locking strips
- Includes special tip for Dodge® truck applications
- 4" contoured handle and 4" metal shank

A192 Windshield Wiper Arm Removal Tool

- Easily removes wiper arms on most vehicles
- Both wide and narrow prying ends
- Not for use on wiper arms bolted to the shaft

S9610 Window Sash Nut Spanner Socket

- 3/8" drive; 15/32" long
- For GM® and Chrysler® cars and light trucks



YA5200A



WSC2



YA6390



PKNG90

Window Scrapers

YA5200A 11" Razor Blade Scraper (Blue-Point®)

- Unique shape fits into tight spots such as the area between dash and windshield
- Uses any standard, single-edge razor blade
- Storage for extra blades in screwdriver handle
- 11" long

WSC2⁺ 8" Plastic Blade Windshield Scraper (Blue-Point®)

- Scrapes windows, windshields and more
- Includes a plastic blade, or use any standard, single-edge razor blade
- 8" long tool folds to only 4-5/8"

Window Holders

YA6390 Window Holder (Blue-Point®)

- Holds side window glass up when working on the regulator
- Suction cups are attached to both sides of the glass with a cable over the door frame, preventing the glass from falling down the door

Large Surface Scrapers

PKNG90 Glass/Acrylic Large Scraper

- For use on glass and acrylic surfaces
- Large handle for an easy grip
- Orange color visually differentiates from black glass-filled nylon products
- Ideal for removing dirt/debris, windshield decals, adhesive mounts for mirrors, dealer stickers, tree sap, algae from fiberglass boats and window tinting

Bumper Cover Paint Stands

BFS1000B Bumper Cover Painting Stand

- Stand holds the bumper cover securely for painting
- Five different locking positions on the stand and full 90° rotation provide maximum versatility
- Lightweight at 23 lb and compact to store
- Casters provide full mobility



BFS1000B

- Do not use crow's or poles as prybars or punches.
- Wear safety goggles, laser and bystander.
- Plastic coated handles do not protect against electrical shock.
- Do not use "cheater bars" on prybars.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read and follow safety messages in the instructions.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Do not overload.
- Read Safety Precautions on pages W1-W4



BODY: ANTENNA/MIRROR

YA7575



S9605B



S8703



S6166



2160ANT

Mirror and Radio Trim Sockets**YA7575 Radio Removal Tool for Ford Vehicles (Blue-Point®)**

- Insert tool components into holes on the radio faceplate to release the retaining clips on the radio
- Same as Ford® No. T87P-19061-A
- Radio removal tool

S9605B Radio Trim Nut Socket

- Similar in appearance and function to S8703

S8703 Remote Control Mirror Socket

- Hollow socket clears adjustment lever; two-prong socket has a 3/8" square drive
- 19/32" dia. on drive end; 21/32" dia. on socket end
- 2-1/16" long
- Nickel-chrome finish
- Services many Ford® and VW® vehicles

Antenna Nut Sockets**S6166 Antenna Nut Socket**

- Three-prong socket with 11/16" external hex
- 3/4" dia., 1-1/2" long
- Services 1987-later Chrysler® vehicles

2160ANT Antenna Wrench (Blue-Point®)

- Four configurations will fit most antenna bezel nuts on US and import vehicles
- 10 mm opening for removing mast-type antennas
- Measures 7-1/4 x 1-1/2 x 1/8"
- Anodized finish

BODY: GENERAL SERVICE TOOLS

SWDK4



YAGM1

Spot Weld Cutters**SWDK4 4 pc Spot Weld Cutter Set (Blue-Point®)**

- Patented self-centering tip design prevents walking
- Operates at speeds up to 2,000 RPM
- Much faster than hole saw cutters
- Leaves a clean hole with minimal need for grinding

SWDK412 1/2" Spot Weld Cutter (Blue-Point®)**SWDK414 1/4" Spot Weld Cutter (Blue-Point®)****SWDK438 3/8" Spot Weld Cutter (Blue-Point®)****SWDK4516 5/16" Spot Weld Cutter (Blue-Point®)****Mirror and Radio Trim Sockets****YAGM1 Air Bag Release Tool (Blue-Point®)**

- Tool will quickly and easily release the retention springs for the removal of the SIR module on certain late-model GM® vehicles
- Applications include Cadillac®, Buick® Park Avenue, Pontiac® Grand Am, minivans and trucks

HEADLAMP AIMING

HE52B



RBYF445

Headlamp Spring Tools**HE52B Headlamp Spring Tool**

- For servicing alignment springs
- Consists of a 3/16" dia. shank anchored in a screwdriver style handle
- 7" long

Headlamp Adjusters**RBYF445 4-4.5 mm Ratcheting Headlight Wrench (Blue-Point®)**

- 8" overall length allows access to headlight adjustment screws
- Applications work on most late-model Ford® vehicles with 4 and 4.5 mm adjusters (found on aerodynamic designs) and headlights with rear mount adjusters

PAINT SPRAY: SPRAY GUNS



High Volume Low Pressure Blue-Point® spray guns for primer, base and clear coat. Designed for the automotive refinishing painter. Lightweight and well-balanced, while delivering a quality, first-class automotive finish. Lowest trigger pull among guns in their class. Unmatched spray pattern size and quality repair kits.

Full Size, HVLP (Blue-Point®)

| Stock No. | Fluid Tip, mm | Air Consumption, SCFM | Max. Inlet HVLP PSI (bar, kPa) | Dry Weight Without Cup, oz (grams) | Air Inlet Thread Size, inches (NPT) | Cup Size, cc | Application |
|-----------|---------------|-----------------------|--------------------------------|------------------------------------|-------------------------------------|--------------|----------------------------------|
| BLP13HVLP | 1.3 | 9.5 | 29 (2.0, 200) | 12.6 (359) | 1/4 (18) | 600 | High Solids, Colors and Clears |
| BLP14HVLP | 1.4 | 9.5 | 29 (2.0, 200) | 12.6 (359) | 1/4 (18) | 600 | High Solids, Colors and Clears |
| BLP15HVLP | 1.5 | 9.5 | 29 (2.0, 200) | 12.6 (359) | 1/4 (18) | 600 | Medium Solids, Colors and Clears |
| BLP18HVLP | 1.8 | 9.5 | 29 (2.0, 200) | 12.6 (359) | 1/4 (18) | 600 | Primer, High Viscosity Materials |

Full Size, Conventional (Blue-Point®)

| Stock No. | Fluid Tip, mm | Air Consumption, SCFM | Max. Inlet HVLP PSI (bar, kPa) | Dry Weight Without Cup, oz (grams) | Air Inlet Thread Size, inches (NPT) | Cup Size, cc | Application |
|-----------|---------------|-----------------------|--------------------------------|------------------------------------|-------------------------------------|--------------|----------------------------------|
| BLP14CONV | 1.4 | 9.5 | — | 12.6 (359) | 1/4 (18) | 600 | All Automotive Colors and Clears |



BLP14CONV

Economy, HVLP (Blue-Point®)

| Stock No. | Fluid Tip, mm | Air Consumption, SCFM | Max. Inlet HVLP PSI (bar, kPa) | Dry Weight Without Cup, oz (grams) | Air Inlet Thread Size, inches (NPT) | Cup Size, cc | Application |
|------------|---------------|-----------------------|--------------------------------|------------------------------------|-------------------------------------|--------------|-------------|
| BLPK14HVLP | 1.4 | 14.5 | — | — | 1/4 (18) | 600 | — |



BLPK14HVLP

Miniature – HVLP (Blue-Point®)

| Stock No. | Fluid Tip, mm | Air Consumption, SCFM | Max. Inlet HVLP PSI (bar, kPa) | Dry Weight Without Cup, oz (grams) | Air Inlet Thread Size, inches (NPT) | Cup Size, cc | Application |
|------------|---------------|-----------------------|--------------------------------|------------------------------------|-------------------------------------|--------------|------------------------|
| BLP10MHVLP | 1.0 | 7.0 | 29 (2.0, 200) | 11.4 (322) | 1/4 (18) | 125 | Primer, Base and Clear |



BLP10MHVLP

PAINT SPRAY: SPRAY GUN ACCESSORIES



Air/Fluid Hoses

BF7130 Air/Fluid Hose Kit

- 6' hose kit for the BF652 pressure cup
- Kit includes 5/16" I.D. air hose with 1/4" FPT connectors and 1/4" I.D. fluid hose with 3/8" FPT connectors

BF7220 Fluid Hose

- 25' x 3/8" I.D. Fluid Hose with 3/8" FPT connectors

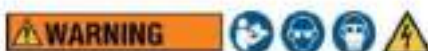
Gravity Feed Cups

BF755 Aluminum Gravity Feed Cup

- 34 oz (1 liter) capacity aluminum gravity feed cup
- Use with all Snap-on® HVLP gravity feed spray guns and BF814 non-HVLP gravity feed spray gun



BF755



- Do not use chains or industrial finish hand tools with power drivers.
- Read and follow safety messages in the instructions.
- Do not direct air or fluid stream at body.
- Use only in well ventilated areas.
- Do not expose solvent to flame, spark, or other sources of ignition.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W6.

PAINT SPRAY: SPRAY GUN ACCESSORIES



BF1410



YA999

Air Pressure Regulators

BF1410 Air Pressure Regulator

- Small, lightweight, true diaphragm mini regulator attaches to any spray gun (including HVLP models) for accurate air pressure regulation
- Push/Pull lock pressure setting
- Features easy-to-read 0-160 PSI gauge
- Capacity of 22 CFM (158 SCFM) [623 L/min]

YA999 Air/Water Separator (Blue-Point®)

- Separates water from compressed air
- Includes drain valve for periodic draining
- 3-1/2" in length, 1-1/2" dia.



BF520A



BF521A



BF530A



BF540A

Air Filters/Air Control Units

BF520A Air Filter

- Reusable edge type 5 micron filter element
- Highly effective at removing water, oil and other contamination
- Air Inlet: 1/2" FPT; Air Outlets: 3/8" FPT and 1/4" FPT (plugged)
- Filter capacity: 75 CFM

BF521A Air Control Unit

- Includes regulator with 160 PSI inverted gauge and air cock
- Two regulated outlets
- One filtered main line outlet
- Air Inlet: 1/2" NPT(f). Filter Capacity: 75 CFM
- Regulator capacity: 50 CFM

BF530A Air Filter

- Reusable edge type 5 micron filter element
- Highly effective at removing water, oil and other contamination
- Air Inlet: 1/2" FPT Air Outlet: two outlets @ 3/8" FPT
- Filter Capacity: 120 CFM

BF540A Mechanics' Air Filter

- Portable, mounts easily anywhere
- Designed for use with quick couplers
- Air Inlet: 1/4" FPT; Air Outlets: 1/4" FPT and 1/4" FPT (plugged)
- Filter capacity: 75



BF525



BF550



BF555



BF1210



BF7000

Air Valves/Air Regulators

BF525 Air Pressure Regulator

- Two regulated outlets
- Includes 160 PSI air gauge and air cock (1/4" MPT)
- Capacity: 50 CFM

BF550 Air Adjusting Valve

- Precision-tapered valve
- Full open to close with approximately four turns; infinitely adjustable
- Large, easy-to-handle inlet: 1/4" MPT; air outlet: 1/4" FPT (swivel nut)

BF555 Air Adjusting Valve with Gauge

- Designed for use with HVLP spray guns
- Includes a 160 PSI pressure gauge
- Air inlet: 1/4" MPT; air outlet: 1/4" FPT (swivel nut)

BF1210 Green Zone Air Regulator

- Reads both inlet pressure and air cap pressures

BF7000 Disposable InLine Filter

- Disposable filter removes contaminants that condense in the air hose between wall-mounted filter and spray gun
- Reduces paint defects
- Easy installation
- Card of two filters

PAINT SPRAY: SPRAY GUN ACCESSORIES



AHCC90C



AHCC91C



AHCCP97C



BF9893



MRB20

High-Volume Hose Connectors

AHCC90C¹ Female Quick Coupler (Blue-Point[®])

- High-volume 1/4"
- Designed to deliver high volumes of air to spray guns and air tools

AHCC91C¹ Quick Coupler (Blue-Point[®])

- High-volume 1/4" male quick coupler
- Designed to deliver high volumes of air to spray guns and air tools

AHCCP97C² Impact Wrench Adaptor (Blue-Point[®])

- Use with AHCC98C high-flow coupler to improve low-pressure performance of 1/2" drive impact wrenches and other high air consumption tools

Paint Gun Hooks/holders

BF9893 Spray Gun Holder

- Stand holds up to three gravity feed paint spray guns at one time for refilling
- Adjustable strainer holder
- Steel construction

MRB20 Magnetic Paint Gun Hook (Blue-Point[®])

- Eliminates having to drill holes in the paint booth to hang a paint gun

PAINT SPRAY: PAINT GUN CLEANERS/SAFETY EQUIPMENT

Flammables Storage Cabinet

| Stock No. | Outside Height, inches | Outside Width, inches | Outside Depth, inches | Inside Height, inches | Inside Width, inches | Inside Depth, inches | Capacity, gallons |
|-----------|------------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|-------------------|
| EQFSC45M | 66 | 43 | 18 | 60 | 40 | 15 | 45 |

EQFSC45M Flammables Storage Cabinet

- Standard Doors
- 16-gauge walls with full 2" air walls. 45-gallon capacity with 5-gallon spill pan
- Removable fork lift channels for convenient movement and placement of cabinet
- Complies with OSHA[®] #29 CFR 1910, NFPA Code #30 and UFC Code #79
- Spill containment exceeds 5-gallon EPA requirement



EQFSC45M

Paint Gun Cleaning Brushes

YA7327¹ Paint Gun Cleaning Brush (Set of 5) (Blue-Point[®])

- For external paint guns
- Can be used with commonly used cleaning solvents (do not use with solvents marked corrosive)
- Nylon bristles
- 7-1/2" long

YA7329¹ Paint Gun Cleaning Brush (Set of 5) (Blue-Point[®])

- Similar to YA7327 but designed for fluid tip paint guns
- 7-3/4" long

BFCB101 Paint Gun Cleaning Brush Kit

- General-purpose spray gun cleaning kit
- Includes 7 pc stainless steel needle set with handle, 5 pc precision mini-twisted brush set, 3/8" pick-up tube brush (12" L), 3/16" nylon end brush, 1/2" nylon body cavity brush, nylon bristle exterior body brush and 1/4" nylon HVLP brush



YA7327



YA7329



BFCB101



- Read and follow safety messages in the instructions.
- Do not direct air or fluid streams at body.
- Use only in well-ventilated areas.
- Do not expose solvent to flame, spark, or other sources of ignition.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

ABRASIVE BLAST SYSTEMS: CABINET-TYPE



YA3825



YA3626



YA4826PA

Colors Available



Red Electric Orange Extreme Green
 † PJK PAJ
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Cabinet-Type Abrasive Blast Systems

- Features a clamshell lid to assist in loading heavy parts (except for YA3626)
- Side door for loading smaller parts
- Variable-output blast gun with trigger-style control
- High-efficiency dust collection system
- Provides the user excellent visibility during blasting
- Separates dust from usable media, minimizing waste
- Lower noise output
- Heavy-duty steel grating in the work area for heavier parts
- Dual fluorescent lights in the work area for increased visibility
- Includes 25 lb of glass bead abrasive (except YA3626)

| Specifications | YA3825† | YA3626* | YA4826PA |
|--------------------------------|---------------------------|-------------------------------|-----------------------|
| Inside Dimensions, inches | 37-1/2 W x 26 D x 18-24 H | 36-1/2 W x 23-1/2 D x 18-23 H | 48 W x 24 D x 14-23 H |
| Side Door Dimensions, inches | 17-1/2 W x 12 H | 18 W x 12 H | 19 W x 13 H |
| Top Opening Dimensions, inches | 37-1/2 W x 25 H | 37 W x 14 H | 43 W x 26 H |
| Overall Dimensions, inches | 38 W x 26 D x 70 H | 38 W x 24 D x 68 H | 52 W x 25 D x 63 H |
| Dust Collection Size in CFM | 205 | 100 | 160 |
| Electrical Requirements | 120 V AC, 60 Hz | 120 V AC, 60 Hz | 120 V AC, 60 Hz |
| European Models | YAH3825EUR | — | — |

NOTE: European model is 230V AC, 50/60 Hz, Single Phase.

*Blue-Paint†



YA4224



YA435



YA437

Industrial Style Blast Cabinets

- Dust collection system provides user with excellent visibility and features polysatteen bags to capture dust and debris
- Dual fluorescent lights in work area for increased visibility
- Heavy-duty steel grating in work area to support heavier parts

| Stock No. | Inside Dimensions, inches | Dust Collection Size in CFM | Side Door Dimensions, inches | Top Opening Dimensions, inches | Overall Dimensions, inches | Air Supply Required | Electrical Requirements | European Models (230 V AC, 50 Hz) |
|-----------|---------------------------|-----------------------------|------------------------------|--------------------------------|----------------------------|---------------------|-------------------------|-----------------------------------|
| YA4224 | 41 W x 23 D x 29 H | 205 | 16 W x 17 H | 39-1/2 W x 12 H | 43 W x 24 D x 73 H | 100 PSI @ 25 CFM | 120 V AC, 60 Hz | YAH4224EUR |
| YA435 | 40 W x 26 D x 15-23 H | 270 | 17 W x 13 H | 39 W x 24 H | 40 W x 27 D x 60 H | 100 PSI @ 18 CFM | 120 V AC, 60 Hz | YAH435-EUR |
| YA437 | 42-1/2 W x 44 D x 33 H | 405 | 42 W x 35 H | — | 44 W x 44 D x 78 H | 100 PSI @ 25 CFM | 120 V AC, 60 Hz | YAH437-EUR |

NOTE: European model is 230V AC, 50/60 Hz, Single Phase.

YA4224 Abrasive Blast Cabinet with Foot Control

- Right hand door for smaller parts and top-opening lid for larger parts
- Foot pedal control for media delivery reduces operator fatigue

YA435 Abrasive Blast Cabinet

- Right hand door for smaller parts and full front opening door for larger parts
- Variable output blast gun with trigger style control

YA437 Large Abrasive Blast Cabinet with Foot Control

- Features a turntable to assist in cleaning larger or multiple parts easily
- Right and left hand doors allow access to turntable
- Foot pedal control for media delivery reduces operator fatigue

ABRASIVE BLAST SYSTEMS: PORTABLE

Air-Powered Portable Pressure Blast Systems

YA441 Pressure Blast System

- For cleaning jobs on large surface areas
- Cleans a variety of materials such as concrete, stone, brick and steel
- Unit has a convenient remote control shut down at nozzle handle
- Hose length 25', with 1/4" nozzle
- Capacity: 250 lb of abrasive
- Requires 80 CFM at 100 PSI

YA448 Pressure Blaster System

- For cleaning jobs where a minimal capacity of media is required
- Cleans a variety of materials such as concrete, stone, brick and steel

- Media is controlled by stainless steel ball valve at nozzle handle
- Capacity: 40 lb of abrasive
- Requires 21 CFM at 100 PSI
- Hose length 8' with 1/8" nozzle

YA449A Pressure Blast System (Not Shown)

- Cleans a variety of materials such as concrete, stone, brick and steel
- Media is controlled by stainless steel ball valve at nozzle handle
- Capacity: 100 lb of abrasive
- Requires 21 CFM at 100 PSI
- Hose length 10' with 1/8" nozzle



YA441



YA448

Gravity-Fed Portable Pressure Blast Systems

YA432 Gravity-Fed Siphon Sandblast System

- Portable design is ideal for quick spot cleanups or larger jobs such as body and frame restorations
- Capacity: 40 lb of abrasive
- Hose length 10' with 5/16" nozzle
- Requires 10-18 CFM at 100 PSI



YA432

SANDBLASTERS

Small Sandblasters

PSB500AR Portable Sandblasting Gun

- For cleaning small areas quickly
- Lightweight aluminum construction
- Flat base provides an upright resting position
- Media capacity 4 lb
- Requires 5-12 CFM at 100 PSI



PSB500AR

Vacuum Sandblasters

YA428A Vacuum Sandblaster

- Quickly blasts away rust, dirt and paint
- Features a vacuum recovery system at the blast nozzle to eliminate mess
- Media is recycled for continuous use
- Dust is captured in the container for easy disposal
- Wheels and casters improve mobility
- Vacuum recovery system 90 CFM
- Measures 49 x 18 x 18-1/2"
- Requires 14 CFM at 100 PSI and 120 V AC 60 Hz
- European model: YAH428AEUR 230 V AC 50/60 Hz



YA428A



- Use only in well-ventilated areas.
- These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

SANDBLASTERS



JWLSB2



JWLSB2-1



JWLSB2-2

Handheld Abrasive Blast Systems

JWLSB2¹ Soda Blaster

- Easily removes paint, carbon deposits, grease, rust, gasket material, adhesives and other coatings
- For use on metal, plastic, wood and composite surfaces without damaging the substrate
- Reduces the need for masking and grinding
- Uses sodium bicarbonate blast media

JWLSB2-1¹ 3 pc Wide Nozzle Replacement

JWLSB2-2¹ Steel Nozzle Replacement



SODABLAST

Abrasives

SODABLAST Soda Blasting Media (2 pk)

- Sodium Bicarbonate, NaHCO₃, pH 8.6
- Gently cleans surfaces without prewash
- Water soluble, nontoxic and nonhazardous degreaser
- Strips paint without damaging surrounding surface and leaves a brushed surface for improved paint adhesion
- Removes carbon deposits from engine components

- Sold in resealable 5 L plastic container, sold per case with (2) jugs per unit
- Replacement blasting media is packaged in plastic jug to protect the material from moisture, and prevent clumping and contamination; wide-mouth 5 L jug is easy to carry, pour, and store

ABRASIVE BLAST SYSTEMS: SANDBLASTING ACCESSORIES



YA428-1



YA461A



YA462A



YA463A



YA466A



YAD4000



YAD4003

Abrasives

YA428-1 C-Garnet Abrasive

- Does not break down as quickly as silica sand
- Creates less dust
- 40 lb bucket

YA461A Glass Bead Abrasive (Coarse)

- For coarse satin finish with minimum surface removal
- 40-60 coarse grit, 50 lb bucket

YA462A Glass Bead Abrasive (Medium)

- For medium satin finish with minimum surface removal
- 60-100 medium grit, 50 lb bucket

YA463A Glass Bead Abrasive (Fine)

- Use for fine satin finish with minimum surface removal
- 100-200 fine grit, 50 lb bucket

YA466A Aluminum Oxide Abrasive

- A tough abrasive used for fast removal of heavy oxidation and burrs
- Low dust and good recycling
- 50 lb bucket

YAD4000 Steel Grit Abrasive

- Use for rough cleaning and for removing rust and scale
- 50 lb bucket

YAD4003 Steel Shot Abrasive

- Use for peening and cleaning castings and forgings
- 50 lb bucket

ABRASIVE BLAST SYSTEMS: SANDBLASTING ACCESSORIES



YAD100A



YAD10102A



YAD007A

Blast System Accessories

| Stock No. | Nozzle | Air Jets | Blast Gun | Blast Gloves | Window Film Replacement | Replacement Filter |
|-----------|-----------|-----------|-----------|--------------|-------------------------|--------------------|
| YA3626* | YAD105 | YAD104 | YAD100A | YAD007A | YAD20061 | YAD723A |
| YA4826PA | YAD2304 | — | — | YAD007A | YAD20061 | YADV723A |
| YA3825 | YAD105 | YAD104 | YAD100A | YAD007A | YAD20061 | YAD714 |
| YA3825PJJ | YAD105 | YAD104 | YAD100A | YAD007A | YAD20061 | YAD714 |
| YA3825PJK | YAD105 | YAD104 | YAD100A | YAD007A | YAD20061 | YAD714 |
| YA4224 | YAD10104A | YAD10105A | YAD10102A | YAD007A | YAD20061 | YAD674 |
| YA435 | YAD115 | YAD104 | YAD100A | YAD007A | YAD20061 | YAD019 |
| YA437 | YAD10104A | YAD10105A | YAD10102A | YAD007A | YAD20061 | YAD018 |

NOTE: European model is 230V AC, 50/60 Hz, Single Phase, (Blue-Point®)

YAD0042 Plastic Window Cover (6 pk)

- Replacement window film
- Use with YA433, YAH433-EUR, YA435 and YAH435-EUR Abrasive Blast Systems

YAD017 Cartridge Filter

- Replacement cartridge filter for YA433 and YAH433-EUR abrasive blast systems

Cabinet-Type Abrasive Blast Systems

YAD3976 Dust Collector (Blue-Point®)

- Optional Dust Collection System for YA3220 Blast Cabinet



YAD3976

Helmets/Hoods

YA415A Cotton Twill Hood

- Bump Cap protects head, face and neck from dust



YA415A

WARNING



- Use only in well-ventilated areas
- These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Procedures on pages W1-W4

AUTO CARE/DETAILING



Cleaners, Polishes and Sealants

PACKPLSHKIT 7 pc Polishing and Restoration Kit

- Abrasive pads (1,000 and 2,000 grit) for cleaning and restoration needs
- Save Time: Buff Ball® (2 and 3") polishes in half the time it would take to hand-polish
- Speed wax for exceptional protection on metals paints and plastics
- Microfiber cloth for all-purpose cleaning and detailing—can be used on wet or dry surfaces
- Liquid polish for cleaning and polishing
- Includes (1) 3" viscose fabric Buff Ball®, (1) 2" viscose Buff Ball®, (1) 3/4 oz polish cream, (1) 1.7 oz Speed Wax, (1) 1,000 grit abrasive pad, (1) 2,000 grit abrasive pad and (1) microfiber cloth
- Use with the Snap-on® CTPP861 Polish/Prep tool

PACKRPDKIT Restore/Polish/Detail Kit

- Buff Ball® restores faded headlights/aluminum/stainless steel
- Turbo Buff Pad restores faded paints, fiberglass, scuff marks
- Sealant protects for up to one year
- Polishes diamond plate to a high luster
- Buffers and Abrasive Discs are washable/reusable

KACKMCFIBER1 Microfiber Cloth

- Microfiber cloth is machine-washable, lint-free and can be used wet or dry
- 16 x 16"

KACKSPDWAXX Speed Wax

- Brings back the shine, resists water spots, dust, fingerprints and grease
- 16 oz

PACKCLAYBAR3 3" Clay Skin Pad (2 pk)

PACKDRYTWL Drying Towel

- Excellent cooling properties
- Simply rinse with water, wring out and drape around neck
- Lasts multiple years with proper care
- To reactivate the cooling sensation, simply wet the towel
- Machine-washable
- Towel holds five times its weight in water
- Streak-free drying
- Store in a plastic container

PACKLQDPLSH Liquid Polish (7.6 oz)

- Removes tarnish, rust, water stains and more
- Non-abrasive formula
- Provides tough and durable protection
- Cleans and polishes stainless steel, aluminum, anodized aluminum and more
- Non-flammable and non-toxic
- Seals and protects for up to six months
- Works on all metals, fiberglass, glass, plastics and painted surfaces

PACKPRECLEAN¹ PreClean

- Works in 30 seconds—rinse with water
- Removes rust, brake dust, corrosion
- Used in place of acid
- Will not dull aluminum

PACKSCRUB3 3" Yellow Scrub Pad (2 pk)

PACKSD31000 1,000 Grit Abrasive Pad (3 pk)

PACKSD32000 2,000 Grit Abrasive Pad (3 pk)

- Abrasive pad for cleaning and restoration needs
- Great for access—use with the Snap-on® CTPP861 Polish/Prep tool

PACKSEALANT Ceramic Coating Spray Sealant (16 oz)

- Water-based sealant protects for up to one year
- Covers 2,000 square feet or up to six full-sized vehicles
- Leaves a brilliant shine and deep luster with no swirls
- Store at room temperature; do not freeze or allow to dry
- Safe for the body shop; does not contain silicone
- Protects against salt, UV rays, water stains, bugs, bird droppings and yellowed headlights
- Fast and easy, this non-wax sealant leaves no powder residue

PACKSTPLSH Paste Polish (1 lb)

- Metal, plastic, fiberglass polish and paint restorer

PACKTBP3P 3" Polishing Turbo Buff Pad

PACKTBP5P 5" Polishing Turbo Buff Pad

PACKTBP8P 8" Polishing Turbo Buff Pad

PACKTBP3C 3" Compounding Turbo Buff Pad

PACKTBP5C 5" Compounding Turbo Buff Pad

PACKTBP8C 8" Compounding Turbo Buff Pad

- Efficient, thick, long-lasting pad
- Fins force air through the pad, keeping it 40–50 °F cooler
- Fin edges allow pad to conform to odd areas
- Fins force compound to buffing pad center, reducing compound use and buffing time
- Uses half the amount of compound as other buffing pads
- Can run flat with no dishing effect
- Reusable—simply rinse out with water

SHOP SUPPLIES: WIRE WHEELS

SHOP EQUIPMENT

Crimped Industrial (Tempered High-Density Wire)

| Stock No. | Brush Diameter, inches | Width, inches (mm) | Arbor Hole, inches | Maximum Safe Free Speed, RPM |
|--------------------|------------------------|--------------------|--------------------|------------------------------|
| AC48A ¹ | 8 | 1 (25) | 5/8 | 4,500 |

AC48ADAPT1 Wire Wheel Shaft Adaptor (Blue-Point®)

- Adapts the AC48A to a 1" shaft

AC48ADAPT3/4 Wire Wheel Shaft Adaptor (Blue-Point®)

- Adapts the AC48A to a 3/4" shaft

AC48A¹ Crimped Industrial Wire Wheel (Blue-Point®)

- 8" dia., 5/8" arbor hole



Crimped Heavy-Duty (Non-Tempered Wire)

| Stock No. | Brush Diameter, inches | Width, inches (mm) | Arbor Hole, inches | Maximum Safe Free Speed, RPM |
|--------------------|------------------------|--------------------|--------------------|------------------------------|
| AC26E ¹ | 8 | 29/32 (23) | 1/2, 5/8 | 6,000 |
| AC28E ¹ | 8 | 1-1/8 (29) | 5/8, 3/4 | 4,500 |



Twisted Tuft

Tufts are 1-1/4" long and are twisted about two-thirds of the way.

| Stock No. | Wheel Diameter, inches | Wheel Width, inches | Wire Size, inches (mm) | Arbor Hole, inches | Maximum Safe Free Speed, RPM |
|---------------------|------------------------|---------------------|------------------------|--------------------|------------------------------|
| AC614B ¹ | 8 | 1/2 | .016 (.41) | 1/2, 5/8 | 9,000 |



Encapsulated

- Individual wire tips are encased in synthetic elastomer material (gradually wears away to expose only wire tips) for consistent stiff brushing action
- Ideal for auto body and surface applications

| Stock No. | Wheel Diameter, inches | Wheel Width, inches | Wire Size, inches (mm) | Arbor Hole, inches | Maximum Safe Free Speed, RPM |
|---------------------|------------------------|---------------------|------------------------|--------------------|------------------------------|
| AC207A ¹ | 2 | 1/4 | .014 (.35) | 3/8, 1/2 | 18,000 |
| AC217A ¹ | 3 | 1/4 | .014 (.35) | 3/8, 1/2 | 18,000 |



- Do not trigger or use on face.
- Do not use wire brushes above their maximum rated RPM.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W3-W4.

SHOP SUPPLIES: WIRE BRUSHES



Wire Brushes

- Ergonomic cushion-grip handle is designed for maximum comfort and control
- Use with both hands to maximize pressure
- Heavy-gauge stainless steel, or brass bristles, give the units maximum strength and durability
- Choice of brush width and length allows coverage of a wide range of applications, such as cleaning rusted threads, battery terminals and gaskets, rust removal prior to welding and caulk/adhesive removal

| Stock No. | Description | Set Contains: | WBS52BKT | WBS55SET | WBS5SET |
|---------------------|---|---------------|----------|----------|---------|
| WBS52 ¹ | 2" Miniature Brass Wire Brush | 2 | | | 25 |
| WBS52 | 2" Miniature Stainless Steel Wire Brush | 1 | 1 | | 25 |
| WBS53 | 3" Stainless Steel Wire Brush | | 1 | | |
| WBS55 | 5" Stainless Steel Wire Brush | | | 1 | |
| WBS58 | 7-3/4" Stainless Steel Wire Brush | | | 1 | |
| WBS518 ² | Long Handle Stainless Steel Brush (18" L) | | | | |
| WBS55CAL | 5" Stainless Steel Wire Caliper Brush | | | | |

Cleaning Brushes

WBNY18 Long Handle Brush (Nylon Bristle)

- Long handle provides extended reach with ability to use two hands for better cleaning power
- Ergonomic, non-slip rubber gripping surfaces
- Triangular shape for access in tight areas/corners
- Easy to clean, solvent-resistant material
- Bristle area: 1-3/4 x 4-1/4"



Specialty Brushes

AC58E Wire Brush (Blue-Point[®])

- Curved scratch brush
- Carbon steel bristles
- 13-3/4" long

AC59C Stainless Steel Wire Brush (Blue-Point[®])

- Curved scratch brush with stainless steel bristles
- 13-3/4" long

AC5C Hand Scratch Brush (Blue-Point[®])

- Stainless steel wire bristles for use where corrosive materials are found
- 7-7/8" long

AC64B Shoe Handle Scratch Brush (Blue-Point[®])

- Carbon steel bristles
- 5" long

C-CLAMPS



Medium-Duty C-Clamps

- Maximum strength ribbed iron frame
- Steel screw with full standard threads and sliding T-handle
- Large anvil and steel swivel pad to ensure secure clamping
- Deep throat style

| Stock No. | Throat Depth, inches | Capacity, inches | Spindle Dia., inches |
|---------------------|----------------------|------------------|----------------------|
| CL537A ¹ | 3-1/2 | 2 | 5/16 |
| CL546A ² | 6-1/4 | 2-1/2 | 3/8 |

Machinist's Vises

| Stock No. | Base | Jaw Width, inches (mm) | Maximum Opening, inches | Throat Depth, inches |
|-----------|------------|------------------------|-------------------------|----------------------|
| JPW28830 | Stationary | 3 (76) | 4-3/4 | 2-5/8 |

JPW28830 Machinist's Vise (Blue-Point®)

- Stationary base
- Large anvil, totally enclosed spindle and nut
- 60,000 PSI high ductile iron for main stress parts



Mechanic's Vises

- Built from 60,000 PSI ductile iron castings: virtually indestructible; able to withstand severe clamping forces
- Precision slide bar: precision keyed fit minimizes 'side-play' and 'slop' for greater accuracy
- Sealed construction: keeps lubricants in and contaminants out; increases reliability throughout the life of the product

| Stock No. | Copper Jaw Cap | Jaw Width, inches (mm) | Maximum Opening, inches | Pipe Capacity, inches | Throat Depth, inches |
|----------------------|----------------|------------------------|-------------------------|-----------------------|----------------------|
| WV1745A ¹ | WV4044 | 4-1/2 (114) | 4 | 3-1/4 | 3 |
| WV1755A ¹ | WV4046 | 5-1/2 (140) | 5-1/2 | 3 | 3-3/4 |
| WV1765A ¹ | WV4046 | 6-1/2 (165) | 6 | 3-1/2 | 4 |
| WV1780B ¹ | WV4046 | 8 (203) | 8 | 3-1/2 | 4-3/4 |



Forged Bench Vises

- Hardened reversible jaws can be reversed for non-marring applications or replaced when worn
- Competitive forged units do not offer replaceable jaws
- 360° swivel base increases versatility because vise can be locked in virtually any position
- Jaw adjustment screws ensure proper alignment and accuracy

| Stock No. | Jaw Width, inches (mm) | Maximum Opening, inches | Pipe Capacity, inches |
|-----------|------------------------|-------------------------|-----------------------|
| WVE104RT | 4 (102) | 3-15/16 | 1/4-3/4 |
| WVE105RT | 5 (127) | 5-7/8 | 1/2-2-1/2 |
| WVE106RT | 6 (152) | 7-7/8 | 1/2-3 |
| WVE107RT | 7 (178) | 8-7/8 | 3/4-4 |



Bench Vises (Blue-Point®)

- Single-piece steel blocks for a higher load capacity
- Extended anvil
- Lubrication points for maintenance
- Swivel base
- Capacity range from 3.5-9 ton at maximum opening
- Reinforced cantilever support
- Interchangeable jaws
- Diamond ground for a better grip
- Heavy-duty cast iron construction
- Precise jaw alignment
- Rolled thread spindle for ease of locating and tightening parts
- Protected spindle

| Stock No. | Jaw Width, inches (mm) |
|-----------|------------------------|
| BLPMV4 | 4 (102) |
| BLPMV5 | 5 (127) |
| BLPMV6 | 6 (152) |



- Wear safety goggles.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P5-P2 for details.
- Read Safety Precautions on pages W1-W6

VICES



WV4044

Jaw Caps

| Stock No. | Description | Size, inches |
|---------------------|----------------|--------------|
| WV4044 [†] | Copper Jaw Cap | 4 |
| WV4045 [†] | Copper Jaw Cap | 5 |
| WV4046 [†] | Copper Jaw Cap | 6 |

WORKBENCHES



BPWKBNCHX



BPWKBNCHX-1



BPWKBNCHX-2

Workbenches and Tables

BPWKBNCHX Heavy-Duty Workbench (Blue-Point[®])

- Heavy-duty 2,000 lb capacity (bench top 1,300 lb; lower shelf 700 lb)
- Adjustable legs with four work surface height options—adjust to 30, 33, 36" (shipping height) or 40"
- Optional storage drawers are sold separately
- Snap-on[®] Slots-N-Dots[™] on the side panels
- Side and back panels can be installed flush or 1-1/4" above the work surface
- Features 6 x 2" swivel-lock casters
- Overall size: 74" W x 32" D x 40" H
- Net weight: 251 lb

BPWKBNCHX-1 Shallow Wide Drawer (Blue-Point[®])

- Optional accessory for the BPWKBNCHX Heavy-Duty Workbench (Blue-Point[®])
- Overall size: 20.5" W x 27.4" D x 4.3" H
- Net weight: 14.5 lb (including slides)

BPWKBNCHX-2 Deep Narrow Drawer (Blue-Point[®])

- Optional accessory for the BPWKBNCHX Heavy-Duty Workbench (Blue-Point[®])
- Overall size: 14.6" W x 27.4" D x 9.1" H
- Net weight: 16.7 lb (including slides)

AIR PROCESSING EQUIPMENT



AHRB200

Regulators, Filters and Valves

| Stock No. | Inlet/Outlet Port Size | Adjustable Pressure Range, psig (kgf/cm ²) | Maximum Service Pressure | Oil Capacity | Operating Temperature Range |
|-----------|------------------------|--|-------------------------------------|--------------|-----------------------------|
| AHRB200 | 1/2" NPT (F) | 5-120 (5-8.5) | 140 psig (9.0 kgf/cm ²) | 60 mL | 41-140 °F (5-60 °C) |



BRA7380VEM



BRA8380V



BRARS8380H



BRA10312H



BRA15312H



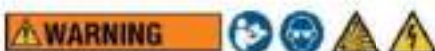
BRA20312H

Snap-on® Air Compressors (3-Phase)

| Stock No. | Horsepower, HP | Pump Stages | Tank, gal | Tank Style | Electrical Requirements | Amp Requirements | Mag Starter | Hour Meter | Auto Tank Drain | Air Delivery SCFM @ PSI | Max. PSI |
|---------------------------|----------------|--------------|-----------|------------|-------------------------|------------------|-------------|------------|-----------------|-------------------------|----------|
| BRA7380VEM | 7 | Dual | 80 | Vertical | 208/230 V, 3-phase | 30 @ 208/230 V | Yes | No | No | 23.5 @ 175 | 175 |
| BRA8380V [†] | 8 | Dual | 80 | Vertical | 208/230 V, 3-phase | 30 @ 208/230 V | Yes | Yes | Yes | 27.0 @ 175 | 175 |
| BRARS8380H [†] | 8 | Rotary Screw | 73 | Horizontal | 208/230 V, 3-phase | 30 @ 208/230 V | Yes | Yes | No | 35.0 @ 125 | 144 |
| BRA10312H [†] | 10 | Dual | 120 | Horizontal | 208/230 V, 3-phase | 40 @ 208/230 V | Yes | No | Yes | 36.0 @ 175 | 175 |
| BRA15312H [†] | 15 | Dual | 120 | Horizontal | 208/230 V, 3-phase | 75 @ 208/230 V | Yes | No | Yes | 48.0 @ 175 | 175 |
| BRA20312H [†] | 20 | Dual | 120 | Horizontal | 208/230 V, 3-phase | 109 @ 208/230 V | Yes | No | Yes | 75.0 @ 175 | 175 |
| BRARS10380H [†] | 10 | Rotary Screw | 80 | Horizontal | 208/230 V, 3-phase | 30 @ 208/230 V | Yes | Yes | No | 38.0 @ 125 | 145 |
| BRARS153130H [†] | 15 | Rotary Screw | 130 | Horizontal | 208/230 V, 3-phase | 40 @ 208/230 V | Yes | Yes | No | 56.0 @ 125 | 145 |
| BRARS203130H [†] | 20 | Rotary Screw | 130 | Horizontal | 208/230 V, 3-phase | 80 @ 208/230 V | Yes | Yes | No | 72.0 @ 125 | 145 |

[†]440/460/480V wiring available

[†]BRA7380V, BRA7380VEM and BRA8380V are available with horizontal tanks via special order



- Read and follow safety messages in the Instructions.
- Follow assistance requirements.
- Use pressure regulator, lubricator and moisture filter on air line.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages F1-F2 for details.
- Read Safety Precautions on pages W1-W4.

AIR COMPRESSORS



BRA5DV30VP



BRAC560V



BRA5140H



BRA517V



BRA7180VEM



BRA8180V



BRA9G3B



BRARS8180H



BRAP7S0S

Snap-on® Air Compressors
(Single Phase)

| Stock No. | Horsepower, HP | Pump Stages | Tank, gal | Tank Style | Electrical Requirements | Amp Requirements | Mag Starter | Hour Meter | Auto Tank Drain | Air Delivery SCFM @ PSI | Max. PSI |
|-------------------------|----------------|--------------|-----------|------------|----------------------------|------------------------|-------------|------------|-----------------|-------------------------|----------|
| BRA5DV30VP ¹ | 3 (peak) | Single | 27 | Portable | 120/230 V, 1-phase | 20 @ 120 V, 16 @ 220 V | Not Req. | No | No | 7.0 @ 125 | 125 |
| BRAC560V ¹ | 5 | Single | 60 | Vertical | 208/230 V, 1-phase | 20 @ 208/230 V | Not Req. | No | No | 13.5 @ 140 | 140 |
| BRA5140H ¹ | 5 | Dual | 40 | Horizontal | 208/230 V, 1-phase | 20 @ 208/230 V | Not Req. | No | No | 16.0 @ 175 | 175 |
| BRA517V ¹ | 5 | Dual | 70 | Vertical | 208/230 V, 1-phase | 40 @ 208/230 V | Yes | No | No | 17.5 @ 175 | 175 |
| BRA7180VEM ¹ | 7 | Dual | 80 | Vertical | 208/230 V, 1-phase | 40 @ 208/230 V | Yes | No | No | 23.5 @ 175 | 175 |
| BRA8180V ¹ | 8 | Dual | 80 | Vertical | 208/230 V, 1-phase | 40 @ 208/230 V | Yes | Yes | Yes | 27.0 @ 175 | 175 |
| BRA9G3B ¹ | 9 | Dual | 30 | Horizontal | Gas Engine, Electric Start | N/A | N/A | No | No | 23.0 @ 175 | 175 |
| BRARS8180H ¹ | 8 | Rotary Screw | 73 | Horizontal | 208/230 V, 1-phase | 40 @ 208/230 V | Yes | Yes | No | 35.0 @ 125 | 144 |
| BRAP7S0S ¹ | 7 | Dual | N/A | N/A | 208/230 V, 1-phase | 40 @ 208/230 V | Yes | Yes | N/A | 23.5 @ 175 | 175 |

¹BRA7180VEM and BRA8180V are available with horizontal tanks via special order

PARTS WASHERS: SOLVENT BASED

Automatic Filtration Parts Washer

- Snap-on® dual filter parts washers provide a clean supply of solvent for washing parts
- Filtration system virtually eliminates solvent changes
- Composite dual stage filter provides continuous filtration of solvent
- First stage filtration removes heavy solids
- Second stage filtration provides further purification by removing oil and grease
- Constructed of 16-gauge steel and features an added lip for strength
- Complete with work lamp and flexible spout



PBD3222A

First stage filtration removes heavy solids



PBD3209

Dual stage filter

Second stage filtration provides further purification by removing oil and grease



PBC3222A



PBC4828



PBC16



PBD2622A

| Specifications | PBD3222A | PBC3222A | PBC4828 | PBC16 | PBD2622A |
|-----------------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|
| Filtration | Dual | Dual | Dual | — | Dual |
| Base | Drum | Square | Square | — | Drum |
| Inside Dimensions, inches | 32 W x 22 D x 16 H | 32 W x 22 D x 10 H | 48 W x 28 D x 14 H | 15 W x 15 D x 6 H | 26 W x 17 D x 7 H |
| Fluid Requirements (gal) | 20 | 20 | 20 | 5 | 10 |
| Input, V AC (Hz) | 120 V AC (60 Hz) | 120 (60) | 120 (60) | 120 (60) | 120 (60) |
| Pump Volume, gallons/hour | 325 | 325 | 325 | 210 | 210 |
| Output Pressure, PSI | 50 | 50 | 50 | 50 | 50 |
| Overall Dimensions, inches | 38 W x 26 D x 38 H | 38 W x 26 D x 38 H | 52 W x 32 D x 45 H | 1 W x 23 D x 10 H | 39 W x 21 D x 34 H |
| Open Height, inches | 63 | 63 | 75 | 23 | 53 |
| Replacement Filter | PBD3209 | PBD3209 | PBD3209 | — | PBD3202 |
| European Models (230 V AC, 50 Hz) | PBDH3222AEUR | PBCH3222AEUR | PBCH4828EUR | — | PBDH2622AEUR |
| PBD1751 Paris Tray | Included | Included | Included | PBCH16-EUR | — |
| PBA720A Drain Table | Optional | Optional | Optional | — | — |

TECHNICAL SUPPORT: 800-253-3651

- Read and follow safety messages in the instructions.
- Follow maintenance requirements.
- Use pressure regulator, lubricator and moisture filter on air line.
- Do not direct air or fluid stream at body.
- Use only in well-ventilated areas.
- Do not expose solvent to flames, sparks, or other sources of ignition.
- Do not use washer without handle lock or safety valve intact.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.



PARTS WASHERS: AQUEOUS BASED



PBC33B



PBC3022



PBC42B

Electric/Medium-Duty

| Specifications | PBC33B | PBC3022 | PBC42B |
|-----------------------------------|------------------------|--------------------|-----------------------|
| Depth, inches (mm) | 28 (711) | 22 (559) | 24 (610) |
| Reservoir Capacity, gal | 20 | 6 | 12 |
| Electrical Requirements | 120 V AC, 60 Hz | 115 V AC, 20 A | 230 V AC, 60 Hz |
| Pump Motor, HP | — | — | 3/4 |
| Output Pressure, PSI | 50 | 50 | 500 |
| Volume, gallons per hour | 325 | 325 | 180 |
| Heater, watts | 1,500 | 1,500 | 1,500 |
| Open Height, inches | 65 | 32 | 69 |
| Inside Dimensions, inches | 21 W x 31-1/2 D x 10 H | 17 W x 12 D x 34 H | 40 W x 24 D x 18-24 H |
| Overall Dimensions, inches | 37 W x 28 D x 42 H | 30 W x 22 D x 32 H | 44 W x 24 D x 65 H |
| European Models (230 V AC, 50 Hz) | PBCH33B-EUR | PBC3022EUR | PBCH42BEUR |

European Models: PBCH33B-EUR (230 V AC, 50 Hz), PBCH42B-EUR (230 V AC, 50 Hz), PBCH57AEUR (230 V AC, 50 Hz)
CE

PBC33B Heated Aqueous Parts Washer

- Clean parts with a flexible pressurized cleaning spout
- Solution is heated for additional cleaning effectiveness
- Easily accessible polysateen drain filter to remove solids
- Heavy-wall polyethylene tub and solid base is durable for heavier parts
- Integral oil skimmer removes oil and grease from the cleaning solution to maximize cleaning effectiveness
- Clean parts with less effort—the solution works effectively by relieving surface tension of the grime
- Cleaning solution lasts longer, which minimizes solution changes by not absorbing oil and dirt
- Cleaning solution carries a licensed Green Seal® Certification Mark and is certified by the South Coast Air Quality Management Distribution
- Carries the highest environmental certifications, which lessens the environmental impact taking care of our land, water and air resources
- Low solution warning indicator
- Includes (5) gallons of PBA733 Cleaning Solution and (1) gallon of PBA734 Cleaning Concentrate Booster

PBC3022 Heated Aqueous Parts Washer

- Portable, compact design can be easily moved to the job site
- Sealed lid prevents splashing when used on mobile service vehicles
- Body and lid are made of high-density polyethylene for durability
- Stainless steel mesh work surface for durability and strength
- Heating element increases cleaning effectiveness and is thermostatically controlled
- Features a 5-micron filter to separate out dirt and debris

PBC42B High-Pressure Parts Washer

- Fully enclosed aqueous parts washer
- Blast parts clean with a 500 PSI high-pressure wand
- Soap solution is heated for additional effectiveness
- Automatic soak cycle loosens grime

PARTS WASHERS: AQUEOUS BASED



PBC57A



PBC58



PBC55-1



PBC55-3

Electric/Heavy-Duty

- High-pressure aqueous parts washer effectively cleans engine blocks, cylinder heads, transmission cases and small parts
- Cycle time can be adjusted from 0–60 minutes
- Five RPM turntable is driven by a #40 chain for rotation without slippage; extends 18" for easy part loading
- Sprocket drive and turntable motor have dual sealed bearing shafts for longevity and strength
- Includes a 25 lb pail of YADW896B Biodegradable Soap Concentrate

- Also includes an integral oil skimmer and pump reservoir filter to remove oil and grease, helping maintain cleaning effectiveness
- Double intake filtration system has a perforated steel screen filter with a sludge trap
- Rugged 12-gauge steel construction with solid welded seams

| Specifications | PBC57A | PBC58 |
|----------------------------|--------------------|-----------------------|
| Depth, inches (mm) | 35 (889) | 35 (889) |
| Reservoir Capacity, gal | 60 | 60 |
| Electrical Requirements | 230 V AC, 60 Hz | 230 V AC, 60 Hz, 50 A |
| Pump Motor, HP | 2 | 3 |
| Output Pressure, PSI | 45 | 45 |
| Volume, gallons per hour | 2,700 | 2,880 |
| Heater, watts | 8,000 | 8,000 |
| Open Height, inches | 69 | 81 |
| Inside Dimensions, inches | 35 W x 35 D x 41 H | 36 W x 35 D x 54 H |
| Overall Dimensions, inches | 53 W x 43 D x 99 H | 55 W x 43 D x 81 H |

European Model: PBC57AEUR (230 V AC, 50 Hz)
CE

PBC57A High-Pressure Automatic Parts Washer

- Automatically cleans parts with a 45 PSI heated soap solution spraying from 20 high-pressure nozzles at 40 GPM

PBC58 High-Pressure Heavy-Duty Automatic Parts Washer

- Automatically cleans parts with a 45 PSI heated soap solution spraying from 24 high-pressure nozzles at 42 GPM

PBC55-1 Parts Basket

- Perforated steel basket is perfect for holding small parts

PBC55-3 Parts Tree

- Welded steel tube rack for hanging smaller parts

PBC58-3 Parts Tree

- 45" tall rack for hanging smaller parts

Air Agitated Immersion Cleaner

PBD16 Air Agitated Immersion Cleaner

- Use with parts degreaser or carburetor cleaner
- Heavy-duty air motor rotates the basket in both directions
- Cover has a locking band that seals the unit
- 4-1/2" deep basket has a hook for draining parts from top of pail and holes for holding extra-small parts
- Overall height of 32"
- Base diameter of 14-1/2"
- Requires 5 CFM @ 100 PSI



PBD16



- Do not direct air or fluid streams at body
- Use only in well-ventilated area.
- Do not expose solvent to flames, sparks, or other sources of ignition.
- Do not use washer without bubble limit or safety valve tested.
- Read Safety Precautions on pages W3–W4

PARTS WASHERS: ACCESSORIES



GA503



GA501A



YA452

Parts Cleaning Brushes/Solvent Based

GA503 Round Angled Parts Cleaning Brush (Blue-Point®)

- Angled round brush design
- Attaches to most parts washers

GA501A Parts Cleaning Brush (Blue-Point®)

- Stiff bristles with contoured, non-slip plastic handle
- 11-1/4" long

YA452 Parts Cleaning Brush (Blue-Point®)

- Stiff bristles with contoured, non-slip plastic handle
- Attaches to most parts washers
- Flared hose end fits 1/4" spouts; 24" long hose has an internal spring to prevent kinking



YADW896B

Cleaning Solutions for Aqueous-Based Parts Washers

PBA733 Certified Green Concentrate Solution

- Specially formulated solution does not absorb oil and dirt
- For use in PBC33A and B Parts Washers
- Comes in a 5-gallon container; makes 20 gallons of solution

PBA734 Cleaning Solution Additive

- Used in both PBC3022 and PBC33B for an added boost of cleaning power

PBA735 Certified Green Concentrate Solution

- Same as PBA733 except 1-gallon container

YADW896B Powdered Soap Cleaner

- Low-foaming powdered soap solution
- For use in PBC57A and PBC42B Parts Washers
- Comes in a 25 lb container; makes 60–120 gallons of solution



PBA760

Petroleum-Based Solvent Cleaners

PBA760 Solvent Cleaner

- Excellent for removing oil and grease
- Petroleum-based cleaner with 140 flash point
- For solvent-based parts washers only
- Comes in a 5-gallon container



PBA725

Solvent-Based Parts Washer Accessories

PBA725 Parts Basket

- Hangs inside solvent based parts washers

PBA720A Drain Table

- Attaches to the outside of a parts washer
- Measures 25-1/2" W x 18-1/2" D

PBD1751 Parts Tray

- Attaches to outside of parts washer
- Measures 12-1/2" W x 18-1/2" D



PBA720A



PBD1751

Filtration Kits/Mud Buckets/Accessories

PBA720A Drain Table

- Attaches to the outside of a parts washer
- Measures 25-1/2" W x 18-1/2" D

PBD1751 Parts Tray

- Attaches to outside of parts washer
- Measures 12-1/2" W x 18-1/2" D

PBD32220 Replacement Clay Bag Filter

- Replacement clay bag filter for PBD3222, PBC3222, PBC4822 and PBCA4822 parts washers
- Fits in tub

PBD32223A Replacement Sludge Filter

- Replacement cartridge sludge filter for PBD32222 parts washer
- Fits in barrel



Water Nozzles and Hoses

NOZZLEGRP[®] Snap Grip Hose Nozzle with Shutoff

- Handle grip can be placed into a pistol or inline position
- Lock button keeps handle in position until released
- Adjustable spray nozzle transitions from delicate fan to powerful jet
- On/Off lever allows for quick water supply shut-off without changing spray pattern
- Precision machined inlet port provides an uninterrupted direct flow path of water
- Made of machined aircraft aluminum, stainless steel, Santoprene[®] rubber and durable plastic housing
- Recommended supply hose 5/8" I.D. for best performance

NOZZLELF[™] Power Jet Low Flow Nozzle

- On/Off lever quickly shuts off water flow and easily adjusts pressure
- Multiple spray patterns for any job—power jet to fan to low flow
- Low- and high-efficiency water flow via direct port injection
- 360° hose inlet swivel prevents hose kinking
- Screen insert prevents debris from clogging nozzle

NOZZLESG[™] Dual Action Foaming Soap Gun

- Compact design reduces excess soap usage and provides a controlled spray pattern in confined areas
- Quick-connect release collar easily transforms gun from soaping to rinsing application
- High-efficiency nozzle with cat's-eye spray pattern automatically balances pressure to effectively rinse surfaces
- 1.2 L soap container for use on multiple vehicles
- Molded graduations on container for ease of mixing exact proportions of soap and water
- Aircraft aluminum overmolded nozzle with firefighter-style lever
- Works with a standard garden hose
- 360° hose inlet swivel prevents hose kinking and features screen insert to prevent debris from clogging nozzle

Hose Reels

YA730D[†] Heavy-Duty Air/Water Hose Reel

- 50' of 3/8" I.D. low-pressure rubber hose
- Adjustable ball stop
- 24" connecting hose
- High carbon steel retraction spring
- Guide arm adjusts to four positions



YA730D

NOZZLEFN[™] Fireman's Nozzle

- On/Off fireman's lever for quick shutoff
- Multiple spray patterns from fan to jet to off
- Aircraft-grade aluminum barrel and internal housing
- Comfortable ergonomic grip for control
- Direct port injection for high-efficiency water flow
- Hose inlet has a 360° swivel connector to keep hose from coiling or kinking

JETWASHER[™] Air Water Jet Washer

- Combines compressed air and water to create a powerful jet washer
- Provides safe and effective cleaning
- Separate air and water controls
- Multifunction—rinse, clean or dry with air and water
- Wide nozzle design prevents splash-back
- Lightweight and compact
- Durable nylon components will not scratch surfaces
- Includes a 3/4" threaded garden hose connection and quick-connect adaptor
- Optional stepped nozzle can be used to flush coolant systems and heater cores

JETWASHFAN[™] Jet Washer Fan Nozzle

JETWASHNOZL[™] Jet Washer Flushing Nozzle (Optional)

YA297[™] Water Saving Hose Nozzle (Blue-Point[™])

- Provides concentrated pressure stream
- Features a special rocker-actuated check valve
- Fits standard garden hose threads
- 9" long

GA299[™] Air Solvent Gun (Blue-Point[™])

- Used for degreasing or applying oils
- Quickly converts to long-wand air gun
- Operates on 35–175 PSI
- 8' hose for siphoning chemicals into gun
- For hoses with 1/4" NPT male fitting
- Shaft length of 10-1/2"; overall length of 16-1/2"

Colors Available



Red Orange Green

ORG GRN

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



WARNING



- Do not direct air or fluid streams at body.
- Use only in well-ventilated areas.
- Do not expose solvent to flames, sparks, or other sources of ignition.
- Do not use washer without handle lock or safety valve intact.
- † These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W4.

PRESSURE WASHERS: COLD WATER



SEPW1500P



SEPW1500SM



SEPW1000



SEPW1500USA

Electric Power (Cold Water)

Adjustable 0–60° spray nozzle and GFCI protection with 35' power cord.

| Specifications | SEPW1500P ¹ | SEPW1500SM ¹ | SEPW1000 ¹ | SEPW1500USA ¹ |
|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Style | Hand Carry | Wheeled | Cart Mounted | Cart Mounted |
| PSI (bar) | 1,450 (100) | 1,450 (100) | 1,000 (69) | 1,800 (123.5) |
| GPM (L/min) | 2 (7.6) | 2 (7.6) | 2 (7.6) | 2 (7.6) |
| Horsepower, HP | 2 | 2 | 1.5 | 2 |
| Voltage | 120 V/20 A single phase | 120 V/20 A single phase | 120 V/15 A single phase | 120 V/15 A |
| Chemical Tank Capacity | — | — | 1 gal. | — |
| Pump Max. Temperature | 140 °F | 160 °F | 140 °F | 140 °F |
| Thermal | Mechanical | Mechanical | Mechanical | Mechanical |
| Hose Length, feet | 25 | 25 | 25 | 25 |
| Dimensions (L x W x H) | 18 x 12 x 11" | 20 x 12 x 20" | 21 x 16 x 36" | 30 x 21-1/2 x 38" |
| Shipping Weight, lb | 68 | 98 | 85 | 150 |



SEPW2700G

Gas Engine (Cold Water)

Interchangeable or adjustable 0–40° spray nozzle, plus powder-coated tube frame cart with pneumatic tires.

| Specifications | SEPW2700G ¹ |
|-------------------------|------------------------|
| Style | Cart Mounted |
| PSI (bar) | 2,700 (183.3) |
| GPM (L/min) | 3 (11.4) |
| Engine | 190 cc |
| Fuel Tank Capacity | 3.9 gal. |
| Chemical Tank Capacity | 3 gal. |
| Thermal | 160 °F |
| Dimensions (L x W x H) | 30 x 21-1/2 x 38" |
| Engine Displacement, cc | 190 |
| Shipping Weight, lb | 138 |

PRESSURE WASHERS: OIL-FIRED HOT WATER



SEPW30SHDE



SEPW2725SHDE

Heats water to 200°F. Includes ceramic plunger pump with stainless steel valves, trigger gun, interchangeable nozzles, chemical injection, adjustable pressure, stainless steel cold wrap-around coil, poly fuel tanks and GFCI protection. Powder-coated tube-frame cart with pneumatic tires for extra durability.

Electric Power (Oil-Fired)

| Specifications | SEPW14SHDE ¹ | SEPW20SHDE ¹ | SEPW30SHDE ² | SEPW2725SHDE ¹ |
|---------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| PSI (bar) | 1,450 (100) | 2,000 (138) | 3,000 (207) | 2,700 (186) |
| GPM (L/min) | 2 (7.6) | 4 (15.2) | 4 (15.2) | — |
| Horsepower, HP | 2 | 5 | 7.5 | 5 |
| Voltage | 120 V/20 A/single phase | 230 V/25 A/single phase | 230 V/34 A/single phase | 230 V/25 A/single phase |
| Burner Fuel Capacity, gal | 5 | 5 | 5 | — |
| Dimensions (L x W x H) | 34 x 27 x 47" | 34 x 27 x 47" | 34 x 27 x 47" | 34 x 27 x 47" |
| Shipping Weight, lb | 350 | 570 | 600 | 430 |
| Hose Length, feet | 50 | 50 | 50 | 50 |

Gas Engine (Oil Fired)

| Specifications | SEPW3000QH ¹ |
|---------------------------|-------------------------|
| PSI (bar) | 3,000 (207) |
| GPM (L/min) | 4 (15.2) |
| Engine Displacement, cc | 389 |
| Fuel Tank Capacity, qt | 6.0 |
| Burner Fuel Capacity, gal | 5 |
| Dimensions (L x W x H) | 54 x 32 x 48" |
| Shipping Weight, lb | 800 |
| Hose Length, feet | 50 |



SEPW3000QH

VACUUMS/SHOP FANS: VACUUMS

Handheld Vacuums

AV1000A Deluxe Air Vacuum Kit (Blue-Point®)

- Ideal for vehicle media body shops or any applications that require picking up dust, metal shavings or broken glass
- Includes 8.7" aluminum extension tube, pointed nozzle, flexible tube and crevice tool with brush
- Large collection bag includes a debris baffle and sliding bag clamp for emptying debris
- Lightweight ergonomic handle design



AV1000A



- Do not direct air or fluid stream at body.
- Use only in well-ventilated areas.

• Read and follow safety messages in the instructions.

†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.

• Read Safety Precautions on pages W1-W4.

VACUUMS/SHOP FANS: VACUUMS



SOVAC16

Wet/Dry Vacuums

Industrial strength full wet/dry cleaning and drying machines combine the highest degree of suction/airflow with ruggedly durable motors. Highest quality materials ensure long life. Ball bearing motor is designed for a strong performance with less motor strain. Engineered for easy portability and long life..



YA1023A



YA1105A



YA1009SSA

| Specifications | SOVAC16 | YA1023A ¹ | YA1105A ¹ | YA1009SSA ¹ |
|-----------------|--|--|--|--|
| Tank | 16 gal Polypropylene | 23 gal Polypropylene | Corrosion-Resistant | Corrosion-Resistant |
| Casters | Large Rear/Swivel Front | Large Rear/Swivel Front | 4 Swivel | Large Rear/Swivel Front |
| Waterlift | — | 93" | 93" | 93" |
| Motor | 2-Stage | 2-Stage | 2-Stage | 2-Stage |
| CFM | 125 | 99 | 99 | 99 |
| Approvals | UL [®] and cUL | UL [®] and cUL | UL [®] and cUL | UL [®] and cUL |
| Operation | Full Wet and Dry | Full Wet and Dry | Full Wet and Dry | Full Wet and Dry |
| Filter Assembly | Foam and Cartridge Filter | YAT90448 | YAT24819 | YAT90445 |
| Includes | 10' Hose (1-1/2" dia.), Foam Filter, Cartridge Filter, Dust Collection Bag, Crevice Tool, Utility Nozzle, Car Nozzle and Round Brush | 1.5" Wet/Dry Tool Set (Hose with Swivel End, Crevice Tool, Upholstery Tool, (2) Straight Extensions, Floor Tool Housing with Carpet Face, Squeegee Face) | 1.5" Wet/Dry Tool Set (Hose with Swivel End, Crevice Tool, Upholstery Tool, (2) Straight Extensions, Floor Tool Housing with Carpet Face, Squeegee Face) | 1-1/2" Wet/Dry Tool Set (Hose with Swivel End, Crevice Tool, Upholstery Tool, (2) Straight Extensions, Floor Tool Housing with Carpet Face, Brush Face, Squeegee Face) |
| Filtration | — | Cone and HEPA Cartridge | Cone | Cone |



YA1102

Portable Spotters

YA1102 Portable Spotter

- Use on carpeting, seat fabrics and other cleaning needs
- Durable molded tank
- Large 2-gallon capacity
- Powerful 55 PSI solution pump motor
- Strong recovery with 94 CFM vacuum rating
- Quick disconnect solution hose at the body
- Includes hose and hand tool
- UL[®] and CSA[®] listed
- ETL and cETL listed
- 84" water lift
- Bypass 1.2 HP motor

Shop Fans

WIND100A Heavy-Duty Air Mover

- Meets OSHA® standards for size and weight
- Maximum 3,758 FPM of air movement
- Adjustable kickstand with three operating positions
- Three-speed switch for controlled drying
- Space saver stackable design takes up less room in storage
- Easy to transport with optional telescoping handle for portability

| Specifications | WIND100A |
|------------------------------|----------------------|
| Power | 120 V AC/60 Hz |
| Speeds | 3 speeds / 1 off |
| Air Delivery, Velocity (FPM) | 2,100, 3,000, 3,200 |
| Airflow Direction, degrees | 0, 12, 90 |
| High-Output Fan Size, inches | 10-1/2 x 8-1/2 |
| Motor | 6 HP |
| Motor Rating | Continuous-Duty |
| Power Cord Length, feet | 18-1/2 |
| Size (L x W x D), inches | 17.2 x 15.3 x 18-1/2 |



WIND100A



WIND200



WIND300



WINDHEATER

WIND200² 1,200 CFM Blower Fan (Blue-Point®)

- 120 V, 60 Hz
- 2.0 A rated power
- Moves air up to 1,200 CFM
- Three position switch control for 1,400, 1,500 and 1,600 RPM speeds
- Built-in overload protection
- 2 pc 11 A built-in grounded receptacles
- Impact-resistant ABS housing materials
- 8-1/2' cord length
- Four-position adjustment feet
- 15.9 lb

WIND300² 300 CFM Blower Fan (Blue-Point®)

- 120 V, 60 Hz
- 1.0 A rated power
- Moves air up to 300 CFM
- Three position switch control for 1,400, 1,500 and 1,600 RPM speeds
- Built-in overload protection
- 2 pc 11 A built-in grounded receptacles
- Impact-resistant ABS housing materials
- 8-1/2' cord length
- Four-position adjustment feet
- 11.5 lb

WINDHEATER¹ Weather Attachment for WIND300 (Blue-Point®)

- 1,320 W, 120 V
- 11 A, 500 BTU
- Converts blower into a heater
- Clips securely onto the front of the blower and plugs into one of the outlets on the side of the blower
- 14 AWG SJT cord with a grounded plug



CTAB9050

Blowers

CTAB9050 18 V MonsterLithium Cordless Blower (Tool Only)

- Brushless motor means superior durability, longer tool life and maximum run time
- Get the job done with a maximum air speed of 100 MPH
- Maximum air volume of 450 CFM and 14,800 RPM for quick turnaround time
- 15' clearance range
- High/Low switch for proper air speed
- Balanced, lightweight design
- Run-time is approximately: High, 10 minutes; Low, 20 minutes
- Operates on 4.0 or 5.0 Ah batteries
- Built-in hook for easy hanging
- Batteries and charger not included



KAFANPBO

Workcenter Accessories

- Accessories are designed to fit all slotted systems found on workcenters and on accessory side panels for roll cabs and carts

KAFANPBO¹ LED Clock, Two-Speed Fan

- Real-time and temperature LED display (Celsius and Fahrenheit)
- Low-voltage fan can plug directly into an outlet or USB port
- Two-speed: low/high
- Compact design with oscillation and adjustable angle
- Magnetic base (10 lb) allows the fan to stand vertically or horizontally

Colors Available



- Read and follow safety messages in the instructions.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

EAR AND FACE PROTECTION



GA3200



YA160A

Ear Protectors

| Specifications | GA3200 | YA160A |
|----------------------------|-----------|---------|
| Noise Reduction Rating, dB | 28 | 21 |
| Headband | Cushioned | Plastic |
| Ear Piece | Cushioned | Foam |
| Adjustable Ear Piece | Yes | Foam |
| Ear Piece Replacements | N/A | YA160A1 |
| Weight, lb | .77 | .65 |



EFPBONEHEDB



EFPHANNIBALB



EFPSHREDB

Extreme Face Protectors

| Specifications | EFPBONEHEDB | EFPHANNIBALB | EFPSHREDB |
|---------------------|---|---|---|
| Shield Style | 160° Peripheral | 180° Peripheral | 180° Peripheral |
| Headband | Yes | Yes | Yes |
| Adjustable Headband | Yes | Yes | Yes |
| Impact Resistance | Yes | Yes | — |
| Shield Included | Clear and #10 Welding | Clear and #10 Welding | Clear and #10 Welding |
| Replacement Shields | EFPCLLENSREP (Clear); EFP3WLDLENS (#3 Welding); EFP5WLDLENS (#5 Welding); EFP8WLDLENS (#8 Welding); EFP10WLDLENS (#10 Welding); EFP12WLDLENS (#12 Welding) | EFPCLLENSREP (Clear); EFP3WLDLENS (#3 Welding); EFP5WLDLENS (#5 Welding); EFP8WLDLENS (#8 Welding); EFP10WLDLENS (#10 Welding); EFP12WLDLENS (#12 Welding) | EFPCLLENSREP (Clear); EFP3WLDLENS (#3 Welding); EFP5WLDLENS (#5 Welding); EFP8WLDLENS (#8 Welding); EFP10WLDLENS (#10 Welding); EFP12WLDLENS (#12 Welding) |



EFPCLLENSREP

EFP Series Welding Lenses

EFPCLLENSREP EFP Clear Lens Replacement



GA225A

Face Protectors

GA225A Face Shield

- Impact-resistant polycarbonate shield
- Aspherical lens design provides larger area of face protection
- Push and turn ratchet-sizing adjustment
- Tension dials increase and decrease tension of shield placement
- Closer curved fit for comfort and greater range of motion
- Additional lens available—PETG or dark green (shade 3)

GA225-1 Replacement Visor with PETG (Blue-Point®)

GA225-2 Replacement Visor with PC (Blue-Point®)

EYE PROTECTION



GLASS20BKWA



GLASS20BLA



GLASS20BKYA

Safety Glasses/Glass 20 Series

| Specifications | GLASS20BKWA | GLASS20BLA | GLASS20BKYA |
|----------------------------|--------------------------------|--------------------------------|--------------------------------|
| Lens | Dark Green (Shade #5) | Clear | Amber |
| Frame | Black | Blue | Black |
| Lens Replacement Available | GLASS20LENSW | GLASS20RLC | GLASS20RLA |
| Additional Info | White Snap-on® Logo on Temples | White Snap-on® Logo on Temples | White Snap-on® Logo on Temples |

ANSI® Z87.1, CSA® Z94.3 and MIL-STD-662



GLASS30BK



GLASS30R



GLASS31BK



GLASS31R

Safety Glasses/Glass 30 and 31 Series

| Specifications | GLASS30BK | GLASS30R | GLASS31BK | GLASS31R |
|---------------------------|-----------|----------|-----------|----------|
| Lens | Clear | Clear | Clear | Clear |
| Frame | Black | Red | Black | Red |
| Anti-Fog Lens Coating | Yes | Yes | Yes | Yes |
| Anti-Scratch Lens Coating | Yes | Yes | Yes | Yes |
| Ventilation Channel | Yes | Yes | No | No |

ANSI® Z87.1

- Lenses provide 99.9% UV protection
- Angle- and length-adjustable temples
- Soft nose pad and soft temple tips provide comfort for longtime wear
- Anti-fog lens coating protects against scratches



GLASS60BK



GLASS60R



GLASS60BK



GLASS60R



GLASS60SAP

Safety Glasses/Glass 50 and 60 Series

| Specifications | GLASS50BK | GLASS50R | GLASS60BK | GLASS60R | GLASS60SAP |
|-----------------------|-----------|----------|-------------|-------------|-------------|
| Design | --- | --- | Sport Style | Sport Style | Sport Style |
| Lens | Clear | Clear | Clear | Clear | Clear |
| Frame | Black | Red | Black | Red | Sapphire |
| Anti-Fog Lens Coating | Yes | Yes | Yes | Yes | Yes |

ANSI® Z87.1 and CE EN186

Glass 50 Series

- Lens provides 99.9% UV protection
- Optically correct
- High velocity impact and high mass resistant
- Soft nosepiece and ear pieces for comfort

Glass 60 Series

- Lens provides 99.9% UV protection
- Optically correct
- High velocity impact and high mass resistant
- Soft nosepiece and ear pieces for comfort
- Sport style designed



- Use for purposes intended and in accordance with instructions.
- Wear safety shield (face and bystander).
- Follow all safety precautions for welding and cutting.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages PL-P2 for details.
- Read Safety Precautions on pages W1-W7.

EYE PROTECTION



GLASSUV1

Safety Glasses/UV

GLASSUV1 UV Safety Glasses

- Polycarbonate wrap-around lens
- Black nylon frame
- Adjustable temples and lens inclination for a custom fit
- Lens provide 99.9% protection against UV light
- High Impact resistance
- Meets ANSI® Z87.1 and CE EN166 standards



SOSG01BKCL01



SOSG01BKLD03



SOSG02BLCL01



SOSG02BLLD03



SOSG03RDCL01



SOSG03RDL003

Protective Glasses

| Specifications | SOSG01BKCL01 ¹ | SOSG01BKLD03 ² | SOSG02BLCL01 ¹ | SOSG02BLLD03 ² | SOSG03RDCL01 ¹ | SOSG03RDL003 ² |
|--|---------------------------|---|----------------------------|--|---------------------------|---------------------------------------|
| Description | KOOZY Protective Glasses | KOOZY Protective Glasses | SLEEKER Protective Glasses | SLEEKER Protective Glasses | TRITON Protective Glasses | TRITON Protective Glasses |
| Color | Black/Clear Lens | Matte Black/Photochromatic Light-to-Dark Lenses | Blue/Clear Lens | Blue/Photochromatic Light-to-Dark Lens | Red/Clear Lens | Red/Photochromatic Light-to-Dark Lens |
| Light Transmission, Indoors (Outdoors) | 47.2% (22.7%) | 47.2% (22.7%) | 47.2% (22.7%) | 47.2% (22.7%) | 47.2% (22.7%) | 47.2% (22.7%) |
| UV Protection, Indoors (Outdoors) | 100% (100%) | 100% (100%) | 100% (100%) | 100% (100%) | 100% (100%) | 100% (100%) |



SOSG05KRCL01

Safety Glasses/Impaktor Series

SOSG05KRCL01¹ Impaktor Safety Glasses

- Lightweight aluminum frames
- Made in the USA
- Interchangeable lenses
- Seven-barrel hinge
- Prescription-capable
- Two-tone red and black design
- Clear lenses
- Back-filled logos



SOSG04BKCL01

Safety Glasses/Expedition Series

- Durable nylon frames
- Snap-on® exclusive design
- Made in the USA
- Interchangeable polycarbonate lenses
- Injected molded hinges
- Rx-capable
- Clear lenses for indoor use
- Photo-chromatic lenses darken when exposed to sunlight for indoor/outdoor use

| Stock No. | Frame | Lens |
|--------------|-------|---------------|
| SOSG04BKCL01 | Black | Clear |
| SOSG04BKLD03 | Black | Light-to-Dark |
| SOSG04BLCL01 | Blue | Clear |
| SOSG04BLLD03 | Blue | Light-to-Dark |
| SOSG04HGCL01 | Gray | Clear |
| SOSG04HGLD03 | Gray | Light-to-Dark |

GLOVES

SAFETY

Technician SuperCuff® Gloves

GLOVES00[†]

- Patented SuperCuff® design provides a super comfortable, snug and secure wrist closure will not restrict wrist and hand movement
- Heavy Lycra® panels between fingers provide greater comfort and fit
- Gloves are machine-washable—air dry only
- Reduced seam design for the index finger
- TPR stitching instead of sonic welding increases flexibility
- Silicone-printed Snap-on® logo on palm

Colors and Sizes Available

| Size | Black | Red |
|--------|-------|------|
| Medium | RMC | RMC |
| Large | RLC | RLC |
| XL | RLXC | RLXC |
| XXL | RKXC | RKXC |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS AND SIZES.



GLOVES00RMC

Impact SuperCuff® Gloves

GLOVES01[†]

- SuperCuff® design provides a super comfortable, snug and secure fit without restricting wrist and hand movement
- Reduced seam design for the index finger
- Full-finger dorsal thermoplastic rubber (TPR) protection
- Two-layer fingertips for longer life
- Enhanced dexterity
- Silicone-printed Snap-on® logo on palm
- TPR stitching instead of sonic welding increases flexibility
- Textured reinforcements on palm side fingertips for better grip on dry surfaces
- Reflective fingertips for increased visibility

Colors and Sizes Available

| Size | Black | Red | Green |
|--------|-------|------|-------|
| Medium | RMC | RMC | GM |
| Large | RLC | RLC | GL |
| XL | RLXC | RLXC | GLX |
| XXL | RKXC | RKXC | GLX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS AND SIZES.



GLOVES01RLC

Heavy-Duty SuperCuff® Gloves

GLOVES02[†]

- Dual fingertip layers for protection and control
- Thermoplastic rubber (TPR) protection panels help eliminate cuts and scrapes
- Gel padding in the palm reduces impact
- 5 mm EVA foam
- TPR stitching instead of sonic welding increases flexibility
- Textured reinforcements on palm side fingertips for better grip on dry surfaces
- Silicone-printed Snap-on® logo on palm

Colors and Sizes Available

| Size | Black | Red |
|--------|-------|------|
| Medium | RMB | RMB |
| Large | RLB | RLB |
| XL | RLXB | RLXB |
| XXL | RKXB | — |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS AND SIZES.



GLOVES02RLB

Heavy-Duty Carbon Knuckle SuperCuff® Gloves

GLOVES03[†]

- Hard carbon knuckle helps protect heavy impacts from knuckle and back-of-the hand area
- Two-layer palm with nonslip panels on the thumb, index and middle fingers allow the user to perform the most extreme tasks without losing control
- Gel padding in the palm reduces vibrations without compromising dexterity

Sizes Available

| Size | Suffix |
|--------|--------|
| Medium | M |
| Large | L |
| XL | XL |
| XXL | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVES03CLA

Snap-on® Cut-Resistant Gloves

GLOVES06

- EN 388: 2016 Level D and ANSI® A4 cut resistance—full front- and back-of-hand protection
- Hi-Viz TrekDry material keeps working hands cool and comfortable
- Reflective ink provides eye-catching luminance
- Stretch-elastic cuff provides a secure fit to the wrist
- Reinforced thumb and index finger provide added durability
- Anatomically designed two-piece palm eliminates material bunching
- Pinched fingertip construction improves strength and durability
- High-dexterity 0.6 mm synthetic leather
- Touchscreen-capable fingers, palm and index finger knuckle
- Machine washable

Sizes Available

| Size | Suffix |
|--------|--------|
| Medium | M |
| Large | L |
| XL | XL |
| XXL | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVES06



- Use for purposes intended and in accordance with instructions.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

GLOVES



GLOVE507L

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |
| XXL: | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES

Snap-on® Cut-Resistant Impact Gloves

GLOVE507

- EN 388: 2016 Level D and ANSI® A4 cut resistance—full front- and back-of-hand protection
- Thermoplastic rubber (TPR) knuckle guards and full-length fingertip protection reduce the risk of impact and pinching injuries
- Reflective ink provides eye-catching luminance
- Hi-Viz TrekDry material keeps working hands cool and comfortable
- Touchscreen-capable, durable synthetic palm
- Armortex® palm reinforcement panel
- Internal fingertip reinforcements on all fingers provide added durability
- Embossed and textured fingertips provides grip
- D30® palm padding absorbs and dissipates high-impact energy through the palm
- Machine washable



GLOVE310L

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |
| XXL: | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES

Material 4X® Standard Gloves

GLOVE310

- Seamless Material 4X® palm delivers higher abrasion resistance and greater tear resistance than standard synthetic gloves
- Form-fitting TrekDry material helps keep hands cool and comfortable
- Thermoplastic rubber (TPR) closure with hook-and-loop provides a secure fit
- Reinforcement panels in high-wear areas provides added durability
- Padded knuckle protects from bumps and scrapes
- Machine washable



GLOVE311L

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |
| XXL: | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES

Material 4X® Impact Gloves

GLOVE311

- Internal EVA back-of-hand foam padding reduces the risk of impact injuries
- Thermoplastic rubber (TPR) knuckle guard for added impact protection
- Form-fitting TrekDry material keeps working hands cool and comfortable
- Flexible thermoplastic rubber (TPR) closure provides a secure fit to the wrist
- Material 4X® internal fingertip reinforcements provide added durability
- Embossed and textured index finger and thumb provides grip
- D30® palm padding absorbs and dissipates high-impact energy through the palm
- Material 4X® synthetic leather delivers greater abrasion resistance and greater tear resistance than standard synthetic gloves
- Machine washable



GLOVE312L

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |
| XXL: | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES

Material 4X® Impact Heavy-Duty Gloves

GLOVE312

- Thermoplastic rubber (TPR) knuckle guards and full-length fingertip protection reduce the risk of impact and pinching injuries
- Internally sewn index finger knuckle is designed to work with hand tools
- Form-fitting TrekDry material keeps working hands cool and comfortable
- Flexible thermoplastic rubber (TPR) closure provides a secure fit to your wrist
- Armortex® palm reinforcement panel
- Material 4X® internal fingertip reinforcements on all fingers for added durability
- Embossed and textured fingertips provide grip
- D30® palm padding absorbs and dissipates high-impact energy through the palm
- Material 4X® synthetic leather delivers greater abrasion resistance and greater tear resistance than standard synthetic gloves
- Machine washable

D30® Shock Absorbing Impact Gloves

GLOVE320

- D30® impact protection throughout the palm and fingers to absorb and dissipate impact and vibration
- 2 mm impact-absorbing D30® pads are sewn internally on all fingers
- 4 mm impact-absorbing D30® padded heel section
- Abrasion-resistant synthetic leather palm reinforcement adds comfort and durability
- Internally bonded dual-layer fingertips with hot-stamp texture
- Thermoplastic rubber (TPR) wrist closure provides a secure and snug fit
- Touchscreen capable

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |
| XXL: | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVE320L

Snap-on® Impact Gloves

GLOVE309

- Thermoplastic rubber (TPR) knuckle guard and finger protection
- Durable microfiber palm with Armortex® palm reinforcement panel
- Dual-layer internal fingertip reinforces the index and thumb for added durability
- D30® palm padding absorbs impact and vibration
- Thermoplastic rubber (TPR) closure with hook-and-loop provides a secure fit

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVE309L

Original Mechanic's Gloves

GLOVE600

- Form-fitting spandex top
- Long-lasting two-layer thumb panel
- Additional panels of synthetic protection surround the fingertips
- Machine washable—will not shrink or fade
- Flexible thermoplastic rubber (TPR) wrist closure

Colors and Sizes Available

| Color | Red | Green | Orange |
|---------|-----|-------|--------|
| Small: | S | | |
| Medium: | M | MG | MO |
| Large: | L | LG | LO |
| XL: | XL | XLG | XLO |
| XXL: | XX | | |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS AND SIZES.



GLOVE600L

High-Heat Gloves

GLOVEHEAT

- Kevlar® material on back protects user from heat and flame exposure
- Kovenex® fabric palm liner provides high heat resistance; commonly used in firefighter protective gear, material may char but will not ignite
- Flame-resistant treated goatskin leather palm and fingertips with Kevlar® backers provides the perfect combination of protection, durability and dexterity
- Stretch-elastic cuffs provide easy glove removal
- Ideal for handling hot material and parts—such as brake rotors, exhaust components—or for hot engine tear-down

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVEHEATL

Cold Weather SuperCuff® Gloves

GLOVELMOSS¹

- The patented SuperCuff® design provides a super comfortable snug and secure wrist closure design while not restricting wrist and hand movement
- Mossy Oak® poly-spandex fleece top lined with Bremberg® for additional insulation
- Lined genuine leather palm and index finger for incredible dexterity and durability along with added insulation from cold weather
- Low profile TRP (Thermal Plastic Rubber) logo treatments
- Heavy Lycra® panels between fingers allows for greater comfort and fit

Sizes Available

| Size | Suffix |
|---------|--------|
| Medium: | M |
| Large: | L |
| XL: | XL |
| XXL: | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVELMOSSL



- Use for go-prows intended and in accordance with instructions.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

GLOVES



GLOVE505RL

Sizes Available

| Size | Suffix |
|--------|--------|
| Medium | M |
| Large | L |
| XL | XL |
| XXL | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVE313M

Sizes Available

| Size | Suffix |
|--------|--------|
| Medium | M |
| Large | L |
| XL | XL |
| XXL | XXL |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVE900LR

Colors and Sizes Available

| Size | Red | Green | Orange |
|--------|-----|-------|--------|
| Small | SR | | |
| Medium | MR | MG | MO |
| Large | L | LG | LO |
| XL | XLR | XLG | XLO |
| XXL | XXR | XXG | XXO |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS AND SIZES.



GLOVE1100L

Sizes Available

| Size | Suffix |
|--------|--------|
| Medium | M |
| Large | L |
| XL | XL |
| XXL | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.

TECHNICIAN'S GLOVES



GLOVE400L

Sizes Available

| Size | Suffix |
|--------|--------|
| Small | S |
| Medium | M |
| Large | L |
| XL | XL |
| XXL | XXL |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.

Deep Freeze Gloves

GLOVE505R⁺

- Extreme weather allover protection
- Windproof/waterproof barrier
- Rubberized palm and thumb for a great grip
- Reflective fingertips and cuff piping
- Incredible dexterity

Snap-on[®] Thermal Knit GloveGLOVE313 Snap-on[®] Thermal Knit Glove

- Seamless 15-gauge shell meets ANSI[®] 6 Abrasion and creates a warm snug fit
- 3/4-dip palm and coated fingers prevent water and cold air from sneaking into gloves
- Sandy nitrile palm coating provides excellent grip in wet and dry conditions
- Touchscreen-capable palm
- Machine washable
- Available in sizes M-XXL
- Global ANSI[®] and CE Certified
- REACH and Prop 65 Compliant

Touchscreen Slip-On Gloves

GLOVE900⁺

- Touchscreen-compatible reinforced fingertips
- Slip-on elastic cuff allows for easy access
- Soft and durable premium mesh fabric on the top of hand for optimal comfort and flexibility
- Premium synthetic leather is used in split palm construction for long-lasting durability
- Wraparound index finger construction protects the vulnerable wear and tear zone
- Lightweight fabric between fingers for excellent dexterity
- Reflective treatments for increased visibility

Grip Gloves

GLOVE1100 Snap-on[®]

- Armortex[®] Grip covers the entire palm for durable gripping power
- Form-fitting TrekDry material top
- Thermoplastic rubber (TPR) hook-and-loop closure provides a secure fit to the wrist
- Machine washable
- For a variety of uses, including material handling, maintenance, repair and home improvement projects
- CE approved

Abrasion-Resistant Nitrile Technician's Gloves

GLOVE400⁺ (Blue-Point[®])

- Nitrile-dipped coating for protection on dirty jobs
- Ergonomically pre-curved design gives you comfort at all times
- High abrasion-resistance protects hand from sharp edges and rough castings
- Incredible grip and dexterity on wet and dry surfaces
- Lightweight nylon shell provides a nice, snug fit
- 3 pk of gloves

TECHNICIAN'S GLOVES

SAFETY

Fast Fit Technician Gloves

GLOVE300B

- Form-fitting TrekDry Functional Fabric Quick Drying + Moisture Wicking® material helps keep hands cool and comfortable
- Elastic cuff provides a secure fit with easy on/off flexibility
- Reinforced thumb and index finger provide added durability
- Anatomically designed two-piece palm eliminates material bunching
- Touchscreen-capable fingers, palm and index finger knuckle
- Machine washable

Sizes Available

| Size | Suffix |
|--------|--------|
| Small | S |
| Medium | M |
| Large | L |
| XL | XL |
| XXL | XX |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVE300BL

Snap-on® Leather Palm Technician Gloves

GLOVE701

- Comfortable stretch elastic cuff provides easy on-and-off flexibility
- Form-fitting TrekDry material keeps working hands cool and comfortable
- Pinched fingertip construction improves strength
- Anatomically designed two-piece palm eliminates material bunching in the palm
- DuraHide® leather palm and thumb reinforcements provide extreme abrasion resistance
- Touchscreen-compatible index finger knuckle

Sizes Available

| Size | Suffix |
|--------|--------|
| Medium | M |
| Large | L |
| XL | XL |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL SIZES.



GLOVE701L

Glove Dispensers

GLOVEHOLDERB Latex Glove Dispensing Rack

- Holds one box of disposable gloves
- Metal construction prevents damage
- Magnetic base allows attachment to the tool storage unit or other ferrous metal surface
- Three springs secure the box firmly in the holder
- Mounting holes for attachment to non-ferrous surfaces
- 10 x 5-5/8 x 3-7/8"
- Black



GLOVEHOLDERB

SHOP SUPPLIES: LUBRICATION

Anti-Seize Lubricants

- Premium general-purpose copper/graphite blend anti-seize compound
- Formulated to prevent seizing and galling at high temperatures (resistant to 1,800 °F)
- Lubricates and protects against corrosion
- Eases assembly and disassembly of metal parts while reducing friction and wear

AS8 Antiseize Lubricant

- 8 oz bottle with applicator brush attached to cap

AS16 Anti-Seize Lubricant

- 16 oz bottle with an applicator brush attached to cap



AS8



AS16

Synthetic Lubricant

ULUBE1 12 Pack Synthetic Lubricant

- Easy-to-apply spray extends tool life
- Specially formulated for use with bearings and other rotating devices
- Case contains (12) 5.5 oz cans



ULUBE1



- Wear gloves for purpose intended and in accordance with instructions.
- Do not ingest or use on face.
- Use for purposes intended and in accordance with instructions.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

SHOP SUPPLIES: HAND CLEANERS



WOD303CSA WOD503CSA

Medicated Hand Cleaners**WOD303CSA Medicated Hand Cleaner**

- Fresh orange scent
- Case of (4) 4-1/2 lb cans

WOD503CSA Medicated Hand Cleaner

- Case of (4) 4-1/2 lb cans



WOD423CSA WOD623CSA

Pumice Hand Cleaners**WOD423CSA Pumice Hand Cleaner**

- Extra-strength pumice hand cleaner with antiseptic ingredient
- Fresh orange scent
- Case contains (4) 4-1/2 lb cans

WOD623CSA Pumice Hand Cleaner

- Case contains (4) 4-1/2 lb cans



WOD2025ACSA WOD2325ACSA

Water-Activated Hand Cleaners**WOD2025ACSA 84 oz Water-Activated Hand Cleaner (4 pk)**

- Case of (4) 84 oz bottles
- Requires WOD1027 Pump-Style Hand Cleaner Dispenser

WOD2325ACSA 84 oz Redline High-Performance Hand Cleaner (4-pack)

- Case of (4) 84 oz bottles
- Requires WOD1027HT Pump-Style Hand Cleaner Dispenser

WOD2018ACSA Water-Activated Hand Cleaner

- Portable size is perfect for a tool box, cart or at home
- Squeeze bottle with no-drip nozzle
- Case of (12) 18 oz bottles

WOD2115ACSA Nitro-Gold Hand Cleaner

- For use in WOD8207 Auto Dispenser or WOD8307 Manual Dispenser
- Case of (4)

WOD2164ACSA Nitro-Gold Hand Cleaner

- Concentrated, water-activated formula contains fibril, a natural cellulose scrubber, helpful in removing the hardest-to-remove substances, such as grease, grime, fifth wheel grease, etc.

- 100% biodegradable surfactants that are eco-friendly
- No solvents to dry your skin
- Soybean oil for added cleansing and skin conditioning
- 1/2-gallon dispenser with pump and handle for easy transport

WOD2264ACSA Black Cherry Hand Cleaner

- Concentrated, water-activated formula contains fibril, a natural cellulose scrubber, helpful in removing the hardest-to-remove substances, such as grease, grime, fifth wheel grease, etc.

- 100% biodegradable surfactants are eco-friendly
- No solvents to dry your skin
- Soybean oil for added cleansing and skin conditioning
- 1/2-gallon dispenser with pump and handle for easy transport

WOD2518ACSA Black Cherry Hand Cleaner 18 oz

- No solvents means it won't dry your skin
- Very appealing black cherry fragrance
- Non-drying formulation
- Eco-friendly
- 100% biodegradable
- Environmentally safe

WOD2525ACSA 84 oz Black Cherry Hand Cleaner (4 pk)

- No solvents to dry your skin
- 100% biodegradable surfactants that are eco-friendly
- Soybean oil for added cleansing and skin conditioning
- Very appealing black cherry fragrance
- Non-drying formulation

WOD1125ACSA Water-Activated Hand Cleaner

- Water-activated, solvent-free, concentrated cleansing formula for the toughest soils
- Soybean oil, surfactants, conditioners and fibril to cleanse and condition your skin
- 100% biodegradable

WOD1025ACSA Nitro-Gold Water-Activated Hand Cleaner

- Water-activated, solvent-free, concentrated cleansing formula for the toughest soils
- Soybean oil, surfactants, conditioners and fibril to cleanse and condition your skin
- 100% biodegradable



WOD1125ACSA WOD1025ACSA

Hand Cleaner Dispensers

WOD507 Heavy-Duty Hand Cleaner Dispenser

- Convenient for wall mounting
- Fits 4-1/2 lb can of hand cleaner

WOD1027 Pump-Style Hand Cleaner Dispenser

- Wall-mounted, pump-style dispenser for WOD2025ACSA or WOD2325ACSA hand cleaners in 84 oz bottles

WOD1027HT Pump-Style Hand Cleaner Dispenser

- Wall-mounted, pump-style dispenser for WOD2025ACSA or WOD2325ACSA hand cleaners in 84 oz bottles

WOD8207 Automatic Hand Cleaner Dispenser

- Auto-dispensing portion control means no waste, dripping or cross-contamination
- Over 900 washes per refill bottle
- Auto dispenser eliminates grease and grime accumulating on dispenser
- (4) D batteries will last 30,000 cycles (over 30 refills) or more than 18 months of battery life
- Sleek, ergonomic, attractive design is less than 4" wide, meeting the fire marshal code for hallways

WOD8307 Manual Hand Cleaner Dispenser

- Proprietary unit, refills only from your authorized Snap-on® franchisee (Refill: WOD2115ACSA)
- 2 ml dispenses with each activation and 750 hand washes per refill
- Sleek ergonomic and attractive design, less than 4" wide, meeting the fire marshal code for hallways
- Tamper-resistant and keyless locking cover
- Dispense from bottom, eliminating unused hand cleaner in refill

WOD1127 Touch-Free Hand Cleaner Dispenser

- Metered control for the exact amount needed to clean hands
- Long battery life with up to 80,000 activations
- No dripping, mess, or wasted soap
- Sleek, narrow design requires less wall space
- Works with WOD1025ACSA Nitro-Gold and WOD1125ACSA Black Cherry Hand Cleaner bottles

KASNTZR1 Sanitizer Bracket

- Optional multi-use Slots-N-Dots™ adaptor plate available for Snap-on® tool storage customers
- For use with WOD9007SO Manual Sanitizer Dispenser

WOD9007 Manual Sanitizer Dispenser

- For use with WOD5030 750 ml Alco-Gel Hand Sanitizer refills
- Compatible with KASNTZR1 Sanitizer Bracket for mounting to Snap-on® tool storage units



WOD507

WOD1027

WOD1027HT



WOD8207



WOD8307



WOD1127

KASNTZR1



WOD9007



WOD5020

Hand and Shop Towels

WOD5020 Hand and Tool Cleaning Towels

- Convenient hand towels for cleaning oil and grease from tools or hands
- Towels contain lanolin

Fingernail/Hand Brushes

WOD1000A Fingernail Brush

- Use with any WOD Series hand cleaner



WOD1000A



- Do not ingest or use on face.
- See safety information in the current Snap-on catalog.
- Read Safety Precautions on pages W1-W11.

SHOP SUPPLIES: HAND CLEANERS



W05030CSA

Hand Sanitizer

W05030CSA 750 ml Alco-Gel Hand Sanitizer (4 pk)

- Formulated to kill 99.99% of common illness-causing germs
- Contains 70% ethyl alcohol
- Contains silicon conditioner, leaving hands smooth
- Refreshing and light citrus scent
- 1,000 uses per 750 ml refill
- For most effective sanitizing, allow hands to air dry for 30 seconds
- For use when soap and water is not available
- Snap-on® sanitizer and corresponding dispenser are manufactured in a hassle-free proprietary format—Snap-on® dispensers only accept Snap-on® sanitizer
- Optional multi-use Slots-N-Dots™ adaptor plate available for Snap-on® tool storage customers

KNEE PADS/APRONS/BACK SUPPORT



KNEEPAD2



KNEEPAD3

Knee Pads

KNEEPAD2 Kneepads

- Polypropylene cap protects against floor debris
- Outer cap is securely attached to padded nylon inner pad for maximum comfort
- Extra-wide hook-and-loop straps for easy on/off
- Lightweight

KNEEPAD3 Gel Cushioned Kneepads

- Wide neoprene rear lower flap reduces chafing
- Gel cushioned for maximum comfort
- Hook-and-loop straps for easy on/off, secure fit and comfort
- Hinged pad extensions for a comfortable fit



GA226

Aprons

GA226 Chemical Resistant Apron

- Excellent splash protection against most mild chemicals
- PVC apron material is acid and alkali resistant
- Adjustable neck strap
- 100% waterproof
- Larger size for extended coverage (35" W x 47" L)
- One size fits most



BACK1L

Colors and Sizes Available



| Size | Black | Red |
|--------|-------|-----|
| Small | SRK | S |
| Medium | MRK | M |
| Large | LRK | L |
| XL | RLBK | XL |

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS AND SIZES.



BACK1LBK

Back Supports

- Curved, firm support pads help reduce back fatigue
- Unique patented lumbar pad design to firmly support the lower back
- Not a replacement for proper workplace design and proper training in lifting, twisting and bending movements

| Stock No. | Size |
|-----------|----------------------|
| BACK1S | Small, 27–32" waist |
| BACK1M | Medium, 31–38" waist |
| BACK1L | Large, 35–40" waist |
| BACK1XL | XL, 39–44" waist |

DIAGNOSTICS



OVERVIEW 839-840

APOLLO-Dg 842

TRITON-D10 843

ZEUS+ 844

ETHOS[®] EDGE 845

SOLUS LEGEND[®] 846

VANTAGE[®] LEGEND 847

DIAGNOSTIC THERMAL TOOLS 848-849

ACCESSORIES 849-870

SOFTWARE 871-872

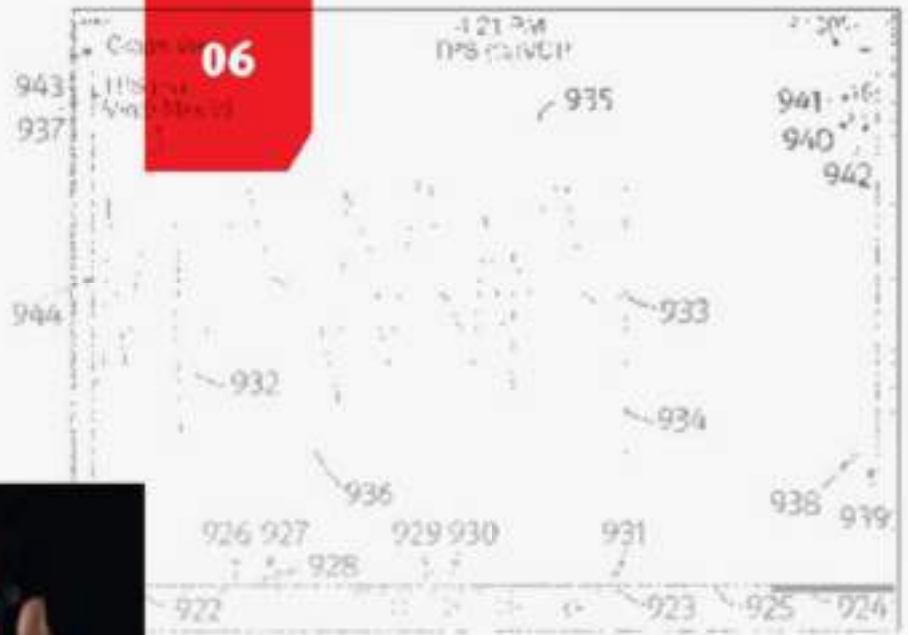
HEAVY-DUTY PRO-LINK[®] EDGE 873-878



"For decades my team has relied on Snap-on diagnostic platforms. I chose them for my shop because they offer maximum capability, giving us what we need to achieve our mission."

Ryan Snow
CEO #1 SL George Transmission & Automotive

06



EEM5348EUR
ZEUS™+ Intelligent Diagnostics and Information System

Fig. 10

**CONSTANTLY
LOOKING AHEAD.
AND INTO
PLACES NO ONE
ELSE CAN SEE.**

The first step toward solving a problem is to identify it. And there's no automotive problem Snap-on® diagnostic tools can't uncover. Our software spans a broader range of makes and models than ever before. Fast-Track® Intelligent Diagnostics enables you to rapidly pinpoint issues without unnecessary data weighing you down. And our hardware has undergone continuous improvement, with smaller and lighter platforms, brighter screens, and tougher housings for greater durability. With Snap-on diagnostics, identifying a problem is no problem at all.

DIAGNOSTICS QUICK REFERENCE GUIDE

Whether you're a technician who's just starting out or a veteran of the shop, Snap-on has a diagnostic tool that's sure to fit.



APOLLO-D9™



TRITON-D10™

| Platform Features | APOLLO-D9™ | TRITON-D10™ |
|--|------------|-------------|
| Automotive Coverage | * | * |
| Motorcycle Coverage | * | * |
| Exclusive Intelligent Diagnostics ¹ Access | * | * |
| Preselected Technical Service Bulletins Specific To The Code and Vehicle | * | * |
| Access To Smart Data For Code Specific Data | * | * |
| Preselected Functional Tests and Resets Specific To The Code and Vehicle | * | * |
| Preselected Guided Component Tests Specific To The Code and Vehicle | | * |
| Color Display Screen | 9" | 10" |
| Touch Screen Operation | * | * |
| Hi-Speed Wireless Vehicle Connection | | |
| Intuitive System Menu | * | * |
| Topic-Specific Help | | |
| Exclusive Suretrack [®] Expert Information | * | * |
| Instant ID | * | * |
| Quick Look-Ups From Home Screen | * | * |
| Tire & Wheel Service | * | * |
| Oil Change Specs and Resets | * | * |
| One-Touch Code Scan & Clear | * | * |
| Code Scan Report | * | * |
| Vehicle System Report | * | * |
| Pre-/Post-Scan Report Auto Upload To Snap-On [®] Cloud | * | * |
| Device Screen Shots and Photos Upload To Snap-On [®] Cloud | | |
| OEM-Specific Fault Codes | * | * |
| Functional Tests & Bi-Directional Controls | * | * |
| Enhanced Service Resets & Relearns Menu, Tabs & Component-Based Top | | |
| Relearns and Adaptations | * | * |
| Scope Multimeter | | * |
| Live Data Graphing (Scanner and/or Scope) | * | * |
| Side-By-Side Ctm and Scanner Viewing | | |
| Exclusive Guided Component Tests | | * |
| Onboard Ctm Training Courses | | * |
| Wi-Fi [™] Enabled | * | * |
| Internet Browser | | |
| Software Subscription Program | * | * |
| Online Software Update Via ShopStream Connect [™] | | |
| Over-Air Automatic Software Update | * | * |
| ShopKey [®] Repair Information (Optional) | | |
| ShopKey [®] Management System (Optional) | | |
| Internal 60 Gb Solid State Drive | | |
| Onboard Camera | | |
| Wireless Printing | | |
| Microsoft [®] Security Essentials | | |
| Install Your Own Software Applications | | |
| Docking Station with HDMI Port For External Display (Optional) | | |

¹Available for automotive coverage only

*For full functionality, a subscription or current software license must be in place.

Some functions require Internet access.

Some functions not available for all vehicle makes.

APOLLO-D9™ DIAGNOSTIC AND INFORMATION SYSTEM**APOLLO D9™**

EESC335EUR

APOLLO-D9™ Intelligent Diagnostics Scan Tool**EESC335EUR APOLLO-D9™ Intelligent Diagnostics Scan Tool**

- Scan for vehicle fault codes/diagnostic trouble codes (DTCs)
- OEM TSBs specifically related to the vehicle and DTC
- "Smart Data" automatically displays vehicle data parameters (PIDs) relevant to fault code; saves time by filtering unrelated data parameters
- Highlights vehicle data out of expected range
- Functional tests to verify component operation; Reset procedures to complete the repair after component replacement—only those that pertain to that fault code are shown
- Fast and easy icon navigation operates completely by touchscreen; alternatively, use the 4-way keypad and Y/N button
- Enhanced coverage for nearly 50 makes without the cost and complexity of factory scan tools
- Receive software upgrades and service releases via Wi-Fi® (*with applicable software agreement)
- OEM-specific coverage for dozens of vehicle systems, including new systems techs need, like hybrids, TPMS, steering, body controls, EVAP, clean diesels and more
- Read and clear trouble codes; display detailed trouble code descriptions
- Graph from one to four live data parameters (PIDs) simultaneously; view up to eight data parameters in text mode
- Print, save, share and view vehicle system reports via Snap-on® cloud
- Powerful functional tests and bi-directional controls provide control of vehicle systems for repair validation and confident diagnosis
- Never stop to recharge; unique steady-charge battery technology charges via data cable when connected to vehicle
- Overall dimensions: 11.8" W x 6.4" H x 1.6" D (299 x 162 x 40.3 mm); weight (including battery) 2.6 lb (1.18 kg)
- 9" capacitive touchscreen color for improved readability from any angle and superior visibility indoors or out; 1,024 x 600 pixel
- Includes scan tool, upgradable software on microSD card, keyless data cable for all OBD-II vehicle applications (9' with LED flashlight), Lithium-ion battery pack, 120 VAC power adaptor and cord, USB cable for PC connection, quick-start guide, safety instructions and custom-fit nylon carrying case
- Access to comprehensive OEM-specific motorcycle coverage for nine Domestic, Asian and European makes as far back as 2000—as well as automotive coverage for 49 Domestic, Asian and European vehicles as far back as 1980—to help take on more jobs



EEMS344EUR

TRITON-D₁₀™ Diagnostic and Information Systems

EEMS344EUR TRITON-D₁₀™

- Scan for vehicle fault codes/diagnostic trouble codes (DTCs)
- OEM TSBs specifically related to the vehicle and DTC
- "Smart Data" automatically configures the display to show vehicle data parameters (PIDs) relevant to the fault code—non-related data parameters are filtered out, to save time
- Highlights vehicle data that is out of expected range
- Functional tests to verify component operation; reset procedures to complete the repair
- Guided component tests for the specific fault code and vehicle ensure support throughout the diagnostic process
- Receive software upgrades and service releases via Wi-Fi® (with applicable software agreement)
- Quick access menu allows user to switch quickly between functions at any time—without having to go back to the start of the process
- Generate pre- and post-scan reports including ADAS recalibration reports
- Fast and easy navigation with a 10" capacitive color touchscreen display for improved readability from any angle and superior visibility indoors or out; 1,024 x 600 pixel
- Enhanced coverage for nearly 50 makes without the cost and complexity of factory scan tools
- OEM-specific coverage for dozens of vehicle systems, including the new systems techs need, like hybrids, TPMS, steering, body controls, EVAP, clean diesels and more
- Read and clear trouble codes; display detailed trouble code descriptions on-screen
- Graph from one to four live data parameters (PIDs) simultaneously; view up to eight data parameters in text mode and capture all of the data all of the time
- Print/save/share/view vehicle system reports via the Snap-on® cloud
- Powerful functional tests and bi-directional controls provide control of vehicle systems for repair validation and a confident diagnosis
- Never stop to recharge—unique steady-charge battery technology charges through data cable when connected to the vehicle
- High-capacity MicroSD® card contains the diagnostic software and stores your data files
- Access to comprehensive OEM-specific motorcycle coverage for nine Domestic, Asian and European makes as far back as 2000—as well as automotive coverage for 49 Domestic, Asian and European vehicles as far back as 1980—to help take on more jobs
- Overall dimensions: 12.8" W x 1.6" D x 7" H (326 mm W x 40 mm D x 17 mm H)
- Weight (including battery): 3.1 lb



- Read and follow safety messages in the instructions.
- Do not use in environments with explosive vapor.
- Read Safety Precautions on pages W1-W4.

ZEUS+™ DIAGNOSTIC AND INFORMATION SYSTEM**ZEUS+****EEMS348EUR****ZEUS™ Intelligent Diagnostics and Information System****EEMS348EUR ZEUS™+ Intelligent Diagnostics and Information System**

- Scan for vehicle fault codes/diagnostic trouble codes (DTCs)
- OEM TSBs specifically related to the vehicle and DTC
- "Smart Data" automatically configures the display to show vehicle data parameters (PIDs) relevant to the fault code—non-related data parameters are filtered out, to save you time
- Highlights vehicle data that is out of expected range
- Functional tests to verify component operation; Reset procedures to complete the repair after component replacement—only those that pertain to that fault code are shown
- Guided Component Tests, filtered to show those suggested relevant to the DTC
- Optional ShopKey® Pro Repair Information
- Integrated diagnostic suite for fast, easy navigation: scan tool, lab scope, Guided Component Tests, SureTrack® expert information, TSBs, Oil specs and resets, data manager, optional ShopKey® Pro
- Vehicle System Report shows all fault codes, readiness monitors in a customer-friendly format—helps to sell services and communicate with customer
- Compact Scan Module is cordless, wireless, easy to carry and conveniently out of the way when connected
- One-Touch Full Vehicle Code Scan and Clear quickly checks and clears codes for all available modules on the vehicle
- OEM diagnostic functions, tests and coverage previously found only in expensive factory tools
- Fully detached 4-channel scope module to allow for complete mobility
- Exclusive Fast-Track® Guided Component Tests show what to test, how to connect and what results to look for—avoids unnecessary parts replacement
- Thin and light tablet display, with a 12", 1920 x 1080 high-resolution capacitive touchscreen display for precise detail
- Keep working with battery charge lasting for up to 9 hours with LED battery indicator light
- Boots from cold in about a minute; powers up from Ready Mode in just 5 seconds
- Two USB-A 3.0 inputs and USB-C for power and display
- Built-in microphone and dual speakers for high quality sound
- Built-in Wi-Fi® and Internet browser to access your choice of information resources wirelessly
- Bluetooth® to stay connected to the vehicle and the Internet while moving freely around the service bay
- 8 megapixel camera with spotlight
- Stylus for easy navigation with built in spotlight
- 64 GB solid-state drive and a Quad-core Intel® Celeron® processor, and factory-installed Microsoft® antivirus and security essentials for secure operation



EESC332

ETHOS® Edge Series

EESC332 ETHOS® Edge Scan Tool

- Full-function diagnostics, including codes, live data graphing, functional tests, service light resets, relearns and adaptations
- Coverage includes 1983–current vehicles (US vehicles only)
- OEM-specific coverage for 49 domestic, Asian and European makes
- Access to comprehensive OEM-specific motorcycle coverage for nine Domestic, Asian and European makes as far back as 2000—as well as automotive coverage for 49 Domestic, Asian and European vehicles as far back as 1980—to help take on more jobs
- Large, full-color 5.6" VGA touchscreen for precise graphing and detailed results
- Embedded SMX® Operating System is dedicated to diagnostic functions for fast, reliable operation
- Steady-charge system charges the lithium-ion battery from the vehicle, eliminating changing or charging batteries
- Super-fast startup—ready to work in just five seconds
- Automatic vehicle ID eliminates the need to manually enter the VIN
- One-touch full vehicle code scan and clear quickly checks and clears codes for all available modules on the vehicle
- High-capacity microSD® card contains diagnostic software and stores the data files
- Customizable tools: pause and review live data, create custom data lists, set min/max triggers to flag abnormal data and zoom in on graphs to monitor vehicle performance over time
- Detailed trouble code definitions, live data, functional tests, relearns, and adaptations
- Ability to record all available live data parameters and graph any four on screen simultaneously

Includes:

- ETHOS® Edge scan tool
- 5' data cable with a key-less OBD-II connector
- USB cable for connection to a PC
- Padded nylon carry case
- Battery pack
- AC power adaptor
- Quick-start guide



- Read and follow safety messages in the instructions.
- Do not use in an environment with explosive vapors.
- Read Safety Precautions on pages W1–W4.

SOLUS Legend® SERIES**SOLUS Legend****EESC336EUR****SOLUS Legend® Series****EESC336EUR SOLUS Legend®**

- Full vehicle diagnostic capabilities and motorcycle diagnostics in just one tool, updated with a new design
- Access to comprehensive OEM-specific motorcycle coverage for nine Domestic, Asian and European makes as far back as 2000—as well as automotive coverage for 49 Domestic, Asian and European vehicles as far back as 1980—to help take on more jobs
- Comprehensive diagnostics with codes, live data graphing, functional tests, relearns and adaptations
- Special functions, like brake bleeding, service light reset, compression tests and fuel tank drain, to help accelerate maintenance tasks
- Embedded SMX® operating system dedicated to diagnostic functions for fast, reliable operation
- SureTrack® expert information and real fixes, with verified parts replacement records for more confident repairs
- Detailed trouble code definitions, live data, functional tests, relearns and adaptations
- One-touch code scan and clear
- Custom data lists, freeze-frame, PID sorting, pause, zoom, PID trigger, snapshot and cursor functions
- USB port for PC connectivity: save, print, view and share using ShopStream Connect™
- Ability to record all available live data parameters and graph any four on screen at once
- High-capacity microSD™ card containing diagnostic software and for storing your data files
- Automatically upload vehicle system reports via Wi-Fi® to the Snap-on® Cloud (when using current software) and access them from your phone or computer; print, e-mail and text from there



EETM345

VANTAGE® Legend

EETM345 VANTAGE® Legend

- The perfect companion to any scan tool, updated with a new design
- High-speed 2-channel lab scope, digital and graphing meter, plus expert information and guided component tests makes it easy to verify component faults
- Exclusive Fast-Track® Troubleshooter Guided Component Tests verify component failures with test procedures, automatic meter setup, connector diagrams, component locator and waveform library
- Test components before replacing for accurate first-time repairs
- Our fastest operating system, with a super-fast startup in only five seconds—diagnostic results in only 30 seconds
- Easy one-touch navigation using a large 8" color touchscreen or keypad operation
- Vehicle-specific component tests for over 40 US, Asian and European makes, 1981–current
- PC connectivity via a USB port; save/share/view/print results via a ShopStream Connect™ application available at no charge
- Coverage for thousands of components on all major vehicle system, including engine, fuel, transmission, emissions, ignition, ABS, lighting, solenoids, valve train, cooling, climate, anti-theft, oxygen sensor and many more
- Save diagnostic results and screen images on the internal microSD® card
- 6 million samples/sec
- 3 MHz bandwidth
- Preset and custom meter settings
- Peak detect, cursors and glitch capture to help find problems other scopes miss

Includes:

- VANTAGE® Legend component test meter
- (2) shielded scope leads, probes, clips
- 110 V AC power adaptor
- High-energy lithium-ion battery pack
- Soft-sided nylon carry case

Optional Accessories:

- Precision low-amp probe
- Low-, medium- and high-pressure transducer
- Screen protectors
- Pressure adaptor (required for pressure transducer use)
- Organizers for three-series carts
- Organizers for four-series carts
- Wide range of ignition adaptors



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1–W4.

DIAGNOSTIC THERMAL TOOLS



EETH300



EETH310

Diagnostic Thermal Tools

- Shows extreme temperatures from -4–840 °F (-20–450 °C)
- Detects problems all around the vehicle: brakes, heated seats, misfires, HVAC, worn bearings, belts, emission controls and many more
- Exclusive database of guided tests shows dozens of valuable automotive applications
- Reference images showing normal components and failed components, so the technician knows exactly what to look for
- Point at any area of the vehicle to see detailed images of an object's heat signature
- Includes Thermal Imager, microSD® card, AC charger, USB cable and a Quick Start Guide

EETH300 Diagnostic Thermal Imager

- Uses infrared imaging technology to reveal heat from friction, electrical resistance, pressure changes and more
- See precise detail with complete thermal images made up of 4,800 temperature zones
- Large 3-1/2" color screen so the technician doesn't miss a clue; 320 x 240 pixel resolution

EETH310 Diagnostic Thermal Imager Elite

- Using Wi-Fi®, upload images to www.altusdrive.com to print, store and share images captured on the Thermal Imager Elite
- Large 4.3" color screen so the technician doesn't miss a clue; 320 x 240 pixel resolution
- Customized views on screen assist in diagnosis and pinpointing location; choose from picture-in-picture, full-thermal and side-by-side



EETH311

Diagnostic Thermal Tools

EETH311 Diagnostic Thermal Laser

- Thermal image blending with a visible-light camera to provide more detail
- 2.8" colored display with 32 x 32 thermal sensor resolution for clear and accurate viewing
- Temperature readings of up to 1,800 °F (982 °C) in laser mode, great for diagnosing and troubleshooting catalytic converters, exhaust manifolds and DPFs
- Delta feature in laser mode for capturing high and low readings, as well as their difference (delta), ideal for checking inlet and outlet temperatures of catalytic converters
- Stores hundreds of images
- Laser pointer for pinpoint accuracy on faulty parts

- LED light for use under dashes and in dark engine bays
- Images are captured with a pull of the trigger; saved images can be used for reference and to create convincing repair orders
- Pistol-grip ergonomics for comfort and convenient access to tight locations
- Rechargeable high-power lithium-ion battery with up to an 8-hour charge life and convenient battery level indicator
- USB cable for charging and transferring files to a computer to share with customers
- Includes the Thermal Laser, AC charger, USB cable and a Quick Start Guide

DIAGNOSTIC THERMAL IMAGER ACCESSORIES



2-05639A01

Diagnostic Thermal Imager Accessories

2-05639A01 USB Charger/Cable

- AC power adaptor powers the Diagnostic Thermal Imager (EETH300), Diagnostic Thermal Imager Elite (EETH310), or Diagnostic Thermal Laser (EETH311A)

2-06650A Thermal Imager Battery Pack

- Interchangeable battery pack provides the opportunity to keep a spare battery pack charged up and at the ready
- Will not fit the EETH310 Diagnostic Thermal Imager Elite, or EETH311A Diagnostic Thermal Laser

2-06650A Thermal Imager Li-ion Battery Pack

- Lithium-ion battery fits the EETH310 Diagnostic Thermal Imager Elite
- Will not fit the EETH300 Diagnostic Thermal Imager or the EETH311A Diagnostic Thermal Laser



• Read Safety Precautions on pages IV1-IV4

APOLLO-D9™ ACCESSORIES

APOLLO D9™



EAA0355L93A



EAK0301B07D



EAX0066L07A

Apollo-D9™ Accessories

| Stock No. | Description |
|-------------|--|
| 2-06250A | Battery Pack |
| 2-60664A | Power Supply |
| APOD9FDAM2 | Foam Drawer Inserts, APOLLO-D9™/VANTAGE® Series, for KR3C248 Car1 |
| APOD9FDAM3 | Foam Drawer Inserts, APOLLO-D9™/VANTAGE® Series for 3-series Car1s |
| APOD9FDAM4 | Foam Drawer Inserts, APOLLO-D9™/VANTAGE® Series for 4-series Car1s |
| EAA0355L10A | GM™-1 Adaptor |
| EAA0355L20C | Ford™-1A Adaptor |
| EAA0355L30A | Chrysler™-1 Adaptor |
| EAA0355L31A | Chrysler™-2 Adaptor |
| EAA0355L40A | Nissan™-1 Adaptor |
| EAA0355L42A | Multi-2 Import Adaptor |
| EAA0355L49A | Jesp™-1 Adaptor |
| EAA0355L50A | Toyota™-1 Adaptor |
| EAA0355L51A | Hyundai™-2 Adaptor |
| EAA0355L52A | Toyota™-2 Adaptor |
| EAA0355L53A | Mazda™-1 Adaptor |
| EAA0355L56A | VW™-1 Adaptor |
| EAA0355L58A | Nissan™-2 Adaptor |
| EAA0355L62A | Mercedes-Benz™ Adaptor |
| EAA0355L70A | Ford™-4 Adaptor |
| EAA0355L74A | BMW™ Adaptor |
| EAA0355L75A | MB-2A Adaptor |
| EAA0355L90B | Multi-1 Universal Adaptor |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |

| Stock No. | Description |
|-------------|---|
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Score Adaptor Set, CBD-I, Psa-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Trim Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAK0347L20A | Smart Vehicle Interface Adaptor Kit, BMW® |
| EAK0347L21A | Smart Vehicle Interface Adaptor Kit, DLC Adaptor |
| EAK0347L22A | Smart Vehicle Interface Adaptor Kit, Harley-Davidson® |
| EAK0347L23A | Smart Vehicle Interface Adaptor Kit, Indian® and Victory® |
| EAK0347L24A | Smart Vehicle Interface Adaptor Kit, Ducati® |
| EAK0347L25A | Smart Vehicle Interface Adaptor Kit, Suzuki® |
| EAK0347L26A | Smart Vehicle Interface Adaptor Kit, Honda® |
| EAK0347L27A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-1 |
| EAK0347L28A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-2 |
| EAK0347L29A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-3 |
| EAK0347L30A | Smart Vehicle Interface Adaptor Kit, Yamaha® |
| EAK0347L35A | Smart Vehicle Interface Adaptor Kit, ISO-1, All Makes |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L07A | Power Sports, Battery Clip, Charger Connector, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L41A | Ground Leads |
| EAX0066L43A | Adaptor Wire Terminal Kit |
| EAX0073L02A | CBD-II / DoP Long Data Cable with Light (R II) |
| EAZ0120L16A | Shop Banner, 8 x 2', APOLLO-D9™ |

TRITON-D10™



EAC0056L00A



EAK0301B06B



EAX0073L02A



EETA308D



EETM306A09

TRITON-D10™ Accessories

| Stock No. | Description |
|-------------|---|
| 2-04250A | Battery Pack |
| 2-04433A1 | Black Alligator Clip |
| 2-04433A4 | Yellow Alligator Clip |
| 2-04433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Red |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| EAA0359L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0312L19A | Carry Case, Padded |
| EAK0347L20A | Smart Vehicle Interface Adaptor Kit, BMW® |
| EAK0347L21A | Smart Vehicle Interface Adaptor Kit, DLC Adaptor |
| EAK0347L22A | Smart Vehicle Interface Adaptor Kit, Harley-Davidson® |
| EAK0347L23A | Smart Vehicle Interface Adaptor Kit, Indian® and Victory® |
| EAK0347L24A | Smart Vehicle Interface Adaptor Kit, Ducati® |
| EAK0347L25A | Smart Vehicle Interface Adaptor Kit, Suzuki® |
| EAK0347L26A | Smart Vehicle Interface Adaptor Kit, Honda® |
| EAK0347L27A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-1 |
| EAK0347L28A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-2 |
| EAK0347L29A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-3 |
| EAK0347L30A | Smart Vehicle Interface Adaptor Kit, Yamaha® |
| EAK0347L35A | Smart Vehicle Interface Adaptor Kit, ISO-1, All Makes |
| EAK0360L07A | Soft-Sided Carrying Case |

| Stock No. | Description |
|-------------|---|
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0073L02A | OBD-II / OaP Long Data Cable with Light (9 ft) |
| EAZ0120L03A | Shop Banner, 6 x 2', TRITON-D10™ |
| EEMS324PSA | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETM306A02 | Secondary Ignition On-Off Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| TRND10F0AM2 | Foam Drawer Inserts, TRITON-D10™, for KRSC246 Cart |
| TRND10F0AM3 | Foam Drawer Inserts, TRITON-D10™, for KRSC 3-Series Carts |
| TRND10F0AM4 | Foam Drawer Inserts, TRITON-D10™, for KRSC 4-Series Carts |



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapors.
- Read Safety Precautions on pages W1-W4.

ZEUS™ ACCESSORIES

ZEUS™



6-03022A



EAA0418L04A



EAK0355L00A



EAX0068L27A

ZEUS™ Accessories

| Stock No. | Description |
|--------------|---|
| 2-04339A | Power Supply |
| 2-06433A1 | Black Alligator Clip |
| 2-06433A2 | Red Alligator Clip |
| 2-06433A3 | Blue Alligator Clip |
| 2-06433A4 | Yellow Alligator Clip |
| 2-06433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scoop |
| 2-09542A2 | Test Probe Scoop Red |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| 6-03222A | Channel 3 Blue Lead |
| 6-03322A | Channel 4 Red Lead |
| 6-07121A | Power Cord for 2-04339A Power Supply |
| EAA0418L04A | Docking Station |
| EAA0418L05A | Battery Pack |
| EAA0418L11A | Stylus with Two Spate Tips |
| EAC0054L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0054L02A | Pickup, 3-Flag, Generic COP/CIC Adaptor |
| EAC0054L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0107L19A1 | Tempered Glass Screen Protector |
| EAK0294B09A | Ignition Lead Kit |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0333L20A | Carry Case, Padded |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAK0351L01B | ZEUS™ Scan Adaptor Set, OBD-I, pre-1996 |
| EAK0351L02B | ZEUS™ European Vehicle Keys and Adaptors Kit |
| EAK0355L00A | Scan Module Sleeves and Lanyard, Rts EESM304A/SMS |
| EAX0024B30A | Pressure Transducer Cable |

| Stock No. | Description |
|-------------|---|
| EAX0024B30A | Pressure Transducer Extension Cable, 6' |
| EAX0066L22A | Adaptor Cable |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0068L27A | OBD-I O2A-6 Cable Adaptor |
| EAX0072L01A | DA-4EX OBD Cable Extender |
| EAZ0118L11A | ZEUS™ Shop Banner, 6 x 2' |
| EAZ0157L20A | Shop Banner, 6 x 2', ZEUS™ |
| EEMS301A05 | Split Lead Adaptor |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETA309A15 | Secondary Ignition, SIA2000 Adaptor |
| EETM303A05A | Inductive RPM Pickup |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| ZEUSPDAM3 | Foam Drawer Inserts, ZEUS™, KR3C 3-Series Cars |
| ZEUSPDAM4 | Foam Drawer Inserts, ZEUS™, KR3C 4-Series Cars |

ETHOS® EDGE/SOLUS LEGEND® ACCESSORIES

DIAGNOSTICS

ETHOS® Edge



ETHOS® Edge Accessories

| Stock No. | Description |
|--------------|--|
| Z-06250A | Battery Pack |
| Z-60666A | Power Supply |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0110L35A3 | Display Protectors |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tote Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAK0347L20A | Smart Vehicle Interface Adaptor Kit, BMW® |
| EAK0347L21A | Smart Vehicle Interface Adaptor Kit, DUC Adaptor |

| Stock No. | Description |
|-------------|---|
| EAK0347L22A | Smart Vehicle Interface Adaptor Kit, Harley-Davidson® |
| EAK0347L23A | Smart Vehicle Interface Adaptor Kit, Indian® and Victory® |
| EAK0347L24A | Smart Vehicle Interface Adaptor Kit, Ducati® |
| EAK0347L25A | Smart Vehicle Interface Adaptor Kit, Suzuki® |
| EAK0347L26A | Smart Vehicle Interface Adaptor Kit, Honda® |
| EAK0347L27A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-1 |
| EAK0347L28A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-2 |
| EAK0347L29A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-3 |
| EAK0347L30A | Smart Vehicle Interface Adaptor Kit, Yamaha® |
| EAK0347L35A | Smart Vehicle Interface Adaptor Kit, 150-1, All Makes |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L81A | USB Interface Cable |

SOLUS Legend

SOLUS Legend® Accessories

| Stock No. | Description |
|-------------|------------------------------------|
| EAZ0110L30A | Shop Banner, 8 x 2', SOLUS Legend® |



• Do not use in environment with explosive vapors
• Read Safety Precautions on pages W1-W4

VANTAGE® Legend ACCESSORIES



2-04650A



EAC0111L76A3



EEPV302AN



EETM306A12

VANTAGE® Legend Accessories

| Stock No. | Description |
|--------------|---|
| 1-12085A | Storage Bag |
| 2-04650A | Battery Pack |
| 2-06433A1 | Black Alligator Clip |
| 2-06433A4 | Yellow Alligator Clip |
| 2-06433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Red |
| 2-12203A | RCA Gender Adaptor |
| 2-60666A | Power Supply |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| APOVANFOAM2 | Foam Drawer Inserts, APOLLO-D8™ VANTAGE® Series for KRSC246 Cars |
| APOVANFOAM3 | Foam Drawer Inserts, APOLLO-D8™ VANTAGE® Series for 3-Series Cars |
| APOVANFOAM4 | Foam Drawer Inserts, APOLLO-D8™ VANTAGE® Series for 4-Series Cars |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0111L76A3 | Display Protectors |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tool Case |

| Stock No. | Description |
|--------------|---|
| EAX0024B10A | Pressure Transducer Cable |
| EAX0024B30A | Pressure Transducer Extension Cable, 3' |
| EAX0066L05B | USB Interface Cable |
| EEM5324P5A | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5, 100 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| SOLVANEFOAM3 | Foam Drawer Inserts, SOLUS™ Series and VANTAGE® Series for KRSC300/31/32 Series Race Cars |
| SOLVANEFOAM4 | Foam Drawer Inserts, SOLUS™ Series and VANTAGE® Series for KRSC40/46 Series Race Cars |

APOLLO D8™



2-60666A



EAK0347L21A



EAK0347L26A



EAK0347L01A

Apollo-D8™ Accessories

| Stock No. | Description |
|--------------|---|
| 2-06250A | Battery Pack |
| 2-60666A | Power Supply |
| APOVANFOAM2 | Foam Drawer Inserts, APOLLO-D8™ VANTAGE® Series for KR3C245 Car |
| APOVANFOAM3 | Foam Drawer Inserts, APOLLO-D8™ VANTAGE® Series for 3-Series Cars |
| APOVANFOAM4 | Foam Drawer Inserts, APOLLO-D8™ VANTAGE® Series for 4-Series Cars |
| EAA0355L93A | Data Cable Converter, Adaptor J1952 to DB15M |
| EAC0111L76A3 | Display Protectors |
| EAC0118L46A | Hard Shell Carry Case |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-II, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tool Case |

| Stock No. | Description |
|-------------|---|
| EAK0347L01A | Smart Vehicle interface for Harley-Davidson® |
| EAK0347L20A | Smart Vehicle interface Adaptor Kit, BMW® |
| EAK0347L21A | Smart Vehicle Interface Adaptor Kit, DLC Adaptor |
| EAK0347L22A | Smart Vehicle Interface Adaptor Kit, Harley-Davidson® |
| EAK0347L23A | Smart Vehicle Interface Adaptor Kit, Indian® and Victory® |
| EAK0347L24A | Smart Vehicle Interface Adaptor Kit, Ducati® |
| EAK0347L25A | Smart Vehicle Interface Adaptor Kit, Suzuki® |
| EAK0347L26A | Smart Vehicle Interface Adaptor Kit, Honda® |
| EAK0347L27A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-1 |
| EAK0347L28A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-2 |
| EAK0347L29A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-3 |
| EAK0347L30A | Smart Vehicle Interface Adaptor Kit, Yamaha® |
| EAK0347L35A | Smart Vehicle Interface Adaptor Kit, ISO-1, All Makes |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages 371-374.

TRITON-D₈® ACCESSORIES

TRITON-D₈®



2-06433A1



2-06433A4



2-06433A5



EAC0111L76A3



EEMS324PSA



EETM306A13

TRITON-D₈® Accessories

| Stock No. | Description |
|--------------|--|
| 1-12085A | Storage Bag |
| 2-06290A | Battery Pack |
| 2-06433A1 | Black Alligator Clip |
| 2-06433A4 | Yellow Alligator Clip |
| 2-06433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Red |
| 2-60666A | Power Supply |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0111L76A3 | Display Protectors |
| EAC0118L46A | Hard Shell Carry Case |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tool Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0024B30A | Pressure Transducer Extension Cable, 6' |

| Stock No. | Description |
|-------------|---|
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EEMS324PSA | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-8) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| TRITONPDAM3 | Foam Drawer Inserts |
| TRITONPDAM4 | Foam Drawer Inserts |

ETHOS®/ETHOS® Tech/ETHOS® PRO ACCESSORIES

ETHOS. ETHOS.Tech ETHOS® PRO



2-60666A



EAA0355L93A



EAK0301B06B

ETHOS® Tech Accessories

| Stock No. | Description |
|--------------|--|
| 2-60666A | Power Supply |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0110L35A3 | Display Protectors |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tool Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |

ETHOS® PRO Accessories

| Stock No. | Description |
|--------------|--|
| 2-60666A | Power Supply |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0110L35A3 | Display Protectors |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tool Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |

SOLUS Ultra®/SOLUS Edge™ ACCESSORIES

SOLUS Ultra® Accessories

| Stock No. | Description |
|-------------|---|
| 2-04650A | Battery Pack |
| 2-60666A | Power Supply |
| EAA035L10A | GM®-1 Adaptor |
| EAA035L20C | Ford®-1A Adaptor |
| EAA035L30A | Chrysler®-1 Adaptor |
| EAA035L31A | Chrysler®-2 Adaptor |
| EAA035L40A | Nissan®-1 Adaptor |
| EAA035L42A | Multi-2 Import Adaptor |
| EAA035L49A | Jeep®-1 Adaptor |
| EAA035L50A | Toyota®-1 Adaptor |
| EAA035L51A | Hyundai®-2 Adaptor |
| EAA035L52A | Toyota®-2 Adaptor |
| EAA035L53A | Mazda®-1 Adaptor |
| EAA035L56A | VW®-1 Adaptor |
| EAA035L58A | Nissan®-2 Adaptor |
| EAA035L62A | Mercedes-Benz® Adaptor |
| EAA035L70A | Ford®-4 Adaptor |
| EAA035L74A | BMW® Adaptor |
| EAA035L79A | MB-2A Adaptor |
| EAA035L90B | Multi-1 Universal Adaptor |
| EAA035L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC011L40A3 | Screen Guards, SOLUS Ultra® |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L07A | Power Sports, Battery Clip, Charger Connector, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L41A | Ground Leads |
| EAX0066L43A | Adaptor Wire Terminal Kit |
| EAX0066L10B | Cable, Data, Extended Length, 9' |

SOLUS Ultra. SOLUS Edge



2-04650A



2-04650A



EAC011L40A3



EAK0301B07D



EAX0066L05B

SOLUS Edge™ Accessories

| Stock No. | Description |
|--------------|--|
| 2-06250A | Battery Pack |
| 2-60666A | Power Supply |
| EAA035L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC011L76A3 | Display Protectors |
| EAC0118L46A | Hard Shell Carry Case |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tool Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L10B | Cable, Data, Extended Length, 9' |
| SOLVANEFOAM3 | Foam Drawer Inserts, SOLUS™ Series and VANTAGE® Series for KRSC3031/32 Series Roll Carts |
| SOLVANEFOAM4 | Foam Drawer Inserts, SOLUS™ Series and VANTAGE® Series for KRSC4046 Series Roll Carts |



EAX0066L07A



EAX0066L10B



EAX0066L10B



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1-W4.

VANTAGE® Ultra/ VANTAGE® Legend ACCESSORIES

VANTAGE® Ultra
VANTAGE® Legend



EAC0056L00A



EESX306A



1-12085A



6-03022A



EEMS324P5A



EETA309A05A



EEPV302AH



EETM306A11

VANTAGE® Ultra/ VANTAGE® Legend Accessories

| Stock No. | Description |
|--------------|--|
| 1-12085A | Storage Bag |
| 2-04650A | Battery Pack |
| 2-06433A1 | Black Alligator Clip |
| 2-06433A4 | Yellow Alligator Clip |
| 2-06433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Red |
| 2-60666A | Power Supply |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| APOVANFOAM2 | Foam Drawer Inserts, APOLLO-D8™/VANTAGE® Series for KRSC248 Cart |
| APOVANFOAM3 | Foam Drawer Inserts, APOLLO-D8™/VANTAGE® Series for 3-Series Carts |
| APOVANFOAM4 | Foam Drawer Inserts, APOLLO-D8™/VANTAGE® Series for 4-Series Carts |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0111L76A3 | Display Protectors |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tote Case |
| EAX0024B10A | Pressure Transducer Cable |
| EAX0024B30A | Pressure Transducer Extension Cable, E |

| Stock No. | Description |
|--------------|---|
| EAX0064L05B | USB Interface Cable |
| EEMS324P5A | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EESX306A | Generator Diagnostic Waveform |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETA308D | Precision Low Amp Probe |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A04 | Adaptor, Ignition Coil, Chrysler® (COP-2) |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A06 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| SOLVANEFOAM3 | Foam Drawer Inserts, SOLUS™ Series and VANTAGE® Series for KRSC30/31/32 Series Roll Carts |
| SOLVANEFOAM4 | Foam Drawer Inserts, SOLUS™ Series and VANTAGE® Series for KRSC40/46 Series Roll Carts |

MODIS™ Edge/ P1000™ ACCESSORIES

MODIS™ Edge



EAC0056L03A



EEPV302AH



EETM306A02



EETM306A14

MODIS Edge™ Accessories

| Stock No. | Description |
|--------------|--|
| 1-12089A | Storage Bag |
| 2-06250A | Battery Pack |
| 2-04433A1 | Black Alligator Clip |
| 2-04433A4 | Yellow Alligator Clip |
| 2-04433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Red |
| 2-60666A | Power Supply |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0111L76A3 | Display Protectors |
| EAC0118L46A | Hard Shell Carry Case |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tote Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0024R30A | Pressure Transducer Extension Cable, 8' |

| Stock No. | Description |
|-------------|--|
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EEM5324PSA | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| MODISEFOAM3 | Foam Drawer Inserts, MODIS Edge™, KRSC3031/32/33 Series Roll carts |
| MODISEFOAM4 | Foam Drawer Inserts, MODIS Edge™, KRSC4046 Series Roll carts |

P1000™ ACCESSORIES



EAK0347L30A



EAX0066L07A



EAX0066L10B

P1000™ Accessories

| Stock No. | Description |
|--------------|---|
| 2-06250A | Battery Pack |
| 2-60666A | Power Supply |
| EAC0110L35A3 | Display Protectors |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tote Case |
| EAK0347L20A | Smart Vehicle Interface Adaptor Kit, BMW® |
| EAK0347L21A | Smart Vehicle Interface Adaptor Kit, DLC Adaptor |
| EAK0347L22A | Smart Vehicle Interface Adaptor Kit, Harley-Davidson® |
| EAK0347L23A | Smart Vehicle Interface Adaptor Kit, Indian® and Victory® |

| Stock No. | Description |
|-------------|---|
| EAK0347L24A | Smart Vehicle Interface Adaptor Kit, Ducat® |
| EAK0347L25A | Smart Vehicle Interface Adaptor Kit, Suzuki® |
| EAK0347L26A | Smart Vehicle Interface Adaptor Kit, Honda® |
| EAK0347L27A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-1 |
| EAK0347L28A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-2 |
| EAK0347L29A | Smart Vehicle Interface Adaptor Kit, Kawasaki®-3 |
| EAK0347L30A | Smart Vehicle Interface Adaptor Kit, Yamaha® |
| EAK0347L35A | Smart Vehicle Interface Adaptor Kit, ISO-1, All Makes |
| EAX0066L07A | Power Sports, Battery Clip, Charger Connector, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L81A | USB Interface Cable |

WARNING



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1-W7.

MODIS™ ULTRA ACCESSORIES




2-04650A

2-09542A1

2-09542A2



EAC0111L76A3



EETM306A05



EETM306A14

MODIS™ Ultra Accessories

| Stock No. | Description |
|-------------|--|
| 2-04650A | Battery Pack |
| 2-06433A1 | Black Alligator Clip |
| 2-06433A4 | Yellow Alligator Clip |
| 2-06433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Red |
| 2-12203A | RCA Gender Adaptor |
| 2-60666A | Power Supply |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| 8-09024A | Nylon Carry Bag |
| EAA0355L10A | GM®-1 Adaptor |
| EAA0355L20C | Ford®-1A Adaptor |
| EAA0355L30A | Chrysler®-1 Adaptor |
| EAA0355L31A | Chrysler®-2 Adaptor |
| EAA0355L40A | Nissan®-1 Adaptor |
| EAA0355L42A | Multi-2 Import Adaptor |
| EAA0355L49A | Jeep®-1 Adaptor |
| EAA0355L50A | Toyota®-1 Adaptor |
| EAA0355L51A | Hyundai®-2 Adaptor |
| EAA0355L52A | Toyota®-2 Adaptor |
| EAA0355L53A | Mazda®-1 Adaptor |
| EAA0355L54A | VW®-1 Adaptor |
| EAA0355L58A | Nissan®-2 Adaptor |
| EAA0355L62A | Mercedes-Benz® Adaptor |
| EAA0355L70A | Ford®-4 Adaptor |
| EAA0355L74A | BMW® Adaptor |
| EAA0355L75A | MB-2A Adaptor |
| EAA0355L90B | Multi-1 Universal Adaptor |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |

| Stock No. | Description |
|--------------|---|
| EAC0111L76A3 | Display Protector |
| EAC0131L00A | Cable Hook |
| EAK0301B06B | European Vehicle Personalized Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, CBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tote Case |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0024B10A | Pressure Transducer Cable |
| EAX0024B30A | Pressure Transducer Extension Cable, 6' |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L05B | USB Interface Cable |
| EAX0066L07A | Power Sports, Battery Clip, Charger Connector, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L41A | Ground Leads |
| EAX0066L43A | Adaptor Wire Terminal Kit |
| EEMS324PSA | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |

VERDICT® ACCESSORIES

VERDICT®

DIAGNOSTICS



EAA0365L06A



EAC0107L03A5



EAK0301B14A



EETA308D



EAK0301L03A



EETM306A09

VERDICT®

VERDICT® Accessories

| Stock No. | Description |
|--------------|---|
| 6-07121A | Power Cord for 2-04139A Power Supply |
| EAA0365L01A | Docking Station |
| EAA0365L06A | Battery Pack, Extended Life |
| EAC0107L03A5 | Screen Protector Sheets, VERDICT® |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adapter Set, OBD-II, Pre-1996 |
| EAK0301B14A | Scope/Meter, Two Channel, M2 |
| EAK0301L01A1 | Scope/Meter Power Supply, Replacement, AC, with Cord |
| EAK0301L03A | Test Leads, Scope/Meter, Replacement |
| BEM9324PSA | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapors.
- Read Safety Precautions on pages W1-W4.

VERUS® Edge ACCESSORIES

VERUS® Edge



6-03022A



EAK0301B06B



EETA309A15



VERUSEFOAM3

VERUS® Edge Accessories

| Stock No. | Description |
|--------------|--|
| 2-04339A | Power Supply |
| 2-06433A1 | Black Alligator Clip |
| 2-06433A2 | Red Alligator Clip |
| 2-06433A3 | Blue Alligator Clip |
| 2-06433A4 | Yellow Alligator Clip |
| 2-06433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Rod |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| 6-03222A | Channel 3 Blue Lead |
| 6-03322A | Channel 4 Red Lead |
| 6-07121A | Power Cord for 2-04339A Power Supply |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAA0418L04A | Docking Station |
| EAA0418L05A | Battery Pack |
| EAA0418L11A | Stylus with Two Spare Tips |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L02A | Pickup, 3-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0107L19A1 | Tempered Glass Screen Protector |
| EAK0294B09A | Ignition Lead Kit |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0333L20A | Carry Case, Padded |

| Stock No. | Description |
|-------------|---|
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAX0024B10A | Pressure Transducer Cable |
| EAX0024B30A | Pressure Transducer Extension Cable, 6' |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L10B | Cable, Data, Extended Length, 9' |
| EEMS301A05 | Split Lead Adaptor |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETA309A15 | Secondary Ignition, SIA2000 Adaptor |
| EETM303A05A | Inductive RPM Pickup |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| VERUSEFOAM3 | Foam Drawer Inserts, VERUS® Edge, KRSC 3-Series Carts |
| VERUSEFOAM4 | Foam Drawer Inserts, VERUS® Edge, KRSC 4-Series Carts |



VERUS® PRO Accessories

| Stock No. | Description |
|-------------|---|
| 2-06433A1 | Black Alligator Clip |
| 2-06433A2 | Red Alligator Clip |
| 2-06433A3 | Blue Alligator Clip |
| 2-06433A4 | Yellow Alligator Clip |
| 2-06433A5 | Green Alligator Clip |
| 2-09542A1 | Test Probe Scope |
| 2-09542A2 | Test Probe Scope Red |
| 2-12203A | RCA Gender Adaptor |
| 3-06206A02 | Stylus, Nylon, Black (2-pack) |
| 6-03022A | Channel 1 Yellow/Black Lead |
| 6-03122A | Channel 2 Green/Black Lead |
| 6-03222A | Channel 3 Blue Lead |
| 6-03322A | Channel 4 Red Lead |
| 6-07121A | Power Cord for 2-04339A Power Supply |
| 6-10622A | M4 USB Cable (3') |
| 8-09024A | Nylon Carry Bag |
| EAA0355L10A | GM®-1 Adaptor |
| EAA0355L20C | Ford®-1A Adaptor |
| EAA0355L30A | Chrysler®-1 Adaptor |
| EAA0355L31A | Chrysler®-2 Adaptor |
| EAA0355L40A | Nissan®-1 Adaptor |
| EAA0355L42A | Multi-2 Import Adaptor |
| EAA0355L49A | Jeep®-1 Adaptor |
| EAA0355L50A | Toyota®-1 Adaptor |
| EAA0355L51A | Hyundai®-2 Adaptor |
| EAA0355L52A | Toyota®-2 Adaptor |
| EAA0355L53A | Mazda®-1 Adaptor |
| EAA0355L56A | VW®-1 Adaptor |
| EAA0355L58A | Nissan®-2 Adaptor |
| EAA0355L62A | Mercedes-Benz® Adaptor |
| EAA0355L70A | Ford®-4 Adaptor |
| EAA0355L74A | BMW® Adaptor |
| EAA0355L75A | MB-2A Adaptor |
| EAA0355L90B | Multi-1 Universal Adaptor |
| EAA0355L93A | Data Cable Converter Adaptor J1952 to DB15M |
| EAA0365B02B | Hard Shell Carry Case |
| EAA0365L04A | Docking Station |
| EAA0365L06A | Battery Pack, Extended Life |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |

| Stock No. | Description |
|-------------|---|
| EAC0056L02A | Pickup, 3-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0131L00A | Cable Hook |
| EAK0288B04B | OBD-II Domestic/Asian Vehicle Adaptor Kit 1 |
| EAK0294B09A | Ignition Lead Kit |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B08A | OBD-II Domestic/Asian Vehicle Adaptor Kit 2 |
| EAK0312L19A | Carry Case, Padded |
| EAK0347L01A | Smart Vehicle Interface for Harley-Davidson® |
| EAK0355L10B | Compact Scan Module EESM316B |
| EAX0024B10A | Pressure Transducer Cable |
| EAX0024B30A | Pressure Transducer Extension Cable, 6' |
| EAX0066L04B | Power Cable, Battery Clip, 12 V |
| EAX0066L07A | Power Sports, Battery Clip, Charger Connector, 12 V |
| EAX0066L10B | Power Cable, Power Outlet Plug, 12 V |
| EAX0066L22A | Adaptor Cable |
| EAX0066L41A | Ground Leads |
| EAX0066L43A | Adaptor Wire Terminal Kit |
| EAX0066L02A | Wireless Scan Module USB Cable |
| EAX0066L10B | Cable, Data, Extended Length, 9' |
| EEM5301A05 | Split Lead Adaptor |
| EEM5324PSA | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA308D | Precision Low Amp Probe |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETA309A15 | Secondary Ignition, SIA200B Adaptor |
| EETM303A05A | Inductive RPM Pickup |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-6) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1-W4.

SCOPE AND METER ACCESSORIES



WE SEE INSIDE YOUR ENGINE.
 The 30' borescope you need will be shown
 with many others.

553296

Service Banners

- Shows your customers that the shop is well equipped with the latest diagnostic and information technology to do the job right the first time
 - Big, bright, full-color 8" L x 2" H shop banner
 - Durable, heavy 15 oz ultra-flex vinyl with reinforced grommets for easy hanging
- EAZ0042B17A ShopKey® Shop Banner, 8 x 2'**
- Service banners show your capability and pride
- EAZ0110L30A Shop Banner, 8 x 2', SOLUS Legend®**

- EAZ0118L11A ZEUS™ Shop Banner, 8 x 2'**
EAZ0120L03A Shop Banner, 8 x 2', TRITON-D10™
EAZ0120L16A Shop Banner, 8 x 2', APOLLO-D9™
EAZ0157L20A Shop Banner, 8 x 2', ZEUS™
EAZ0157L21A Shop Banner, 8 x 2',
Diagnostics Marketing
SS153502 Smart Smoke® Machine Shop Banner
SS3296 Shop Banner, Borescope



EAK0312L19A



EAK0313L05A



EAK0333L20A



EAX0024B30A



EAX0066L07A



EETM306A09

MODIS Edge™, TRITON-D8® Accessories

| Stock No. | Description |
|--------------|--|
| 2-06250A | Battery Pack |
| EAA0355L93A | Data Cable Converter, Adaptor J1962 to DB15M |
| EAC0056L00A | Pickup, 1-Flag, Generic COP/CIC Adaptor |
| EAC0056L02A | Pickup, 3-Flag, Generic COP/CIC Adaptor |
| EAC0056L03A | Pickup, Stick, Generic COP/CIC Adaptor |
| EAC0118L46A | Hard Shell Carry Case |
| EAC0118L76A3 | Display Protectors |
| EAK0301B06B | European Vehicle Personality Key Kit |
| EAK0301B07D | European Vehicle Keys and Adaptors Kit |
| EAK0301B10B | Scan Adaptor Set, OBD-I, Pre-1996 |
| EAK0312L19A | Carry Case, Padded |
| EAK0313L05A | Compact Tool Case |
| EAK0333L20A | Carry Case, Padded |
| EAX0024B10A | Pressure Transducer Cable |
| EAX0024B30A | Pressure Transducer Extension Cable, 8' |
| EAX0066L07A | Power Socket, Battery Clip, Charger Connector, 12V |
| EAX0066L81A | USB Interface Cable |
| EEMS324PSA | Adaptor, Pressure Transducer |
| EEPV302AH | Pressure Transducer with Cable, 0-5,000 PSI |

| Stock No. | Description |
|-------------|---|
| EEPV302AL | Pressure Transducer with Cable, 0-100 PSI |
| EEPV302AT | Pressure Transducer with Cable, 0-500 PSI |
| EETA309A05A | Secondary Coil Adaptor Lead |
| EETA308D | Precision Low Amp Probe |
| EETM306A02 | Secondary Ignition Clip-On Wire Adaptor |
| EETM306A05 | CIC-2 Ignition Pickup |
| EETM306A08 | Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4) |
| EETM306A09 | Adaptor, Ignition Coil, Volvo®/BMW® (COP-5) |
| EETM306A10 | Adaptor, Ignition Coil, Mercedes-Benz® (COP-6) |
| EETM306A11 | Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7) |
| EETM306A12 | Adaptor, Ignition Coil, BMW® (COP-8) |
| EETM306A13 | Adaptor, Ignition Coil, Lexus® (COP-9) |
| EETM306A14 | Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11) |
| MODISEFOAM3 | Foam Drawer Inserts, MODIS Edge™, KR3C30/31/32/33 Series Roll carts |
| MODISEFOAM4 | Foam Drawer Inserts, MODIS Edge™, KR3C40/46 Series Roll carts |

Coil-On-Plug (COP) Ignition Coil Adaptors

EETM306A08 Adaptor, Ignition Coil, Acura®/Honda®/Isuzu® (COP-4)

- Fits 1996-1999 Acura® SLX and Honda® Passport® and 1997-1999 Isuzu® Amigo, Rodeo® and Trooper; can also be used on the front cylinder bank of 1994-1999 Nissan® Maxima® with a 3.0 L engine

EETM306A09 Adaptor, Ignition Coil, Volvo®/BMW® (COP-5)

- Fits 1992-1997 Volvo® 960; 1998 Volvo® S90 and V90; and 1999-2000 Volvo® S70, V70, S80 and V80; also fits BMW® models with 11-860 Series Bremi coils, 0040100002 Series Beru coils and 0221504004 Series Bosch® coils

EETM306A10 Adaptor, Ignition Coil, Mercedes-Benz® (COP-6)

- Fits 1996-1999 S600®, SL600, and CL600 models with an M120 engine; and 1996-1997 E420, S420, S500® and SL500® with an M119 engine

EETM306A11 Adaptor, Ignition Coil, Mercedes-Benz® Dual (COP-7)

- Fits 1998-2000 Mercedes-Benz® models with the M112 and M113 engines

EETM306A12 Adaptor, Ignition Coil, BMW® (COP-8)

- Fits all BMW® vehicles with Bremi 11-852 and 11-856 series coils, and all BMW® vehicles with Zündspule coils.

EETM306A13 Adaptor, Ignition Coil, Lexus® (COP-9)

- Fits 1998-2001 GS400/L5400 models with a 1UZ-FE engine; 1998-2001 LX470 models with a 2UZ-FE engine and all other models equipped with Lexus® coil part number 90919-02228

EETM306A14 Adaptor, Ignition Coil, Chrysler®/Jeep®/Lexus®/Toyota® (COP-11)

- For use on Chrysler®, Jeep®, Lexus® and Toyota® vehicles



EETM306A08

Scan Tool Accessories

EETM303A05A Inductive RPM Pickup

- Connects to the DB9F connector (AUX)
- Use to trigger a waveform or view RPM

EETM306A02 Secondary Ignition Clip-On Wire Adaptor

- Connects the optional Secondary Coil Adaptor Lead to the vehicle's secondary wire
- Use to view an ignition pattern

EETA309A05A Secondary Coil Adaptor Lead

- Connects to the optional secondary adaptors to display secondary waveforms



EETM303A05A

EETM306A02



EETA309A05A

Coil-In-Cap (CIC) Ignition Coil Adaptors

EETM306A05 CIC-2 Ignition Pickup

- The kV Module CIC-2 adaptor is designed to work with most Toyota® and some Honda® Coil-In-Cap systems



EETM306A05



EAX0024B40A



EEMS324PSA



EEPV302AT



EAX0024B30A

Pressure Transducers Kits

EAX0024B40A Transducer Y Adaptor Cable

- Permits simultaneous connection of two transducers for multiple tests

EEMS324PSA Adaptor, Pressure Transducer

- Adapts standard meter jacks to EEPV302AL, EEPV302AT and EEPV302AH pressure transducers (not included)
- Provides connection of a transducer plug to standard meter jacks and provides power to the pressure transducers
- Use up to two transducers simultaneously
- View results on VANTAGE® and Triton-D₈® test meters

EEPV302AH Pressure Transducer with Cable, 0-5,000 PSI

- Typical applications include ABS, PS, transmissions, hydraulics and fuel systems
- ZEUS™, VERUS® Edge and VERUS® PRO require EEMS301A05
- TRITON-D₈®, MODIS™ Ultra/MODIS™ Edge/VANTAGE® Ultra require EEMS324PSA

EEPV302AL Pressure Transducer with Cable, 0-100 PSI

- Typical applications include ABS, PS, transmissions, hydraulics and fuel systems
- ZEUS™, VERUS® Edge, and VERUS® PRO require EEMS301A05
- MODIS Edge™/MODIS Ultra™/TRITON-D₈®/TRITON-D₈™/VANTAGE® Ultra/VANTAGE® Legend/VERDICT® require EEMS324PSA

EEPV302AT Pressure Transducer with Cable, 0-500 PSI

- 0-500 PSI
- Typical applications include ABS, PS, transmissions, hydraulics and fuel systems
- ZEUS™, VERUS® Edge, and VERUS® PRO require EEMS301A05
- TRITON-D₈®, MODIS™ Ultra, MODIS™ Edge and VANTAGE® Ultra require EEMS324PSAA

EAX0024B30A Pressure Transducer Extension Cable, 6'

- Allows operation of the meter from the driver's seat during road testing
- 6' length



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1-W6

SCOPE AND METER ACCESSORIES



EESX306A

WaveForm Demonstration Tool**EESX306A Generator, Diagnostic Waveform**

- Versatile scope training/demo tool
- Use with any scope
- Simulates good waveforms, bad waveforms and glitches
- Square wave, variable duty, FI pattern, AC signal and secondary ignition pattern
- Adjustable frequency, voltage, RPM and amplitude



EETA308D



EEMS301A05

Probes and Adaptors**EETA308D Precision Low Amp Probe**

- Hall effect technology gives accurate, non-intrusive circuit testing
- Performs precision testing of parasitic draw, injectors, pumps, relays and more
- Spring clamp operation can test wires up to 1/2" dia.
- Scale ranges: 20 and 60 A
- Resolution: ± 1 mA
- Internally powered by a 9 V battery

EEMS301A05 Split Lead Adaptor

- Adapts standard meter jacks to EEPV302AL, EEPV302AT and EEPV302AH pressure transducers (not included)
 - Provides connection of a transducer plug to standard meter jacks and provides power to the pressure transducers
 - Use up to two transducers simultaneously
 - View results on ZEUS™ and VERUS® test meters
 - Connection for RPM lead
 - Connection for RPM lead
- 6-03622A01 Split Lead Adaptor for ZEUS+™**



EAC0056L00A



EAC0056L02A



EAC0056L03A

Multi-Cylinder Secondary Ignition Scope Adaptors

Exclusive kV Ignition adaptors make for easy connection and testing of secondary ignition on coil-on-plug (COP) and coil-in-cap (CIC) systems. Custom fit to vehicle Ignitor systems. Requires EAK0294B09A ignition scope lead kit.

EAC0056L00A Pickup, 1-Flag, Generic COP/CIC Adaptor

- Use with 3-flag pick up for 4-cylinder engines or use two with two 3-flag pickups for V8 engines
- Single-cylinder pickup

EAC0056L01A 2-Flag Pickup**EAC0056L02A Pickup, 3-Flag, Generic COP/CIC Adaptor**

- Use two for 6-cylinder engines
- EAC0056L03A Pickup, Stick, Generic COP/CIC Adaptor**
- Use with straight 4-cylinder engines
 - Three-cylinder pickup
 - Use two for V6 engines or use two with single-cylinder pickup for V8 engines



EETA309A15



EAK0294B09A

Secondary Ignition Adaptors**EETA309A15 Secondary Ignition, SIA2000 Adaptor**

- Distributorless ignition kit for waste spark and direct ignition systems
- Displays and labels cylinder firings in series across one channel for direct ignition and two channels for waste spark systems
- Direct ignition systems also require optional ignition coil adaptors

2-12203A RCA Gender Adaptor**EAK0294B09A Ignition Lead Kit**

- For multi-cylinder secondary ignition testing
- Includes an inductive RPM pickup trigger, coil adaptor lead and secondary kV clip-on probe
- Ideal for distributor systems and for COP/CIC systems

Adaptors and Pickups

MTTL430 Back Probe Adaptors (3 pack)

- Bendable stainless steel tips for easy insertion into terminal connectors
- Three ID boot colors for quick circuit identification
- Premium component construction—stainless steel tips, high-temperature composite and boot materials for a long, reliable life
- Textured composite body for a good grip
- Recessed loop ends for a fast and reliable connection using alligator clips, grabbers or hook connections
- Removable boots enable custom color selections or restoring color to tired and dirty used boots with the MTTLBOOTS multi-pack of boots
- Portable storage strip holds all three probes



MTTL430

Test Leads

- Shielded, soft, flexible leads for meter and scope measurement
- Stackable, right angle ground plug is attached

6-03022A Channel 1 Yellow/Black Lead

6-03122A Channel 2 Green/Black Lead

6-03222A Channel 3 Blue Lead

6-03322A Channel 4 Red Lead



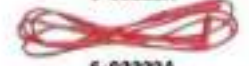
6-03022A



6-03122A



6-03222A



6-03322A

Alligator Clips

- Spring loaded clips provide secure, insulated connection for meter and scope measurements

2-06433A1 Black Alligator Clip

2-06433A2 Red Alligator Clip

2-06433A3 Blue Alligator Clip

2-06433A4 Yellow Alligator Clip

2-06433A5 Green Alligator Clip



2-06433A1



2-06433A2



2-06433A3



2-06433A4



2-06433A5

Scanner Adaptors

- EAA0355L10A GM®-1 Adaptor**
- EAA0355L20C Ford®-1A Adaptor**
- EAA0355L30A Chrysler®-1 Adaptor**
- EAA0355L31A Chrysler®-2 Adaptor**
- EAA0355L40A Nissan®-1 Adaptor**
- EAA0355L42A Multi-2 Import Adaptor**
- EAA0355L46C Replacement OBD-II Key Adaptor**
- EAA0355L49A Jeep®-1 Adaptor**
- EAA0355L50A Toyota®-1 Adaptor**
- EAA0355L51A Hyundai®-2 Adaptor**
- EAA0355L52A Toyota®-2 Adaptor**
- EAA0355L53A Mazda®-1 Adaptor**
- EAA0355L56A VW®-1 Adaptor**
- EAA0355L58A Nissan®-2 Adaptor**
- EAA0355L62A Mercedes-Benz® Adaptor**
- EAA0355L68A DL-16 Key Adaptor-European Vehicles**
- EAA0355L70A Ford®-4 Adaptor**
- EAA0355L74A BMW® Adaptor**
- EAA0355L75A MB-2A Adaptor**
- EAA0355L90B Multi-1 Universal Adaptor**
- EAX0066L41A Ground Leads**
- EAX0066L43A Adaptor Wire Terminal Kit**



EAK0301B08A

Optional Scanner Adaptor Sets

EAK0301B08A OBD-I Domestic/Asian Vehicle Adaptor Kit 2

- OBD-I vehicle adaptor kit for SOLUS Ultra®
- Connectors include the most popular 1980–newer US and 1983–newer Asian vehicles
- Deep coverage, with codes, live data, functional tests and reset/relearn capabilities
- Coverage for major vehicle systems, including engine, body, transmission, airbag, suspension, ABS, instrument, climate control, security, lighting and more
- Kit includes a data cable and the most popular OBD-I adaptors: Multi-1, Ford® 1B, Ford® 4, GM® 1, Toyota® 1, Toyota® 2, Nissan® 1, Nissan® 2, Mazda® 1, Honda® 1, Mitsubishi® 1

**WARNING**

- Do not use in environment with explosive vapors.
- Read Safety Precautions on pages W1–W6.

SCAN TOOL ACCESSORIES



EAA0355L48C



EAK0301B07D

Scan Tool Accessories

EAA0355L48C Replacement OBD-II Key Adaptor

- For US and Asian vehicle applications
- Accepts K personality keys
- Fits VERUS[®], MODIS[™] and SOLUS PRO[™] diagnostic units

EAA0355L68A DL-16 Key Adaptor-European Vehicles

- Replacement adaptor for European vehicle applications
- Accepts S personality keys
- Fits VERUS[®], MODIS[™], SOLUS PRO[™], SOLUS[™] and ETHOS[®] diagnostic units

EAK0288B04B OBD-I Domestic/Asian Vehicle Adaptor Kit 1

- For US and Asian applications
- Includes the following communication adaptors: Chrysler[®] 1, Chrysler[®] 2, Jeep[®] 1, Import Multi-2, Hyundai[®] 2, ground leads and jumper leads
- Extends the capability of Snap-on[®] diagnostic platforms to cover early model vehicles as far back as 1980 (varies by make)

EAK0301B07D European Vehicle Keys and Adaptors Kit

- For use with Snap-on[®] scan tools except ZEUS[™]

EAK0301B10B Scan Adaptor Set, OBD-I, Pre-1996

- OBD-I scan adaptor master kit for pre-1996 US and Asian vehicles
- Complete adaptor set of all available Snap-on[®] OBD-I adaptors for 1980–newer US and 1983–newer Asian vehicles
- Takes advantage of the OBD-I scanner coverage built into the diagnostic tool
- Kit includes a data cable convertor, jumper lead set, ground lead, 12 V DC adaptor and (17) OBD-I adaptors for: Multi-1, Multi-2, Kia[®] 2, Ford[®] 1B, Ford[®] 4, GM[®] 1, Toyota[®] 1, Toyota[®] 2, Nissan[®] 1, Nissan[®] 2, Mazda[®] 1, Honda[®] 1, Mitsubishi[®] 1, Chrysler[®] 1, Chrysler[®] 2, Jeep[®] 1 and Hyundai[®] 2
- UL[®] and cUL listed

EAK0347L01A Smart Vehicle Interface for Harley-Davidson[®]

- Smart Vehicle Interface connects to Harley-Davidson[®] motorcycles—provides vehicle connection and activates software coverage
- Comprehensive coverage for all major systems on 2000–newer motorcycles, including engine, ABS, hands-free security, turn signal security, hand control module, body controls, instrument, speedometer, tachometer and more
- Read and clear OEM-specific fault codes, perform One-Touch Code Scan for all available systems and powerful functional tests to verify repairs, and display live data in digital and graphing views
- Includes both 4-pin and 6-pin standard connectors for Harley-Davidson[®] motorcycles

- Compatible with any Snap-on[®] diagnostic platform (except SOLUS PRO[™]) with upgrade 17.2 or newer
- Verify component operation with a wide range of functional tests: throttle position, cruise control, idle speed, bleed brakes, ABS, fuel pump, reset PIN, key reprogram, side car, gauges and more
- Handy support hook helps keep the Smart Interface safe from hot pipes and moving parts
- Includes Smart Vehicle Interface with 4-pin and 6-pin connectors, dust caps, support hook, 12 V DC power connector and a nylon case

EAK0347L20A Smart Vehicle Interface Adaptor Kit, BMW[®]**EAK0347L21A Smart Vehicle Interface Adaptor Kit, DLC Adaptor****EAK0347L22A Smart Vehicle Interface Adaptor Kit, Harley-Davidson[®]****EAK0347L23A Smart Vehicle Interface Adaptor Kit, Indian[®] and Victory[®]****EAK0347L24A Smart Vehicle Interface Adaptor Kit, Ducati[®]****EAK0347L25A Smart Vehicle Interface Adaptor Kit, Suzuki[®]****EAK0347L26A Smart Vehicle Interface Adaptor Kit, Honda[®]****EAK0347L27A Smart Vehicle Interface Adaptor Kit, Kawasaki[®]-1****EAK0347L28A Smart Vehicle Interface Adaptor Kit, Kawasaki[®]-2****EAK0347L29A Smart Vehicle Interface Adaptor Kit, Kawasaki[®]-3****EAK0347L30A Smart Vehicle Interface Adaptor Kit, Yamaha[®]****EAK0347L35A Smart Vehicle Interface Adaptor Kit, ISO-1, All Makes****EAX0066L04B Power Cable, Battery Clip, 12 V****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor****EAX0066L10B Power Cable, Power Outlet Plug, 12 V****EAX0066L50A Replacement Data Cable****EETM306A02 Secondary Ignition Clip-On Wire Adaptor**

DIAGNOSTIC KEYS

Domestic/Asian Personality Keys

| Upgrade | Key No. | Most Common Make Supported | Stock No. |
|-----------------|---------|--|-------------|
| 17.2 | K-70 | Harley-Davidson® | EAP0283L70A |
| 16.2 | K-33 | Ram Promaster®/Hyundai®/Kia® | EAP0283L60A |
| 15.4 | K-32 | Mitsubishi® Electric | EAP0283L45A |
| 12.4 | K-29 | GM® Extended CAN | EAP0283L20A |
| 11.2 | K-28 | Nissan® Altima® Hybrid | EAP0283L10A |
| 9.2 | K-7A | Chrysler®/Mitsubishi® | EAP0268L65A |
| | K-27 | Chrysler®/Mitsubishi® | EAP0268L75A |
| 7.2 | K-20 | Global OBD-II CAN | EAP0234E45A |
| | K-25 | Chrysler® | EAP0268L15A |
| 6.4 | K-24 | Honda® | EAP0268L08A |
| 6.2 | K-21 | GM® | EAP0234E80A |
| | K-22 | Chrysler® | EAP0234E90A |
| 5.2 | K-18 | CAN Protocol Vehicles | EAP0234E35A |
| 4.4 | K-17 | Ford®/GM®/Toyota®/Nissan®/Mazda®/ Hyundai®/Kia®/Mitsubishi® | EAP0234E25A |
| 4.2 | K-16 | Ford® | EAP0257B00A |
| 4.1 and earlier | K-5A | Hyundai® | MT50780507 |
| | K-7 | Mitsubishi® | MT50780701 |
| | K-9 | GM® | MT50780901 |
| | K-12A | GM® | MT50781202 |
| | K-15 | Mitsubishi® | MT50781501 |
| — | K-13A | Chrysler® | EAP0257B10A |
| — | K-8 | Chrysler® | MT50780801 |
| — | S-39 | BMW® | EAP0234E15A |
| — | K-18 | Honda® SRS® | EAP0234E30A |

European Personality Keys

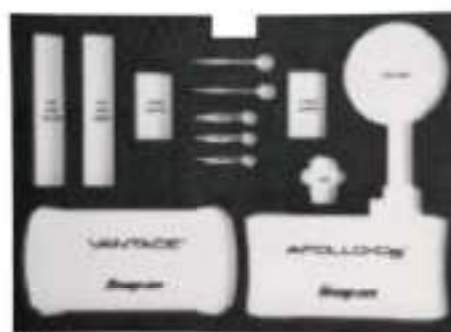
| Upgrade | Key No. | Most Common Make Supported | Stock No. |
|-----------------|---------|----------------------------|-------------|
| 15.2 | S-53 | Fiat® Dual Wire CAN | EAP0268L50A |
| 14.2 | S-26 | Porsche® | EAP0283L40A |
| 11.2 | S-49 | Volk® Dual CAN | EAP0283L05A |
| 10.4 | S-45 | Land Rover® | EAP0234E55A |
| | S-42 | Land Rover® | EAP0268L55A |
| | S-25 | Land Rover® | MT2500S25 |
| 4.1 and earlier | S-28 | BMW®/Land Rover® | MT2500S28 |
| | S-4 | Mercedes-Benz®/Volkswagen® | MT2500S4 |

STORAGE

Custom-Fit Foam Organizers

- Turn a tool cart into a high-power mobile workcenter
- Set of drawer organizers holds a diagnostic platform and all standard accessories, plus room for many optional accessories
- Drawer organizers fit 3-Series and 4-Series KRSC roll carts

| Stock No. | Fits Diagnostic Tools | Fits Roll Carts |
|--------------|--------------------------------|-----------------|
| APOVANFOAM3 | APOLLO-D8™/VANTAGE® Series Set | KRSC 3-Series |
| APOVANFOAM4 | APOLLO-D8™/VANTAGE® Series Set | KRSC 4-Series |
| APOD9FOAM3 | APOLLO-D9™/VANTAGE® Series Set | KRSC 3-Series |
| APOD9FOAM4 | APOLLO-D9™/VANTAGE® Series Set | KRSC 4-Series |
| MODISEFOAM3 | MODIS Edge™ Set | KRSC 3-Series |
| MODISEFOAM4 | MODIS Edge™ Set | KRSC 4-Series |
| SOLVANEFOAM3 | SOLUS Edge™/VANTAGE® Series | KRSC 3-Series |
| SOLVANEFOAM4 | SOLUS Edge™/VANTAGE® Series | KRSC 4-Series |
| TRITONFOAM3 | TRITON-D8® Set | KRSC 3-Series |
| TRITONFOAM4 | TRITON-D8® Set | KRSC 4-Series |
| TRND10FOAM2 | TRITON-D10™ | KRSC246 |
| TRND10FOAM3 | TRITON-D10™ | KRSC 3-Series |
| TRND10FOAM4 | TRITON-D10™ | KRSC 4-Series |
| ZEUSFOAM3 | ZEUS™ Set | KRSC 3-Series |
| ZEUSFOAM4 | ZEUS™ Set | KRSC 4-Series |



AP0D9FOAM3



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1-W4.

STORAGE



EAK0312L19A



EAK0313L05A



EAK0340L36A

Storage Cases

- Provides protection and portability in the shop or on the road
- Reinforced semi-rigid case with padded sides for protection
- Tough polyester fabric with hook-and-loop straps inside to secure tools and accessories
- Bold embroidered Snap-on® logo promotes Snap-on® quality tools
- Elastic net compartment for small accessories
- Zippered on three sides so the case opens flat for easy access
- Sturdy sewn-in handle with a molded comfort grip

EAK0312L19A Padded Carry Case

- Three padded compartments for Snap-on® diagnostic tools and two elastic net compartments for accessories
- Generous 14 x 19 x 4" size holds a diagnostic tool and many accessories
- Accommodates VERUS® PRO, VERDICT®, MODIS™ Series, SOLUS™ Series, ETHOS® Series and VANTAGE® Series tools

EAK0313L05A Compact Tote Case

- Compact 14 x 11 x 3" size holds a diagnostic tool and some accessories
- Accommodates MODIS™ Series, SOLUS™ Series, VANTAGE® Series, ETHOS® Series

EAK0340L36A Soft Bag, Thermal Imagers

- Carrying Bag for diagnostic thermal tools
- Inner pocket holds USB charger and cable



KACSC345RD



KACSC345SV

Diagnostic Workcenter Covers

- Custom-fit nylon cover for Diagnostic Centers
- Keeps diagnostic center clean and well protected
- Provides protection from dirt, grease, solvents and other shop environmental hazards
- Covers the complete workstation and standard 27" monitor

KACSC345RD Nylon Cover for EEHD345 Heavy-Duty, EEWS342 and EEWS348 Series

- Custom-fit nylon cover for EEHD345 Heavy-Duty/EEWS342/EEWS330 Diagnostic Workcenters
- Black with Red Logo

KACSC345SV Nylon Cover for EEHD345 Heavy-Duty, EEWS342 and EEWS348 Series

- Custom-fit nylon cover for EEHD345 Heavy-Duty/EEWS342/EEWS330 Diagnostic Workcenters
- Black with Silver Logo

- Big bold Snap-on® "S" logo in your choice of red or silver
- Reinforced piping in red accent color for high-end appearance and extra strength at seams
- High-quality 200 Denier® nylon for sturdy protection
- Heavy-duty nylon zippers at front for easy installation and removal

EEWSMWCCOVER Diagnostic Mobile Workcenter Cover

- Custom fit nylon cover for your EEWS342/EEWS348 Diagnostic Mobile Workcenter
- Black with red piping and logo



Diagnostic Software Upgrades for ZEUS™ Series, VERUS® Series, VANTAGE® Series, SOLUS® Series, P1000™ and Ethos® Series Tools

- Continue to improve your productivity with regularly scheduled software upgrades from Snap-on® featuring updated coverage for new vehicles, expanded coverage for earlier models and the latest enhancements that add capabilities to your tool
- You will access thousands of new vehicle systems, trouble codes and live data parameters, as well as thousands of new experience-based troubleshooter tips, functional tests, adaptations and component tests for platforms with those functions
- For details on the latest software upgrade, see your Snap-on® representative



EETA1130

J2534 Compliant Programming Interface

EETA1130 Pass Thru Pro IV Reprogramming Device

- Certified SAE® J2534 pass-through device updates software/firmware in vehicle electronic control unit (ECU) with software directly from the OEMs
- Fix software-controlled drivability, emission issues and program new ECUs
- Program emission-related ECUs on any J2534-compliant vehicle (2004–newer) and other J2534 compliant controllers (at OEM dependent)
- Includes protocols for fault tolerant CAN, new CAN lines and access to additional late-model vehicle networks
- Includes programming interface, 6' USB PC-interface cable, 6' vehicle interface cable and instruction manual
- Additional requirements include a reflashing software application, data subscription from OEM and a PC with internet access
- Easier than ever—go to www.snapon.com/diagnostics/us/Pass-Thru-Pro-IV for Pass Thru Pro IV firmware/driver updates
- The Pass Thru Pro IV vehicle interface connects to a PC (not included) through the USB connector and to the vehicle through the OBD-II connector; ECU reflashing software and update files are downloaded from the OEM website through the pass-through device into vehicle control unit
- NOTE: A stable vehicle power supply is critical to protect the vehicle ECU during programming—the Snap-on® EECS306C D-TAC™ Elite and the Snap-on® EEBC500A Battery Charger Plus™ are well suited to this purpose



EETA314A

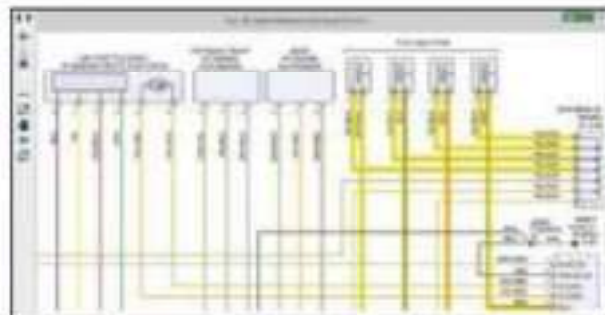
EETA314A Snap-on® Pass Thru Assistant

- Pass through device and battery maintainer in one package
- Guaranteed Results: we take the risk, not you
- Designed to bring a reprogramming solution to every automotive repair and collision technician
- The Pass Thru Assistant expands your capabilities to include reprogramming for domestic, Asian and European vehicles
- No need to send the vehicle to dealer
- Not dependent on mobile technicians
- Allows shop to be the preferred dealer alternative
- Enables shop to be the complete solution provider
- Easy to follow step-by-step instructions: plug the unit in; turn on the unit; call the Pass Thru Assistant phone number to schedule a session; follow the connection instructions; remote agent performs the flash programming
- Includes integral Pass Thru device; Windows 10 tablet; battery maintainer; OEM software installed and OEM software updates included
- Additional information can be found at snapon.com/passthruassistant

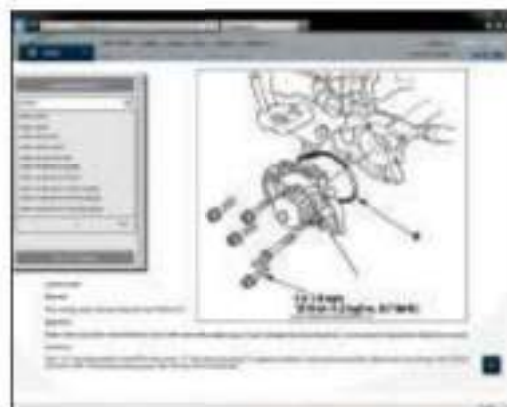


- Read and follow safety messages in the instructions.
- Do not use in environments with explosive vapor.
- Read Safety Precautions on pages W1–W4.

INFORMATION SYSTEMS



Full-color wiring diagrams with circuit highlights and zoom feature clarify even the most complex circuits.



With a single lookup you get access to illustrated repair procedures, diagnostic information, expert tips, maintenance schedules, TSBs, wiring diagrams and component locators.

ShopKey® Pro and Mitchell™ TruckSeries provide technicians with complete repair information for class 1–8 vehicles including real-world information to diagnose and repair vehicles problems efficiently.

1Search® Plus

To improve your information lookup, 1Search® Plus returns information in a unique graphical layout aligned with the way a technician thinks about diagnosis and repair. OEM and real-world information are fully integrated, reducing your navigation time. All results are returned in specific categories, leading you directly to the information you want and cutting out the clutter.

Enhanced Wiring Diagrams

Our enhanced wiring diagrams feature intelligent navigation that takes you directly to the specific diagram for the component you searched for, with traces automatically highlighted. It's faster and easier than ever to find the exact wiring diagram you need for an efficient and accurate diagnosis.

ADAS—Driver Assist

Diagnose, calibrate and repair vehicles equipped with Advanced Driver Assistance Systems (ADAS) features. Simply select a vehicle and click the Driver Assist (ADAS) Quick Link button, and you have immediate access to a table that consolidates all the ADAS information for the vehicle in a single location. You get the full picture of the ADAS features and components and can simply click to select the repair and calibration information you want.

Latest TSBs

Never miss a TSB! Access the most accurate and up-to-date database of TSBs available, most delivered within one month of publication by OEM.

Quick Links

Quickly navigate to the most popular content, including fluids, tire fitment, reset procedures, wiring diagrams, component tests and locations, DTCs and TSBs.

SureTrack Real Fixes

Find the fix with expert-based knowledge captured from over 600 million completed repairs and real world tips from professional technicians.

Component Test Information

Component operation, location, best test location, connector end views and test procedures provide all the information needed to verify the component is operating properly or failing.

Community of Technicians

You are likely not the first person to come across that difficult-to-diagnose code or symptom. Use the community as a collaborative tool to ask a question to automotive experts and receive answers (often in a few minutes) to help you move forward.

Estimating Integrated with Manager™ SE

Build accurate, profitable estimates quickly and easily with the only OEM repair information system integrated with the industry's most trusted shop management system.

Integration with Snap-on® Diagnostic Tools

Access ShopKey® Pro on your Snap-on® ZEUS™ or VERUS® series tool and have the information you need to get the job done, right at your fingertips.



OBD-II Scan Tools

| Type | Description | EECR1B | EECR3B | EECR5A |
|---|--|--------|------------|------------|
| Tool Features | Display | • | 2.8" LCD | 3.5" LCD |
| | Multilingual | • | • | • |
| | Internal Batteries | | • | • |
| | Detachable Cable | | • | • |
| | Illuminated LED's on OBD2 DLC cable head | | • | • |
| OBD2 Functions | \$01 - Limited Live Data | | • | • |
| | \$01 - Graph Live Data | | • 2 Values | • 2 values |
| | Record and Playback (LD) | | • | • |
| | \$02 - Freeze Frame | | • | • |
| | \$03 - Read DTC | • | • | • |
| | IM Monitors Status | • | • | • |
| | OBD2 Hybrid | • | • | • |
| | Definitions on Screen | | • | • |
| | \$04 - Erase | • | • | • |
| | \$05 - O2S Results | | • | • |
| | \$06 - Non-continuous Test Results | | • | • |
| | \$07 - Pending DTCs | • | • | • |
| | \$08 - EVAP | | • | • |
| | \$09 - ECU Info (on Background) | | • | • |
| | \$09 - Display on Screen | • | • | • |
| \$0A - Permanent DTC | • | • | • | |
| ABS Coverage | ABS - Domestic Coverage | | • | • |
| | ABS - Asian Coverage | | • | • |
| | ABS - European Coverage | | • | • |
| | ABS - Limited Live Data | | • | • |
| SRS Coverage | SRS - Domestic Coverage | | • | • |
| | SRS - Asian Coverage | | • | • |
| | SRS - European Coverage | | • | • |
| | SRS - Limited Live Data | | • | • |
| Common Features | All-in-One Display | • | • | • |
| | System Status LED | • | • | • |
| | Prioritized DTCs | • | • | • |
| | Readiness Monitors Definitions | • | • | • |
| | LED Warning | | • | • |
| | DLC locator | | • | • |
| | On Screen Code Definitions Lookup Library | | • | • |
| Enhanced Engine and Transmission Codes | | • | • | |
| Unique Tool Features | Trip Cycle Procedure | | • | • |
| | Mode 6 in Layman's terminology | | • | • |
| | Oil Light Reset | | • | • |
| | Battery Reset | | • | • |
| | Battery Initialization Function | | | • |
| | Code Severity Alert | • | • | • |
| | Battery/Charging System Test | | • | • |
| | Oil Level/Oil Life | | • | • |
| | Reads Hybrid Battery Cell Voltage | | | • |
| | Brake Pad Life | | | • |
| | Reads TPMS/Tire Pressure | | | • |
| | Reads Transmission Temp | | | • |
| | Network Scan (scan DTCs for all modules) | | | • |
| Software, Website, Support and Service Features | Warranty - Years Covered | 2 | 2 | 2 |
| | Internet Updatable and Upgradeable | • | • | • |
| | USB Cable Included | • | • | • |
| | Free Lifetime Internet Updates (Bug Fixes) | • | • | • |

EECR1B CarScan® Code Reader (Blue-Point®)

- Diagnose and turn off check engine light—works on all 1996 and newer OBD-II vehicles
- Now includes a Code Severity Alert for better DTC understanding and a black housing to keep a cleaner appearance
- Plug-and-play diagnostics—simply plug in, tool automatically links to vehicle, then diagnostics start in seconds

- I/M readiness advisor—perform OBD-II drive and trip cycle tests to validate for accurate repairs with on-screen I/M status indicators
- Backlit screen aids in viewing information
- Small size fits in pocket for quick retrieval

EECR3B CarScan® Code Reader +ABS/SRS (Blue-Point®)

- Diagnose and turn off check engine light—functions on all 1996 and newer OBD-II vehicles
- Now includes oil level and life information with a black housing for a cleaner look
- Includes ABS/SRS, limited live data and trip cycle procedure

- Vehicle health status LEDs know in advance if the vehicle is emission test ready (Red = Fail, Green = Pass)

- Plug-and-play diagnostics—simply plug in and the tool automatically links to the vehicle; diagnostics start in seconds
- Service and diagnose engine and ABS system—read and clear anti-lock brake DTCs on 1996 and newer US, Toyota® and Honda®

- View freeze-frame data—review a snapshot of the conditions present when the failure occurred to duplicate for advanced diagnostics
- Built-in memory for off-car review

- Internet updatable via USB
- Backlit color screen
- DTC definitions displayed in English, Spanish and French

EECR5A CarScan® Code Reader+ ABS/SRS/Module Scan (Blue-Point®)

- Now includes code severity alert, battery system test, oil life, hybrid battery cell voltage, brake pad life, reads tire pressure and transmission temperature
- Network/module scan reads and clears vehicle ECU modules

- Vehicle health status LEDs—know in advance if the vehicle is emissions test ready (Red = Fail; Green = Pass)
- Service, diagnose engine and ABS/SRS systems
- Read and clear anti-lock brake (ABS) DTCs on newer vehicles

- Read and clear supplemental restraint system (SRS) DTCs on newer vehicles
- OBD-II Live Data (ABS/SRS) review systems to aid in diagnosis
- DTC definitions displayed in English, Spanish and French

- Internet updatable via USB for bug fixes
- SRS limited live data and trip cycle procedure
- OBD-II connection point is lighted for simplified under dash installation

- Backlit color screen for improved viewing
- Technical Support 877-447-6276



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

PRO-LINK® EDGE HEAVY-DUTY VEHICLE DIAGNOSTICS



EEND189090



EEND709004

PRO-LINK® Edge

- PRO-LINK® Edge provides the technician with the speed and efficiency required to stay competitive while repairing today's complex commercial vehicles
- Provides thousands of OEM tests, maintenance routines, and programmable parameters for major systems on commercial vehicles, including engines, transmissions, brakes, body and chassis, and instrument clusters
- Eliminates the need to cross-reference generic codes to OEM codes
- Displays proprietary faults and data even after free trials have expired
- New protocols to support Ram® ProMaster vehicles

EEND709004 PRO-LINK® Edge Master Kit

- Perfect for truck shops, general repair, fleet maintenance, mobile service and municipalities; provides OEM-proprietary diagnostics for commercial heavy-duty trucks
- Tested and licensed OEM coverage for all major systems, including engines, transmissions, ABS, instrument cluster, emissions, SCR, body systems and more
- Essential maintenance functions include read and clear fault codes, access trip data to monitor vehicle and driver performance, create health reports and view live data to verify performance
- Powerful repair functions include graph live data to find tough problems, special tests to verify component failures and validate system operation, program replacement components, expanded component diagnostics and custom ECU programming configuration
- OEM-proprietary diagnostics for commercial vehicles from light diesels to Class 8 heavy-duty trucks
- Covers systems and components for the major HD manufacturers: Volvo®, Mack®, PACCAR®, Kenworth®, Peterbilt®, Freightliner®, International®, and more—plus light- and medium-duty truck coverage
- Easy-to-use, common user interface for all makes
- Big 10.1" color touchscreen display for clarity and fast navigation; automatically adjusts brightness for indoor and outdoor use

Connectivity tools make it easy to save, view and share vehicle results:

- Mini HDMI port to view results on external monitor
- SD memory card slot to store/share test results
- Wi-Fi® for networking
- USB port for accessories like a memory stick, keyboard or printer
- Rugged solid-state drive to store data and software upgrades
- Choice of power sources: internal lithium-ion battery, 120 V AC adaptor or vehicle connector

- and GM® body control modules
- Provides software suites bundled by manufacturer to give the technician flexibility and to reduce the overall cost of the number of software titles required to make repairs (reduces the number of titles from 20 to 10)
- Ability to scroll/swipe through information and data lists just the same way as on mobile devices
- More categories and data parameters per page
- Improved screen layout; modernized, intuitive icons and a higher screen resolution
- Ability to review and download maintenance information, wiring diagrams, specifications, and digital photos from optional Mitchell 1® Repair-Connect®

- Get direct links from fault codes to step-by-step test and diagnostic procedures, component locators and wiring diagrams with the optional Repair-Connect®
- Internet delivery of software upgrades directly to the tool and a free trial period to try before purchase—see your Snap-on® representative to activate
- Software upgradable to accommodate new technology, ECUs and EPA requirements
- Over 1,000 special tests to override vehicle controls and operating conditions for diagnostic validation—e.g., DPF clean/replace, cylinder contribution, injector tests, timing and boost calibration
- Over 500 programmable parameters to configure a fleet to operating limits you define—e.g., idle shutdown, speed limit, driver reward, engine rating, engine protection shutdown and injector replacement

EEND189090 PRO-LINK® Edge Starter Kit

Pro-Link® Edge Starter Kit includes:

- Pro-Link® Edge heavy-duty diagnostic system
- Edge HDS Starter Kit Software (J1708/J1587, J1939 and OBD-II/EOBD)
- 8' data cable
- 16-pin J1962 OBD-II adaptor
- 9-pin Deutsch adaptor (non-locking)
- 6-pin Deutsch adaptor
- Soft carrying case with cushioned foam organizer
- High-energy lithium-ion battery pack
- 120 V AC power adaptor

Key Functions and Features:

- Large, sharp color graphics
- Information clearly displayed
- Fast data downloads
- Portable and powerful

EEND189090K PRO-LINK® Edge

PRO-LINK® Diagnostic Platforms

EEHD345MAPBO PRO-LINK® Edge Master Kit with Five-Drawer Cart

- Five-Drawer, split-top lid, 27" industrial touchscreen monitor, PRO-LINK® Edge Diagnostic Tool, full software suite, 6-pin Deutsch® cable, data cable, 9-pin Deutsch® cable, 16-pin J1962 cable, PLC adaptor, battery pack, AC adaptor and foam inserts
- Four custom-fit foam drawer organizers with part number and description labeling provide control for scan tool and accessories (EEHDEKFOAM3A and EEHDEKFOAM4B are for optional accessories)
- Cart split-top slides out from center to provide total access to a generous top compartment; designed with a printer in mind to allow for the documentation of critical diagnostic sessions
- Full-length, 2-point locking lid and separate manual rear lock rod for drawers; more secure than single-point lock used by many other manufacturers— independent drawer locking switch inside the top compartment
- Cart body is entirely welded double wall design, not bolted, for lasting strength
- Two shot-molded rubber/nylon corner bumpers help protect nearby objects and provide long-lasting brand identification and professional appearance
- 32" cart is maneuverable and equipped with quiet, low-vibration rolling casters
- Drawers have rolled edges and a rear flange providing a solid feel under load
- PRO-LINK® Edge Diagnostic Tool features a 10" full-color class LED sunlight-readable display
- Includes all available software suites, tested and licensed OEM coverage for all major systems, including engines, transmissions, ABS, instrument cluster, emissions, SCR, body controls and more

EEHD345SAPC: PRO-LINK® Edge Starter Kit with 32" Five-Drawer Cart and Touchscreen Monitor



EEHD345MAPWZ

Colors Available



| | Stock No. | Description |
|-----------------|-------------|---|
| Software Suites | EEHD862018 | PRO-LINK® Ultra Software, DDEC® Suite v3.0 |
| | EEHD865005 | Alison Transmission® Suite |
| | EEHD865005U | Alison Transmission® Update |
| | EEHD865009 | Navistar® MaxForce® v3.0 |
| | EEHD865009U | Navistar® MaxForce® v3.0 Update |
| | EEHD865014 | Meritor® WABCO® Suite v2.0: Air, Hydraulic ABS and OnGuard® CMS |
| | EEHD864007 | Heavy-Duty Standard J1939 |
| | EEHD864010 | International® Engines v2.0 |
| | EEHD864015 | DDEC® Suite: DDEC® II, III, IV v2.0 |
| | EEHD864021 | Trailer ABS Suite: Eaton®, Wabtec® and Haldex® |
| | EEHD864024 | CAT® Engines with ACERT® Technology v2.0 Update |
| | EEHD864027 | Caterpillar® Electronic Engines |
| | EEHD864031 | Detroit Diesel® MBE |
| | EEHD864041 | Navistar® Body and Chassis |
| | EEHD864076 | OBD-II/ECBD v3.0 |
| | EEHD867011 | Volvo®/Mack® V3 2007–Present |
| | EEHD867011U | Volvo®/Mack® 2007+ Update |
| | EEHD867034 | PACCAR® Engines EPA10 |

*NOTE: Color options require an approximate 30-day lead time for delivery. Expert Customer Care, Technical Support and Repair 800-311-3452. Please order mini-catalog 833256 for more detailed software applications.

| | Stock No. | Description |
|------------------|--------------|---|
| Vehicle Adaptors | EEHD494024 | PRO-LINK® Ultra 6-Pin Deutsch® Adaptor |
| | EEHD493026 | 26-Pin Data Cable |
| | EEHD493028 | PRO-LINK® Ultra 5-Pin Deutsch® Adaptor |
| | EEHD493013 | J1962 16-Pin Cable |
| | EEHD406004 | HD Crossover Cable (PACCAR® MX) |
| | EEHD604020 | PLC Adaptor |
| Accessories | EEHD861048*1 | PRO-LINK® Ultra Software, Light and Medium Truck (LMT) 2021 |
| | EEHD218015-1 | Carry Case – Top |
| | EEHD218015-2 | Carry Case – Bottom |
| | EEHD4001-022 | Battery (Ultra only) |



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1–W4.

PRO-LINK® EDGE HEAVY-DUTY DIAGNOSTICS



PRO-LINK® Edge Software

| Stock No. | Description |
|------------|---|
| EEHD841006 | PRO-LINK® Edge Software, PSI Engines v 1.0 |
| EEHD841048 | PRO-LINK® Edge Software, Light and Medium Truck (LMT) 2021 |
| EEHD842003 | Cummins® Software 2002+ – Edge |
| EEHD842075 | Detroit Diesel® Software DDEC® 3-DDEC 13, MBE – Edge |
| EEHD849005 | Alison® Software – Edge |
| EEHD849010 | International® Software Suite 1999+ – Edge |
| EEHD849011 | Volvo/Mack® Software 2007–2016 – Edge |
| EEHD849021 | Edge ABS Software BENDIX® ABS, TPMS, WABCO® Air, Hydraulic, Trailer ABS, Eaton®, Wipac® and HolDEX® Suite |
| EEHD849024 | CAT® Software 1990–2009 – Edge |
| EEHD849025 | HINO® Software 2005–Current – Edge |
| EEHD849034 | PACCAR® Software EPA 2010–2017 – Edge |

PRO-LINK® Ultra and Edge Adaptors, Cables and Accessories

| Stock No. | Description |
|------------|---|
| EEHD493033 | 2- and 3-Pin Deutsch® Adaptor |
| EEHD494024 | PRO-LINK® Ultra 6-Pin Deutsch® Adaptor |
| EEHD493001 | 9-Pin Deutsch® Adaptor (Locking) |
| EEHD493015 | CAT® 9-Pin Adaptor |
| EEHD493028 | PRO-LINK® Ultra 9-Pin Deutsch® Adaptor |
| EEHD493014 | HD Caterpillar® 9-Pin T-Adaptor |
| EEHD493003 | 12-Pin Adaptor |
| EEHD493013 | PRO-LINK® Ultra 16-Pin Adaptor |
| EEHD493026 | PRO-LINK® Ultra Data Cable |
| EEHD499095 | PRO-LINK® Edge AC Adaptor 12 V, 2.5 A, 30 W |

| Stock No. | Description |
|--------------|-------------------------------------|
| EEHD424001 | J560 7-Way Power Cable |
| EEHD499098 | Mini HDMI® Adaptor |
| EEHD709002MR | Medium Range V2 for PRO-LINK® Ultra |
| EEHD604020 | Universal J560 PLC Adaptor |
| EEHD406004 | HD Crossover Cable (PACCAR® MX) |
| EEHD219016 | Soft Side Carry Case |
| EEHD219017 | Heavy-Duty Carry Case with Foam |
| EEHD4001-025 | Battery Pack |
| EEHD905008 | Fault Code Guide |

POCKET IQ™ HEAVY-DUTY SCAN TOOL



EEHD180030

Pocket IQ™ 2 Heavy-Duty Scan Tool

EEHD180030 Pocket IQ™ 2 Scan Tool (Blue-Point®)

- View and clear inactive and historic faults
- Includes software to perform critical Diesel Particulate Filter (DPF) Regeneration (REGEN) while the PRO-LINK® Edge is used to diagnose another vehicle
- Monitor all vehicle data
- Check engine speed and load, pressures, temperatures and more
- Display trip data
- Collect and store data from multiple vehicles
- Complements the full-function PRO-LINK® Edge

Pocket IQ™ 2 Scan Tool is ideal for:

- Aftermarket diesel technician
- Fleet technician
- OEM dealer (PM tech)
- Triage tool for shop technicians
- Owner/operator
- Maintenance facilities (non-repair)
- Expert customer care and technical support 800-311-5452

Pocket IQ™ Heavy-Duty Scan Tool accessories

| Stock No. | Description |
|--------------|------------------------|
| EEHD1402813 | Sylus Pen |
| EEHD181030-2 | Battery Pack |
| EEHD403098 | USB Cable |
| EEHD488024 | 6-Pin Deutsch® Adaptor |
| EEHD501002 | Power and Data Cable |



EEHD604020

PRO-LINK® Ultra and Edge Adaptors, Cables and Accessories

The cables included with PRO-LINK® Ultra and Edge scan tool kits meet the needs of most customers. Please contact Snap-on® technical support, 800-311-5452, for information and assistance regarding the need for any additional cables.

EEHD604020 Universal J560 PLC Adaptor

- Use the Universal J560 PLC Adaptor with the ABS diagnostic software application
- Detect ABS warning lamp messages coming from the trailer ECU
- Test the in-cab trailer ABS warning lamp
- Connect to the vehicle between the tractor and the trailer, or the trailer alone without the tractor

Included in EEHD180030

| Stock No. | Description |
|------------|---------------------------|
| EEHD493028 | 9-Pin Deutsch® Cable |
| EEHD493013 | J1962 16-Pin Cable |
| EEHD493026 | 26-Pin Data Cable |
| EEHD216010 | Pocket Case (Blue-Point®) |
| EEHD496090 | AC Adapter, 5 V, 2A, USB |

Applications

- HD/LMT DPF Regen
- Light and Medium truck (LMT) 2016 Note: The LMT module does not include the ability to run special tests except DPF REGEN
- Heavy-Duty Standard (HDS) Note: The LMT module does not include the ability to run special tests except DPF REGEN The HD/LMT DPF Regen module provides coverage for the following manufacturers:
 - PACCAR®
 - Cummins®
 - Volvo®/Mack®
 - Hino®
 - Navistar® Maxx Force®
 - Detroit Diesel® DDEC 6, 10, 13
 - Dodge®/Ram®
 - Ford® diesel engines
 - GM® diesel engines
 - Isuzu® diesel engines

Optional Software/Adaptors

| Stock No. | Description |
|--------------|--|
| EEHD604020 | Universal J560 PLC Adaptor |
| EEHD9180195W | Pocket IQ™ 2 School Bus Software Suite (Blue-Point®) |



EEHD918021

Pocket IQ™ Software

EEHD918021 Pocket IQ™ 2 ABS Suite V 2.0 (Blue-Point®)

- Support for Bendix® EC-80™, TAB-6™ Advanced and SmartTire® Tire Pressure Monitoring System (TPMS)
- Special tests new with this release include: Axles Setup, Calibrate Lateral Acceleration Sensor, Calibrate Steering Angle Sensor, Chuff Modulators, Drag Torque, eTrack Solenoid and HSA Solenoid (Hill Start Assist)
- Includes Bendix® ABS Suite V 2.0, Meritor® WABCO® Suite and Trailer ABS Suite
- Trailer ABS Suite includes Wabash National® MBS-1P and MBS-2, Eaton® GEN4 and GEN5 and Haldex® PLC, PLC Plus, and PLC Select
- Expert Customer Care Technical Support 800-311-5452



- Read and follow safety messages in the instructions.
- Do not use in environment with explosive vapor.
- Read Safety Precautions on pages W1-W4.

POCKET IQ™ HEAVY-DUTY VEHICLE DIAGNOSTICS



EEHD695020

Pocket IQ™ Software

EEHD695020 Tractor-Trailer ABS Software Kit

- Software allows user to interface with the tractor ABS, trailer ABS and the PLC
- Reads current and historic fault codes
- Reads current brake data
- Clears current and historic fault codes
- Tests the tractor-trailer interface
- Automatically detects and reads the OEM's ECU brake system configuration
- Actuates modulators and valves
- Cycles brake retarder relays
- Tests wheel sensors and traction disabling
- Reads the trailer ECU data (odometer, trip odometer)
- Tests the trailer ABS Warning lamp
- Checks battery voltage to the trailer
- Includes EEHD892021 ABS Software Suite and EEHD602020 J560 PLC Adaptor

EEHD798021 Tractor-Trailer ABS Software Kit

- Includes Pocket IQ™ Scan Tool, EEHD892021 ABS Software Suite and EEHD602020 J560 PLC Adaptor



EAX0052L07A



EEND488024



EEND481003



EEHD501002

PRO-LINK IQ™ Adaptors, Cables and Accessories

The cables included with PRO-LINK IQ™ scan tool kits meet the needs of most customers. Please contact Snap-on technical support, 800-639-6774, for information and assistance regarding the need for any additional cables.

| Stock No. | Description |
|-------------|---------------------------------|
| EAX0052L07A | DLC16 to 9 Pin Deutsch® Adaptor |
| EEND481003 | 12-Pin Adaptor |
| EEND488024 | 6-Pin Deutsch® Adaptor |
| EEHD501002 | Power and Data Cable |

*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
- *  MUST READ INSTRUCTIONS BEFORE USE
- *  MANDATORY EAR PROTECTION
- *  MANDATORY EYE PROTECTION
- *  MANDATORY PROTECTIVE GLOVES
- *  MANDATORY PROTECTIVE CLOTHING
- *  MANDATORY FACE SHIELD
- *  MANDATORY HEAD PROTECTION
- *  MANDATORY MASK
- *  MANDATORY RESPIRATOR

- *  **WARNING**
THIS SYMBOL INDICATES A HAZARD ALERT, GENERAL WARNING SIGN
- *  RISK OF EXPLOSION
- *  RISK OF ELECTRIC SHOCK
- *  RISK OF FIRE
- *  RISK OF ENTANGLEMENT
- *  VIBRATION HAZARD
- *  OVERHEAD/OVERLOAD HAZARD

*These symbols are excerpted from ISO 7010: 2011 with the permission of ANSI on behalf of ISO.
© ISO 2014—All rights reserved

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 (W1 to W4) 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. Do not exceed the torque stamped on adaptor. Broken adaptor can cause injury.

Battery Chargers, Testers, Portable Booster Packs

WARNING

- Batteries produce explosive gases and can explode.
- Wear safety goggles (user and bystanders).
- Read and follow all safety precautions accompanying the product. Do not overcharge battery. Keep flames and sparks away from batteries. Do not expose batteries of Booster Pack to liquids.
- 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 high velocity air.
- Wear safety shield or goggles (user and bystanders). Wear mask if air is dusty (user and bystanders). Wear hearing protection (user and bystanders). Do not direct air at yourself or 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 compressors have electrical parts, moving parts and contain high pressure air that may be injurious.
- Read and follow all instructions. Do not use as an air supply for breathing. Improper use or maintenance can cause shocks, entanglement or 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. Do not expose battery pack to liquids. Fire or explosion or electric shock can cause injury.
- Sparks from electric motor can ignite an atmosphere containing flammable vapor. Do not use cordless tools in a volatile atmosphere. Fire and/or explosion can cause serious 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. Flames or explosion 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 bars, 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. Do not use any accessory not specifically intended for use with a die grinder, with a die grinder. 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 produce noise and vibration. Wear appropriate ear protection and gloves. Extended exposure to noise and vibration can cause injury or impairment.
- Impact wrenches can cause breakage of sockets or accessories.
- Wear safety goggles (user and bystanders). Flying particles 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.
Make sure that the blade locking device is securely engaged before using the knife.
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 bypass 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, cut-off tools)

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.

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.

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.
Inspect the puller, do not use puller with worn or broken parts.
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 or worn
 - 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.
- Do not use sanding discs or accessories above their maximum rated RPM.**
Broken sanding disc or accessories can cause injury.
- Sanding produces particles and dust
- Wear safety goggles or a safety shield.**
Wear a dust mask or respirator.
Some dust created by sanding may contain chemicals known to produce cancer or other health concerns.
- Misuse of grinding wheels on sanders may result in wheel breakage.
- Do not use grinding wheels on sanders.**
Broken grinding wheels can cause serious injury.

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.

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
 - Flexible sockets can cause injury when used with impact or power drivers.
- Do not hold flexible sockets or swivel joint tools during use.**
Rotating socket can cause hand injury.

Sockets, Power

WARNING

- Power sockets or accessories can break if used on impact drivers.
- **Wear safety goggles (user and bystanders).**
- **Do not use power sockets or accessories with impact drivers.**
- Broken tools can cause injury.
- Holding a rotating tool can cause entanglement.
- 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 (user 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.**
- **Do not use chisels on bearings or other items that are harder than the chisel.**
- **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 (user 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.**
- **Do not use hammer for removing ball joints, use appropriate tool.**
- **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

DANGER

- Tires can explode.
- **Wear safety goggles.**
- **Do not over-pressurize tire, use the inflation-limiting feature on the tire changer.**
- **Do not mismatch tires and rims.**
- **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 or locking casters when not moving unit.**
- **Do not step in or on drawers.**
- **Units to be used on level ground only.**
- **Secure units together with fasteners.**
- **Read and follow instruction manual.**
- Tipping 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 Sticks

WARNING

- The actual torque delivered to a fastener by a torque stick or torque extension depends on proper usage.
- **Read and follow all instructions.**
- **Check final torque with a torque wrench.**
- Improper torque can cause fastener loosening or breakage resulting in injury.

Torque Testers

WARNING

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

Torque Wrenches

WARNING

- Over-torquing 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 (user 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.

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 gloves, 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 bystanders).**
- WAg2 can break or disengage from spring if torqued over 30 lb-ft.
- **Do not torque WAg2 over 30 lb-ft.**
- Broken compressor or disengaged spring can cause injury.

Wheel Balancers

WARNING

- Misuse of wheel balancer can result in accidents.
- **Do not disable or by-pass the hood safety interlock system.**
- **Do not use on wet surfaces or below grade.**
- **Read and follow all instructions.**
- Personal injury can result from improper use.
- Improperly balanced tires can cause vehicle accidents.

Wrenches

WARNING

- Excess force can cause open-end, crowfoot or flare nut wrench slippage.
- Wrenches can break if overloaded.
- Slimline wrenches have limited torque strength.
- **Wear safety goggles (user and bystanders).**
- **Do not use "cheater bars" on any wrench.**
- **Use only moderate force on crowfoot, flare nut and slimline wrenches.**
- **Broken or slipping wrenches can cause injury.**
- User can fall if fastener suddenly breaks loose or wrench jaw slips or breaks.
- **Pull, do not push, on wrench handle.**
- Injury can occur if user loses balance.

1/8"

1/8" Drive Tools,
General Service Sets 129

1/4"

1/4" Drive Tools 104-143
Adaptors 109-110, 118, 120, 127, 135
Bit Socket Sets 123, 124, 141
Bit Sockets 137-141
Breaker Bars 106, 130, 134
Chrome Sockets, Flank Drive® 110-118
Crowfoot Wrenches 289
Drills, Air 534, 535
Drive Handles 107-108, 134
Extensions 108-109, 126, 129, 135-136
General Service Sets 130-133, 142-143
Handled Drivers 107
Handles 107-108, 134
Impact Accessories 125-126
Impact Sockets, Flank Drive® 126-127
Impact Wrenches, Air 527
Impact Wrenches, Cordless 504
Power Accessories 128
Power Sockets 128
Ratchets 104-106, 129, 133
Ratchets, Adaptors 106, 109-110
Ratchets, Air 531, 532
Ratchets, Cordless 510, 511
Ratchets, FOD 106
Ratchets, Spinners 106, 134
Sockets,
Blue-Point® 135-143, 234-235
Sockets, Chrome, Flank Drive® 110-118
Sockets, Flip 119, 659
Sockets, Low Profile 115-116
Sockets, Special Purpose/
Application 119-120, 127
Sockets, Spline 118
Sockets, Swivel 118, 127
Sockets, TORX®, TORX Plus® 117,
120-122, 137-138, 454, 713
Speeders 108
Torque, Adaptors 118, 120
Torque, Drivers 320-321, 322
Torque, Square Drive Heads 364
Universal Joints 109, 116, 117, 125, 135

3/8"

3/8" Drive Tools 144-200
Adaptors 147, 151, 165-166, 182, 195
Bit Socket Sets 195-198
Bit Sockets 170-173
Bit Sockets, Mortorq® Drivers 173
Breaker Bars 148, 193
Crowfoot Wrenches 289-292, 453
Drills, Air 533, 535
Drills, Cordless 498, 505-506
Extensions 149-150, 182, 193-194
FOD Ratchets 147
Gauges, Torque Angle 321
General Service Sets 184-192,
199-200
Handles 149, 188, 192

Hi-Lok® Ratchets 148
Impact Accessories 175
Impact Drivers and Sets 174-175
Impact Sockets 164, 176-180
Impact Sockets, Flank Drive® 176-180
Impact Sockets, Swivel 164, 179-180
Impact Wrenches, Air 528-529
Impact Wrenches, Cordless 497, 504
Magnetic, Surface Drive Sockets 183
Power Accessories 182
Ratchets 144-148, 151, 192,
510-511, 530-532
Ratchets, Adaptors 151
Ratchets, Air 530, 531, 532
Ratchets, Cordless 510, 511
Ratchets, FOD 147
Ratchets, Hi-Lok® 148
Ratchets, Spinners 148, 192
Socket Inserts, Non-marling 151
Sockets, Blue-Point® 194-200
Sockets, Die 426
Sockets, Disc Brake 787
Sockets, Flank Drive® 152-160,
176-180, 184, 187, 420, 421, 422
Sockets, Flip 459, 734
Sockets, Low Profile 179, 184, 687
Sockets, Lug Nut 669
Sockets, Oil Filter 734
Sockets, Spark Plug 165, 421, 422
Sockets, Special Purpose/
Application 163-164, 169,
180-181, 454
Sockets, Spline 162
Sockets, Surface Drive 183
Sockets, Swivel 164, 179-180
Sockets, TORX®, TORX Plus® 160-161,
167-169, 180-181, 195, 196
Sockets, Universal 151, 159-160, 161,
165, 180, 188-190, 192
Sockets, Valve Cover Bolt 745
Torque, Adaptors 165-166
Torque, Angle Gauges 321
Universal Joints 151, 180, 182, 194
Wrenches, Crowfoot 289-292, 453

1/2"

1/2" Drive Tools 201-235
Adaptors 203, 205-206, 213-214, 466
Bit Socket Sets, Blue-Point® 235
Bit Sockets 214-218, 230, 234-235
Breaker Bars 203, 233
Crowfoot Wrenches 293-294
Drills, Air 533, 535
Drills, Cordless 499
Drive Handles 203-204, 233
Extensions 204-205, 219, 233
Gauges, Torque Angle 321
General Service Sets 231-232, 235
Impact Accessories 219
Impact Drivers and Sets 216, 218
Impact Sockets,
Flank Drive® 220-226, 450, 672, 684
Impact Sockets,
Heavy Duty 461, 462, 464

Impact Wrenches, Air 525-527
Impact Wrenches,
Cordless 496, 497, 498
Power Accessories 228
Ratchets 201-203, 233, 530, 532
Ratchets, Adaptors 203
Ratchets, Air 530, 532
Ratchets, FOD 202
Ratchets, Spinners 203
Sockets, Blue-Point® 234-235
Sockets, Chrome,
Flank Drive® 206-212
Sockets, Flip 665, 666, 667, 668
Sockets, Head Bolt 461, 745
Sockets,
Heavy Duty 461, 462, 463, 464
Sockets, Lug Nut 665, 666, 667, 668
Sockets, Power 229
Sockets, Special Purpose/
Application 213, 227-228, 454
Sockets, Spline 213
Sockets, Swivel 225-226, 463, 786
Sockets, Tap 426
Sockets, TORX®,
TORX Plus® 212, 227, 234
Surface Drive Sockets 230
Torque, Adaptors 213-214, 466
Torque, Wrenches 669
Universal Joints 206, 219, 233

3/4"

3/4" Drive Tools 236-244
Adaptors 237, 466
Extensions 236
General Service Sets 244
Handles 236
Impact Accessories 239
Impact Sockets, Deep Impact 684
Impact Sockets,
Flank Drive® 240-243, 462, 463, 464
Impact Wrenches, Air 524
Impact Wrenches, Cordless 496
Locking Rings and Pins 239
Ratchets, Adaptors 237
Ratchets, Heads 236
Sockets, Flank Drive® 237-238
Sockets, Special Purpose/
Application 238
Sockets, Spline 238
Sockets, TORX®, TORX Plus® 239, 243
Torque, Adaptors 466
Universal Joints 236, 239

1"

1" Drive Tools 245-251
Adaptors 246
Breaker Bars 245
Drive Handles 245
Extensions 246
Impact Accessories 247
Impact Sockets, Flank Drive® 247-250
Impact Sockets, Railroad 474, 475
Impact Wrenches, Air 523

| | |
|---|----------|
| Locking Rings and Pins | 247, 251 |
| Ratchet Heads..... | 245 |
| Sockets, Special Purpose/ Application..... | 250 |
| Sockets, Spline..... | 246 |
| Universal joints..... | 247 |

1-1/2"

| | |
|-----------------------------------|---------|
| 1-1/2" Drive Tools..... | 250-253 |
| Adaptors..... | 251 |
| Drive Handles | 250 |
| Extensions..... | 251 |
| Impact Sockets, Flank Drive®..... | 251-253 |
| Locking Rings and Pins | 253 |
| Universal joints..... | 251 |

2-1/2"

| | |
|-----------------------------------|----------|
| 2-1/2" Drive Tools..... | 254-255 |
| Impact Sockets, Flank Drive®..... | 254-255 |
| Locking Rings and Pins | 253, 255 |

A

| | |
|--|-----------------------|
| Abrasives | |
| Blast Systems and Accessories..... | 806-809 |
| Discs | 576 |
| Soda Blasting Media..... | 808 |
| Accelerator, Pedal jacks | 680 |
| Accessories | |
| A/C Recycling/Recharging Systems..... | 704 |
| Air Hammers..... | 567-569 |
| Air Hoses..... | 573-574, 803 |
| Air Saws | 571 |
| Apollo-D8™ Scan Tool..... | 855 |
| Apollo-D9™ Scan Tool..... | 850 |
| Battery System Testers..... | 698 |
| Blades..... | 415, 571 |
| Blast Systems..... | 809 |
| Brushes, Wire..... | 565, 812 |
| Carbide Burrs..... | 566-567 |
| Chisels | 395 |
| Cleaners/Polishes/Sealants | 98, 810 |
| Cooling System Testers | 716-718 |
| Couplers, Air..... | 575 |
| Cutting | 566 |
| Diagnostic Equipment..... | 849, 850-863, 868 |
| Diagnostic Smoke Machines | 598, 599, 600, 601 |
| Diagnostic Thermal Imager..... | 849 |
| Die Grinders..... | 566-567 |
| Diesel Fuel Service | 619 |
| Drills..... | 552-562 |
| ETHOS® Edge Scan Tool..... | 853 |
| ETHOS® PRO Scan Tool..... | 856 |
| Flap Wheels | 565 |
| Flashlight..... | 732 |
| Grease Guns | 570 |
| Grinders | 566-567 |
| Handle Mounting Kits and Holders | 78 |
| Hole Saws..... | 562-563 |
| Hydraulic..... | 438, 439 |

| | |
|---|-----------------------------|
| Impact..... | 125-126, 175, 219, 239, 247 |
| Impact Wrenches | 570 |
| Leak Detectors | 598-601 |
| Lubrication | 576 |
| MODIS™ Edge Scan Tool..... | 859, 864 |
| MODIS™ Ultra Scan Tool | 860 |
| Multimeter..... | 582-584 |
| P1000™ Motorcycle Scan Tool..... | 859 |
| Parts Washer | 820 |
| Pocket IQ™ Diagnostic System..... | 877 |
| Power..... | 65, 128, 182, 228, 552-571 |
| PRO-LINK® Ultra Diagnostic System..... | 876, 877 |
| Pullers..... | 443, 444 |
| Punches | 395 |
| Ratchets | 236-237 |
| Reciprocating Saw Blades..... | 571 |
| Sanders..... | 563-564 |
| Saw Blades..... | 403, 571 |
| Scope and Meter..... | 864-867 |
| Scope/Meter Diagnostic Equipment..... | 864-867 |
| Screwdrivers..... | 355, 364-369, 519 |
| Smartphone | 93, 94 |
| Socket/Ratchet, 1/4" Drive..... | 109-110 |
| Socket/Ratchet, 1/2" Drive..... | 205-206 |
| Socket/Ratchet, 3/4" Drive | 236-237 |
| Socket/Ratchet, 1" Drive | 246 |
| Socket/Ratchet, Spline | 118, 238, 246 |
| Soldering..... | 640, 643-644 |
| SOLUS™ Edge Scan Tool..... | 857 |
| SOLUS Legend® Scan Tool..... | 853 |
| SOLUS Ultra® Scan Tool..... | 857, 867 |
| Tire Changers..... | 657 |
| Tool Storage..... | 55, 62-65, 72-100 |
| Triton-D8® Scan Tool..... | 856, 864 |
| Triton-D10™ Scan Tool..... | 851 |
| VANTAGE® Legend Scan Tool | 854, 858 |
| VANTAGE® Ultra Scan Tool | 858 |
| VERDICT® Scan Tool..... | 861 |
| VERUS® Edge Scan Tool..... | 862 |
| VERUS® PRO Scan Tool..... | 863 |
| Welding | 631, 633-635, 647 |
| Wheel Balancers | 654-655 |
| Wire Brushes..... | 565, 812 |
| Workstations | 75-82 |
| Zeus™ Scan Tool..... | 852 |
| ACR® Bits | |
| Phillips® | 365, 368 |
| Pozidriv®..... | 365 |
| Adaptor Sets | |
| Cooling System..... | 716, 718 |
| Extension..... | 219 |
| Fuel Injection | 618, 619 |
| Puller, Bar-Type..... | 443 |
| Ratchet Spinner..... | 134 |
| Square Drive..... | 109 |
| Torque..... | 165-166, 213-214, 448 |
| Adaptors | |
| #5 Spline Drive to Square | 251 |
| 1/4" Drive | 109-110, 118, 120, 127, 135 |
| 3/8" Drive..... | 151, 165-166, 182, 195 |
| 1/2" Drive | 203, 205-206, 213-214, 466 |
| 3/4" Drive | 237, 466 |

| | |
|-----------------------------------|--------------------------------------|
| 1" Drive..... | 246 |
| 1-1/2" Drive..... | 251 |
| A/C..... | 713 |
| Air Line | 575 |
| Amp..... | 582 |
| Arbor..... | 563, 566 |
| Backprobe..... | 587, 867 |
| Ball Joint..... | 679 |
| Banana Plug..... | 595 |
| Battery | 592 |
| Bearing, CJ Series | 438 |
| Bushing Extractors..... | 680 |
| Cap..... | 716-718 |
| Compression | 448, 612, 613 |
| Cooling System..... | 716-718 |
| Diagnostic Equipment..... | 850-863, 867, 868 |
| Diagnostic Smoke Machines | 599 |
| Diesel..... | 448, 463 |
| Diesel Compression | 448, 615 |
| ETHOS® Edge Scan Tool..... | 853 |
| ETHOS® PRO Scan Tool..... | 856 |
| Extension..... | 206, 219 |
| Flaring..... | 416 |
| Freeze Plug..... | 720 |
| Hand Wheel..... | 438, 461 |
| Hex to Square | 110, 128, 182, 362, 363, 365, 458 |
| Hydraulic Gauge Mounting..... | 439 |
| Ignition..... | 865 |
| Intake Cleaning..... | 619 |
| Intrusive Circuit Testing..... | 588 |
| Joint Rate Simulator | 339 |
| Leak Detectors | 600, 601 |
| Lights..... | 732 |
| Locking..... | 127, 205 |
| Magnetic | 110, 151 |
| MODIS™ Edge Scan Tool..... | 859, 864 |
| MODIS™ Ultra Scan Tool | 860 |
| Multi-Ignition..... | 865, 866 |
| Nonconductive..... | 393 |
| Oil Funnel..... | 737 |
| Oil Injector..... | 713 |
| P1000™ Motorcycle Scan Tool..... | 859, 871 |
| Pneumatic | 720 |
| Power..... | 127, 182, 228 |
| Power Steering | 746 |
| Pressure | 583, 617 |
| Pressure Transducer..... | 865 |
| Puller..... | 438, 439, 443, 444, 445 |
| Radiator..... | 718 |
| Ratchet..... | 106, 109-110, 147, 151, 203, 237 |
| RPM..... | 583, 865 |
| Scan Tool, ETHOS® Edge..... | 853 |
| Scan Tool, ETHOS® PRO..... | 856 |
| Scan Tool, MODIS™ Edge..... | 859, 864 |
| Scan Tool, MODIS™ Ultra..... | 860 |
| Scan Tool, P1000™ Motorcycle..... | 859 |
| Scan Tool, SOLUS™ Edge..... | 857 |
| Scan Tool, SOLUS Ultra®..... | 857, 867 |
| Scan Tool, VANTAGE® Ultra..... | 858 |
| Scan Tool, VERUS® Edge..... | 862 |
| Scan Tool, VERUS® PRO..... | 863 |
| Scan Tool, Zeus™..... | 852 |

- Scanner 867, 868
 Secondary Ignition 865, 866
 SOLUS™ Edge Scan Tool 857
 SOLUS Ultra® Scan Tool 857, 867
 Square Drive 109, 135, 151, 195,
 205, 237, 239, 246
 Temperature 583-584
 Tire Changer 657
 Torque 118, 120, 165-166, 213-214,
 448, 466, 471, 473
 Trailer 597
 Valve Cover 737
 VANTAGE® Ultra Scan Tool 858
 VERUS® Edge Scan Tool 862
 VERUS® PRO Scan Tool 863
 Voltage 583
 Wheel Hub Removal 672, 683
 Wrench, Ratcheting 266
 Zeus™ Scan Tool 852
- Adjustable**
 Bearing Race/Seal Drivers 760
 Creepers 763, 764, 765
 Pin Spanners 308
 Pliers 306, 382, 390
 Tap Sockets 426
 Torque Drivers 322, 323
 Torque Screwdrivers 322
 Wrenches 293, 305-307, 308,
 313-315, 323, 325-326, 473,
 628, 669, 684
 Wrenches, Carburetor 628
 Wrenches, Crowfoot 293
 Wrenches, External Pipe 306
 Wrenches, Spanner 308, 684
 Wrenches, Torque 313-315, 323,
 325-326, 669
 Wrenches, Valve Persuader 307, 473
- Advance Timing Lights** 608
- Aerospace Sockets** 211
- Air** 520-551
 Accessories 567-569, 571,
 573-574, 575
 Adaptors, Couplers 575
 Auxiliary Handle 533, 535
 Blow Guns 572-573
 C-Clamp Compressors 753
 Chucks, Closed 663
 Chucks, Open 662
 Chucks, Retainer 536
 Chucks, Tire 662-663
 Compressors 753, 815-816
 Compressors, C-Clamp 753
 Connectors, Swivel 574
 Control Units 804
 Couplers 575
 Crud Thug® 550
 Cut-Off Tools 522, 540-541
 Cutting Tools 542
 Die Grinders 521-522, 536-539
 Drills 521, 533-535
 Engraving Pens 548
 Filters 804
 Finishing Tools 546-550
 Grease Pumps 740-741
 Grinders 521-522, 536-539
- Hammers 536
 Hammers, Accessories 567-569
 Hammers, Chucks 536
 Hammers, Quick Reference Charts 521
 Hoses 573-574, 803
 Impact Wrenches 520, 523-529
 Line Couplers/Adaptors 575
 Lubricators, Pneumatic Torque 341
 Manifolds 575
 Micro Tools 527, 531, 532, 535,
 536, 538, 542, 548
 Motorcycle 468
 Movers/Fans 825
 Nibblers 542
 Polishers 547, 548
 Pressure Regulators 804
 Processing Equipment 814-816
 Ratchets 520, 530-532
 Ratchets, Miniature 531, 532, 533
 Reciprocating Saws 522, 542
 Sanders 522, 543-547
 Sanders, Accessories 547
 Saws, Accessories 571
 Saws, Reciprocating 522, 542
 Shears 542
 Solvent Guns 821
 Swivel Connectors 574
 Tool Boots 551
 Tools, Quick Reference Charts 520-522
 Vacuum 823
 Valves 575, 814
 Valves, Regulators 804
- Air Conditioning** 703-713
 Adaptors 713
 Air Conditioners Recycling 703
 Clutch Remover Sets 711
 Compressor Oil 704
 Connectors 713
 Disconnect Sets 623, 713
 Dye 707
 Filters 704
 Flashlights, Ultraviolet 706, 707
 Goggles 708
 Hose Crimper Sets 709
 Hoses 709
 Injection Kits 706
 Leak Detectors 705, 706, 707
 Manifold Gauges 708
 Oil and Dye Injectors 710
 Oil Change Kits 704
 Pulley Pullers 441, 442
 Recycling/Recharging
 Systems and Accessories 703-704
 Refrigerant Scales 706
 Replacement Hoses 709
 Service Equipment 705-712
 Service Kits 708
 Service Tools 713
 Thermometers 712
 Ultraviolet Flashlights 706, 707
 Vacuum Pumps 709
 Valve Core Tools 710, 713
 Valves 710, 713
 Wrenches 713
- Air Motor Oil** 576
- Air Power Tools** 520-551
- Air Processing Equipment** 804, 814-816
- Alignment**
 Bars, Body 791
 Clutch 689
 Headlamp 802
 Wheel 677-682
 Wrenches, Wheel 680
- All Weather Tool Chests** 55
- Alligator Clips** 584, 586, 867
- Alternator/Power Steering/
 Water Pump Tools** 441, 442, 444,
 448, 746
- Alternator Pulley Installer,
 Pullers** 441, 442, 448, 746
- Aluminum**
 Jacks 690
 Levels 770
 Screw Starters 358
 Screwdrivers 358
 Wrenches 287, 307
- Amp**
 Adaptors 582
 Probes 582, 866
- Analyzers**
 Gas 602
 Timing Lights 469, 608
- Angle**
 Air Drills 533, 535
 Drills 553, 561
 Gauges, Torque 321
 Grinders, Air 538, 539
 Grinders, Cordless 494
 Head Wrenches 286
 Locators 770
- Antenna**
 Sockets 802
 Wrenches 802
- Anti-Fatigue Mats** 96
- Anti-Seize Lubricants** 833
- Anti-Vibration Gloves** 829, 831
- Antifreeze Testers** 719
- Apollo-D8™ Scan Tool** 855
 Accessories 855
- Apollo-D9™ Scan Tool** 842
 Accessories 850
- Apprentice Sets** 476
- Arbor Adaptors/Hole Saws** 563, 566
- Arm Protectors** 637
- Auto Body Welding Sets** 648
- Auto Care/Detailing** 810
- Automatic Centering Punches** 394
- Auxiliary Handles** 533, 535
- Aviation/Aircraft**
 Adaptors, Torque 166, 214, 471, 473
 Bit Sockets 124
 Cutters, Diagonal Cushion Throat 472
 "Dog Box" 56
 Drill Bits 562
 Dzus® Screwdrivers 352
 Landing Gear Tools 472
 Mastic Removal Tools 802
 Morton® Impact Socket 471
 Oil Can Openers 470
 Ratchets, FOD 147

- Ratchets, Hi-Lok® 473
 Safety Wiring 470
 Service Tools 470-473
 Snips 794
 Sockets 471
 Sockets, Hose Clamp 471
 Specialty Tools 166, 470-473
 Speeders 472
 Wrenches, Fuel Pump 470
 Wrenches, Oil Filter 470
 Wrenches, Socket 471
 Wrenches, Spline 266, 283
 Wrenches, Vacuum Pump 470
- Awls, Hooks and Picks** 370-372
- Axle**
 Nut Sockets 227, 670-671, 672, 684
 Pullers 489, 683
- B**
- Back Supports** 836
- Bags**
 Collapsible 65
 Power Tool 65
 Tote 55, 65, 576, 870
- Balancing Wheels** 653-655
- Ball Hex**
 Bit Sockets 123, 124, 170-172, 215
 Bits 361
 Drivers 123, 124, 128, 172, 215, 685
 Screwdrivers 352
 Wrenches 298, 301, 302
- Ball Joint**
 Presses 677, 678
 Presses, Adaptors 678
 Separators 678
 Sockets 165, 679
 Test Indicators 769
- Ball Peen Hammers** 399, 401
- Banners** 704, 864
- Bar-Type Pullers** 436, 441, 442, 443
- Battery** 694-696
 Adaptors 592
 Booster Cables 700
 Cable Clamp Pullers 702
 Carriers 702
 Charger Covers 694
 Chargers 517, 518, 694-696
 Clamp Pullers 702
 Cordless 517
 Fillers 702
 Hydrometers 702
 Lithium 517
 Maintainers 696
 Ni-Cad 606
 Pliers 702
 Power Inverters 697
 Remote Start Switches 700
 Service Tools 700-702
 Terminal Cleaners 701
 Terminal Wrenches 701
 Testers 697-698
 Testers, Wireless Printer 698
- Bead Breakers, Tire** 657
- Bearing**
 Bushing/Race/Seal Drivers 758-760
 Camshaft Bearing Inserters/
 Removers 752
 Lower Pinion Bearing Pullers 444
 Packers 740
 Pullers 441
 Separators 436, 446
- Bed Liner Work Surfaces** 73
- Belt**
 Replacement/Timing 742-743, 751
 Sanders 547
 Tensioning Gauges 720, 747
 Tensioning Tools 455, 720,
 742, 747-748
- Benches, Work** 74, 814
- Bendable Lights** 82
- Bending Tools** 417
- Bent Nose Pliers** 380
- Bit Sockets**
 1/2" Drive 214-218, 230, 234-235
 Ball Hex 123, 124, 170-172, 215
 Clutch 125, 173
 Double Hex 171, 215
 Flat Tip 125, 140, 173, 218
 Hex, 1/4" Drive 122-124, 138, 139, 140
 Hex, 3/8" Drive 170-172, 198
 Hex, 1/2" Drive 215, 235
 Hex, 1" Drive 246
 Hex, Metric 122-123, 138, 170-171,
 196, 215, 235, 629
 Hex, Power 182, 230
 Mortorq® 125, 173
 Phillips® 125, 140, 173, 197, 218
 Polydrive® Head Bolt 217
 Pozidriv® 139, 173, 197
 Ribbe® 173
 Screwdrivers 365
 Special Purpose/Application 173, 217
 Stubby, 1/4" Drive 120, 122, 123,
 140, 141
 Stubby, 3/8" Drive 170, 171
 Stubby, 1/2" Drive 217
 Tamper Resistant 122, 137-138, 140,
 167, 168, 196, 234
 TORX®, TORX Plus® 120-122,
 137-138, 167-169, 195-196,
 214, 230, 234, 239
 TORX®, TORX Plus®,
 Power 128, 182, 230, 368
 TORX®, TORX Plus®,
 Sets 120-122, 141, 167-169, 195,
 196, 214, 234, 235
 TORX®, TORX Plus®,
 Tamper Resistant 122, 137-138,
 167, 168, 196, 234
 Triple Square 139, 172, 197, 216-217
 Universal 123
- Bits**
 Air Hammer 567-569
 Aircraft Length 562
 Angle 561
- Brake Lathe** 779
- Double-Ended** 560
- Double Square** 553
- Drill** 428, 553-562
- Holders, Nonconductive** 393
- Jobber Length** 556-557, 559
- Left Hand** 560, 561
- Mechanic's Length** 555
- Screwdriver, Ball Hex** 361
- Screwdriver, Diamond Tip** 366
- Screwdriver, Flat Tip** 368
- Screwdriver, Hex Shank** 361,
 365-366, 367
- Screwdriver, Holders** 355, 364, 367
- Screwdriver, Insert** 353, 367
- Screwdriver, Mortorq®** 366
- Screwdriver, Phillips®, ACR®** 365, 368
- Screwdriver, Phillips®, Insert** 367
- Screwdriver, Power** 362-364, 367-369
- Screwdriver, Pozidriv®** 365, 367, 369
- Screwdriver, Quick Change** 364, 553
- Screwdriver, Sets** 360-364
- Screwdriver, Sets, Power** 362-364, 368
- Screwdriver, Shank, Hex** 361,
 365-366, 367, 553, 561
- Screwdriver, Tamper Resistant** 365
- Screwdriver, TORX®, TORX Plus®** 353,
 357, 361, 365, 367, 368, 369
- Screwdriver, Wobble** 365
- Sets, Extractors** 428, 430
- Shank, Hex** 553, 561
- Shank, Reduced** 562
- Spot Weld Drill** 534
- Step** 562
- ThunderBit®** 554-555
- Titanium-Nitride** 562
- Wire Gauge** 558
- Blades**
 Air Saw 571
 Demolition 571
 General Purpose 571
 Hacksaws 403
 Handsaws 403
 Holders 772
 Metal Cutting 571
 Reciprocating Saw 571
 Screwdriver, Reversible 352
 Sharpening 409
 Wood Cutting 571
- Blast Systems**
 Accessories 809
 Air-Powered 807
 Cabinet-Type Abrasive 806
 Helmets/Hoods 809
 Portable Pressure 807
 Vacuum 807
- Blind Hole Bearing Pullers** 436
- Blow Guns**
 Non-vented 572
 Vented 573
- Blowers, Cordless** 516
- BMW® Service Tools**
 Belt Tensioning Tools 748

- Brake Tools 781, 789, 790
 Compression Adaptors 616
 Differential Service Tools 684
 Filter Sockets 459
 Flip Sockets 119, 459
 Fuel Injection Adaptors 618
 Harmonic Balancer Tools 749
 Hose Clamp Pliers 721
 Impact Sockets 220, 227
 Injector Line Sockets 621
 Leak Detectors 598
 Oil Filter Sockets 734
 Oil Filter Wrenches 735, 736
 Personality Keys 869
 Radiator Tools 717, 718, 719, 720, 722
 Scan Tools and
 Accessories 850-859, 861-864,
 867-868
 Sockets, Fuel Filter 459
 Spark Plug Sockets 421
 Terminal Tools 611
 Tire/Wheel Tools 654, 659, 670,
 672, 678, 679, 680
TORX®, TORX Plus®
 Screwdriver Bits 357
 TORX®, TORX Plus® Sockets 117, 161, 180
Body 791-802
 Alignment Bars 791
 Antenna/Mirror Tools 802
 Bumper Cover Paint Stands 802
 Clip Tools 800
 Cutters, Spot Weld 652, 802
 Dent Pullers 649-652, 791
 Dollies 794
 Door Tools 797-800
 Hammers 793, 794
 Headlamp Aiming 802
 Jacks, Push-Pull 791
 Lock Picks/Lockout Tools 799
 Mastic Removal Tools 802
 Picks/Rods 800
 Pull Rods 800
 Repair 791
 Repair Kits, Hydraulic 692
 Riveting and Nut Setting 503, 795-796
 Shears/Snips 794-795
 Software, Diagnostic 877, 878
 Spoons 794
 Spot Weld Cutters 652, 802
 Suction Cups 800
 Upholstery and Trim Tools 798
 Window/Windshield Tools 800-801
Bolt
 Covers, Caster 81
 Cutters 386, 391
 Grip Pullers 441, 442
 Sockets 461, 462, 463, 464,
 745, 751, 786
 Thread Gauges 426
Bonnet Cleaning Tools 564
Booster Cables 700
Boot Banding Tools 684
Boot Pliers 418
Boots, Air Tool 551
Borescopes 603
Borescopes, Video 603
Bottle/Can Holders, Magnetic 95
Bottle Jacks 692
Box
 Breakout 594
 Wrench Heads, Interchangeable,
 Torque 313-315, 325, 326, 329-330
 Wrenches, Combination 256-261,
 262-263, 270-279
 Wrenches, Heavy Duty,
 Striking 294-296
 Wrenches, Nonconductive 393
 Wrenches, Offset 256-262,
 263-266, 283, 686
 Wrenches, Ratcheting 262-263,
 393, 701
 Wrenches, Special Purpose/
 Application 283-284
 Wrenches, Torque, End Heads 325, 326
Boxes
 Aviation/"Dog Box" 56
 Metal Storage 64
 Plastic Storage 62
Brake
 Adjusting Tools 785
 Bleeder Kits 780-781, 782
 Bleeder Wrenches 789
 Caliper Tools 786, 787
 Dial Test Indicator Sets 784
 Disc Brake Tools 769, 786-787, 790
 Drum/Rotor Gauges 784
 Emergency 784, 788
 Gauges, Resetting 788
 General Service Sets 781
 Lathe Accessories 779
 Parking Brake Tools 784
 Pedal Jacks 680
 Pipe Plug Sockets 789
 Power Steering Adaptor Kits 746
 Power Steering Pullers 444, 746
 Prybar Tool 373
 Service Tools 779, 781, 783-790
 Silencers 779
 Slack Adjusters 466
 Sockets 679, 786, 787, 788, 789
 Software, Diagnostic 871, 873
 Spring Tools 783, 788
 Throttle Depressors 788
 Truck Tools 784, 785, 788, 790
 Vacuum Pressure Pump Kits 779
Brake Pad/Shoe Gauges 787
Brass Hammers 400
Breaker Bars
 1/4" Drive 106, 130, 134
 3/8" Drive 148, 193
 1/2" Drive 203, 233
 3/4" Drive 236
 1" Drive 245
Breakout Boxes 594
Bronze Punches 397
Bronze Tip Hammers 399
Brushes
 Battery 701
 Diesel 449, 456
 Distributor Cleaning 629
 Files 412
 Fingernail 835
 Injector 449, 456
 Paint Gun Cleaning 805
 Parts Cleaning 820
 Taillight Socket 597
 Valve Guide 752
 Wire 565, 701, 812
Budd Wheel Tools 673-674
Buffing Kits 810
Bumper Cover Paint Stands 801
Bung Retreading Kit, Diesel 458
Burrs, Grinding 566-567
Bushing
 Cutters 394
 Driver Sets 757-758
 Extractor Adaptors 680
 Inserter/Remover Sets 687, 756
 Tools 756-760
Butane
 Fuel Cans 643
 Soldering 640, 641, 642, 643
Butcher Block Tops 74
- ## C
- C-Clamps**
 High Visibility 648
 Locking 648, 649
 Medium Duty 812
 Valve Lifters 753
 Welding 648-649
Cabinets
 End 22, 28-31, 40, 47, 49
 Flammables 805
 Overhead 20
 Roll, Classic Series 32-36
 Roll, EPIQ™ Series 14-17
 Roll, Heritage Series 41-44
 Roll, Masters Series 23-26
 Wall 63
 Welding 53, 644
Cables
 Booster 700
 Clamp Pliers, Puller 702
 Cutters 387
 Jumper 700
 Power 12V 868
 Slitting 387
Calibration and Setup Kits 338, 743
Calibration Wheels, Arms 338
Calibrators, Torque 316-319, 335-339
Callipers
 Dial 767, 768
 Electronic Digital 767, 768
 Vernier 767
Camber Adjusting Tools 681
Camshaft
 Bearing Removers/Inserters 752
 Belt Tools 742-743, 751
 Holding Tools 742, 743
 Pulley Tools 742
 Seal Kits 743
 Wrenches, Belt 751

- Can/Bottle Holders, Magnetic 95
 Can Openers 470
 Cape Chisels 395
 Car Starting Units 695, 699-700
 Carbide Burs 566-567
 Carbon Scrapers 413, 415
 Carburetors
 Adjustment Tools 107, 628
 Double "D" Tools 628
 Screwdrivers 628
 CarScan® Code Reader (Blue-Point®) 873
 Carts
 Tool Storage 48, 50-53, 57-61
 Welding 53, 639, 644, 651
 Caster-Camber Tools 681
 Casters 81
 Caterpillar® Service Tools
 Belt Tensioning Tools 455, 747
 Compression Gauge Adaptors 615
 Diagnostic Scan Tools 875, 876
 Hand Sockets 461, 463
 Impact Sockets 240, 241, 243,
 461, 463, 464
 Oil Filter Wrenches 735
 Caulk Guns 500
 Cell Phone Holder 93, 94
 Center Punches 394
 Chain
 Saw Files 412
 Wrenches 308
 Chargers
 Battery 517, 518, 694-696
 Cordless Tools 518
 Lighting 729, 732
 Charging
 Manifolds, A/C 708
 Service Center, A/C 703
 System Analyzers, Battery 697-698
 Chasers
 Circuit 597
 Thread 424
 Chests
 All Weather Tool 55
 Mobile 55
 Road 54
 Top, Classic Series 37
 Top, EPIQ™ Series 18-19
 Top, Heritage Series 44-46
 Top, Masters Series 27
 Chipping Hammers 647
 Chisels
 Accessories 395
 Cape 395
 Demolition 374
 Diamond Point 395
 Flat 395
 Half Round Nose Cape 410
 Long 395
 Midget 397
 Set Charts 395, 397
 Soft Grip 394
 Chisels/Hammers/Punches 394-402
 Chocks, Wheel 675
 Chrysler®/Dodge®/Jeep®
 (Stellantis®) Service Tools
 Air Conditioning Service Tools 711
 Antenna/Mirror Tools 802
 Axle Nut Sockets 671, 672
 Belt Tensioning Tools 455
 Brake Tools 784, 789
 Compression Adaptors 615, 616
 Diesel Service Tools 447, 448
 Differential Service Tools 684
 Door Tools 798, 799
 Engine Service Tools 744, 745,
 746, 747, 750
 Front Wheel Drive Tools 684, 685
 Fuel Injection Adaptors 618
 Fuel Injection Service Tools 620
 Fuel Line Disconnect Tools 623
 Injection Harness Testers 622
 Injector Pullers 458
 Oil Filler Cap Tools 741
 Oil Filter Sockets 734
 Oil Filter Wrenches 736
 Oil Funnels 737
 Personality Keys 869
 Radiator Tools 720, 721
 Scan Tools and Accessories 850, 852,
 854, 856-864, 867-868
 Sockets, Fuel Filter 459
 Sockets, Impact 465
 Sockets, Special Purpose/
 Application 454
 Valve Service Tools 754
 Wheel Lug/Retaining Nut
 Sockets 666, 668, 669
 Window/Windshield Tools 801
 Chucks
 Air 468, 536, 662-663
 Air Hammers 536
 Drill 552, 553
 Keyless 552
 Quick Change 536
 Tire 662-663
 Circuit
 Chasers 597
 Testers 586, 588, 589-597
 Testing Adaptors 588
 Clamps
 C-Clamps, High Visibility 648
 C-Clamps, Locking 648, 649
 C-Clamps, Medium Duty 812
 C-Clamps, Valve Lifters 753
 C-Clamps, Welding 648-649
 Locking, Sheet Metal 649
 U-Clamps 649
 Welding 648-649
 Classic Series 32-40
 Accessories 77, 78, 79, 80, 81
 End Cabinets 40
 Lockers 39
 Optional Add-ons 32, 33
 Quick Reference Chart 32-33
 Roll Cabinets 32-36
 Top Chests 37
 Workstation Risers 38
 Claw Hammers 401
 Claws, Flexible 775
 Cleaners
 Battery Terminals 701
 Degreasers 98
 Diesel 619
 Engine 619
 File 412
 Fit 713
 Fingernail 835
 Fuel 619
 Grease Fitting 738
 Hand 834-836
 Immersion 819
 Paint Gun 805
 Parts Washers 817-820
 Parts Washers, Accessories 820
 Piston Groove 755
 Pressure Washers 822-823
 Cleaning
 Bonnet Tool 564
 Brushes, Distributor 629
 Brushes, Long Handle 812
 Supplies, Tool Storage 98
 Click-Type Torque Wrenches 313-315,
 325-326, 669
 Clip Tools, Body 800
 Clips, Alligator 584, 586, 867
 Close Quarters Bars 375
 Clutch Service Tools 689
 Bit Sockets 125, 173
 Hex Shank Screwdriver Bits 365-366
 Pin Punches 790
 Removers, A/C, Valves 710
 Service Tool Sets, A/C 711
 Coil-on-Plug Probes 607, 864
 Coil Spring Compressors 682
 Collets, Hex Bolt Extractors 435
 Combination
 Hammers 400
 Slip-Joint Pliers 381
 Wrenches 256-261, 263-266, 270-279
 Wrenches, Flex Head 265-266
 Wrenches, Open End,
 Ratcheting Box 256-261, 263-266
 Wrenches, T and L-Shape 298-299
 Combinations
 Tool Storage Units 8-100
 Combustible Gas Detectors 706, 719
 Compact Slimline Hammers 398
 Comparators, Torque 339-340
 Compliant Programming Interface 871
 Composite Tools, Nonconductive 391-393
 Compression
 Adaptors 448, 612, 613, 616
 Adaptors, Glow Plug 616
 Gauge Sets 612, 613, 614
 Gauges, Diesel 615
 Gauges, Motorcycle 467, 613, 614
 Gauges, Testers/
 Test Equipment 613-616
 Compressor Oil Change Kits, A/C 704
 Compressors, Air 815-816
 Computer
 Memory Savers 517, 608
 Torque Testers 332-333, 335-339
 Connectors
 A/C 713
 Extension 109

- Hose 805
 Pliers 387
 Swivel 574
 Continuity Testers 596
 Controltech® Industrial
 Torque Wrenches 311
 Convertible/Fixed Tip Pliers 384
 Cooling System Tools 714-722
 Adaptors 716-718
 Fillers 714, 715
 Leak Detectors 719
 Service Tools 719-722
 Testers and Accessories 715-719
 Corbin Hose Clamp Pliers 721
 Cordless 494-519
 Batteries 517
 Blowers 516
 Caulk Guns 500
 Chargers 518
 Charts 494-495
 Circuit Testers 590
 Cut-Off Tools 501
 Dent Removal Systems 651-652
 Die Grinders 494, 502, 512
 Drills, 14.4V 505-507
 Drills, 18V 498, 499
 Drills/Drivers,
 Quick Reference Chart 494
 Drivers 499
 Engravers 519
 Fans 516
 Flashlights 514
 Floodlights 7, 515, 727
 Grease Guns 499
 Grinders 494, 501, 502, 512
 Impact Wrenches, 14.4V 504
 Impact Wrenches, 18V 496-498
 Impact Wrenches,
 Quick Reference Chart 494
 Inflators 516, 661
 Lighting 513-515
 Memory Savers/
 Power Inverters 517, 608
 Polishing/Prep Tools 513, 519
 Power Tools 494-519
 Ratchets 495, 510, 511
 Reciprocating Saws 495, 500, 509
 Rivet Guns 503
 Sanders 500, 503
 Saws 500, 509
 Screwdrivers 508, 509
 Screwdrivers, Accessories 365, 519
 Screwdrivers, Power Bit Sets 364
 Screwdrivers,
 Quick Reference Chart 495
 Soldering 642
 Speakers 515
 Thermometers 513
 Tool Boots 551
 USB Power Units 517
 Vacuums 516
 Cotter Pin Pullers 675
 Couplers
 Air Line 575
 Quick Change 364, 575, 616
 Removal Tools 719, 784
 Covers
 A/C Service Center 704
 Battery Charger 694
 Diagnostic Smoke Machine 598
 Diagnostic Workcenter 870
 Fender 761
 Motorcycle Gas Tank 467, 761
 Smoke Machine 598
 Tool Storage Unit, Combinations 75-77
 Tool Storage Unit, Road Chests 54
 Tool Storage Unit, Roll Carts 76
 Crankshaft
 Bolt, Impact, 1/2" Drive Socket 228, 461
 Harmonic Balancer Kits 749
 Pulley Tool 448
 Creepers 762-765
 Accessories 80
 Adjustable 763, 764, 765
 Drawer 764, 765
 Hangers 80
 Heavy Duty 763, 765
 Seat 764-765
 Special Purpose/Application 762, 765
 Standard 762
 Under the Dash 765
 Crimpers, Wire 386, 387, 388
 Crimping Tools 386, 709
 Cross Peen Hammers 793
 Crowfoot Socket, Diesel Injector 457
 Crowfoot Wrench 289-294
 1/4" Drive 289
 3/8" Drive 289-292, 453
 1/2" Drive 293-294
 Cummins® Wastegate Solenoid
 3/8" Drive 453
 Holders 89, 292
 Ratcheting 292
 Water Sensor 456
 Crud Thug® 550
 Cummins®
 Bit Sockets 448, 450
 Compression Gauges 615
 Crowfoot Wrenches 453
 Diagnostic Equipment 876, 877
 Feeler Gauges 447, 453, 771
 Fuel Line
 Disconnect Tools 452, 622, 623
 Fuel Pressure Sensors 619
 Impact Sockets 241, 242, 463, 464
 Oil Filter Sockets 459, 734
 Oil Filter Wrenches 735
 Pullers 441, 448, 458
 Service Tools 447, 448, 449,
 450-454
 Socket Drivers 122, 168, 169
 Sockets 209
 Customization, Tool Storage 83-97
 Cut-Off Tools
 Air 522, 540-541
 Cordless 501
 Cutters
 Air 542
 Bolt 386, 391
 Bushing 394
 Cable 387
 Carbide 566-567
 Chain Pipe 415
 Cushion-Throat 378, 472
 Diagonal 378, 390
 Electronic Service 381
 Flush Cut Oval 379
 Heavy Duty Bolt 391
 Hole 556
 Hose 719
 Miniature 389
 Multipurpose 409
 Sets 377-378, 388-391
 Sets, Miniature 389, 644
 Shears 404, 542, 795
 Special Purpose/
 Application 406, 407, 408
 Spot Weld 652, 802
 Tail Pipe 415, 680
 Tube 416
 Tube, Ratcheting 416
 Vinyl 388, 389, 795
 Vinyl Grip 381
 Wheels 566
 Wire 386, 388, 470
 Cutting Oil 576
 CV Boot Tools 684-685
 Cylinder
 Head Tools 745, 753
 Leakage Testers 617
 Ridge Reamers 754
 Service Tools 419, 754
- ## D
- Dana® Axles 671
 Dead Blow Hammers 398-399, 402, 758
 Deburring Tools 563
 Decals, Logo and Racing 97
 Deep Wall Impact Sockets
 1/2" Axle Nut 227, 672
 Deep Well Extractors 429
 Dent
 Pullers, Body 649-652, 791
 Pullers and Accessories 650-652
 Detailing 563, 810
 Detectors
 Leak 598-601
 Leak, A/C 705, 706, 707
 Detroit Diesel® Service Tools
 Belt Tensioning Tools 455, 747
 Bit Socket Drivers 216
 Compression Gauge Adaptors 615
 Diagnostic Scan Tools 875, 876, 877
 Hand Tools 450-454
 Impact Sockets 241, 243, 450,
 454, 461, 462, 463, 464, 465
 Magnetic Sockets 183, 454
 Oil Filter Wrenches 735
 Diagnostic Equipment 840-878
 Accessories 849, 850-863, 868
 Apollo-D8™ Scan Tool 855
 Apollo-D8™ Scan Tool, Accessories 855
 Apollo-D9™ Scan Tool 842
 Apollo-D9™ Scan Tool, Accessories 850

- Battery System Testers.....697-698
 ETHOS® Edge Scan Tool.....845
 ETHOS® Edge Scan Tool,
 Accessories.....853
 ETHOS® PRO Scan Tool,
 Accessories.....856
 Gas Analyzers.....602
 Heavy-Duty
 Vehicle Systems.....874-878
 Information Systems.....872
 MODIS™ Edge Scan Tool,
 Accessories.....859, 864
 MODIS™ Edge Scan Tool, Storage.....869
 MODIS™ Ultra Scan Tool,
 Accessories.....860
 Motorcycle.....842, 843, 845,
 846, 859, 868
 Noise/Vibration.....605
 OBD-II Scan Tools.....873
 P1000™ Motorcycle Scan Tool.....859, 871
 P1000™ Motorcycle Scan Tool,
 Accessories.....859
 Personality Keys.....864, 868, 869
 Pocket iQ™ Systems.....877, 878
 PRO-LINK® Edge and
 Ultra Systems.....874-876, 877, 878
 Quick Reference Guides.....840-841
 Scope/Meter.....864-867
 Service Banners.....704, 864
 ShopKey Pro®
 Information Systems.....872
 Smoke Machines.....598
 Software Upgrades.....871
 SOLUS™ Edge Scan Tool.....846
 SOLUS™ Edge Scan Tool,
 Accessories.....857
 SOLUS Legend® Scan Tool.....846
 SOLUS Legend® Scan Tool,
 Accessories.....853
 SOLUS Ultra® Scan Tool,
 Accessories.....857, 867
 Storage.....869, 870
 Thermal Imagers.....848
 Thermal Lasers.....849
 Triton-D8® Scan Tool,
 Accessories.....856, 864
 Triton-D10™ Scan Tool.....843
 Triton-D10™ Scan Tool,
 Accessories.....851
 VANTAGE® Legend Scan Tool.....847
 VANTAGE® Legend Scan Tool,
 Accessories.....854, 858
 VANTAGE® Ultra Scan Tool,
 Accessories.....858
 VANTAGE® Ultra Test System,
 Accessories.....858
 VERDICT® Scan Tool, Accessories.....861
 VERUS® Edge Scan Tool,
 Accessories.....862
 VERUS® PRO Scan Tool,
 Accessories.....863
 Vibration/Noise.....605
 Wireless Modular.....844, 863
 Zeus™ Scan Tool.....844
 Zeus™ Scan Tool, Accessories.....852
- Diagonal Cutters**.....378, 379, 390
- Dial**
 Gauges, Diesel.....448
 Test Indicators.....769-770, 784
 Tire Pressure Gauges.....660
Diamond Point Chisels.....395
Diamond Tip
 Bits.....366
 Screwdrivers.....346, 366
Die Grinders
 Accessories.....566-567
 Air.....521-522, 536-539
 Cordless.....494, 502, 512
 Heavy Duty.....537, 539
 Kits.....538
 Pencil.....537
Die Sets.....423, 424-426
 Flaring.....416
Die Setter Bars.....376
Dies and Taps
 Left-Hand.....428
 Retreading.....423-424, 425, 453
 Self-Aligning.....426
 Threading.....423-426
Diesel
 Bung Retreading Kit.....458
 Cleaners.....619
 Compression Adaptors.....448, 615
 Compression Gauges.....615
 Engine Turning Tools.....450
 Exhaust Fluid Tools.....455
 Fan Wrenches.....452
 Feeler Gauges.....447, 453, 771
 Flywheel Locks.....458
 Fuel Filter Wrenches.....452, 456
 Fuel Line Tools.....449, 450, 451, 452
 Fuel Pump Wrenches.....449
 Fuel Rail Plugs.....449
 Fuel Sensor, Wrenches.....451, 455
 Fuel Service.....619
 Glow Plug Tools.....454, 455, 616
 Injector Tools.....449, 450
 Oil Pressure Gauge Sets.....451, 612, 626
 Pulley Puller.....441, 445, 446, 448, 451
 Pulse Adaptors.....455, 607
 Pump Adjusting Tools.....449, 450
 Quick Couplers.....616
 Service Tools.....447, 448-450
 Sockets, Engine.....450
 Sockets, Filter.....459
 Sockets, Flank Drive®,
 Flank Drive® Plus.....450
 Sockets, Fuel Injector.....456, 457,
 458, 621
 Sockets, Heavy-Duty Truck.....462, 463,
 464, 465
 Sockets, ICP Sensor.....455
 Sockets, Injector Crowfoot.....457
 Sockets, Pinion Nut.....220, 224, 684
 Sockets, Sensor.....454, 455, 456, 459
 Sockets, Special Purpose/
 Application.....454, 465
 Sockets, Torque Adaptors.....448
 Sockets, Valve Adjuster.....466
 Tachometers.....607
 Timing Gauges.....448
- Torque Adaptors.....448, 466
 Turbo Vane Actuator, Pullers.....447, 457
 Turbo Vane Sockets.....447, 457
 Turbo Wrenches.....447, 457
 Wrenches.....447, 449, 450, 451,
 452, 455, 456, 457
 Wrenches, Air Compressor.....449
 Wrenches, Governor Gap.....452
 Wrenches, Injector Pump.....449, 450
 Wrenches, Starter Bolt.....452
 Wrenches, Valve Adjusting.....449
- Diesel Service Sets,**
 Cummins® Series.....447, 448-450
- Differential**
 Service Tools.....684
 Side Bearing Pullers.....441, 442
- Digital**
 Battery Chargers.....694
 Battery System Testers.....697-698
 Borescopes.....603
 Calipers.....767, 768
 Circuit Testers.....586, 588, 589-597
 Diagnostic Smoke Machines.....598
 Diagnostic Smoke Machines,
 Accessories.....598, 599, 600, 601
 Drum Gauges.....784
 Gas Analyzers.....602
 Leak Detectors.....598, 705
 Manifold Gauges.....708
 Multimeters.....580-587, 593
 Rotor Gauges.....784
 Tachometers.....607
 Thermometers.....712
 Timing Lights.....608
 Tire Pressure Gauges.....661
 Torque Testers.....333, 335, 336, 337
 Videoscopes.....603-604
- Disc Brake**
 Lathe, Accessories.....779
 Test Indicators.....769
 Tools.....786-787, 790
- Disc Sanders**.....546
- Disconnect Tools**
 A/C.....623, 713
 Cooling Systems.....720
 Driveline.....462, 463, 464
 Electrical.....610
 Fuel Systems.....452, 620, 621, 622, 623
 Jiffy-Tite®, Low Profile.....621, 623
 Radiator.....720
- Discs, Grinding**.....566
- Dispensers**
 Glove.....833
 Grease.....738
 Hand Cleaner.....835
- Distributor**
 Drivers.....629
 Tools.....629
 Wrenches.....629
- Dollies**
 Band.....738
 Body.....794
- Door Tools**.....797-800
- Double "D" Tools, Carburetor**.....628

- Double End
 - Drill Bits.....560
 - Wrenches.....284-286
 - Double Hex
 - Bit Sockets.....171, 215
 - Socket Drivers.....171, 215, 426, 461, 462, 463
 - Double Square
 - Bits.....553
 - Sockets, 1/4" Drive.....119
 - Sockets, 3/8" Drive.....163
 - Sockets, 1/2" Drive.....213, 229
 - Sockets, 1" Drive.....250
 - Dowel Pin Pullers.....435
 - Drag Link Sockets
 - 3/8" Drive.....163
 - 1/2" Drive.....213
 - 3/4" Drive.....238
 - Drain
 - Grease and Oil.....739
 - Plug Sockets.....450, 461, 469, 687
 - Plugs.....720
 - Tables, Transmission.....739
 - Valve, Regulators.....804
 - Waste Oil.....739
 - Drawers
 - Dividers.....95
 - EPIQ™ Series Sections.....18-19
 - Heritage Series Sections.....46
 - Liniers.....95
 - Organizers.....53, 83-84, 89, 95
 - Steel Dividers.....53
 - Drift Pin Punches.....397, 569
 - Drills
 - Accessories.....552-562
 - Air.....521, 533-535
 - Angle Drills.....553, 561
 - Bit Set, Extractors.....428, 430
 - Bit Set, Tap and Die.....423, 428
 - Bits.....428, 430, 553-562
 - Bits, Aircraft Length.....562
 - Bits, Double Ended.....560
 - Bits, Double Square.....553
 - Bits, Extractor.....428, 430
 - Bits, Fractional.....430, 560, 561
 - Bits, Hex Shank.....553, 561
 - Bits, Jobber Length.....556-557, 559
 - Bits, Left Hand.....560, 561
 - Bits, Mechanic's Length.....555
 - Bits, Reduced Shank.....562
 - Bits, Right-Angle.....561
 - Bits, Step.....562
 - Bits, Wire Gauge.....558
 - Chucks.....552, 553
 - Cordless, 14.4V.....505-507
 - Cordless, 18V.....498, 499
 - Cordless, Miniature.....507
 - Guides.....430
 - Hammer.....498
 - Hole Cutters.....556
 - Micro, Air.....535
 - Micro, Utility Drill Sets.....563
 - Pilot.....563
 - Power Bit Sets.....553
 - Reversible.....533, 534, 535
 - Right-Angle.....506, 507, 535
 - Spot Weld.....534
 - Drive Line Tools.....462, 683-688
 - Drive Shaft
 - Magnetic Angle Locators.....770
 - Universal Joint Tools.....689
 - Drivers
 - Bearing Race/Seal.....758-760
 - Bushing.....757-758
 - Bushing/Oil Seal.....687
 - Clutch, Socket.....125, 173
 - Cordless, 18V.....499
 - Distributor.....629
 - Double Hex, Socket.....171, 215, 426, 461, 462, 463
 - Hat Tip, Socket.....125, 173, 174, 175, 197, 218
 - Flexible, 1/4" Drive.....107, 109, 110
 - Flexible, Carburetor.....628
 - Handled, 1/4" Drive.....107, 134
 - Handled, 3/8" Drive.....149, 188, 192-193
 - Hex, Bits.....369
 - Hex, Front Wheel Drive Service.....685
 - Hex, Socket.....124, 141, 170-172, 174, 196, 197, 215, 216, 217, 235, 685
 - Impact.....174-175, 216, 218
 - Limiting.....323
 - Magnetic Power Nut Drivers.....365, 552
 - Metric Hex, Socket.....122-123, 141, 170-171, 174, 196, 215, 216, 235, 243, 685
 - Nut.....359, 365, 552
 - Phillips®, Socket.....125, 173, 174, 175, 197, 218
 - Ratcheting.....107, 109, 110
 - Seal.....758, 759, 760
 - Sets, Impact.....174-175, 216
 - Sets, Socket.....141, 174, 197-198, 235
 - Square Drive, Socket.....107, 216
 - Stubby, Socket.....107, 122, 123, 168, 171, 197, 217
 - Torque.....320-321, 322-323
 - TORX®, TORX Plus®, Socket, 1/4" Drive.....117, 120-122, 137-138, 141, 169, 365, 454
 - TORX®, TORX Plus®, Socket, 3/8" Drive.....141, 167-169, 174, 195, 196, 450, 456
 - TORX®, TORX Plus®, Socket, 1/2" Drive.....141, 235, 669
 - Trim Nut.....798
 - Triple Square Bit Socket.....122, 123, 139, 172, 197, 216
 - Drum Plug Sockets.....227, 739
 - Drum/Rotor Gauges.....784
 - Dual 80° Ratchets.....104, 105, 106, 115, 144-147, 201-202
 - Dual Action Sanders.....546
 - Dual Face Hammers.....399, 402
 - Duck Bill Pliers.....380, 381
 - Duramax®
 - Compression Adaptors.....616
 - Compression Gauges.....615
 - Differential Service Tools.....684
 - Flywheel Lock.....458
 - Fuel Pressure Sensors.....619
 - Fuel Sensor Wrenches.....624
 - Hand Tools.....448, 451, 452, 458, 460
 - Impact Sockets.....220
 - Impact Wrenches.....749
 - Injector Pullers.....460
 - Radiator Tools.....717, 718
 - Dust and Grease Cap Tools.....675
 - Dye and Oil Injectors.....710
 - Dzus® Fasteners.....352
- ## E
- Ear Protection.....826
 - Electric/Terminal Tools.....609-611
 - Electric Tools
 - Engravers.....519
 - Polishers.....519
 - Electrical, Towing Maintenance Kits.....597
 - Electrical Service
 - Cutter.....381
 - Screwdrivers, Nonconductive, Composite.....391
 - Tools, Nonconductive, Composite.....391-393
 - Electronic Service
 - Pliers.....381
 - Screwdriver, Miniature.....347-348
 - Screwdrivers.....321, 347-348
 - Tweezers.....643
 - Electronics.....580-611
 - Battery Testers.....697-698
 - Borescopes.....603
 - Calipers.....767, 768
 - Circuit Testers.....586, 588, 589-597
 - Coil-on-Plug Probes.....607, 864
 - Device Storage.....93, 94
 - Electric/Terminal Tools.....609-611
 - Fuel Testing.....619
 - Gas Analyzers.....602
 - Infrared Thermometers.....606
 - Jump Leads.....588
 - Leak Detectors.....598-601
 - Memory Savers.....608
 - Micrometers.....766, 767, 768
 - Multimeters and Accessories.....580-587, 593
 - Power Inverters.....697
 - Refrigerant Scales.....706
 - Stethoscopes.....605
 - Tachometers.....607
 - Terminal Tools.....387, 701
 - Timing Lights.....608
 - Torque Testers.....332-333, 335-339
 - Torque Wrenches.....309-312, 332-339
 - Videoscopes.....603-604
 - Emergency Brake Tools.....784, 788
 - End Cabinets
 - Classic Series.....40
 - EPIQ™ Series.....22
 - Heritage Series.....47, 49
 - Masters Series.....28-31
 - Engine
 - Alternator Tools.....441, 442, 746
 - Barring Sockets.....748

- Belt Tensioning 455, 742, 747-748
 Calibration and Setup Kits 743
 Cam Tools 742-743, 751, 752
 Cleaners 619
 Cooling System Tools 714-722
 Cylinder Head Tools 745, 753
 Cylinder Service Tools 754
 Drain Plug Sockets 450, 687, 744
 Fuel System Maintenance 746
 Harmonic Balancer 445, 749
 Harmonic Damper Pullers 445, 750
 Hoists 693
 Hood Props 751
 Lifting 693
 Oil Pressure/Oil Pump 617, 744
 PCV/EVAP Tools 751
 Piston Service Tools 755
 Power Steering/Alternator/
 Water Pump 746
 Seal Pullers 751
 Service Tools 742-751
 Slings 693
 Sockets, Generator 474
 Sockets, Thermal Vacuum Switch 748
 Software, Diagnostic 871
 Special Purpose/
 Application Tools 751
 Starters 695, 699-700
 Thermal Vacuum Switch Sockets 748
 Timing 742-743, 751
 Turning Tools 450
 Valve Service Tools 752-754
 Engineer Style Hammers 402
 Engravers 519, 548
 Engraving Pen Tips 548
 EPIQ™ Series 8-22
 Accessories 75, 78, 79, 80, 81
 Drawer Sections 18-19
 End Cabinets 22
 Lockers 21
 Optional Add-ons 9, 10, 11, 12, 21, 22
 Overhead Cabinets 20
 Quick Reference Charts 8-13
 Roll Cabinets 14-17
 Roll Carts 48
 Top Chests 18-19
 Workstations 48
 Ergonomic
 Nut Driver Sets 359
 Scrapers 415
 Etching/Engraving Tools 548
 ETHOS® Edge Scan Tool 845
 ETHOS® Edge Scan Tool, Accessories 853
 ETHOS® PRO Scan Tool, Accessories 856
 ETHOS® Series Diagnostic Software 871
 EVAP Testers 598, 599
 Exhaust
 Diesel Bung Rethreading Kit 458
 Fluid Tools, Diesel 455
 Hanger Removal 415
 Pipe Cutters 415
 Probes 602
 Special Purpose/
 Application Tools 415-416
 Tailpipe Stretchers 416
 Tools, Air Hammer Bits 567-569
 Expanders 416
 Extended Reach Hose Grip Pliers 390
 Extension Cords 732
 Extensions
 1/4" Drive 108-109, 126,
 129, 135-136
 3/8" Drive 149-150, 182, 193-194
 3/8" Drive, Nonconductive 392
 1/2" Drive 204-205, 219, 233
 1/2" Drive, Nonconductive 392
 3/4" Drive 236
 1" Drive 246
 1-1/2" Drive 251
 Adaptors, 1/2" Drive 206, 219
 Adaptors, 1-1/2-2-1/2" Drive 251
 Adaptors, Spline to Square 251
 Connectors, 1/4" Drive 109
 Connectors, 3/8" Drive 150
 Flexible, 1/4" Drive 109, 134
 Flexible, 3/8" Drive 194
 Impact, 1/4" Drive 125, 126-127
 Impact, 3/8" Drive 175
 Impact, 1/2" Drive 219, 251
 Impact, 3/4" Drive 239
 Impact, 1" Drive 247
 Impact, 1-1/2" Drive 251
 Knurled,
 1/4" Drive 108, 127, 132-133, 134
 Knurled, 3/8" Drive 149, 193
 Knurled, 1/2" Drive 204, 233
 Locking, 1/4" Drive 109, 126, 135-136
 Locking,
 3/8" Drive 150, 182, 193-194
 Locking, 1/2" Drive 204-205, 219, 233
 Nonconductive 392
 Power, 1/2" Drive 228
 Quick Release 109, 205
 Sets, 3/8" Drive 193-194
 Sockets, Flexible 194
 Sockets, Swivel 119, 164, 219
 Swivel 175
 Swivel Universal Joint 125, 219
 Wobble, Wobble Plus,
 1/4" Drive 108, 109
 Wobble, Wobble Plus, 3/8" Drive 150
 Wobble, Wobble Plus,
 1/2" Drive 204-205
 Wrenches 307
 Extra-Long Screwdrivers
 Flat 342, 343, 344
 Phillips® 342, 345
 Set 342, 343, 345, 363
 Extractors 427-435
 Bits 428, 430
 Collets 435
 Deep Well 429
 Dowel Pin Puller Sets 435
 Hex Bolt Collets 435
 Hex Head Fastener 429
 Multispline 428
 Pipe Nipple Removers 435
 Pipe Plug 430
 Porcelain 418
 Screw 428, 430, 431, 432
 Sets 427-429, 431-433
 Spark Plug 418
 Stud Removers 430-434, 674
 Tapered Bit 430
 Eye Protection
 Face Protectors 637, 826
 Goggles/Glasses 708, 827-828
 Shield Replacements 637
 Welding, Helmets 645-647, 826
 Welding, Lenses 637, 647
- ## F
- Face Protectors 637, 826
 Fan Clutch Wrenches 452, 719
 Fans
 Cordless 516
 Shop 825
 WorkCenter 79, 825
 Fasteners
 Dzus® 352
 Hex Head Extractors 429
 Feeler Gauges 770-773
 Bent 453
 Blades 453, 772, 773
 Blades, Pocket Feeler 772
 Blades and Holders 453
 Diesel 447, 453, 771
 Easy Grip 772
 General Use 771
 Ignition 770
 Sets 772
 Special Purpose/Application 772
 Step 453, 771
 Fender Covers 761
 Files 410-412
 Brushes 412
 Chain Saw 412
 Comfort Grip 412
 Flexible Curved Tooth 795
 Half Round 410
 Instinct® 410
 Mill 410
 Miniature 411
 Multi-Cut Flat 412
 Nib 795
 Round 410
 Spark Plug 419
 Swiss Needle 411
 Thread Restorer 424
 Three Square 410, 412
 Fillers
 Battery 702
 Cooling System 714, 715
 Oil 737, 741
 Filters
 A/C 704
 Air, Paint Spray 804
 Air Processing 814
 Dryers 704
 Parts Washer 817
 Pneumatic Tool 341
 Sockets 734
 Sockets, Diesel 459
 Wrenches, Fuel 452, 456, 620

- Wrenches, Oil 735-736
- Fin Straighteners/Cleaners 713
- Fingertip Ratchets 108, 109, 134, 148
- Firing Indicators, Spark Plug 419
- Fixed Tip/Convertible Pliers 384
- Flammables Storage Cabinet 805
- Flank Drive®, Flank Drive® Plus
- Aerospace Sockets 211
- Impact Sockets, 1/4" Drive 126-127
- Impact Sockets, 3/8" Drive 176-180
- Impact Sockets,
- 1/2" Drive 220-226, 450, 672, 684
- Impact Sockets,
- 3/4" Drive 240-243, 462, 463, 464
- Impact Sockets, 1" Drive 247-250
- Impact Sockets, 1-1/2" Drive 251-253
- Impact Sockets, 2-1/2" Drive 254-255
- Sockets,
- 1/4" Drive 110-118, 126-127, 128
- Sockets, 3/8" Drive 152-160,
- 176-180, 184, 187, 420, 421, 422
- Sockets, 1/2" Drive 206-212,
- 220-226, 684, 788
- Sockets, 3/4" Drive 237-238,
- 240-243, 462, 463, 464
- Sockets, 1" Drive 247-250
- Sockets, 1-1/2" Drive 251-253
- Sockets, 2-1/2" Drive 254-255
- Sockets, High Performance 117
- Sockets, Spark Plug 165, 420-422
- Sockets, Spark Plug, Magnetic 420
- Wrenches, Adjustable/
 Cushion Handles 305
- Wrenches, Brake Bleeder 789
- Wrenches,
- Combination 256-266, 270-278
- Wrenches, Combination
 Ratcheting, Box 256-261, 262-263
- Wrenches, Double Flex Metric 263
- Wrenches,
- Flare Nut 288, 289, 291-292, 294
- Wrenches, Flare Nut, Crowfoot,
 1/4", Drive 289
- Wrenches, Flare Nut, Crowfoot,
 3/8", Drive 289, 291-292
- Wrenches, Flex Head 263
- Wrenches, High Performance 262
- Wrenches,
- Offset Box 256-262, 279-282
- Wrenches, Offset Box,
 High Performance 281-282
- Wrenches, Oxygen Sensors 625
- Wrenches, Pan Plug 744
- Wrenches, Ratcheting Box, No Offset,
 High Performance 262
- Wrenches, Ratcheting Combination,
 No Offset 258-259, 260-262
- Wrenches, Ratcheting Combination,
 No Offset/Spline 260-262
- Wrenches, Reversible Ratcheting
 Box/Speed Open End 256-257
- Wrenches, Reversible Ratcheting
 Combination Offset 257
- Wrenches, Reversible Ratcheting
 Combination/Spline 257
- Wrenches, Specialty Box 283-284
- Wrenches, Tubular 297
- Flap Wheels 565
- Flare Nut
- Sockets 163, 450, 621
- Wrenches, Cummins® 449, 450
- Wrenches, Flank Drive®,
 Flank Drive® Plus 288, 289,
 291-292, 294
- Wrenches, Flare Nut, Crowfoot,
 1/4", Drive 289
- Wrenches, Flare Nut, Crowfoot,
 3/8", Drive 289, 291-292
- Wrenches, Fuel Line 449
- Flaring
- Adaptors 416
- Die Sets 416
- Flaring Tools
- Hydraulic 416
- Sets 416, 417
- Tubing 416, 417
- Flashlights
- Accessories 732
- Cordless 514
- Penlight LED 723
- Rechargeable 723, 724
- UV Leak Detection 706, 707
- Flat
- Chisels 395
- Flat Tip
- Bit Sockets 125, 140, 173, 218
- Screwdriver, Bits 368
- Screwdrivers,
- Electronic Service 347, 348
- Screwdrivers, Hard Handle 343, 344
- Screwdrivers, Nonconductive 391
- Screwdrivers, Pocket, Spark Test 345
- Screwdrivers, Soft Handle 342, 344
- Flex Head
- Ratchets, 1/4" Drive 104, 105, 106, 129
- Ratchets, 3/8" Drive 145
- Ratchets, 1/2" Drive 201
- Ratchets, Pass Thru 199
- Speeders 145, 146
- Wrenches, Combination 265, 266
- Wrenches, Ratcheting Box 269
- Wrenches, Torque 311, 312
- Flexible
- Carburetor Tools 628
- Claws 775
- Distributor Tools 629
- Drivers, 1/4" Drive 107, 109, 110
- Drivers, Carburetor 628
- Extensions, 1/4" Drive 109, 134
- Extensions, 3/8" Drive 194
- File Holders 795
- Files 795
- Lights 82, 707, 725-726, 729
- Neck MIG Torches 631
- Pick-up Tools 776, 777
- Shank (Screwdriver) 353, 356
- Tool Storage Accessories, Magnetic 100
- Flip Sockets
- 1/4" Drive 119, 659
- 3/8" Drive 459, 734
- 1/2" Drive 665, 666, 667, 668
- Filter 459, 734
- Lug Nut 665, 666, 667, 668
- Thin Wall 665
- Floodlights 515, 727, 729, 730
- Floor
- jacks 691
- Lock Kit 98
- Mats 96
- Fluid Maintenance
- Fluid Evacuators 733
- Transfer Pumps 733
- Flush Cut Oval Cutters 379
- Flush Kits 713
- Flywheel
- Locks, Diesel 458
- Tools 458, 689
- FOD Ratchets
- 1/4" Drive 106
- 3/8" Drive 147
- 1/2" Drive 202
- Folding
- Knives 404-408
- Saws, Pruning 403
- Wrench Sets 300-301
- Ford® Service Tools
- Air Conditioning
 Service Tools 710, 711, 713
- Antenna/Mirror Tools 802
- Axle Nut Sockets 671
- Bit Sockets 121, 122
- Brake Tools 783, 784, 786, 787, 789
- Carburetor Tools 628
- Clutch Service Tools 689
- Compression Adaptors 451, 616
- Diesel Service Tools 448, 455-457
- Differential Service Tools 684
- Door Tools 798, 799
- Engine Service Tools 744, 745, 746,
 747, 749, 750
- Exhaust Tools 415
- Filter Wrenches 456
- Front Wheel Drive Tools 684
- Fuel Injection Service Tools 620
- Fuel Line Disconnect Tools 623
- Hand Sockets 461
- Impact Sockets 227
- Injection Harness Testers 622
- Injector Pullers 460
- Oil Filler Cap Tools 741
- Oil Filter Sockets 734
- Oil Filter Wrenches 736
- Oxygen Sensor Tools 625
- Personality Keys 869
- Porcelain Extractors 418
- Radiator Tools 720, 721
- Scan Tools and Accessories 850, 857,
 860, 863, 867-868
- Socket Drivers 168, 169
- Sockets, Fuel Filter 459
- Sockets, Impact 464, 465
- Spark Plug Tools 418, 419
- Transmission Service Tools 686, 687
- Wheel Lug/Retaining
 Nut Sockets 666, 668, 669

| | |
|---|-------------------------|
| Four-Way Angle Head, Wrenches | 286 |
| Fractional Drill Bits | 430, 560, 561 |
| Freeze Plug Tools | 720 |
| Front Wheel Drive, Boots and Joint Tools | 684-685 |
| Fuel | |
| Adaptor Sets | 612-614, 618, 619 |
| Adaptors, Compression Gauge Sets | 612-614 |
| Cleaners | 619 |
| Diesel Fuel Line Tools | 449, 450, 451, 452 |
| Filter Sockets, Diesel | 459 |
| Filter Wrenches | 620 |
| Gauges | 612 |
| Injection, Adaptor Sets | 618, 619 |
| Injection, Gauge Holders | 448 |
| Injection, Specialty Service Tools | 620 |
| Injection, System Cleaners | 619 |
| Injection, Testers/ Test Equipment | 618-620 |
| Injector, Pullers | 448, 449, 450, 457, 460 |
| Injector, Sockets | 456, 457, 458, 463, 621 |
| Injector, Tools | 457, 460, 463, 618 |
| Line Disconnect Tools | 452, 620, 621, 622, 623 |
| Line Stoppers | 621 |
| Line Tools, Diesel | 449, 450, 451, 452 |
| Pressure Sensor Sockets | 620 |
| Pressure Sensor Wrenches | 451, 624 |
| Pump Remover Tools | 620 |
| Pump Wrenches | 449 |
| Rail Plugs | 449 |
| Sensor Tools | 451, 455, 624, 625 |
| Sensor Wrenches, Diesel | 451, 455 |
| Sockets, Filter | 459 |
| Sockets, Fuel Line | 454, 457, 621 |
| System Maintenance | 746 |
| Tank, Covers, Motorcycle | 467, 761 |
| Tank, Lock Ring Tools, Motorcycle | 468 |
| Tank, Ring Tools | 620 |
| Tank, Stands | 693 |
| Tube Removers | 450 |
| Funnels, Oil | 737 |
| Fuse | |
| Pliers | 609 |
| Savers | 595 |

G

| | |
|---------------------------|---------------|
| Gap Gauges | 772 |
| Gappers, Spark Plug | 772 |
| Gas Analyzers | 602 |
| Gas and Oil Service Tools | 473-474 |
| Gas Welding | 631, 632, 639 |
| Gasket Punches | 394 |
| Gauges | |
| Angle Locator | 770 |
| Belt Tensioning | 720, 747 |
| Bore | 767 |
| Brake, Drums/Rotors | 784 |
| Brake, Lining Thickness | 788 |
| Brake, Pad | 787 |

| | |
|---|------------------|
| Brake, Resetting | 788 |
| Brake Pad/Shoe | 787 |
| Compression, Diesel | 615 |
| Compression, Motorcycle | 467, 613, 614 |
| Compression, Sets | 612, 613, 614 |
| Cooling System | 720 |
| Dial Test Indicator | 769-770, 784 |
| Dial Type Tire Pressure | 660 |
| Diesel Compression | 615 |
| Diesel Dial | 448 |
| Feeler, Bent | 453 |
| Feeler, Blades | 453, 772, 773 |
| Feeler, Diesel | 447, 453, 771 |
| Feeler, Easy Grip | 772 |
| Feeler, General Use | 771 |
| Feeler, Ignition | 770 |
| Feeler, Special Purpose/ Application | 772 |
| Feeler, Step | 453, 771 |
| Gap | 772 |
| Holders | 448, 770 |
| Hole | 767 |
| Injector Height | 451 |
| Magnetic Base Holders | 770 |
| Manifold | 708 |
| Oil Rail | 451 |
| Pencil Tire Pressure | 662 |
| Pinion Depth | 768 |
| Pressure, Compression | 612 |
| Pressure, Compression, Diesel | 615 |
| Pressure, Fuel | 612 |
| Pressure, Hydraulic | 439 |
| Pressure, Oil | 451, 612, 744 |
| Pressure, Tire | 660, 661, 662 |
| Pressure, Tire, Dial Type | 660 |
| Pressure, Tire, Digital | 661 |
| Pressure, Transmission | 612, 617, 687 |
| Pressure, Vacuum | 612, 617 |
| Pressure Sets | 612, 617 |
| Small Hole Gauge Sets | 767 |
| Spark Plug | 772 |
| Telescoping | 767 |
| Test, Indicator Dial | 769-770, 784 |
| Test, Micrometer | 767 |
| Thread | 426 |
| Throttle Depressor | 788 |
| Timing | 448, 769 |
| Tire Pressure | 660, 661, 662 |
| Torque Angle | 321 |
| Transmission | 612, 617, 687 |
| Tread Depth | 663 |
| Gear Oil Pumps | 740 |
| Geared Head Multibollers | 332 |
| General Hand Tools | 403-475 |
| General Service Sets | |
| 1/8" Drive | 129 |
| 1/4" Drive | 130-133, 142-143 |
| 3/8" Drive | 184-192, 199-200 |
| 1/2" Drive | 231-232, 235 |
| 3/4" Drive | 244 |
| Tire/Wheel | 674-676, 680 |
| Generator | |
| Diagnostic Waveform | 866 |
| Glass/Acrylic Scrapers | 412 |
| Glasses/Goggles, Safety | 707, 827-828 |

| | |
|------------------------------------|---------------------------------|
| Air Conditioning | 708 |
| UV | 708 |
| Gloves | 829-833 |
| Anti-Vibration | 829, 831 |
| Blast, Abrasive | 809 |
| Carbon Knuckle | 829 |
| Cold Weather | 831, 832 |
| Cut Resistant | 829, 830 |
| Dispensers | 833 |
| Grip | 832 |
| Impact | 829, 830, 831 |
| Latex | 833 |
| Leather | 833 |
| Mechanic's | 831 |
| Nitrile | 833 |
| SuperCuff® | 829, 831 |
| Touchscreen Compatible | 832 |
| Welding | 637 |
| Glow Plug Compression Adaptors | 616 |
| Glow Plug Tools | 455, 616 |
| GM®/GMC®/Chevrolet® Service Tools | |
| Air Conditioning Service Tools | 710, 711 |
| Axle Nut Sockets | 671, 672 |
| Bit Sockets | 121, 172 |
| Brake Tools | 783, 784, 785, 787, 789 |
| Carburetor Tools | 628 |
| Differential Service Tools | 684 |
| Door Tools | 798, 799 |
| Engine Service Tools | 744, 746, 747, 748, 749, 750 |
| Front Wheel Drive Tools | 684, 685 |
| Fuel Injection Service Tools | 620 |
| Fuel Line Disconnect Tools | 623 |
| Impact Sockets | 224 |
| Injection Harness Testers | 622 |
| Injector Pullers | 458, 460 |
| Oil Filter Sockets | 734 |
| Personality Keys | 869 |
| Radiator Tools | 719, 720, 721 |
| Scan Tools and Accessories | 850, 857, 860, 863, 867-868 |
| Socket Drivers | 163, 173 |
| Sockets | 119, 121, 161, 172 |
| Sockets, Fuel Filter | 459 |
| Transmission Service Tools | 686, 687 |
| Wheel Lug/Retaining Nut Sockets | 666, 669 |
| Window/Windshield Tools | 801 |
| Goggles/Glasses, Safety | 707, 827-828 |
| Air Conditioning | 708 |
| UV | 708 |
| Governor Gap Tools | 452 |
| Grease | |
| Bearing Packers | 740 |
| Control Valves | 738 |
| Dispensing Accessories | 738 |
| Drains | 739 |
| Funnels/Spouts | 737 |
| Guns and Accessories | 499, 570, 737-741 |
| Pumps | 740-741 |
| Grease and Dust Cap Tools | 675 |
| Grease Guns | 499, 570, 737-741 |
| Accessories | 570 |
| Cordless | 499 |

- Miniature..... 570
- Grinders**
- Abrasive Discs 576
- Accessories 566-567
- Air 521-522, 536-539
- Angle 538, 539
- Angle, Cordless 494
- Burr 566-567
- Cordless 501, 502, 512
- Die, Accessories 566-567
- Die, Air 536-539
- Die, Kits 538
- Die, Pencil 537
- Discs 566
- Wheels 566
- Groove Cleaners, Piston Ring** 755
- Guns**
- Air Solvent 821
- Blast Systems 809
- Blow, Non-Vented 572
- Blow, Vented 573
- Caulk, Cordless 500
- Grease 499
- Injection 706, 707
- Oil Spray 739
- Paint 803
- Paint, Accessories 803-805
- Rivet, Cordless 503
- Sandblasting 807
- Soldering 641
- Spool 631
- Spray 803
- Stud 651
- Suction 739
- H**
- Hacksaws** 403
- Blades 403
- Miniature 403
- Half Moon Box Wrenches 283
- Half Round Nose Cape Chisels 410
- Hammers**
- Air 536
- Air, Accessories 567-569
- Ball Peen 399, 401
- Body 793, 794
- Brass 400
- Bronze Tip 399
- Chipping 647
- Claw 401
- Combination 400
- Compact Slimline 398
- Cross Peen 793
- Dead Blow 398-399, 402, 758
- Dual Face 399, 402
- Engineer 402
- Heavy Duty 402
- Heavy Duty, Air 536
- Interchangeable 401
- Non-Marring 399, 401
- Piston 400
- Plastic Tip 400
- Rubber Mallet 676
- Sledge 399, 402
- Sledge, Hammer Striking Wrench 296
- Slide 683
- Slimline 398
- Soft Face 400-401
- Soft Steel 402
- Tire/Wheel 676
- Welding 647
- Wheel Weight 654
- Hammers/Punches/Chisels 394-402
- Hand Cleaners 834-836
- Hand Sockets 461, 463, 467
- Hand Tools**
- 1/4" Drive 104-143
- 3/8" Drive 144-200
- 1/2" Drive 201-235
- 3/4" Drive 236-244
- 1" Drive 245-250
- 1-1/2" Drive 250-253
- 2-1/2" Drive 254-255
- General 403-475
- Organization 78, 84-91
- Hand Wheel Adaptors 438, 461
- Handle Bars**
- Roll Cabinets 56, 83
- Handle Mounting Kits and Holders** 78
- Handles**
- 1/4" Drive 107-108, 134
- 3/8" Drive 149, 188, 192
- 1/2" Drive 203-204, 233
- 3/4" Drive 236
- 1" Drive 245
- 1-1/2" Drive 250
- Hammer 793
- Hard Grip Combination
- Screwdriver Sets 343, 344
- Knurled Extension Ratchet 245
- Replacement 412
- Screwdriver 356
- Soft Grip, Combination
- Screwdriver Sets 342, 344, 345-346
- Soft Grip, Drivers 359
- Soft Grip, Replacement 412
- TORQUEMETER® 320-321
- Tubular 296
- Handsaws** 403
- Hangers**
- Wheel 670
- Hardwood Tops** 74
- Harmonic Balancer Tools 445, 749
- Harmonic Damper Pullers 445, 750
- Head Bolt Tools 240, 461, 462, 463, 466, 469, 745
- Headlamps**
- Adjusters 802
- Aiming 802
- Spring Tools 802
- Wrenches 802
- Headlamps (Lights) 727
- Hearing Protection 826
- Heated Leak Detectors 705
- Heavy Duty**
- Air Hammers 536
- Air Movers 825
- Bolt Cutters 391
- Brake Spring Tools 783
- Brake Tools, Truck 790
- Bushing Driver Sets 757
- Creepers 763, 765
- Cut-Off Tools 540
- Cutters, Bolt 391
- Cutters, Diagonal 378, 390
- Diagnostic Equipment 874-878
- Die Grinders 537, 539
- Engine Starters 699
- Gloves 829, 830
- Hammers 402
- Hammers, Air 536
- Hub/Rotor Pullers 683
- Impact Sockets, Spicer® Drive 745
- Impact Wrenches,
- Air 523, 524, 525, 528, 529
- Locks, Replacement, Tool Storage 97
- Manifold Gauges, A/C 708
- Movers, Air 825
- Oil Filter Wrenches 735, 736
- Parts Washers 819
- Pliers 382
- Polishers 547
- Power Tool Tote Bags 65
- Prybars 376
- Pullers 436, 439, 440
- Pullers, Hub/Rotor 683
- Punches 398
- Rack, Wrenches 681
- Replacement Locks, Tool Storage 97
- Sanders 546
- Service Tools, Truck 461-466
- Shears 795
- Sockets, Diesel,
- Truck 462, 463, 464, 465
- Sockets, Lug Nut, Truck 673
- Sockets, Tie Rod, Truck 682
- Soldering 641
- Spicer® Drive Impact Sockets 745
- Suction Cups, Body 800
- Tote Bags 65
- Vehicle Diagnostics 874-878
- Wheel Lug/Retaining Nut Sockets 673
- Wrenches,
- Impact 523, 524, 525, 528, 529
- Wrenches, Oil Filter 735, 736
- Wrenches, Torque 466, 471, 496, 497, 498, 747
- Wrenches, Truck 461, 465, 466
- Helmets, Welding** 645-647, 826
- Heritage Series** 41-47
- Accessories 74, 77, 78, 79
- Drawer Sections 46
- End Cabinets 47, 49
- Lockers 47
- Optional Add-ons 41, 42, 47
- Roll Cabinets 41-44
- Top Chests 44-46
- Hex**
- Adaptors,
- Hex-to-Square 110, 151, 365, 458
- Adaptors, Hex-to-Square,
- Power 128, 182, 362, 363
- Bit Sockets,
- 1/4" Drive 122-124, 138, 139, 140

- Bit Sockets, 3/8" Drive..... 170-172, 198
 Bit Sockets, 1/2" Drive..... 215, 235
 Bit Sockets, 1" Drive..... 246
 Double, 3/4" Drive..... 243
 Drivers..... 124, 141, 170-172, 174, 196, 197, 198, 215, 216, 217, 235, 685
 Head Fastener Extractors..... 429
 Holders..... 87, 88
 Key Sets..... 300-305
 Low Profile Sockets..... 687
 Screwdrivers..... 352, 508, 509
 Shank Bits..... 361, 365-366, 367, 553, 561
 Shanks, Power..... 228, 367
 Wrenches..... 298
- Hi-Lok®**
 Fastener Ratchets, 3/8" Drive..... 148
 Ratchets..... 106, 473
- High Performance**
 Sockets..... 117
 Wrenches..... 262, 281-282
- Hoists, Engine..... 693**
- Holders**
 Bit..... 115, 116, 364, 367
 Bit, Nonconductive..... 393
 Blade..... 802
 Camshaft..... 742, 743
 Flashlight..... 732
 Impact Wrench..... 570
 Injection Gauges..... 448
 Paint Gun..... 805
 Rotating Light Base..... 729
 Socket Driver..... 87
 Sockets..... 85-88, 89, 94, 364, 429
 Step Blades, Feeler Gauges..... 453
 Test Indicators..... 770
 Timing Belt Pulley..... 751
 Timing Chain..... 754
 Tool..... 48, 79, 84-95, 100
 Valve..... 753
 VVT Gear..... 754
 Window..... 802
 Wrenches..... 300
- Hole**
 Cutters..... 556
 Gauges..... 767
 Saws..... 562-563
- Honda®/Acura® Service Tools**
 Brake Tools..... 786, 787, 789
 Fuel Injection Adaptors..... 618
 Impact Sockets..... 127
 Oil Filter Sockets..... 734
 Oil Filter Wrenches..... 736
 Oxygen Sensor Tools..... 625
 Personality Keys..... 869
 Radiator Tools..... 720
 Scan Tools and Accessories..... 850-856, 858-864, 868
 Valve Service Tools..... 754
 Wheel Lug/
 Retaining Nut Sockets..... 666
- Hones..... 791**
Hood Props..... 751
Hook Type Spanner Wrenches..... 308
Hooks..... 94, 370
 Magnetic..... 94
- Hose Clamp**
 Pliers..... 721, 722
 Sockets..... 471
- Hoses**
 A/C..... 709
 Air..... 573-574, 803
 Connectors..... 805
 Crimper Sets, A/C..... 709
 Cutters/Removers..... 719
 Nozzles..... 573, 821
 PCV/EVAP Release Tools..... 751
 Picks..... 722
 Pinchers..... 624
 Pliers, Clamp..... 721, 722
 Pliers, Finching..... 624, 721
 Reels..... 821
 Water..... 573, 821
- Hub**
 Clamp Expanders..... 679
 Lock Tools..... 672
 Pullers..... 683
 Removal Adaptors..... 683
 Scrubbers..... 576
- HVLP Spray Guns..... 803**
- Hydraulic**
 Body Repair Kits..... 692
 Bottle Jacks..... 693
 Flaring Tools..... 416
 Gauges, Mounting..... 439
 Gauges, Pressure..... 439
 Jacks, Bottle..... 693
 Jacks, Service..... 690
 Jacks, Transmission..... 691
 Power Kits..... 438
 Pressure Gauges..... 439
 Pullers..... 436, 438, 439
 Pump and Ram Sets..... 438, 439
 Rivet Tools..... 796
- Hydrometers..... 702**
- Hyundai® Service Tools**
 Bit Sockets..... 125
 Engine Service Tools..... 749
 Oil Filter Wrenches..... 736
 Personality Keys..... 869
 Scan Tools and Accessories..... 850, 857, 860, 863, 867
 Valve Service Tools..... 754

I

- Idle Lock Nut Wrenches..... 447**
- Ignition**
 Adaptors..... 864, 865, 866
 Adaptors, Coil..... 864, 865
 Feeler Gauges..... 770
 Spark Plug Gauges..... 772
 Tools and Testers..... 629
 Wrenches..... 285, 629, 751
 Wrenches, Modular..... 629
- Imagers**
 Digital..... 603, 604
 Thermal..... 848-849
- Immersion Cleaners..... 819**
- Impact**
 Accessories, #5 Spline Drive..... 251
- Adaptors, #5 Spline Drive..... 251**
Drivers Sets..... 174-175, 216, 218
Locking Ring and Pins..... 239, 251, 253, 255
Locking Rings and Pins,
 #5 Spline Drive..... 251
Socket Retainers..... 674
Sockets, Deep..... 126, 177, 178, 180,
 222, 223, 224, 242,
 249-250, 253, 450, 684
Sockets, Detroit Diesel®..... 241, 243,
 450, 454, 461, 462, 464, 465
Sockets, Head Bolt..... 461, 462, 463, 745
Wrenches, Accessories..... 570
Wrenches, Adaptors..... 805
Wrenches, Air..... 520, 523-529
Wrenches, Cordless, 14.4V..... 504
Wrenches, Cordless, 18V..... 496-498
Wrenches, Hand..... 749
- Impact, 1/4" Drive**
 Accessories..... 126-127
 Extensions..... 125, 126-127
 Sockets..... 126-127, 136
 Sockets, Twist..... 136
 Swivel, Universal Joints..... 125
- Impact, 3/8" Drive**
 Accessories..... 175
 Adaptors..... 151
 Drivers..... 174-175
 Extensions..... 175
 Sockets..... 162, 174, 175, 176-180, 181
 Sockets, Spline Drive..... 162
 Sockets, Twist..... 181
 Swivel, Universal Joint..... 180, 194
- Impact, 1/2" Drive**
 Adaptors..... 219
 Caliper Bolt, Swivel..... 786
 Crankshaft Bolt Socket..... 228, 461
 Extensions..... 219, 251
 Sliding T-Handle..... 250
 Sockets..... 220-228, 251-253,
 462-465, 679, 745, 788
 Sockets, Emergency Brake..... 679, 788
 Sockets, Heavy Duty..... 461, 462, 464
 Sockets, Spicer® Drive..... 745
 Sockets, Twist..... 227
 Swivel, Universal Joint..... 219, 233
 Swivels, Caliper Bolt..... 786
- Impact, 3/4" Drive**
 Adaptors..... 239
 Extensions..... 239
 Locking Rings and Pins..... 239
 Sockets..... 240-243, 462, 463,
 464, 465, 684
 Sockets, Inverted..... 243
 Swivel, Universal Joint..... 239
- Impact, 1" Drive**
 Adaptors..... 247
 Extensions..... 247
 Locking Rings and Pins..... 247, 251
 Sockets..... 247-250, 474, 475
 Swivel, Universal Joint..... 247
- Impact, 1-1/2" Drive**
 Extensions..... 251
 Locking Rings and Pins..... 253
 Sliding T-Handle..... 250

Sockets 251-253
 Swivel, Universal Joint 251

Impact, 2-1/2" Drive
 Locking Rings and Pins 253
 Sockets 254-255

Impact Wrenches, Air
 Heavy Duty 523, 524, 525, 528, 529

In-Line Sanders 546

Inflators 516
 Tire 661

Infrared
 Printers 602
 Thermometers 513, 606

Injection Guns 706, 707

Injection Pump Tools 448, 449, 450

Injector
 Brushes, Diesel 449, 456
 Diesel Injector Height Gauges 451
 Diesel Injector Pullers 448, 449, 450, 458, 460
 Diesel Sockets 456, 457, 458, 463, 621
 Fuel, Diesel 449, 450
 Fuel, Disconnect Tools 620
 Fuel, System Cleaners 619
 Fuel, System Tools 618
 Fuel, Testing and Electronics 619
 Gauges 451
 Harness Testers 622
 Height Gauges, Diesel 451
 Pullers 448, 449, 450, 457, 458, 460, 620
 Pump Wrench 448, 449
 Sockets 456, 457, 458, 463, 621
 Sockets, Crowfoot, Diesel 457
 Sockets, Diesel 456, 457, 458, 463, 621

Inserts
 Ratchet, Square Drive Heads 324, 669
 Socket 751

Inspection Mirrors 776, 777

Instinct®
 Files 410
 Screwdrivers 107

Intake Cleaning
 Adaptor 619

Interchangeable
 Hammers 401
 Pliers Tips 385
 Pullers, Bar-Type 441-443
 Pullers, General Purpose Sets 437-440
 Screwdriver Shanks 356
 Torque Wrench, Heads 311, 312, 323-331

International® Service Tools
 Compression Adaptors 451, 616
 Impact Sockets 462, 463, 464

Inverted TORX®, TORX Plus®, 3/4" Drive Impact Sockets 243, 463

Inverters, Power 517, 697

J

Jacks
 Aluminum 690
 Body 791
 Bottle 692
 Floor 691
 Hydraulic 690, 691, 693
 Manifold 415
 Pedal 680
 Push-Pull 791
 Short Chassis 690
 Stands 692
 Transmission 691, 693
 Wheel Dolly 738

Jaw-Type Pullers 436, 437, 438, 439, 440, 441, 442, 443, 445, 446

Jiffy-Tite®, Low Profile
 Disconnect Tools 621, 623

John Deere®
 Bit Sockets 122
 Compression Gauge Adaptors 615
 Radiator Tools 717
 Socket Drivers 168
 Starter Bolt Wrenches 452

Joint Rate Simulator Adaptors 339

Jump Leads 588
 Coiled 588

Jumper Cables 700

K

Keychain 98

Kits
 Pressure Transducers 865
 Soldering Gun 641

Knee Pads 836

Kneeling Mats 98

Knife Blade Scrapers 413

Knives
 Folding 404-408
 Liner Lock 404, 405, 408
 Lockback 404, 408
 Multi-Tools 404
 Multipurpose Cutters 409
 Pocket 404, 405
 Putty 414
 Sharpeners 409
 Special Purpose/
 Application 404, 406, 407, 408
 Utility 408-409
 Windshield 800, 801

L

L-Shaped Wrenches 302-305
 Hex 298, 302-305
 TORX®, TORX Plus® 299, 300, 304-305

Landscape Tools 403

Latch-on® Wrenches 269

Latex Gloves 833

Lathes, Brake Lathe Accessories 779

Leak Detectors 598-601
 A/C 705, 706, 707
 Antifreeze 719

Coolant 719
 Cylinder 617, 745
 Fluid 745
 Smoke 598-601
 Ultraviolet 514, 599-601, 706-707

Leather
 Shears 404
 Shot Dolly 794
 Welding Gloves 637
 Work Gloves 833

Left Hand Drill Bits 560, 561

Lenses, Welding 637, 647

Levels 770

Lifters, Valve 753

Lifting 690-693
 Jacks 690-693
 Pulling Tools 693
 Stands 692
 Transmission 691
 Wheel Dollies 738

Light Bars, LED 81

Lighted Mirrors 778

Lighted Signs 82

Lights 723-732
 Articulating 725-726
 Cordless 513-515
 Flashlights 514, 706, 707, 723, 724
 Flexible 82, 707, 725-726, 729
 Flood 515, 727, 729, 730
 Headlamps 727
 Leak Detection 514, 706-707
 LED 81, 82, 707, 723, 725, 726, 727, 728, 730, 731, 777, 778
 LED, Light Bars 81
 LED, Panels 82
 LED, Strips 82
 Magnetic 81, 729
 Project 724
 Rechargeable, Hood 727
 Rechargeable, Headlamps 727
 Rechargeable, Shop 726
 Shop 726, 729
 Special Purpose/Application 729
 Timing 469, 608
 Tool Storage 81, 82, 731
 Underhood 514, 728
 Utility 514
 UV, LED Flex 707
 Wireless Charging Systems 729

Lineman's Pliers 382, 388, 389, 393

Liner Lock Knives 404, 405, 408

Lithium Batteries 517

Lock-a-Socket, Trays and Rails 84

Lock Bars 97

Lockback Knives 404, 408

Lockers
 Classic Series 39
 EPIQ® Series 21
 Heritage Series 47
 Masters Series 31, 96
 Toppers 96

Locking
 Adaptors, 1/2" Drive 127, 205
 Clamps 648, 649

- Extensions,
 - 1/4" Drive 109, 126, 135-136
 - Extensions,
 - 3/8" Drive 150, 182, 193-194
 - Extensions,
 - 1/2" Drive 204-205, 219, 233
 - Extensions, 3/4" Drive 236
 - Knives 404
 - Lug Nut Remover Kits 667, 671
 - Pliers 383, 649
 - Rings and Pins, #5 Spline Drive 251
 - Rings and Pins, 3/4" Drive 239
 - Rings and Pins, 1" Drive 247, 251
 - Rings and Pins, 1-1/2" Drive 253
 - Rings and Pins, 2-1/2" Drive 253, 255
 - Rings and Pins,
 - Impact #5 Spline Drive 251
 - Rings and Pins, Impact 3/4" Drive 239
 - Rings and Pins, Impact 1-1/2" Drive 253
 - Rings and Pins,
 - Impact 2-1/2" Drive 253, 255
 - Speeders 203
 - Locks**
 - Floor Lock Kit 98
 - Padlocks 97
 - Pick Sets 371-372
 - Picks/Lockout Tools 799
 - Sockets 669
 - Tool Storage 97, 99
 - Logo and Racing Decals** 97
 - Long**
 - Flat Chisels 395
 - Nose Pliers 390
 - Pin Punches 397
 - Reach Pliers 381, 390
 - Scrapers 415
 - Low Profile**
 - Ratchets 106, 115, 147
 - Screwdrivers 353
 - Sockets, 1/4" Drive 115-116
 - Sockets,
 - 3/8" Drive 158-159, 179, 184, 687
 - Sockets, 1/2" Drive 227
 - Low Torque/Slimline Wrenches** 285
 - Lubricants**
 - Anti-Seize 833
 - Synthetic 833
 - Lubrication**
 - Accessories 576
 - Tools 733-741
 - Lug Nut**
 - Punch 668
 - Sockets 462, 665, 666, 667, 668, 673
 - Tools 462
 - Truck Heavy Duty, Sockets 673
- M
- Mack® Service Tools** 463, 615, 874, 875, 876, 877
 - MacPherson Strut Tools** 682
 - Magnetic**
 - Accessories,
 - Tool Storage 88-90, 91-95, 100
 - Adaptors 110, 151
 - Angle Locators 770
 - Bar Tool Holders 91
 - Base, Dial Test Indicators 770
 - Base, Holders 88
 - Bit Holders 88, 89, 364
 - Bit Holders, Screwdriver 355, 364, 367
 - Bit Sockets 365
 - Brake Spring Tools 783
 - Holdings, Bar Tool 91
 - Holdings, Bit 88, 89, 355, 364
 - Holdings, Can/Bottle 95
 - Holdings, Cell Phone 93, 94
 - Holdings, Impact Wrench 570
 - Holdings, Nut 91
 - Holdings, Socket 88, 89, 94
 - Hooks 94, 805
 - Lights 81, 729
 - Nut Drivers 365, 552
 - Nut Drivers, Power 365
 - Nut Holders 91
 - Paint Gun Hooks 805
 - Panels 93
 - Pick-up Tools 776-777
 - Power Nut Drivers 365
 - Ratchet and Bit Sets 357
 - Socket Clips, Rails, Holders 88, 89
 - Sockets, 1/4" Drive 128
 - Sockets, 3/8" Drive 183
 - Sockets, 1/2" Drive 229
 - Sockets, Spark Plug 420
 - Tool Storage
 - Accessories 88-90, 91-95, 100
 - Wrench
 - Organizers 89, 90, 91, 94, 570
 - Magnifiers** 732
 - Mallets** 400, 676
 - Manifolds**
 - Air 575
 - Gauges 708
 - Jack Sets 415
 - Marine Plug Screwdrivers** 354
 - Master Bit Kits** 360
 - Masters Series** 23-31
 - Accessories 78, 79, 80, 81, 98
 - End Cabinets 28-31
 - Lockers 31, 96
 - Optional Add-ons 23, 24
 - Quick Reference Chart 23-24
 - Roll Cabinets 23-26
 - Top Chests 27
 - WorkCenters 27
 - Mats**
 - Anti-Fatigue 96
 - Floor 96
 - Kneeling 98
 - Tool Storage Rubber 73, 74
 - Work Surfaces 72, 73, 74
 - Measuring** 766-774
 - Angle Locators 770
 - Calipers 767, 768
 - Contact Points and Extensions 770
 - Dial Test Indicator
 - Gauges 769-770, 784
 - Feeler Gauges 770-773
 - Levels 770
 - Magnetic Bases 770
 - Micrometers and Sets 766, 768
 - Precision Straight Edges 774
 - Sets 774
 - Small Hole Gauge Sets 767
 - Spark Plug Gauges/Gappers 772
 - Squares 774
 - Steel Rules 774
 - Straight Edges 774
 - Straight Edges, Precision 774
 - Tape Rules 775
 - Telescoping Gauge Sets 767
 - Thread Gauges 426
 - Timing Gauges 448, 769
 - Mechanic's Stethoscope** 605
 - Memory Savers/**
 - Power Inverters 517, 608
 - Mercedes-Benz® Service Tools**
 - Belt Tensioning Tools 748
 - Bit Sockets 120, 172, 216, 217
 - Brake Tools 781, 789
 - Cam Holders 743
 - Compression Adaptors 451, 613, 616
 - Compression Gauges 615
 - Door Hinge Tools 799
 - Flip Sockets 119, 459
 - Fuel Filter Sockets 459
 - Fuel Injection Adaptors 618
 - Impact Sockets 220, 227, 243, 462, 463, 465
 - Injector Sockets 458
 - Oil Filter Sockets 734
 - Oil Filter Wrenches 735, 736
 - Personality Keys 869
 - Radiator Tools 716, 717, 718, 719, 720
 - Scan Tools and Accessories 850-852, 854, 856-864, 867
 - Socket Drivers 216
 - Spark Plug Tools 418, 421
 - Special Purpose/
 - Application Sockets 454
 - Terminal Tools 611
 - Tire/Wheel Tools 659, 670, 672
 - TORX®, TORX Plus® Sockets 117, 180
 - Valve Adjusters 466
 - Wrenches 299
 - Metal**
 - Boxes 64
 - Cutting Shears 795
 - Snips 794
 - Metric Tools**
 - 3/8" Drive 151, 187, 191, 192, 199-200
 - Adaptors, Torque 120, 214, 466
 - Bit Sockets 122-123, 138, 170-171, 195, 215, 216, 235, 629
 - Bolt Grip Puller
 - Bolts and Washers 443
 - Brake Tools 787
 - Bushing Driver Sets 757, 758
 - Calipers 767
 - Carburetor Tools 638
 - Caster-Camber Tools 681
 - Conversion Charts 315
 - Crowfoot Wrenches, 1/4" Drive 289

- Crowfoot Wrenches,
 - 3/8" Drive 291, 292
- Crowfoot Wrenches, 1/2" Drive 293
- Cylinder Head 745, 753
- Decimal/Metric Conversion Chart 315
- Distributor Tools 629
- Drill Bits 554, 557
- Fan Clutch Wrenches 719
- Feeler Gauges 453, 771, 772
- Files, Thread Restorer 424
- Flaring Tools 417
- Flaring Tools, Tube Cutting 416
- Folding Hex Wrenches 300-301
- Fuel, Pressure Sensors 454, 624
- Gauges, Bolt Thread 426
- Gauges, Feeler 453, 771, 772
- Gauges, Thread Pitch 424, 426
- General Service Sets 231-232
- Head Bolt Tools 461, 463, 745
- Hex Drivers 122-123, 141, 170-171, 174, 196, 215, 216, 235, 243
- Hex Head Drivers 628
- Hex L-Shape Wrenches 298, 302-304, 305
- Hex Wrenches 298, 300-301, 302, 303, 304
- Measuring 775
- Motorcycle Service Tools 469
- Nut Setters 552
- Oxygen Sensor Tools 626-627
- Pin Punches 395
- Puller, Bolt Grip and Washers 443
- Ratcheting Box Wrenches,
 - Combination 257, 258, 260-261, 262-265
- Ratcheting Box Wrenches, Combination, Flank Drive® 257, 262-263
- Ratcheting Box Wrenches, Crowfoot 292
- Ratcheting Box Wrenches, Flank Drive®, Double Flex 263
- Ratcheting Box Wrenches, High Performance 262
- Ratcheting Box Wrenches, Locking Flex Head 269
- Ratcheting Box Wrenches, Spindle 283
- Ratcheting Box Wrenches, T-Handle 267
- Rethreading Tools 423
- Scrowdrivers 352, 355, 360, 361, 362
- Set Building 484-490
- Socket Drivers 122-123, 141, 170-171, 174, 196, 215, 216, 235, 243, 685
- Sockets, Bolt 745
- Sockets, Diesel Injector 450
- Sockets, Drain Plug 687, 744
- Sockets, Flank Drive®, Flank Drive® Plus 187, 206-208, 210, 450
- Sockets, Flip 119
- Sockets, Fuel Injector 458
- Sockets, Hand 467
- Sockets, Hex Bit 122-123, 138, 170-171, 196, 215, 235, 629
- Sockets, Lug Nut 462, 666, 667, 668
- Sockets, Pipe Plug 119, 163-164, 789
- Sockets, Sensor 450
- Sockets, Spark Plug 422
- Sockets, Swivel Ball Extension 119
- Sockets, Transmission Drain Plug 469, 687
- Sockets, Valve Cover Bolt 745
- Spark Plug Hole Rethreaders 418
- Spindle Rethreaders 425
- Taps and Dies 423, 424-426
- Thread Gauges 426
- Thread Pitch Gauges 424, 426
- Threading Tools 423-426
- Tire/Wheel Tools 665, 666, 667, 668, 672, 673
- Torque Adaptors 120, 214, 466
- Tube Cutting, Flaring Tools 416
- Valve Guide Removers 752
- Valve Tools 745, 752, 753
- Wrenches, Adjustable, Interchangeable Heads 325-327, 329-331
- Wrenches, Combination 270, 272-274, 276-278, 279
- Wrenches, Crowfoot, 1/4" Drive 289
- Wrenches, Crowfoot, 3/8" Drive 291, 292
- Wrenches, Crowfoot, 1/2" Drive 293
- Wrenches, Fan Clutch 719
- Wrenches, Flank Drive®, Flank Drive® Plus, Offset Box 279
- Wrenches, Flank Drive®, Flank Drive® Plus, Specialty Box 283-284
- Wrenches, Folding Hex 300-301
- Wrenches, Hex 298, 300-301, 302, 303, 304
- Wrenches, L-Shape Hex 298, 302-304, 305
- Wrenches, Offset Box 279-282
- Wrenches, Open End 284-286, 288-289, 293
- Wrenches, Pan Plug 744
- Wrenches, Striking 295-296
- Wrenches, TORQOMETER® 316-321
- Wrenches, Torque 313-315
- Wrenches, Tubular 296-297
- Micro Air Tools**
 - Drills 535, 563
 - Finishing Tools/Kits 548
 - Impact Wrenches 527
 - Ratchets 531, 532
 - Sanders/Polishers 548
 - Saws 542
- Micro Utility Drill Sets 563
- Micrometers 766, 767, 768
 - Gauges, Test 767
 - Inside 767
 - Mechanical 766
 - Test Gauges 767
- MICROScan® OBD-II Scan Tools 873
- Midget**
 - Chisels 397
 - Punches 397
 - Wrenches 277-278, 280
- MIG Torches 630-632, 634
- MIG Wire Feed Welders and Accessories 630-632
- Mill Files 410
- Mini Tip Screwdrivers 345, 347
- Miniature**
 - Air Ratchets 531, 532, 533
 - Awls, Hooks and Picks 370
 - Circuit Testers 592
 - Cutters 389
 - Die Grinders, Air 536, 538
 - Drills, Cordless 507
 - Files 411
 - Grease Guns 570
 - Hacksaws 403
 - Pliers 389, 390, 644
 - Pliers/Cutters Sets 389
 - Prybars 374
 - Saws 403
 - Screwdrivers 345, 347-348, 353
 - Soldering Tools 640, 644
 - Welding Clamps 649
- Mirror/Pick-up Tools 775-778
- Mirrors 775-778
 - Hinged 777
 - Inspection 776, 777
 - Lighted 778
 - Pocket 778
 - Sockets 802
 - Telescoping 778
- Mobea Hose Clamp Pliers 721
- Mobile**
 - Battery Chargers, Cordless Tools 517, 518
- Mobile Solutions 48-53
 - End Cabinets, Heritage Series 49
 - Roll Carts 48, 50-53, 57-61
 - Roll Carts, Blue-Point® 57-61
 - Workstations 48, 49, 644
- MODIS™ Edge Scan Tool, Accessories 859, 864
- MODIS™ Edge Scan Tool, Storage 859
- MODIS™ Series Diagnostic Software 871
- MODIS™ Ultra Scan Tool, Accessories 860
- Modular Connectors, Crimping Tools 387
- Mortorq®**
 - Bits 366
 - Pinless Bit Socket Driver 173
 - Super Socket 181
- Motorcycle**
 - Adjusting Tools 469, 672
 - Air Chucks 468
 - Brake Tools 786
 - Clutch Service Tools 689
 - Compression Gauges 467
 - Exhaust Probes 602
 - Gas Tank Covers 467, 761
 - Jacks 692
 - Lifting/Jacks 692
 - Oil Filter Wrenches 736
 - Personality Keys 869
 - Scan Tools and Accessories 842-843, 845-846, 850-854, 858-859, 868, 871
 - Service Tools 467-469
 - Sockets 163, 421, 454, 467, 469

| | |
|-------------------------------|---------------|
| Sockets, Spark Plug | 467 |
| Tire Changers | 657 |
| Transmission Service Tools | 687 |
| Valve Service Tools | 753 |
| Wheel Balancer | 654 |
| Wheel Balancing Accessories | 654 |
| Wrenches | 467, 468, 469 |
| Multi-Cut Flat File | 412 |
| Multi-Cylinder Secondary | |
| Ignition Adaptors | 865, 866 |
| Multi-Function Switch Tool | 609 |
| Multi-Tools | 404 |
| Multimeters | 580-581, 593 |
| Accessories | 582-584 |
| Test Leads | 584-587 |
| Multiplier Geared Heads | 332 |
| Multiplier Wrenches | 332 |
| Multiposition Prybar | 374 |
| Multipurpose Cutters/Scrapers | 409, 415 |
| Multispline Extractors | 428 |

N

| | |
|----------------------------------|-----------------------------|
| Navistar® | 455-457 |
| Belt Tensioning Tools | 455 |
| Compression Adaptors | 615, 616 |
| Diagnostic Equipment | 875, 877 |
| Diesel Tools | 455-457 |
| Filter Wrenches | 456 |
| Fuel Injector Sockets | 456, 457 |
| Impact Sockets | 463 |
| Turbo Tools | 457 |
| Neck Lights | 727 |
| Needle | |
| Files | 411 |
| Needle-Nose Pliers | 380-381, 390 |
| Scalers | 549 |
| Ni-Cad Batteries | 606 |
| Nib Files | 795 |
| Nibblers | 542 |
| Nissan®/Renault®/Mitsubishi® | |
| Service Tools | |
| Brake Tools | 789 |
| Budd Wheel Tools | 673 |
| Compression Adaptors | 616 |
| Engine Service Tools | 742, 745 |
| Hand Sockets | 461 |
| Impact Sockets | 212 |
| Oil Filter Wrenches | 736 |
| Oxygen Sensor Tools | 625 |
| Personality Keys | 869 |
| Scan Tools and Accessories | 850, 857, 860, 863, 867-868 |
| Socket Drivers | 173 |
| Transmission Service Tools | 686 |
| Valve Service Tools | 754 |
| Noise/Vibration Diagnostic Units | 605 |
| Non-Marring | |
| Hammers | 399, 401 |
| Prybars | 373, 375 |
| Scrapers | 375, 412, 413, 414 |
| Nonconductive | 391-393 |
| Adaptors | 393 |
| Bit Holders | 393 |
| Extensions | 392 |

| | |
|-------------------------|------------------------|
| Pliers | 393 |
| Ratchets | 392 |
| Screw Starters | 391 |
| Screwdrivers | 391 |
| Sockets | 392 |
| Wrench, Ratcheting Box | 393 |
| Nozzles, Water | 573, 821 |
| Nut | |
| Axle Sockets | 227, 670-671, 672, 684 |
| Drivers | 359, 365, 552 |
| Holder, Magnetic | 91 |
| Setting and Riveting | 503, 795-796 |
| Starters | 358 |
| Nut Drivers | |
| Ergonomic | 359 |
| Power, Magnetic | 365, 552 |
| Soft Grip | 359 |
| T-Handle, T-Shape | 359 |
| Nylon Tool Chest Covers | |
| Road Chests | 54 |

O

| | |
|-----------------------------|------------------|
| OBD-II Break Out Boxes | 594 |
| OBD-II Scan Tools | 873 |
| Offset Screwdrivers | 351, 358 |
| Oil | |
| A/C Compressor | 704 |
| Air Motor | 576 |
| Can Openers | 470 |
| Change Kits, A/C | 704 |
| Cutting | 576 |
| Drains | 739 |
| Drum Plug Sockets | 227, 739 |
| Filler Cap Tools | 741 |
| Funnels | 737 |
| Gas and Oil Service Tools | 473-474 |
| Pressure Gauge Sets | 612, 617 |
| Pumps | 740, 744 |
| Spray Guns | 739 |
| Suction Guns | 739 |
| Transmission Tables | 739 |
| Oil and Dye Injectors | 710 |
| Oil and Gas Service Tools | 473-474 |
| Oil Filters | |
| Pliers | 733 |
| Sockets | 459, 734 |
| Wrenches | 470, 735-736 |
| Wrenches, Aviation | 470 |
| Oil-Fired Hot Water | 823 |
| Oil Rail Gauges | 451 |
| Oilers | 740 |
| Open End Wrenches | |
| AN Fitting | 287, 307 |
| Combination Flare Nut | 288 |
| Combination Ratcheting, Box | 256-261, 263-266 |
| Combination Spline | 257, 259 |
| Crowfoot 1/4" Drive | 289 |
| Crowfoot 3/8" Drive | 289-291 |
| Crowfoot 1/2" Drive | 293 |
| Double End Flare Nut | 288 |
| Double End Open | 284-286 |
| Flex-Combination | 265-266 |
| Offset | 285 |

| | |
|---------------------------|-------------------------|
| Torque Interchangeable | |
| Heads | 326-328 |
| Tubular | 296 |
| Openers, Can | 470 |
| Orbital Sanders | 522, 543, 544, 545, 546 |
| Oval Bearing Race Punches | 394 |
| Oval Punches | 394 |
| Overhead Cabinets | |
| EPIQ™ Series | 20 |
| Oxygen Sensor Tools | 617, 625-627 |

P

| | |
|------------------------------------|----------------------------------|
| P1000™ Motorcycle Diagnostic | |
| Scan Tool | 859, 871 |
| P1000™ Motorcycle Scan Tool | |
| Accessories | 859 |
| Pad Spreaders | 787 |
| Padlocks | 97 |
| Pads, Knee | 836 |
| Paint | |
| Bumper Cover Paint Stands | 801 |
| Flammables Storage Cabinets | 805 |
| Gun Hooks | 805 |
| Spray Guns and Accessories | 803-805 |
| Tool Storage Unit Touch-up | 99 |
| Palm Ratchets | 148 |
| Panel Tools, Door | 793 |
| Parking Brake Removal Tools | 784 |
| Parts | |
| Aqueous Based Washers | 818-819, 820 |
| Cleaning Brushes | 820 |
| Solvent Based Washer | 817, 820 |
| Storage Cases | 63 |
| Trays | 62, 80, 83, 92 |
| Washer Accessories | 820 |
| Washers | 817-820 |
| Pass-Thru Assistant | 871 |
| Pass-Thru Pro IV Vehicle Interface | 871 |
| Pedal Jacks | |
| Accelerator | 680 |
| Brake | 680 |
| Pencil Die Grinders | 537 |
| Pentagon Sockets | 473 |
| Personality Keys | 864, 868, 869 |
| Persuader Wrenches, Valve | 307, 473 |
| Phillips® | |
| Bit Sockets | 125, 140, 173, 197, 218 |
| Composite, Nonconductive | 391 |
| Insert Bits | 367 |
| Mini-Tip Screwdrivers | 345, 347 |
| Pocket Screwdrivers | 347 |
| Power Bits | 368 |
| Screwdrivers | 342, 345-346, 347, 365, 367, 368 |
| Screwdrivers, Bits | 365, 367, 368 |
| Screwdrivers, Extra-Long | 342, 345 |
| Screwdrivers, Mini-Tip | 345, 347 |
| Screwdrivers, Pocket | 347 |
| Pick-up Tools | 775-777 |
| Claws | 775 |
| Flexible | 775, 776 |
| Lighted | 775 |

- Magnetic 776-777
- Picks
- Hose 722
- Picks and Scribes 371-372
- Picks/Rods, Body 800
- Pilot Bearing Pullers 446, 689
- Pilot Drills 563
- Pin Punches 395, 396, 397, 569, 790
- Pin-Type Spanner Wrenches,
- Adjustable 308
- Pinch Bars 375, 376
- Pinching Pliers 624, 721
- Pinion
- Bearing Pullers 444
 - Depth Gauges 768
 - Nut Sockets 220, 224, 684
- Pinstripe Removal Tools 549
- Pipe
- Nipple Removers 435
 - Plug Extractors 430
 - Plug Sockets 119, 163-164, 213, 789
 - Wrenches 306
- Piston Hammers 400
- Piston Service Tools 755, 787, 790
- Pitman Arm Pullers and
- Removers 441, 442, 443, 444, 461
- Pivot Pins, Steering Puller 444
- Plasma Cutters 638
- Plasma Cutters Cart 644
- Plastic
- Drawer Dividers 95
 - Hammers 400
 - Storage 62
- Pliers
- Adjustable Joint 306, 382, 390
 - Angle Nose 702
 - Battery 702
 - Bent Nose 380
 - Brake Spring 783
 - Clamp, Boot 684
 - Clamp, Cable 702
 - Clamp, Corbin Hose 721
 - Clamp, Heater Hose 721
 - Clamp, Hose 624, 721, 722
 - Combination 381
 - Combination, Slip-Joint 381
 - Composite, Nonconductive 393
 - Connector 387
 - Crimping 386, 388
 - Cutting 379
 - Duck Bill 380, 381
 - Electronic Service 381
 - Emergency Brake 788
 - Exhaust Hanger Removal 415
 - Extended Reach Hose Grip 390
 - Fixed Tip/Convertible 384
 - Fuse 609
 - Heater Hose Clamp 721
 - Heavy Duty 382
 - Hose Clamp 721, 722
 - Interchangeable Tip 385
 - Lineman's 382, 388, 389, 393
 - Locking 383, 649
 - Locking, Plug Weld 649
 - Long Nose 390
 - Long Reach 381, 390
 - Miniature 389, 390, 644
 - Mobea Hose Clamp 721
 - Needle Nose 380-381, 390
 - Nonconductive Composite 393
 - Oil Filter 733
 - Organizers 91
 - Pinching 624, 721
 - Precision 379
 - Radiator Hose Clamp 623, 624
 - Retaining Ring 384-385
 - Sets 377-378, 388-391
 - Slip-joint 381, 390
 - Snap Ring 384, 679, 688
 - Stripe Nose 379
 - Spark Plug Boot 418
 - Special Purpose/Application 380
 - Stork Bent 381
 - Talon Grip™ 380, 381
 - Valve Stem Seal 418, 753
 - Vinyl Grip 381, 388, 389
 - Wheel Weight 654
 - Wire Twisting 470
 - Wrenches 306
- Pliers/Cutters Sets, Miniature 389
- Plug Weld, Locking Pliers 649
- Pneumatic
- Adaptors 720
 - Rivet Tools 796
 - Torque Filters/Regulators 341
 - Torque Wrenches 340
- Pocket
- Blow Guns 572
 - Knives 404, 405
 - Lights 729
 - Magnifiers 732
 - Mirrors 778
 - Screwdrivers 345, 347, 353
 - Sharpeners 409
 - Thermometers, A/C 712
- Pocket IQ™ Heavy Duty
- Vehicle Diagnostics 877, 878
- Polishers
- Air 547, 548
 - Cordless 513, 519
 - Electric 519
 - Portable Pressure Blast Systems 807
- Polydrive Head Bolt,
- 1/2" Bit Socket Driver 217
- Portable Pressure Blast Systems 807
- Potentiometer Adjusters 348
- Power
- Adaptors, 1/4" Drive 127
 - Adaptors, 3/8" Drive 182
 - Adaptors, 1/2" Drive 228
 - Antenna Sockets 802
 - Bit Sockets, Hex 182, 230
 - Bit Sockets, TORX®, TORX Plus® 128, 182, 230, 368
 - Drivers 499, 508, 509
 - Extensions 182, 228
 - Hex Shanks, 1/2" Drive 228
 - Inverters 517, 697
 - Inverters/Memory Savers 517, 608
 - Magnetic Nut Drivers 365, 552
 - Magnetic Sockets, 1/4" Drive 128
 - Magnetic Sockets, 3/8" Drive 183, 454
 - Magnetic Sockets, 1/2" Drive 229
 - Screwdrivers,
 - Bits 362-364, 367-369 - Shears 542
 - Sockets, 1/4" Drive 128
 - Sockets, 3/8" Drive 164, 183
 - Sockets, 1/2" Drive 229
 - Universal Joint, 3/8" Drive 182
- Power Steering/Alternator
- Service Tools 441, 442, 444, 746
- Power Tools 494-576
- Accessories 65, 128, 182, 228, 552-571
 - Air 520-551
 - Cordless 494-519
 - Electric, Corded 519
- Pozidriv®
- Bit Sockets 139, 173, 197
 - Drivers 139, 173, 175, 197
 - Screwdrivers 349, 354
 - Screwdrivers, Bits 365, 367, 369
 - Screwdrivers, Hex Shank Bits 367
- Precision Tools
- Pliers 379
 - Straight Edges and Steel Rules 774
- Preset Torque
- Screwdrivers 322
 - Wrenches 323
- Presses
- Ball Joint 677, 678
 - Ball Joint Adaptors 678
 - Bench 813
 - Brake Caliper 786
 - Bushing 788
 - Piston 787
- Pressure
- Adaptors 583
 - Blast Systems 807
 - Fuel Injection 618
 - Gauges, Compression 612, 613, 614
 - Gauges, Hydraulic 439
 - Gauges, Oil 451, 612, 744
 - Gauges, Sets 612
 - Gauges, Testers/
 - Test Equipment 612, 617, 620 - Gauges, Tire 660, 661, 662
 - Gauges, Transmission 612, 617, 687
 - Gauges, Vacuum 612, 617
 - Regulators 639, 804
 - Screw Pullers 437, 438, 439, 440, 441, 442, 443, 444
 - Sensors 451
 - Transducers Kits 865
 - Washers 822-823
- Pressure Washers, Cold Water 822
- Pressure Washers,
- Oil-Fired Hot Water 823
- Printers
- Battery Analyzers, Wireless 698
 - Battery Tester 698
 - Infrared 602
- PRO-LINK® Edge and Ultra Heavy-Duty Vehicle
- Diagnostics 874-876, 877, 878

- PRO-LINK® Edge Scan Tool** 874
- Probes**
- Amp..... 582, 866
 - Back..... 587, 867
 - Coil-on-Plug..... 607, 864
 - Exhaust..... 602
 - Fuel Injection..... 620
 - Ignition Quick..... 607
 - Temperature..... 583-584
- Props, Hood**..... 751
- Pruning Saws**..... 403
- Prybars**..... 373-376
- Brake Tool..... 373
 - Heavy Duty..... 376
 - Multiposition..... 374
 - Non-Marring..... 373, 375
 - Prying/Smoothing Tools..... 373
 - Racks..... 81
 - Sets..... 373-376
 - Striking..... 373, 374
- Prying/Smoothing Tools**..... 373
- Pull Rods**..... 800
- Pullers**
- A/C..... 441, 442
 - Accessories..... 443, 444
 - Adaptors..... 436, 438, 439, 441, 442, 443, 444, 445
 - Alternator Pulley..... 441, 442, 448, 746
 - Axle..... 489, 683
 - Bar-Type..... 436, 441, 442, 443
 - Bar-Type Adaptors..... 436, 438, 441, 442, 443
 - Battery Cable Clamp..... 702
 - Bearing..... 441
 - Blind Hole Bearing..... 436
 - Body Dent..... 649-652, 791
 - Bolt Grip..... 441, 442
 - Bushing..... 394
 - Bushing/Oil Seal..... 687
 - Cable Clamp..... 702
 - Camshaft Pulley..... 742
 - Cotter Pin..... 675
 - Cummins®..... 441, 448, 458
 - Dent..... 649-652, 791
 - Diesel Injector..... 448, 449, 450, 457, 458, 460
 - Diesel Pulley..... 441, 445, 446, 448, 451
 - Diesel Turbo Vane Actuator..... 447, 457
 - Differential Side Bearing..... 441, 442
 - Dowel Pin..... 435
 - Expanded Collet..... 436
 - Freeze Plug..... 720
 - Fuel Injector..... 448, 449, 450, 457, 458, 460, 620
 - Gear..... 441, 442, 443, 448
 - General Purpose Sets..... 437-440
 - Harmonic Damper..... 445, 750
 - Heavy Duty..... 436, 439, 440
 - Hub..... 683
 - Hydraulic..... 436, 438, 439
 - Interchangeable Sets..... 437-443
 - Jaw-Type..... 436, 437, 438, 439, 440, 441, 442, 443, 445, 446
 - Light Duty Sets..... 437
 - Medium Duty Sets..... 438
 - Pilot Bearing..... 446, 689
 - Pinion Bearing..... 444
 - Pitman Arm..... 441, 442, 443, 444, 461
 - Power Steering..... 444, 746
 - Power Steering Pulley..... 441, 442, 746
 - Pressure Screw..... 437, 438, 439, 440, 441, 442, 443, 444
 - Pulley..... 441, 442, 445, 446, 448, 451, 742
 - Pump and Ram..... 438, 439
 - Quarter Panel..... 791
 - Rear Axle..... 489
 - Seal..... 676, 751
 - Selection Guide..... 436
 - Side Bearing..... 441, 442
 - Slide Hammer..... 435, 436, 437, 438, 439, 440, 450, 683, 791
 - Special Purpose/Application..... 446
 - Steering Pivot Pin..... 444
 - Steering Wheel..... 441, 444
 - Stud..... 651
 - Tapped Hole..... 443, 446
 - Transmission Pump..... 688
 - Wheel Hub..... 683
- Pulse Adaptors, Diesel**..... 455, 607
- Pump Adjusting Tools, Diesel**..... 448, 449
- Pump and Ram Pullers**
- Type Features..... 436
- Pump and Ram Sets**..... 438, 439
- Pumps**
- Fuel Transfer..... 733
 - Grease/Oil..... 740-741
 - Oil..... 740, 744
 - Vacuum..... 601, 704, 709, 779
- Punches**
- Accessories..... 395
 - Automatic Centering..... 394
 - Bronze Drift..... 397
 - Bronze Pin..... 397
 - Bronze Punch Sets..... 397
 - Bronze Round..... 397
 - Bronze Tapered..... 397
 - Center..... 394
 - Clutch Pin..... 790
 - Drift Pin..... 397, 569
 - Gasket Punch Set..... 394
 - Heavy Duty..... 398
 - Lug Nut..... 668
 - Metric Pin..... 395
 - Midget..... 397
 - Oval Bearing Race..... 394
 - Pin, Clutch..... 790
 - Pin, Drift..... 397, 569
 - Pin, Long..... 397
 - Pin, Metric..... 395
 - Roll Pin Guides..... 396, 397, 569
 - Round..... 397
 - Selection Guide..... 395, 397
 - Soft Grip..... 394
 - Spring..... 398
 - Staked Axle Nut..... 672
 - Starter..... 394
 - Tapered Punch Sets..... 397
 - Transfer..... 396
- Punches/Chisels/Hammers**..... 394-402
- Push-Pull**
- Jacks..... 791
 - Pullers..... 436
 - Spring Tools..... 354
- Push Rod Tools**..... 445, 453
- Putty Knives**..... 414
- ## Q
- Quick Change**
- Bits..... 364, 553
 - Chucks, Air Hammers..... 536
 - Coupler, Screwdriver Bit..... 364
 - Couplers, Air..... 575
 - Couplers, Diesel..... 616
 - Extension Sets..... 205
 - Tips, Blow Gun..... 572
- Quick Connect/Disconnect Tools**
- A/C Service..... 623, 713
 - Cooling System..... 720
 - Fuel..... 452, 620, 621, 622, 623
 - Jiffy-Tite®, Low Profile..... 621, 623
 - Radiator..... 720
 - Transmission..... 623, 686
- Quick Couplers**..... 364, 575, 616
- Quick Cutter, Handsaws**..... 403
- Quick Reference Charts**
- Air Tools..... 520-522
 - Cordless Power Tools..... 494-495
 - Diagnostic Equipment..... 840-841
 - Tool Storage, Classic Series..... 32-33
 - Tool Storage, EPIQ™ Series..... 8-13
 - Tool Storage, Masters Series..... 23-24
 - Tool Storage, Roll Cabinets..... 8-13, 23-24, 32-33
- Quick Release**
- Ratchets..... 105, 133, 146, 192, 202, 233
- ## R
- Race/Seal Drivers, Bearing**..... 758-760
- Racing and Logo Decals**..... 97
- Racks**
- Leads/Probes/Adaptors..... 593
 - Prybars..... 81
 - Screwdrivers..... 79
- Radiator Cap, Wrenches**..... 720
- Radiator Tools**..... 624, 714-722
- Radio**
- Removal Tools..... 802
 - Trim Nut Sockets..... 802
- Railroad Tools**
- Sockets..... 474-475, 671
 - Wrenches..... 475
- Rails and Clips, Socket**..... 85, 87, 88, 89
- Ratchet and Bit Sets, Magnetic**..... 357
- Ratcheting**
- Adaptors..... 106, 109-110, 151, 203, 237
 - Box Wrenches..... 256-266, 311-312, 325-326, 329-330, 393, 701
 - Box Wrenches, Battery Terminal..... 701
 - Box Wrenches, Combination..... 256-261, 262-266
 - Box Wrenches, Crowfoot..... 292

- Box Wrenches, High Performance..... 262
 Box Wrenches, Nonconductive..... 393
 Box Wrenches,
 Spline..... 257, 259, 266, 283
 Box Wrenches, T-Handle..... 267
 Box Wrenches, Torque Interchangeable
 Heads..... 311, 312, 325, 326, 329-330
 Crimpers..... 387
 Cutters..... 416
 Drivers..... 107, 109, 110
 Flare Nut, Torque
 Interchangeable Heads..... 329, 330
 Screwdrivers..... 354-358
 Screwdrivers, Bit Sets..... 361-362
 T-Handle Drivers..... 107
 Tube Cutter..... 416
 Wrenches, Tap..... 426
 Wrenches, Torque..... 311
- Ratchets**
 1/4" Drive..... 104-106, 129, 133
 3/8" Drive..... 144-148, 151, 192,
 510-511, 530-532
 1/2" Drive..... 201-203
 Adaptors..... 106, 109-110, 147,
 151, 203, 237
 Air..... 520, 530-532
 Compact Head..... 146, 148
 Cordless..... 510, 511
 Dual 80° Technology..... 104, 105, 106,
 115, 144-147, 185, 201-202
 Fingertip..... 108, 109, 134, 148
 Flex Head, 1/4" Drive..... 104, 105, 106, 129
 Flex Head, 3/8" Drive..... 145
 Flex Head, 1/2" Drive..... 201
 Flex Head, Pass Thru..... 199
 Flex Head,
 Quick Release..... 105, 133, 146, 202
 FOD..... 106, 147, 202
 Heads, Handles... 107, 108, 233, 236, 245
 Heads, Ratchet, 3/4" Drive..... 236
 Heads, Ratchet, 1" Drive..... 245
 Heads, Torque Wrench..... 311
 Hi-Lok®..... 106, 148, 473
 Low Profile..... 106, 115, 147
 Nonconductive..... 392
 Palm..... 148
 Quick Release..... 105, 133, 146, 192,
 202, 233
 Quick Release,
 Flex Head..... 105, 133, 146, 202
 Repair Kits..... 202
 Round Head..... 105, 147
 Scaffold..... 202
 Sets..... 129, 192
 Spinners..... 106, 148, 192, 203
 Spud..... 202
 Swivel..... 105, 119, 146, 147
- Reamers**
 Ridge..... 754
 Tapered..... 563
- Rear Axle Pullers**..... 489
- Rechargeable**
 Flashlights..... 723, 724
 Lights, Flood..... 727
- Lights, Project..... 724
 Lights, Utility..... 514
- Reciprocating Saws**
 Air..... 522, 542
 Cordless, 18V..... 500
- Refrigerant**
 Leak Detectors..... 705
 Recovery Recycling Centers..... 703
 Scales..... 706
 Wrenches..... 713
- Refrigeration Wrenches**..... 713
- Regulators, Air Processing**..... 804, 814
- Relay Test Kits**..... 595, 596
- Remote Control**
 Mirror Tools..... 802
 Starter Switches..... 700
- Remove-All Tool**..... 550
- Removers**
 A/C Clutch..... 710, 711
 Camshaft Bearing..... 752
 Fuel Pump..... 620
 Fuel Tube..... 449
 Hose..... 719, 721
 Oil Pump..... 744
 Radiator Coolant Reservoir..... 720
 Stud..... 430-434, 674
 Tie Rod..... 678, 681
 Valve Guide..... 752
 Valve Keeper..... 753
- Repair**
 Body..... 791
 Extractors, Porcelain..... 418
 Ratchets..... 202
- Retainers**
 Chuck..... 536
 Slugging Wrench..... 294
- Retaining Ring Pliers**..... 384-385
- Rethreading Tools**..... 418, 423-424, 425
- Reversible**
 Cut-Off Tools, Air..... 541
 Disc Sanders..... 546
 Drills..... 533, 534, 535
 Screwdriver Blades..... 352, 353
 Wrenches..... 256-257, 263-266,
 268, 799
- Ridge Reamers, Cylinder**..... 754
- Rim Tools, Wheel**..... 675
- Rivet Guns, Cordless**..... 503
- Riveting and Nut Setting**..... 503, 795-796
- Road Chests**..... 54
- Roll Cabinets**
 Classic Series..... 32-36
 Covers..... 75-77
 Customization..... 83
 EPIQ™ Series..... 14-17
 Handle Bars..... 56, 83
 Heritage Series..... 41-44
 Masters Series..... 23-26
 Quick Reference
 Charts..... 8-13, 23-24, 32-33
 Side Panels..... 78
 Top Mats..... 72, 73, 74
 Roll Carts..... 48, 50-53, 57-61
 Roll Carts, Blue-Point®..... 57-61
 Roll Pin Punches..... 396, 397, 569
- Rolling Head Prybars..... 376
 Rotor/Drum Gauges..... 784
- Round**
 Files..... 410
 Head Ratchets..... 105, 147
 Punches..... 397
- RPM Adaptors**..... 583, 865
- Rubber**
 Hammers..... 676
 Mats, Tool Storage..... 73, 74
- Rulers**..... 774
- S**
- S-Shaped Box Wrenches**..... 284
- Safety**..... 826-836
 Back Supports..... 836
 Ear Protection..... 826
 Face Protection..... 826
 Gloves..... 829-833
 Goggles/Glasses,
 Safety..... 637, 708, 827-828
 Hearing Protection..... 826
 Hoods..... 637, 809
 Knee Pads..... 836
 Welding Apparel..... 637
 Welding Helmets..... 645-647, 826
 Welding Sleeves..... 637
 Wiring..... 470
- Sandblasters and Accessories**..... 807-809
- Sanders**
 Accessories..... 563-564
 Air..... 522, 543-547
 Belt..... 503, 547
 Cordless..... 500, 503
 Disc, Reversible..... 546
 Dual Action..... 546
 Geared..... 522, 543, 544, 545, 546
 In Line..... 546
 Micro..... 376, 548
 Orbital..... 522, 543, 544, 545, 546
- Saws**
 Air..... 542
 Blades..... 403, 571
 Cordless..... 500, 509
 Folding, Pruning..... 403
 Hack..... 403
 Hand..... 403
 Hole..... 562-563
 Micro..... 542
 Miniature..... 403
 Pruning..... 403
 Quick Cutter..... 403
 Reciprocating, Air..... 522, 542
 Reciprocating, Cordless..... 500, 509
- Scaffold Ratchets**..... 202
- Scalers, Needle**..... 549
- Scales, Refrigerant**..... 706
- Scissors**..... 404, 795
- Scope and Meter Accessories**..... 864-867
- Scope/Meter Diagnostic
 Equipment**..... 864-867
- Scopes**
 Electronic Stethoscopes..... 605
 Video Borescopes..... 603

- Scrapers
 Carbon 413, 415
 Ergonomic 415
 Glass/Acrylic 412
 Knife Blade 413
 Long 415
 Multipurpose 415
 Non-Marring 375, 412, 413, 414
 Sets 413, 415
 Striking 413
 Window 802
- Scrapers and Putty Knives 413-415
- Screw
 Extractors 428, 430, 431, 432
 Starters 358, 391
- Screwdriver Bit Sets 360-364, 368
 Cordless Power 364
 Power 362-364, 368
 Ratcheting 361-362
- Screwdrivers 342-369
 Aluminum 358
 Ball Hex, Bits 361
 Bit Sockets 365
 Bits and Accessories 355, 364-369, 519
 Carburetor 628
 Cordless 508, 509
 Diamond Tip 346
 Diamond Tip, Bits 366
 DZUS® Fastener 352
 Electronic Service 321, 347-348
 Flat Tip 342, 343, 344, 347, 348, 391
 Flat Tip, Bits 368
 Hard Grip Combination Sets 343, 344
 Hex 352, 508, 509
 Hex Shank, Bits 361, 365-366, 367
 Hex Tip/
 Soft Handle 345, 346, 348, 349
 Holders, Bits 355, 364, 367
 Insert, Bits 353, 367
 Instinct® 107
 Low Profile 353
 Marine Plug 354
 Mini Tip 345, 347
 Miniature 345, 347-348, 353
 Mortorq®, Bits 366
 Nonconductive 391
 Offset 351, 358
 Phillips® 342, 345-346, 347, 367, 368
 Phillips®, ACR® Bits 365, 368
 Phillips®, Insert Bits 367
 Phillips®, Soft Grip 345, 346, 347
 Pocket 345, 347, 353
 Pop Up 353
 Potentiometer Adjusting 348
 Power, Bits 362-364, 367-369
 Pozidriv® 349, 354
 Pozidriv®, Bits 365, 367, 369
 Pozidriv®, Hex Shank Bits 367
 Quick Change, Bits 364, 553
 Racks 79
 Ratcheting 354-358
 Reversible Blade 352
 Sets 342, 343, 351, 353, 355, 357-358
 Shank, Hex Bits 361, 365-366, 367, 553, 561
- Soft Grip Combination Sets 342
 Soft Handle/Flat Tip 342, 344
 Spark Test 345
 Special Purpose/Application 351-354
 Square Tip 353
 Square Tip, Bits 369
 Stubby 355
 T-Handle, T-Shape 356
 Tamper Resistant, Bits 365
 Torque 321-322
 TORX®, TORX Plus® 349-351, 357, 369
 TORX®, TORX Plus®, Bits 353, 357, 361, 365, 367, 368, 369
 Wobble, Bits 365
- Scribe Picks 371-372
- Seal
 Drivers 758, 759, 760
 Pullers 676, 751
 Removal Tools, Pliers Style 418
 Removal Tools, Screwdriver Style 371
 Removal Tools, Sets 371, 676
 Removal Tools, Transmission 371
- Seat Creepers 764-765
- Sensors
 Oxygen, Tools 617, 625-627
 Socket, PTU 625
 Sockets, Diesel 454, 455, 456, 459
 Sockets, Fuel 454
 Sockets, ICP 455
 Sockets, Temperature 626
 Versatorq® 334
 Voltage 597
 Wrench, Fuel Pressure 451, 624
 Wrench, Oxygen 625-627
- Separators, Ball Joint 678
- Serpentine Belt Tools 455, 747, 748
- Service Banners 704, 864
- Service Light Resetting Tools 609
- Service Tools
 Body 791-802
 Brake 779, 781, 783-790
 Cylinder 419, 754
 Engine 742-751
 Gas and Oil 473-474
 Motorcycle 467-469
 Piston 755
 Valve 752-754
- Set Building 476-490
- Apprentice Sets 476
 Core Sets 490
 Metric(A-D) 484-490
 US(1-6) 476-483
- Sets
 Awls, Hooks and Picks 370-372
 Extractors 427-429, 431-433
 Flaring Tools 416, 417
 Fuel Line Stoppers 621
 Pick 371-372
 Pressure Gauges 612, 617
 Scrapers 413
 Screwdriver Bits 360-364, 368
 Steel Stamping 396
- Sets, General Service
 1/8" Drive 129
 1/4" Drive 130-133, 142-143
 3/8" Drive 184-192, 199-200
 1/2" Drive 231-232, 235
 3/4" Drive 244
- Shackle Pin Sockets 227, 673
- Shanks
 1/4" Drive, Screwdriver 365-366
 1/2" Drive 228
 Interchangeable/
 Flexible Ratcheting 353, 356
 Power Hex 228
- Shears
 Air 542
 Metal Cutting 795
 Powered 542
 Shop 795
 Vinyl 795
- Shock Absorber Tools 680
- Shop Cleaning 817-825
 Parts Cleaning 817-821
 Pressure Washers 822-823
- Shop Equipment 723-816
 Abrasive Blast Systems and
 Accessories 806-809
 Air Compressors 815-816
 Air Processing Equipment 804, 814-816
 Auto Care/Detailing 810
 Body Service Tools 791-802
 Brake Service Tools 779, 781, 783-790
 Bushing/Seal Tools 756-760
 Clamps and Vises 813-814
 Covers 761
 Creepers 762-765
 Cutters 794-795
 Engine Service Tools 742-751
 Fans 825
 Feeler Gauges 770-773
 Files 795
 Fluid Maintenance 733
 Levels 770
 Lighting 514, 723-732
 Lubrication 733-741
 Measuring 766-774
 Mirror/Pick-up Tools 775-778
 Oil-Fired Hot Water 823
 Piston Service Tools 755
 Shop Supplies 811-812
 Spray Guns and Accessories 803-805
 Vacuums 516, 823-824
 Valve Service Tools 752-754
 Workbenches 814
- Shop Gear/Supplies 826-836
 Back Supports 836
 Buffing Kits 810
 Ear and Face Protection 826
 Eye Protection 827-828
 Gloves 829-833
 Hand Cleaners 834-836
 Knee Pads 836
 Lubricants 833
 Protective Equipment 836
 Towels 835
 Wire Brushes 812
 Wire Wheels 811
- ShopKey® Pro Information Systems 872

- Short Chassis Service Jacks..... 690
 Short Circuit Locators..... 596
 Shot Dolly..... 794
 Side Bearing Pullers..... 441, 442
 Signs, Lighted..... 82
 Silencers, Brake..... 779
 Slack Adjusters, Brake..... 466
 Sledge Hammer Wrenches..... 296
 Sledge Hammers..... 399, 402
 Sleeve Pullers..... 445
 Slide Hammer Pullers..... 683
 2 Jaw..... 435, 437, 438, 439
 3 Jaw..... 435, 437, 438, 439, 440
 Bar-Type..... 435, 437, 438, 439, 440
 Bearing, Blind Hole..... 436
 Body, Dent..... 651, 791
 Dowel Pin..... 435
 Injector..... 450
 Pipe Nipple..... 435
 Selection Guide..... 436
 Sets..... 437, 438, 439
 Sliding T-Handles
 1/4" Drive..... 108
 3/8" Drive..... 149
 1/2" Drive..... 204
 3/4" Drive..... 236
 1" Drive..... 245
 1-1/2" Drive..... 250
 Sliding Trays..... 80
 Slimline
 Hammers..... 398
 Wrenches..... 285
 Slings, Engine..... 693
 Slip-joint Pliers..... 381, 390
 Slitter
 Cable..... 387
 Slugging Wrench Retainers..... 294
 Small Hole Gauge Sets..... 767
 Smartphone Accessories..... 93, 94
 Smoke Machines..... 598-601
 Snap Ring
 Pliers..... 384, 679, 688
 Retention Devices..... 219, 669
 Snipe Nose Pliers..... 379
 Snips
 Aviation..... 794
 Tin..... 794
 Socket Drivers
 Ball Hex, 1/4" Drive..... 123, 124, 172
 Ball Hex, 3/8" Drive..... 128, 172, 685
 Ball Hex, 1/2" Drive..... 215
 Clutch, 1/4" Drive..... 125
 Clutch, 3/8" Drive..... 173
 Deep Wall Impact..... 224, 672
 Double Hex, 3/8" Drive..... 171, 426
 Double Hex, 1/2" Drive..... 215, 462, 463
 Flat Tip, 1/4" Drive..... 125
 Flat Tip, 3/8" Drive..... 173, 174, 175, 197
 Flat Tip, 1/2" Drive..... 218
 Hex, 1/4" Drive..... 124, 141, 171, 235
 Hex, 3/8" Drive..... 124, 141, 170-172,
 174, 196, 197, 215, 235
 Hex, 1/2" Drive..... 141, 215, 216, 217, 235
 Holders..... 87
 Metric Hex,
 1/4" Drive... 122-123, 141, 170, 196, 235
 3/8" Drive..... 122, 141,
 170-171, 174, 196, 215, 235
 Metric Hex,
 1/2" Drive..... 141, 215, 216, 235
 Metric Hex, 3/4" Drive..... 243
 MORTORQ®, 1/4" Drive..... 125
 Nut Drivers..... 359
 Phillips®, 1/4" Drive..... 125
 Phillips®, 3/8" Drive..... 173, 174, 175, 197
 Phillips®, 1/2" Drive..... 218
 Polydrive Head Bolt, 1/2" Drive..... 217
 Pozidriv®, 1/4" Drive..... 139
 Pozidriv®, 3/8" Drive..... 173, 175, 197
 Sets..... 141, 174, 175, 197-198, 235
 Special Purpose/Application..... 169
 Stubby, 1/4" Drive... 107, 122, 123, 124, 171
 Stubby,
 3/8" Drive..... 122, 123, 168, 171, 197
 Stubby, 1/2" Drive..... 217
 TORX®, TORX Plus®, 1/4" Drive..... 117,
 120-122, 137-138, 141, 169, 365, 454
 TORX®, TORX Plus®, 3/8" Drive..... 141,
 167-169, 174, 195, 196, 450, 456
 TORX®, TORX Plus®, 3/8" Drive,
 Extra-Long Bit..... 169, 450
 TORX®, TORX Plus®,
 1/2" Drive..... 141, 235, 669
 TORX®, TORX Plus®, Tamper Resistant,
 1/4" Drive..... 122, 137-138, 141, 365
 TORX®, TORX Plus®, Tamper Resistant,
 3/8" Drive..... 122, 141, 167, 168, 196
 TORX®, TORX Plus®, Tamper Resistant,
 1/2" Drive..... 141
 TORX®, TORX Plus® 1/4" Drive..... 117,
 120-122, 141, 169, 454
 Triple Square, 1/4" Drive..... 139
 Triple Square,
 3/8" Drive..... 122, 123, 172, 197
 Triple Square, 1/2" Drive..... 216-217
 Universal, TORX®, TORX Plus®,
 1/4" Drive..... 117
 Sockets
 1/4" Drive..... 109, 110-118, 119-129,
 135-143, 234-235, 659, 713
 3/8" Drive, Blue-Point®..... 194-200
 3/8" Drive, Disc Brake..... 787
 3/8" Drive, Flank Drive®..... 152-160,
 176-180, 184, 187, 420, 421, 422
 3/8" Drive, Flip..... 459, 734
 3/8" Drive,
 Low Profile..... 158-159, 179, 184, 687
 3/8" Drive,
 Magnetic Surface Drive..... 183
 3/8" Drive, Oil Filter..... 734
 3/8" Drive, Spark Plug..... 165, 421, 422
 3/8" Drive, Special Purpose/
 Application..... 163-164, 169,
 180-181, 454
 3/8" Drive, Spline..... 162
 3/8" Drive, Surface Drive..... 183
 3/8" Drive, TORX®,
 TORX Plus®..... 160-161, 167-169,
 180-181, 195, 196
 3/8" Drive, Universal..... 151, 159-160,
 161, 165, 180, 188-190, 192
 3/8" Drive, Valve Cover Bolt..... 745
 1/2" Drive..... 206-213, 214-215,
 216-218, 220-230,
 231-232, 234-235, 786
 3/4" Drive..... 236-243, 684, 787
 1" Drive..... 246, 250
 1-1/2" Drive..... 251-253
 Aerospace..... 211
 Aviation..... 471
 Axle Nut..... 227, 670-671, 672, 684
 Ball Joint..... 165, 679
 Bit, 1/4" Drive..... 122, 123, 137-141
 Bit, 3/8" Drive..... 170-173, 197-198
 Bit, 1/2" Drive..... 214-218, 230, 234-235
 Bit, 1" Drive..... 246
 Bit, Socket Sets,
 Blue-Point®..... 142-143, 234-235, 367
 Budd Wheel..... 673-674
 Composite, Nonconductive..... 392
 Countersink..... 161, 686
 Cylinder Head..... 745
 Deep Impact..... 126, 177, 178, 180,
 222, 223, 224, 242, 249-250,
 253, 450, 684
 Die..... 426
 Diesel..... 448, 450, 454, 455, 456, 457,
 458, 459, 462, 463, 464, 465, 466
 Disc Brake..... 786, 787
 Double Square, 1/4" Drive..... 119
 Double Square, 3/8" Drive..... 163
 Double Square, 1/2" Drive..... 213, 229
 Double Square, 1" Drive..... 250
 Drag Link, 3/8" Drive..... 163
 Drag Link, 1/2" Drive..... 213
 Drag Link, 3/4" Drive..... 238
 Drain Plug, Transmission..... 469, 687
 Drain Plugs, Engine,
 Oil..... 450, 461, 469, 687, 744
 Drain Plugs, Radiator..... 720
 Drive Fuel Line..... 454
 Drum Plug..... 227, 739
 Emergency Brake..... 679, 788
 Engine..... 450
 Engine Barring..... 748
 Flank Drive®, Flank Drive® Plus,
 1/4" Drive..... 110-118, 126-127, 128
 Flank Drive®, Flank Drive® Plus,
 3/8" Drive..... 152-160, 176-180, 184,
 187, 420, 421, 422
 Flank Drive®, Flank Drive® Plus,
 1/2" Drive..... 206-212, 220-226,
 684, 788
 Flank Drive®, Flank Drive® Plus,
 3/4" Drive..... 237-238, 240-243,
 462, 463, 464
 Flank Drive®, Flank Drive® Plus,
 1" Drive..... 247-250
 Flank Drive®, Flank Drive® Plus,
 1-1/2" Drive..... 152-160, 251-253
 Flank Drive®, Flank Drive® Plus,
 2-1/2" Drive..... 254-255
 Flare Nut..... 163, 450, 621
 Flip, 1/4" Drive..... 119, 659
 Flip, 3/8" Drive..... 459, 734
 Flip, 1/2" Drive..... 665, 666, 667, 668

- Flip, Diesel..... 459
 Flip, Oil Filter..... 459, 734
 Flip, TPMS..... 659
 Fuel Injector..... 456, 457, 458, 621
 Fuel Pressure Sensor..... 620
 Generator Engine..... 474
 Hand..... 461, 463, 467
 Head Bolt..... 461, 462, 463, 745
 High Performance..... 117
 Hold-Down Fasteners..... 456
 Holders..... 85-88, 89, 94, 364, 429
 Hose Clamp..... 471
 Hub Lock Nut..... 671, 684
 ICP Sensor..... 455
 Impact, 1/4" Drive..... 126-127, 136
 Impact, 3/8" Drive..... 174, 175, 176-180
 Impact, 1/2" Drive..... 220-228,
 251-253, 462-465, 679, 745, 788
 Impact, 1/2" Drive,
 Crankshaft Bolt..... 228, 461
 Impact, 3/4" Drive..... 240-243,
 462, 463, 464, 465, 684
 Impact, 1" Drive..... 247-250, 474, 475
 Impact, 1-1/2" Drive..... 251-253
 Impact, 2-1/2" Drive..... 254-255
 Impact, Twist..... 136, 181, 227
 Impact Socket Retainers..... 674
 Inserts, Non-Marring..... 151
 Lock..... 669
 Long..... 114
 Low Profile, 1/4" Drive..... 115-116
 Low Profile, 3/8" Drive..... 179, 184, 687
 Low Profile, 1/2" Drive..... 227
 Lug Nut..... 462, 665, 666, 667, 668, 673
 Lug Nut, Heavy Duty..... 673
 Magnetic, 1/4" Drive..... 128
 Magnetic, 3/8" Drive..... 183
 Magnetic, 1/2" Drive..... 229
 Magnetic, Surface Drive,
 3/8" Drive..... 183
 Metric..... 162, 220-222, 224-226,
 228, 450, 684
 Metric, Flank Drive®,
 Flank Drive® Plus..... 112-118
 Metric Engine Bearing Cap..... 454
 Mirror..... 802
 Motorcycle..... 163, 421, 454, 467, 469
 Nonconductive..... 392
 Oil Filter..... 459, 734
 Oil Pressure Sender Switch..... 744
 Oil Rail..... 746
 Pentagon..... 473
 Pinion Nut..... 220, 224, 684
 Pipe Plugs..... 119, 163-164, 213, 789
 Power, 1/4" Drive..... 128
 Power, 3/8" Drive..... 164, 182
 Power, 1/2" Drive..... 229
 Railroad..... 474-475, 671
 Rear Carrier..... 686
 Retaining Nut..... 665-670
 Sensor, Fuel..... 454
 Sensor, ICP..... 455
 Sensor, Metric Diesel..... 456
 Sensor, Oxygen..... 625-627
 Sensor, PTU..... 625
 Sensor, Temperature..... 626
 Sensor, Water..... 459
 Sets, 1/4" Drive..... 115, 130-133, 141
 Sets, 3/8" Drive..... 184-192
 Sets, Combination..... 109, 169, 170, 171,
 172, 184, 189, 190, 197-198, 200
 Sets, General Service 1/8" Drive..... 129
 Sets, General Service
 1/4" Drive..... 130-133, 142-143
 Sets, General Service
 3/8" Drive..... 184-192, 199-200
 Sets, General Service
 1/2" Drive..... 231-232, 235
 Sets, General Service 3/4" Drive..... 244
 Sets, Hex Bit..... 141, 198, 215, 234-235
 Sets, Impact Drivers..... 174-175, 216, 218
 Sets, Nonconductive/Composite..... 392
 Sets, Spline..... 214
 Sets, TORX®, TORX Plus® Bit..... 141, 197
 Sets, Triple Square Bit..... 172, 197, 216
 Shackle Pin..... 227, 673
 Shallow Impact..... 176, 179, 463, 684
 Shock Absorber..... 680
 Spanner..... 454, 671, 680, 801
 Spark Plug..... 165, 196, 419-422, 467
 Special Purpose/Application,
 1/4" Drive..... 119-120, 127
 Special Purpose/Application,
 3/8" Drive..... 163-164, 169,
 180-181, 454
 Special Purpose/Application,
 1/2" Drive..... 213, 227-228, 454
 Special Purpose/Application,
 3/4" Drive..... 238
 Special Purpose/Application,
 1" Drive..... 250
 Special Purpose/Application,
 Diesel..... 454, 465
 Special Purpose/Application,
 Railroad..... 474-475
 Spindle..... 671-672
 Spline, 1/4" Drive..... 118
 Spline, 3/8" Drive..... 162
 Spline, 1/2" Drive..... 213
 Spline, 3/4" Drive..... 238
 Spline, 1" Drive..... 246
 Strut..... 682
 Stubby Flex Hex Bit Socket ... 123, 170, 171
 Surface Drive, 3/8" Drive..... 183
 Surface Drive, 1/2" Drive..... 230
 Swivel, 1/4" Drive..... 118, 127
 Swivel, 3/8" Drive..... 164, 179-180
 Swivel, 1/2" Drive..... 225-226, 463, 786
 Tap, 1/2" Drive Tools..... 426
 Thermal Vacuum Switch..... 748
 Thin Wall..... 223, 224, 243, 250, 665
 Tie Rod..... 682
 Tire Carrier Assembly..... 674
 TORX®, TORX Plus®, 1/4" Drive..... 117,
 120-122, 137-138, 454, 713
 TORX®, TORX Plus®,
 3/8" Drive..... 160-161, 167-169,
 180-181, 195, 196
 TORX®, TORX Plus®,
 1/2" Drive..... 212, 227, 234
 TORX®, TORX Plus®,
 3/4" Drive..... 239, 243
 TPMS Flip..... 659
 Transmission..... 686, 687
 Transmission Output Shift..... 686
 Turbo Vane..... 447, 457
 Twist, 1/4" Drive..... 136
 Twist, 3/8" Drive..... 181
 Twist, 1/2" Drive..... 227
 Twist, External Drive Hex Head..... 429
 Universal, 1/4" Drive..... 109, 116-117
 Universal, 3/8" Drive..... 151, 159-160,
 161, 165, 180, 188-190, 192
 Universal, 1/2" Drive..... 212
 Valve Cover Bolt..... 81, 745
 Water Pump..... 746
 Wheel..... 669
 Wing Nut..... 180
 Wrench, Aviation..... 471
 Sockets, Oxygen Sensor..... 625-627
 Soda Blasting Media
 Abrasives..... 808
 Soft Face Hammers..... 400-401
 Soft Grip
 Axiis, Hooks and Picks..... 370-371
 Nut Drivers..... 359
 Punches/Chisels..... 394
 Ratchets..... 104
 Replacement Handles..... 412
 Screwdrivers..... 347, 355, 356
 Terminal Tools..... 611
 Wrench Racks..... 90
 Wrenches..... 298-299, 307
 Soft Handle
 Hex Tip Screwdrivers..... 345, 346,
 348, 349
 Soft Steel Hammers..... 402
 Softjaw Wrenches..... 287
 Software
 Diagnostic Equipment Upgrades..... 871
 Heavy Duty Truck
 Diagnostic..... 876, 877, 878
 TPMS..... 659
 Soldering..... 640-644
 Accessories..... 640, 643-644
 Guns..... 641
 Tools..... 641, 644
 SOLUS™ Edge Scan Tool..... 846
 SOLUS™ Edge Scan Tool, Accessories..... 857
 SOLUS Legend® Scan Tool..... 846
 SOLUS Legend® Scan Tool,
 Accessories..... 853
 SOLUS™ Series Diagnostic
 Software..... 846, 871
 SOLUS Ultra® Scan Tool,
 Accessories..... 852, 867
 Sound Systems, Speakers..... 575
 Spanner
 Sockets..... 454, 671, 680, 801
 Wrenches..... 308, 711
 Spark Plug
 Boot Pliers..... 418
 Boot Remover..... 419
 Extractors..... 418
 File..... 419

- Firing Indicator..... 419
 Flank Drive[®] Sockets 165, 420–422
 Flexible Extensions 420
 Gap Gauges 772
 Hole Rethreaders 418
 Hole Tap 426
 Repair Kits 418
 Sockets 165, 196, 419–422, 467
 Sockets, Magnetic 420
 Sockets, Motorcycle 467
 Sockets, Universal 420
 Testers/Test Equipment 419
 Spark Test Screwdrivers 345
 Speakers 515
 Special Purpose/Application/Specialty
 Aviation/Aircraft 166, 470–473
 Bit Sockets 173, 217
 Circuit Testers 594
 Creepers 762, 765
 Cutters 406, 407, 408
 Drill Bits 560–562
 Engine Tools 751
 Exhaust Tools 415–416
 Feeler Gauges 772
 Fuel Injection 620
 Knives 404, 406, 407, 408
 Lights 729
 Meters 607
 Motorcycle Tools 467
 Pliers 380
 Pullers 446
 Ratchets 106, 148
 Rethreading Tools 425
 Screwdrivers 351–354
 Socket Drivers 169
 Sockets, 1/4" Drive 119–120, 127
 Sockets, 3/8" Drive 163–164, 169,
 180–181, 454
 Sockets,
 1/2" Drive 213, 227–228, 454
 Sockets, 3/4" Drive 238
 Sockets, 1" Drive 250
 Sockets, Axle Nut 672
 Sockets, Ball Joint 679
 Sockets, Diesel 454, 465
 Sockets, Diesel Injector 454
 Sockets, Fuel Pressure Sensor 620
 Sockets, Heavy Duty Truck 461–465
 Sockets, Railroad 476–475
 Sockets, Spark Plug 421
 Wrenches, Box 283–284
 Wrenches, Chain 308
 Wrenches, L-Shape TORX[®],
 TORX Plus[®] 299
 Wrenches, Spanner 308, 711
 Wrenches, Strap 308
 Wrenches, Valve Persuader 307, 473
 Speeders
 1/4" Drive 108
 3/8" Drive 149
 1/2" Drive 203
 Aviation 472
 Flex Head 145, 146
 Locking 203
 Spicer[®]
 Clutch Adjusting Tools 788
 Impact Sockets 745
 Spindle
 Rethreaders 425
 Sockets 671–672
 Spinner Ratchets 106, 148, 192, 203
 Spline
 #5 Drive 251
 Box Wrenches 257, 259, 266, 283
 Combination Spline
 Socket Set 118, 162
 Combination Wrenches 257, 259, 279
 Oxygen Sensor, Wrenches 627
 Ratcheting Box
 Wrenches 257, 259, 266, 283
 Sockets, 1/4" Drive 118
 Sockets, 3/8" Drive 162
 Sockets, 1/2" Drive 213
 Sockets, 3/4" Drive 238
 Sockets, 1" Drive 246
 Torque Adaptors 118, 166, 214
 Torque Adaptors,
 Aviation/Aircraft 166, 214, 471, 473
 Wrenches 257, 259, 266, 283, 627
 Spool Guns 631
 Spoons 794
 Spot Welding 634, 652
 Air Hammer Bits 567–569
 Cutters 652, 802
 Drill Bits 534
 Drills 534
 Spouts, Oil 737
 Spray Guns and Accessories 803–805
 Spring Compressors
 MacPherson 682
 Valve 754
 Spring Punches 398
 Spring Tools 354, 754, 783, 788, 802
 Spud Ratchets 202
 Square Drive
 Adaptors, 1/4" Drive 109, 135, 195
 Adaptors, 3/8" Drive 151, 195
 Adaptors, 1/2" Drive 205
 Adaptors, 3/4" Drive 237, 239
 Adaptors, 1" Drive 246
 Adaptors, Spline Drive 251
 Handled Drivers, 1/4" Drive 107
 Torque Wrench Heads 324
 Squares 774
 Stainless Steel Work Surfaces 72
 Stands
 Bumper Cover Paint 801
 Fuel Tank 693
 Jack 692
 Utility 692
 Wrenches 300
 Starter Bolt Wrenches 452
 Starter Punches 394
 Starters
 Engine 695, 699–700
 Remote Control 700
 Screw 358, 391
 Stationary Storage 66–71
 Steel
 Drawer Dividers 53
 Rules and Straight Edges 774
 Rules and Straight Edges, Precision 774
 Stainless, Work Surfaces 72
 Stamping, Sets 396
 Work Surfaces 72, 73
 Steering Wheel
 Lock Plate Depressors 444
 Pivot Pin Pullers 444
 Pullers 441, 444
 Step
 Cone Kit 655
 Drill Bits 562
 Step Stools 98
 Stethoscopes
 Electronic 605
 Mechanic's 605
 Stoppers, Fuel Line Sets 621
 Storage, Tool
 Classic Series 32–40
 EPIQ[™] Series 8–22
 Heritage Series 41–47
 Masters Series 23–31
 Accessories 55, 62–65, 72–100
 Accessories,
 Classic Series 77, 78, 79, 80, 81
 Accessories,
 EPIQ[™] Series 75, 78, 79, 80, 81
 Accessories,
 Heritage Series 74, 77, 78, 79
 Accessories,
 Masters Series 78, 79, 80, 81, 98
 All Weather, Tool Chests 55
 Aviation "Dog Boxes" 56
 Bags, Soft Sided 55, 65, 576
 Boxes, Small 56, 64
 Cabinets, Flammables 805
 Carts 57–61
 Case, Parts 63
 Casters 81
 Cleaning Supplies 98
 Combination Units 8–100
 Control Kits 89
 Covers 54, 75–77
 Customization 83
 Diagnostic Equipment 869, 870
 Drawer Organization 53, 83–84, 89, 95
 Drawer Sections, EPIQ[™] Series 18–19
 Drawer Sections, Heritage Series 46
 End Cabinets, Classic Series 40
 End Cabinets, EPIQ[™] Series 22
 End Cabinets, Heritage Series 47, 49
 End Cabinets, Masters Series 28–31
 Hand Tool Organization 78, 84–91
 Lights 81, 82
 Lockers, Classic Series 39
 Lockers, EPIQ[™] Series 21
 Lockers, Heritage Series 47
 Lockers, Masters Series 31, 96
 Locks 97, 99
 Magnetic Tool Storage 88–90,
 91–95, 100
 Maintenance 99
 Mats 72, 73, 74, 96, 98

- Metal Boxes 64
 Mobile Solutions 48-53
 Optional Add-ons, Classic Series 32, 33
 Optional Add-ons,
 EPIQ™ Series 9, 10, 11, 12, 21, 22
 Optional Add-ons,
 Heritage Series 41, 42, 47
 Optional Add-ons,
 Masters Series 23, 24
 Overhead Cabinets, EPIQ™ Series 20
 Paint, Touch-up 99
 Parts Trays 62, 80, 83, 85, 87, 88,
 89, 90, 91, 92
 Plastic Boxes 62
 Road Chests 54
 Roll Cabinets, Classic Series 32-36
 Roll Cabinets, EPIQ™ Series 14-17
 Roll Cabinets, Handle Bars 56, 83
 Roll Cabinets, Heritage Series 41-44
 Roll Cabinets, Masters Series 23-26
 Roll Cabinets, Side Panels 78
 Roll Cabinets, Top Mats 72, 73, 74
 Roll Carts 48, 50-53, 57-61
 Stationary 66-71
 Tool Silhouettes 95
 Top Chests, Classic Series 37
 Top Chests, EPIQ™ Series 18-19
 Top Chests, Heritage Series 44-46
 Top Chests, Masters Series 27
 Wall Cabinets 63
 Workcenter Accessories 79,
 80, 81, 82, 85
 Workcenters, EPIQ™ Series 48
 Workcenters, Masters Series 27
 Workstation Risers, Classic Series 38
 Stork Bent Pliers 381
 Straight Edges and Steel Rules 774
 Precision 774
 Strap Wrenches 308
 Stretch Belt Tools 748
 Striking
 Prybars 373, 374
 Scrapers 413
 Strippers
 Wire 386, 388
 Strut Sockets 682
 Struts 682
 Stubby Bit Sockets
 Hex 138, 139, 140, 170, 171
 TORX®, TORX Plus® 120, 137, 168
 Triple Square 217
 Stud
 Gun Dent Pullers 651
 Removers 430-434, 674
 Stud Removers
 Extractors 430-434, 674
 Subaru® Service Tools
 Oil Filter Wrenches 736
 Sockets 161
 Suction Cups, Body 800
 Suction Guns, Oil 739
 Surface Drive Sockets
 3/8" Drive 183
 1/2" Drive 230
 Suspension Strut, Tools 682
 Swiss Needle Files 411
 Switch Tools, Multi-Function 609
 Swivel
 Ball Extension Sockets 119, 164, 219
 Connectors, Air 574
 Extensions, Impact 3/8" Drive 175
 Extensions,
 Impact 1/2" Drive 219, 225, 226
 Head Ratchets 105, 146, 147
 Socket Extensions 119, 164, 219
 Sockets, 1/4" Drive 118, 127
 Sockets, 3/8" Drive 164, 179-180
 Sockets, 1/2" Drive 225-226, 463, 786
 Universal Joints 125, 180, 219, 233,
 239, 247, 251
 Wrenches 735

T
 T-Handle, T-Shape
 Brake Spring Tools 783
 Nut Drivers 359
 Screwdrivers 356
 Sliding, 1/4" Drive 108
 Sliding, 3/8" Drive 149
 Sliding, 1/2" Drive 204
 Sliding, 3/4" Drive 236
 Sliding, 1" Drive 245
 Sliding, 1-1/2" Drive 250
 Speed Drivers, 1/4" Drive 135, 193
 Speed Drivers, 3/8" Drive 193
 Speed Drivers, 1/2" Drive 233
 Wrenches, Hex 298, 300
 Wrenches, Ratcheting Box 267
 Wrenches, Torque 320
 T-Shape/L-Shape Wrenches 298-300
 Tables, Transmission 739
 Tachometers 607
 Taillight, Socket Brushes 597
 Tailpipe Tools 415
 Talon Grip™ Pliers 380, 381
 Tamper Resistant
 Bit Sockets 122, 137-138, 140,
 167, 168, 234
 Screwdriver Bits 365
 Screwdrivers 350
 Wrenches 283, 299, 301, 304
 Tap
 Sockets 426
 Wrenches 426
 Tape Rules 775
 Tapered Punches 397
 Tapped Hole Bearing Pullers 443, 446
 Taps and Dies
 Die Sockets 426
 Left-Hand 428
 Retreading 423-424, 425, 453
 Threading 423-426
 TechAngle® Torque
 Wrenches 309-310, 321
 Techwrench® Torque Wrenches 312
 Telescoping
 Gauge Sets 767
 Mirrors 778
 Pick-up Tools 777
 Temperature
 Adaptors 583-584
 Probes 583-584
 Sensor Sockets 626
 Terminal
 Brushes 701
 Cleaners 701
 Crimpers 386, 387, 701
 Tools 609-611
 Tools, Battery 701
 Test Leads
 Diagnostic 867
 Multimeters 584-587
 Testers/Test Equipment 580-608, 612
 Battery Systems 697-698
 Borescopes 603
 Carburetor Adjustment Tools 628
 Circuit 586, 588, 589-597
 Coil-on-Plug Probes 607, 854
 Compression Gauges 613-616
 Continuity 596
 Cooling 715-719
 Cylinder Leakage Testers 617
 Diesel Fuel Pressure 619
 Distributor Tools 629
 EVAP 598, 599
 Force Testing 338
 Fuel Injection 618-620
 Fuel Systems 619, 620-624
 Fuse 595
 Gas Analyzers 602
 Gauges, Micrometer 767
 Ignition 629
 Infrared Thermometers 606
 Injection Harness 622
 Jump Leads 588
 Leads 584-587, 588, 867
 Leads, Diagnostic 867
 Leads, Multimeters 584-587
 Leak Detectors 598-601
 Multimeters 580-581, 593
 Multimeters, Accessories 582-584
 Pressure Gauges 612, 617, 620
 Relay 595, 596
 Spark Plugs 419
 Stethoscopes 605
 Tachometers 607
 Timing Lights 608
 Torque 332-333, 335-339
 TPMS 322, 658-660
 Trailer Harness 597
 Videoscopes 603-604
 Testing/Electronics 580-629
 Thermal Imagers 848-849
 Thermal Vacuum Switch Sockets 748
 Thermometers
 Cordless 513
 Hydrometers 702
 Infrared 513, 606
 Pocket A/C 712
 Thin Wall Impact Sockets
 1/2" Drive 223, 224
 3/4" Drive 243
 1" Drive 250

- Thread
Chasers 424
Files 424
Gauges 426
Pitch Gauges 424, 426
Restoring 424-425
Setter Kits 795
Thread Measuring 426
Threading Tools 423-426
Throttle Depressors/
Brake Resetting 788
ThunderBit® Bits 554-555
Tie Rod
Adjusting Tools 681
Separators 678, 681
Sockets 682
TIG Welders 635-636
Timing
Bolt 742-743, 751
Gauges 769
Gauges, Diesel 448
Lights 469, 608
Tin Snips 794
Tire
Air Chucks 662-663
Balancer, Plates 655
Bead Breakers 657
Buffers 549
Carrier Assembly Sockets 674
Changers 656-657
Changers, Accessories 657
Chucks 662-663
Cotter Pin Pullers 675
Deflators 665
Depth Gauges 663
General Service Tools 680
Hammers, Mallet 676
Inflators 661
Pressure Gauges 660, 661, 662
Pressure Gauges, Digital 661
Pressure Systems
and Tools 658-660
TPMS Tools 322, 658-662
Tread Depth Gauges 663
Valve and Stem Tools 367, 664
Valve Core Tools 713
Tool Control
Boards 439, 440
Kits 89
Silhouettes, Magnetic 95
Tool Storage
Classic Series 32-40
EPIQ™ Series 8-22
Heritage Series 41-47
Masters Series 23-31
Accessories
Classic Series 77, 78, 79, 80, 81
Accessories,
EPIQ™ Series 75, 78, 79, 80, 81
Accessories,
Heritage Series 74, 77, 78, 79
Accessories,
Masters Series 78, 79, 80, 81, 98
All Weather Tool Chests 55
Aviation "Dog Boxes" 56
Bags, Soft Sided 55, 65, 576
Boxes, Small 56, 64
Cabinets, Wall 63
Carts 48, 50-53, 57-61
Casters 81
Cleaning Supplies 98
Combination Units 8-100
Control Kits 89
Covers 54, 75-77
Customization 83-97
Diagnostic Equipment 869, 870
Drawer Organization 53, 83-84, 89, 95
Drawer Sections, EPIQ™ Series 18-19
Drawer Sections, Heritage Series 46
End Cabinets, Classic Series 40
End Cabinets, EPIQ™ Series 22
End Cabinets, Heritage Series 47, 49
End Cabinets, Masters Series 28-31
Hand Tool Organization 78, 84-91
Lights 81, 82, 731
Lockers, Classic Series 39
Lockers, EPIQ™ Series 21
Lockers, Heritage Series 47
Lockers, Masters Series 31, 96
Locks 97, 99
Magnetic Tool Storage 88-90,
91-95, 100
Maintenance 99
Mats 72, 73, 74, 96, 98
Metal Boxes 64
Mobile Solutions 48-53
Optional Add-ons, Classic Series 32, 33
Optional Add-ons,
EPIQ™ Series 9, 10, 11, 12, 21, 22
Optional Add-ons,
Heritage Series 41, 42, 47
Optional Add-ons,
Masters Series 23, 24
Overhead Cabinets, EPIQ™ Series 20
Paint, Touch-up 99
Parts Cases 63
Parts Trays 62, 80, 83, 85, 87, 88,
89, 90, 91, 92
Plastic Boxes 62
Road Chests 54
Roll Cabinets, Classic Series 32-36
Roll Cabinets, EPIQ™ Series 14-17
Roll Cabinets, Handle Bars 56, 83
Roll Cabinets, Heritage Series 41-44
Roll Cabinets, Masters Series 23-26
Roll Cabinets, Side Panels 78
Roll Cabinets, Top Mats 72, 73, 74
Roll Carts 48, 50-53, 57-61
Stationary 66-71
Tool Silhouettes 95
Top Chests, Classic Series 37
Top Chests, EPIQ™ Series 18-19
Top Chests, Heritage Series 44-46
Top Chests, Masters Series 27
Work Surfaces 72-74
Workcenter Accessories 79, 80,
81, 82, 85
Workcenters, EPIQ™ Series 48
Workcenters, Masters Series 27
Workstation Risers, Classic Series 38
Top Chests
Classic Series 37
EPIQ™ Series 18-19
Heritage Series 44-46
Masters Series 27
Torches
Butane Soldering 640, 642
MIG 630-632, 634
Welding 631, 632, 633, 634,
635, 636, 639
TORQUEMETER®
Drivers 320-321
Wrenches 316-321
Torque 309-341
Acquisition Meters 334
Adaptors 118, 120, 165-166,
213-214, 448, 466, 471, 473
Adjustable Bodies 323
Angle Gauges 321
Calibrators 316-319, 335-339
Click-Type Adjustable 313-315,
325-326, 669
Comparators 339-340
Drivers 320-321
Electronic Calibrators 316-319,
335-339
Electronic Testers 332-333, 335-339
Filters/Regulators/Lubricator 341
Heavy Duty Wrenches 466, 471,
496, 497, 498, 747
Joint Rate Simulator Adaptors 339
Multipliers 332
Newton Meter Wrenches 314, 315, 318
Screwdrivers 321-322
Testers 332-333, 335-339
TORQUEMETER® 316-321
Versatest™ 335
Versatorq® 334
Weights and Trays 339
Wrench Heads, Square Drive 324
Wrenches 309-321
Wrenches, Controltech™ 311
Wrenches,
Electronic 309-312, 332-339
Wrenches, Insert Heads 326
Wrenches, Pneumatic 340
Wrenches, TechAngle® 309-310, 321
Wrenches, Techwrench® 312
TORX®, TORX Plus®
Bit Sockets, 1/4" Drive 120-122, 137-138
Bit Sockets,
3/8" Drive 167-169, 195-196
Bit Sockets, 1/2" Drive 214, 230
Bit Sockets, 3/4" Drive 239
Bits, Screwdriver 353, 357, 361, 365,
367, 368, 369
Impact Sockets, 3/8" Drive 180-181
Impact Sockets, 1/2" Drive 227
Impact Sockets, 3/4" Drive 243, 463
Mini-Tip Screwdrivers 349
Screwdrivers 349-351, 357, 369
Sockets, 1/4" Drive 117, 120-122,
137-138, 454, 713

- Sockets, 3/8" Drive..... 160-161,
167-169, 180-181, 195, 196
- Sockets, 1/2" Drive..... 212, 227, 234
- Sockets, 3/4" Drive..... 239, 243
- Tamper Proof/Resistant,
L-Shape Wrench..... 122, 299, 304
- Tamper Resistant Bit Sockets..... 122,
137-138, 167, 168, 196, 234
- Tamper Resistant Bits..... 365
- Tamper Resistant Screwdrivers..... 350
- Universal, 1/4" Drive..... 117
- Universal, 3/8" Drive..... 161
- Wrenches, Box..... 283
- Wrenches, Folding Sets..... 301
- Wrenches, T-Shape..... 299, 300
- Tote**
- Bags..... 55, 65, 576, 870
- Trays..... 63
- Touch-up Paint**..... 99
- Towels, Shop**..... 835
- Towing Maintenance Kits**..... 597
- Toyota®/Lexus®/Mazda® Service Tools**
- Axle Nut Sockets..... 672
- Brake Tools..... 783, 785, 786
- Differential Service Tools..... 684
- Engine Service Tools..... 742, 745,
746, 747, 749
- Front Wheel Drive Tools..... 684
- Hand Sockets..... 461
- Impact Sockets..... 220
- Oil Filter Wrenches..... 736
- Oxygen Sensor Tools..... 627
- Radiator Tools..... 720, 721
- Scan Tools and Accessories..... 850-852,
854, 856-864, 867-868
- Socket Drivers..... 168, 173, 215
- Sockets..... 161, 164, 220
- Tire Carrier Assembly Sockets..... 674
- Valve Service Tools..... 754
- Wheel Lug/Retaining Nut Sockets..... 666
- TPMS Tools**..... 322, 658-660
- Trailer Harness Testers and
Adaptors**..... 597
- Transducers**
- Diagnostic..... 333, 338, 865
- Torque..... 333, 338
- Transfer Punches**..... 396
- Transmission**
- Angle Locators..... 770
- Bushing/Oil Seal Pullers and
Drivers..... 687
- Drain Plug Sockets..... 469, 687
- Fillers..... 737
- Gauges..... 612, 617, 687
- Jacks..... 691, 693
- Oil Cooler Line
Disconnect Tools..... 623, 686
- Pump Pullers..... 688
- Seal Removal Tools..... 371, 468
- Sealing Caps..... 686
- Service Tools..... 686-688
- Snap Ring Pliers..... 688
- Sockets..... 469, 686, 687
- Tables..... 739
- Wrenches..... 686
- Trays**
- Parts..... 62, 80, 83, 92
- Service, Underhood..... 62
- Tool Storage, Magnetic..... 92
- Tool Storage, Sliding..... 80
- Tool Storage, Socket Drivers..... 87
- Tool Storage, Sockets..... 84-85, 88, 89
- Torque..... 339
- Tote..... 63
- Weight Hangers..... 339
- Tread Depth Gauges**..... 663
- Trim Tools**..... 798
- Triple Square**
- 1/4" Socket Driver..... 139
- 3/8" Socket Driver..... 122, 123, 172, 197
- 1/2" Socket Driver..... 216-217
- Bit Socket Sets..... 172, 197, 216
- Bit Sockets..... 139, 172, 197, 216-217
- Stubby Bit Sockets..... 217
- Triton-DB® Scan Tool,
Accessories**..... 856, 864
- Triton-D10® Scan Tool**..... 843
- Triton-D10® Scan Tool,
Accessories**..... 851
- Truck**
- Axle Nut Sockets..... 671
- Brake Tools..... 784, 785, 788, 790
- Coolant Refillers..... 714
- Cooling System Adaptor Sets..... 716
- Diagnostic Software..... 871
- Differential Service Tools..... 684
- Differential Side Bearing
Pullers..... 441, 442
- Front Wheel Drive Tools..... 684
- Heavy Duty Service Tools..... 461-466,
673, 682, 790
- Impact Sockets..... 227
- Service Trays..... 62
- Socket Drivers..... 169
- Sockets..... 161, 227, 671, 673
- Tire Inflators..... 661
- Transmission Service Tools..... 686, 687
- Valve Diesel Tools..... 447
- Wheel Lug/Retaining Nut Sockets..... 673
- Wheel Pans..... 675
- Tube**
- Benders..... 417
- Cutters..... 416
- Flaring..... 416, 417
- Turning Tools, Diesel**..... 450
- Tweezers, Soldering**..... 643
- Twist Sockets**
- 1/4" Drive..... 136
- 3/8" Drive..... 181
- 1/2" Drive..... 227
- External Drive Hex Head..... 429
- U**
- U-Clamps**..... 649
- Ultraviolet Leak Detectors**..... 514, 599-601,
706-707
- Undercar**..... 653-693
- Air Chucks..... 662-663
- Axle/Hub Pullers..... 683
- Axle Nut Sockets..... 227, 670-671,
672, 684
- Budd Wheel Tools**..... 673-674
- Caster-Camber Tools**..... 681
- Clutch Service Tools**..... 689
- Creepers**..... 762-763
- Differential Service Tools**..... 684
- Drive Shaft Tools**..... 689
- Front Wheel Drive Tools**..... 684-685
- Impact Socket Retainers**..... 674
- Lifting**..... 690-693
- Shackle Pin Sockets**..... 227, 673
- Spanner Sockets**..... 671
- Spindle Sockets**..... 671-672
- Strut Tools**..... 682
- Tire and Wheel General
Service Tools**..... 674-676, 680
- Tire Changers**..... 656-657
- Tire Deflators**..... 665
- Tire Pressure Systems and
Tools**..... 322, 658-662
- Transmission
Service Tools**..... 686-688
- Tread Depth Gauges**..... 663
- Valve and Stem Tools**..... 664
- Wheel Alignment Tools**..... 677-682
- Wheel Balancing**..... 653-655
- Wheel Lug/Retaining
Nut Sockets**..... 665-670, 673
- Wheel Torque Tools**..... 664
- Underhood**
- Lights..... 514, 728
- Service Trays..... 62
- Universal**
- Bit Sockets..... 123
- Joint, Extensions..... 125, 219
- Joint Sets..... 206, 219
- Joint Tools..... 689
- Joints, 1/4" Drive..... 109, 116, 117, 125, 135
- Joints, 3/8" Drive..... 151, 180, 182, 194
- Joints, 1/2" Drive..... 206, 219, 233
- Joints, 3/4" Drive..... 236, 239
- Joints, 1" Drive..... 247
- Joints, 1-1/2" Drive..... 251
- Joints, Swivel..... 125, 180, 219, 233,
239, 247, 251
- Sockets, 1/4" Drive..... 109, 116-117
- Sockets, 3/8" Drive..... 151, 159-160,
161, 165, 180, 188-190, 192
- Sockets, 1/2" Drive..... 212
- Sockets, Spark Plug..... 420
- Upholstery and Trim Tools**..... 798
- US(1-G) Set Building**..... 476-490
- USB Power Units**..... 517
- Utility**
- Knives..... 408-409
- Lights..... 514
- Stands..... 692
- V**
- Vacuums**
- Cooling System Fillers..... 714, 715
- Cordless..... 516
- Handheld..... 823

- Portable Spotter.....824
 Pressure Gauges.....612, 617
 Pumps.....601, 704, 709, 779
 Sandblasters.....807
 Switch Sockets, Thermal.....748
 Wet/Dry.....824
Valve
 Adjuster Sockets.....466
 Adjusting Tools.....449, 466, 752
 Air Processing.....814
 Brushes.....752
 Core Tools, A/C.....710, 713
 Cover Adaptors.....737
 Cover Bolt Sockets.....81, 745
 Cylinder Head.....745, 754
 Diesel Tools.....447
 Grease Control.....738
 Guide Service Tools.....752
 Holders.....753
 Keeper Tools.....753
 Lifters.....753
 Persuaders.....307, 473
 Removers.....752, 753
 Service Tools.....752-754
 Spring Compressors/Depressors.....754
 Stem Seal Pliers.....418, 753
 Tire Valve Bits.....367, 659
 Tire Valve Core Torque.....659
 Valve Persuader Wrench.....307, 473
Valves
 A/C.....710
 Air.....575, 814
 Can Tappers.....711
 Core.....710
 Tire and Stem.....659
VANTAGE® Legend Scan Tool.....847
VANTAGE® Legend Scan Tool,
 Accessories.....854, 858
VANTAGE® Series
 Diagnostic Software.....847, 871
VANTAGE® Ultra Scan Tool,
 Accessories.....858
VANTAGE® Ultra Test System,
 Accessories.....858
VERDICT® Scan Tool, Accessories.....861
VersaTest™.....335
VersaTorq®.....334
VERUS® Edge Scan Tool, Accessories.....862
VERUS® PRO Scan Tool, Accessories.....863
VERUS® Series Diagnostic Software.....871
Videoscopes.....603-604
Vinyl Covers
 Air Tool, Boots.....551
 Diagnostic Workcenter.....870
 Equipment, A/C Recycling,
 Recharging.....704
 Equipment, Battery Chargers.....694
 Equipment, Smoke Machines.....598
 Fender.....761
 Motorcycle Gas Tank.....467, 761
 Tool Storage, Combinations.....75-77
 Tool Storage, Road Chests.....54
 Tool Storage, Roll Carts.....76
Vinyl Grip,
 Pliers/Cutters.....381, 388, 389, 795
Vises
 Bench.....813
 Forged.....813
 High Visibility.....813
 Jaw Caps.....814
 Machinist's.....813
 Mechanic's.....813
 Utility.....813
Volkswagen®/Audi®/Porsche®
 Service Tools
 Antenna/Mirror Tools.....802
 Axle Nut Sockets.....672
 Bit Sockets.....122, 172, 216, 217
 Brake Tools.....781, 785, 786,
 787, 789, 790
 Cam Belt Wrenches.....751
 Carburetor Tools.....628
 Compression Adaptors.....616
 Compression Gauges.....615
 Door Hinge Tools.....799
 Filter Sockets.....459
 Fuel Injection Adaptors.....618
 Fuel Sensor Wrenches.....624
 Harmonic Balancer Tools.....749
 Hose Clamp Pliers.....721
 Impact Sockets.....220, 228
 Injector Pullers.....460
 Oil Filler Cap Tools.....741
 Oil Filter Sockets.....734, 736
 Personality Keys.....869
 Radiator Tools.....716, 717, 718, 719,
 720, 721, 741
 Scan Tools and Accessories.....850, 857,
 860, 863, 867
 Socket Drivers.....168, 216
 Sockets, Fuel Filter.....459
 Sockets, Injector.....458
 Terminal Tools.....611
 Timing Belt Pulley Holders.....751
 Tire/Wheel Tools.....670, 680
 Transmission Service Tools.....686, 687
 Valve Adjustment Tools.....754
 Valve Service Tools.....753
Voltage
 Adaptors.....583
 Sensors.....597
Volvo® Service Tools
 Belt Tensioning Tools.....748
 Brake Tools.....787
 Carburetor Tools.....628
 Compression Gauge Adaptors.....616
 Extension Sockets.....164
 Filter Sockets.....459, 734
 Glow Plug Adaptors.....616
 Hose Clamp Pliers.....721
 Impact Sockets.....463
 Oil Filter Wrenches.....736
 Radiator Tools.....716, 717, 718, 720, 721
 Scan Tools and Accessories.....851-852,
 854, 856, 858, 859,
 860-864, 867, 869
 Sockets, Fuel Filter.....459
 Spring Shackles Pin Sockets.....673
 Strut Sockets.....682
 Terminal Tools.....611
 Valve Cover Adaptors.....616
 Valve Service Tools.....754
 Wrenches.....299
W
Wall Cabinets.....63
Waste Oil Drains.....739
Water Pump Sockets.....746
Water Spray Nozzles.....573, 821
WaveForm Demonstration Tool.....866
Weatherhead Sockets.....163, 213
Weight
 Hangers/Trays.....339
 Sets.....339
Welding.....630-652
 Accessories.....631, 633-635, 647
 Apparel.....637
 Auto Body Sets.....648
 Carts.....53, 639, 644, 651
 Clamps.....648-649
 Dent Pullers.....649-652, 791
 Gas Welding.....631, 632, 639
 Gas Welding Kits.....639
 Gloves/Sleeves.....637
 Hammers.....647
 Helmets.....645-647, 826
 Jacket.....637
 Lenses.....637, 647
 MIG.....630-632, 634
 MIG, Accessories.....633-635
 MIG Welder Consumables.....633
 Plasma Cutters and
 Consumables.....638-639
 Soldering.....640-644
 Spot.....634, 652
 Storage.....644
 Stud Gun Dent Pullers.....651
 TIG Welders and Accessories.....635-636
 Torches.....631, 632, 633, 634,
 635, 636, 639
 Torches, Flexible Neck.....631
 Workstations.....53, 639, 644
Wet/Dry Vacuums.....824
Wheel.....653-655
 Alignment Tools.....677-682
 Alignment Wrenches.....680
 Axle Nut Sockets.....227, 670-671,
 672, 684
 Axle Pullers.....489, 683
 Axle Spinners.....676
 Balancers.....653, 654
 Balancers, Accessories.....654-655
 Bead Breakers.....657
 Budd Wheel Tools.....673-674
 Calibration.....338
 Chocks.....675
 Cotter Pin Pullers.....675
 Dollies.....738
 General Service Tools.....680
 Grease and Dust Cap Tools.....675, 680
 Hammers, Mallet.....676
 Hangers.....670
 Hub, Clamp Expanders.....679

- Hub, Lock Tools..... 672
 Hub, Pullers 683
 Hub, Removal 683
 Pans 675
 Rim Tools 675
 Seal Pullers..... 676
 Sockets, Flip 659, 665, 666, 667
 Sockets, Lock 669
 Sockets, Lug Nut 665, 666, 667, 668, 669, 673
 Sockets, Shackie Pin 227, 673
 Sockets, Spanner 671
 Sockets, Spindle 671-672
 Sockets, Tire Carrier Assembly 674
 Stud Removers and Installers 669, 674
 Torque Tools 341, 664
 Truck Wheel Pans 675
 Weight Hammers 654
 Weight Pliers 654
- Wheels**
 Abrasive 576
 Cutter, Power Tool Accessories 566
 Flap 565
 Grinding 566
 Wire 550, 811
- Window/Windshield**
 Holders 802
 Removal Tools 800-801
 Sash Tools 801
 Scrapers 802
 Wiper Removers 801
- Wing Nut Sockets** 180
- Wire**
 Brushes 565, 701, 812
 Crimpers 386, 387, 388
 Cutters 388, 470
 Feed Welders 630-632
 Gauge Drill Bits 558
 Insertion Tools 604, 609
 Safety 470
 Strippers 386, 388
 Terminal Kits 609
 Terminal Tools 386, 609, 610, 701
 Twisters, Cutters 470
 Wheels 550, 811
- Wireless Modular**
 Diagnostic Equipment 844, 863
- Wobble**
 Extensions, 1/4" Drive 108, 109
 Extensions, 3/8" Drive 150
 Extensions, 1/2" Drive 204-205
 Screwdriver Bits 365
- Work Surfaces**
 Tool Storage 72-74
 Bed Liner 73
 Hardwood, Tool 20, 23, 24, 74
 Mats 72, 73, 74
 Rubber, Tool 51, 58, 67, 68, 69
 Stainless Steel 72
- Workbenches** 74, 814
- Workcenters**
 Accessories 79, 80, 81, 82, 825
 Classic Series 32-40
 EPIQ™ Series 8-22, 48
 Masters Series 27
- Workstations**
 Accessories 75-82
 Mobile, EPIQ™ Series 48
 Risers, Classic Series 38
 Welding 53, 639, 644
- Wrecking Bars** 376
- Wrenches** 256-308
 Adaptors, Ratcheting 266
 Adjustable 305-307, 313-315
 Adjustable, Crowfoot 293
 Adjustable, Spanner 308, 684
 Adjustable, Strap 308
 Adjustable, Torque 313-315, 323, 325-326, 669
 Adjustable, Valve Persuader 307, 473
 Air Compressor 449
 Aluminum 287, 307
 Angle Head 286
 Antenna 802
 Aviation, Socket 471
 Ball Hex 298, 301, 302
 Battery Terminals 701
 Belt Tensioning 455, 747, 748
 Bleeder 789
 Blue-Point®, Box, Locking Flex Head Ratcheting 269
 Blue-Point®, Box, Reversible Ratcheting, Offset 268
 Blue-Point®, Flex Head, Reversible Ratcheting Combination Offset 265-266
 Blue-Point®, Organizers 91
 Blue-Point®, Reversible Ratcheting Combination Offset 263-266
 Box, Combination 256-261, 262-263, 270-279
 Box, High Performance 262
 Box, Nonconductive Ratcheting 393
 Box, Offset, Spline 283
 Box, Ratcheting 267
 Box, Ratcheting A/C Service 713
 Box, Ratcheting Battery Terminal 701
 Box, Ratcheting Combination 256-261, 262-266
 Box, Ratcheting Crowfoot 292
 Box, Ratcheting Flex Head 269
 Box, Ratcheting High Performance 262
 Box, Ratcheting Spline 257, 259, 266, 283
 Box, Ratcheting T-Handle 267
 Box, Special Purpose/ Application 283-284
 Box, Striking 294-296
 Box, Torque Interchangeable Heads 311, 312, 325, 326, 329-330
 Box, Tubular 296
 Cam Belt 751
 Carburetor 628
 Caster/Camber 681
 Chain/Strap 308
 Combination, Flare Nut 288
 Combination, Flex-Combination 265-266
 Combination, Open End 256-261, 263-266, 270-279, 288
 Combination, Ratcheting Box 256-261, 262-266
 Combination, Spline 257, 259, 279
 Combination, T-Shape, L-Shape 298-299
 Crowfoot 289-294, 744
 Crowfoot, 1/4" Drive 289
 Crowfoot, 3/8" Drive 289-292, 453
 Crowfoot, 1/2" Drive 293-294
 Crowfoot, Oil Pressure Sender Switch 744
 Crowfoot, Open End 289, 290-291, 293
 Diesel 449, 451, 452, 457
 Differential 684
 Distributor 629
 Double End 284-286
 End Cap 736
 Extension 307
 Fan Clutch 452, 719
 Fan Clutch, Cooling 719
 Fan Clutch, Diesel 452
 Flank Drive®, Flank Drive® Plus, Box, Tubular 297
 Flank Drive®, Flank Drive® Plus, Adjustable/Cushion Handle 305
 Flank Drive®, Flank Drive® Plus, Combination 257-266, 270-278
 Flank Drive®, Flank Drive® Plus, Flare Nut, Crowfoot, 1/4" Drive 289
 Flank Drive®, Flank Drive® Plus, Flare Nut, Crowfoot, 3/8" Drive 289, 291-292
 Flank Drive®, Flank Drive® Plus, Flare Nut, Crowfoot, 1/2" Drive 294
 Flank Drive®, Flank Drive® Plus, Flex Head 263
 Flank Drive®, Flank Drive® Plus, Offset Box 257, 279-282, 297
 Flank Drive®, Flank Drive® Plus, Open End, Crowfoot 289, 290-291
 Flank Drive®, Flank Drive® Plus, Open End, Flare Nut 288
 Flank Drive®, Flank Drive® Plus, Ratcheting Box, No Offset, High Performance 262
 Flank Drive®, Flank Drive® Plus, Ratcheting Combination, No Offset 258-259, 260-262
 Flank Drive®, Flank Drive® Plus, Ratcheting Combination, No Offset/Spline 260-262
 Flank Drive®, Flank Drive® Plus, Reversible Ratcheting Box/Speed Open End 257
 Flank Drive®, Flank Drive® Plus, Reversible Ratcheting Combination, Offset 257
 Flank Drive®, Flank Drive® Plus, Reversible Ratcheting Combination/Spline 257
 Flank Drive®, Flank Drive® Plus, Specialty Box 283-284
 Flank Drive®, Flank Drive® Plus, Striking 295-296
 Flare Nut, Combination 288
 Flare Nut, Crowfoot 289, 291-292, 294

Flare Nut, Cummins® 449, 450
 Flare Nut, Torque
 Interchangeable Heads... 329, 330–331
 Flex Head..... 263, 265, 266,
 269, 278, 312
 Flex Head, Combination 265–266
 Flex Head, Flank Drive®,
 Flank Drive® Plus 263
 Flex Head, Ratcheting Box..... 269
 Folding Sets..... 300–301
 Four Way..... 286
 Fuel Filter..... 452, 456, 620
 Fuel Line 449
 Fuel Pressure Sensor..... 451, 624
 Fuel Pump..... 449
 Fuel Sensor..... 451, 455, 624
 Fuel Sensor, Diesel..... 451, 455
 Governor Gap 452
 Half Moon..... 283
 Hand Impact 749
 Headlamp Adjuster 802
 Headlight..... 802
 Heavy Duty,
 Impact..... 523, 524, 525, 528, 529
 Heavy Duty, Rack..... 681
 Heavy Duty, Striking, Box 295–296
 Heavy Duty Oil Filter 735, 736
 Heavy Duty Truck..... 461, 465, 466
 Hex, Combination T and L-Shape 298
 Hex, Ratcheting 799
 Hex Folding Sets 300–301
 Ignition..... 285, 629, 751
 Ignition Module 629, 751
 Impact, Air 520, 523–529
 Impact, Cordless..... 496–498, 504
 L-Shape 302–305
 Latch-on® Head..... 269
 Midget..... 277–278, 280
 Motorcycle..... 467, 468, 469
 Newton Meter Torque 314, 315, 318
 Nonconductive..... 393
 Offset Box..... 256–262, 263–266,
 283, 297, 686
 Oil Filter..... 470, 735–736
 Open End, Combination 256–261,
 263–266, 270–279, 288
 Open End, Crowfoot..... 289–291, 293
 Open End, Flare Nut Combination..... 288
 Open End, Flex Combination 265–266
 Open End, Ratcheting Box..... 256–261,
 263–266
 Open End, Spline 257, 259
 Open End, Torque
 Interchangeable Heads..... 326–328
 Organizers..... 89, 90, 91, 94, 570
 Oxygen Sensor..... 625–627
 Pen Plug 744
 Persuaders, Valve 307, 473
 Pipe..... 306
 Pliers..... 306
 Pump..... 449, 451, 470
 Push Rod 445, 453
 Radiator Cap..... 720
 Railroad..... 475

Ratcheting,
 Open End 256–261, 263–266
 Ratcheting Box, A/C Service 713
 Ratcheting Box, Battery Terminal..... 701
 Ratcheting Box,
 Combination..... 256–261, 262–266
 Ratcheting Box, Crowfoot..... 292
 Ratcheting Box, High Performance 262
 Ratcheting Box, Nonconductive..... 393
 Ratcheting Box,
 Open End 256–261, 263–266
 Ratcheting Box,
 Spline 257, 259, 266, 283
 Ratcheting Box, T-Handle 267
 Ratcheting Box,
 Torque Interchangeable
 Heads..... 311, 312, 325, 326, 329–330
 Ratcheting Hex..... 799
 Ratcheting Refrigeration 713
 Ratcheting Tap 426
 Retainers, Slugging 294
 S-Shaped Flank Drive®,
 Flank Drive® Plus, Box..... 284
 Serpentine Belt..... 455, 747, 748
 Slack Adjuster..... 466
 Spline 285
 Softjaw 287
 Spanners..... 308, 711
 Special Purpose/
 Application..... 283–284, 299, 308,
 473, 751
 Spline, Open End 257, 259
 Spline, Oxygen Sensor..... 627
 Stands..... 300
 Starter Bolt 452
 Strap 308
 Striking..... 294–296
 Swivel..... 735
 T-Handle, T-Shape..... 108, 267, 298,
 300, 320
 Tamper Resistant 283, 299, 301, 304
 Tension Pulley Spanner..... 751
 Torque 309–321, 323–331, 340, 669
 Torque, Adjustable..... 313–315,
 323, 325–326, 669
 Torque, Bodies, Adjustable/Preset 323
 Torque, Heavy Duty 466, 471,
 496, 497, 498, 747
 Torque, Insert Heads 326
 Torque, Newton Meter..... 314, 315, 318
 Torque, Pneumatic..... 340
 Torque Interchangeable Heads,
 Open Head 326–328
 TORX®, TORX Plus®, Box 283
 TORX®, TORX Plus®, L-Shape..... 299
 TORX®, TORX Plus®,
 T-Shape..... 299, 300
 TORX®, TORX Plus® Folding Sets 301
 Transmission 686
 Tubular 296–297
 Tubular Handles..... 296
 Turbo, Diesel..... 447, 457
 Vacuum Pump..... 470
 Valve Adjusting 449, 466
 Valve Persuader 307, 473

Water Pump Pulley 746
 Water Sensor, Crowfoot..... 456
 Wheel Alignment 680
 Wrenches, Blue-Point®, Organizers 91

Z

Zeus™ Scan Tool..... 844
 Zeus™ Scan Tool, Accessories..... 852

Official Website
www.snapon.com

US Customer Service
1-877-762-7664
www.snapon.com
Click on Customer Service in upper right corner of website

Canada Customer Service
1-888-824-0524
www.snapon.com
Click on Customer Service in upper right corner of website

Snap-on Corporate
www.snapon.com/corporate
Request a Franchise or Snap-on Representative
www.snapon.com
Click on Find a Franchisee in the upper right corner of website

Own a Snap-on Franchise
www.snaponfranchise.com

Snap-on Credit
1-877-777-8455
www.snaponcredit.com

Snap-on Business Solutions
www.sbs.snapon.com

Snap-on Tools International LLC (Foreign Military, US Exports and Distributors)
1-800-786-6600 ext 6473
www.snapon.com/international

Find us on...



www.youtube.com/snaponscanner



www.facebook.com/SnaponTools



www.twitter.com/snapon_inc

Hand Tools
www.snapon.com/handtools

Power Tools
www.snapon.com/powertools

Tool Storage
www.snapon.com/toolstorage

Diagnostics
www.diagnostics.snapon.com

Diagnostics Product Support
1-877-447-6276
diagnostics_support@snapon.com

Diagnostics Training - Online
www.diagnostics.snapon.com/training/solutions

Shop and Technician Tools
www.snapon.com/shop/tools

Technical Support

| | |
|---|---|
| Specialty Meters (circuit testers and multimeters) | 1-888-382-8522 |
| Trailer Harness Testers and Adapters (YA7900A, YA7900AR, LT series) | 1-888-786-7669 |
| Handheld Gas Analyzers (all HHC6) | 1-888-717-1333 |
| Carbon Monoxide Analyzer (MT700A) | 1-888-382-8522 |
| Diagnostic Smoke™ Vapor Producing Machines | 1-800-901-1989 |
| Battery Chargers (EEBC100, 400, 500 and accessories) | 1-888-713-8007 |
| Electronic Battery Tester (EECS150, 350, 550, 750, DTac and microval) | 1-888-506-8052 |
| ECO™ PLUS A/C Service Center, KooKare Plus (EEAC325A, EEAC325B, EEAC325A, EEAC324B) | 1-888-760-2788 |
| Wheel Balancers and Tire Changers | 1-800-225-5786 |
| Pin Plates and Colet Sets (EEWB3-1A and EEWB3-4) | 1-800-242-6667 |
| TPMS Technical Support | 1-888-621-8767 |
| MIG/TIG Welders and Plasma Cutters | 1-800-ABC-WELD |
| Heavy Duty Transmission Fluid Exchangers (EETF303B, EETF304B, EETFJ00A) | 1-800-300-5874 |
| BrakeKam™ Brake Flush System (EEBR311A) | 1-800-363-1272 ext. 230 |
| TransKam™ 1 ATF Exchanger (EETF305A) | 1-877-906-1385, press 3 for technical support |
| FuelKam™ Fuel Service System (EEFS305A) | 1-877-906-1385, press 3 for technical support |
| Fuel System Decarbonizer (EEFS05A) | 1-877-776-8488 |
| Blast Cabinet (All YA cabinets) | 1-800-253-3661 |
| Solvent Based Parts Washers (all PBC and PBD washers) | 1-800-253-3661 |
| Gauge Sets (Compression, Fuel Injection and Pressure) | 1-855-776-8860 |

Snap-on General Contacts - International

Snap-on Australia Customer Service
1-800-810-581
www.snapontools.com.au
E-mail: sofa.customerservice@snapon.com

Snap-on Japan
+81-3-5534-1280
www.snapon.co.jp

Snap-on Germany
www.snapon.de
+49-3723-6682012
E-mail: de.customerservice@snapon.com

Snap-on International
www.snapon.com/international

Snap-on Italy
www.snapon.it

Snap-on Mexico
www.snapon.com.mx

Snap-on Netherlands/Belgium
www.snap-on.eu
+31-251-209715
E-mail: nl.customerservice@snapon.com

Snap-on UK
www.snapon.co.uk

Snap-on UK Customer Service
01536 413990
E-mail: uk.customerservice@snapon.com

Government and Industrial

Snap-on Industrial
www.snapon.com/industrial

Snap-on Industrial Customer Service, US
1-877-740-1900
E-mail: order.crysto@usa.rscs@snapon.com

Snap-on US Government Customer Service
1-888-418-5800
Fax: 1-888-418-5900
E-mail: contract.sales@snapon.com

Canada Industrial and Government Customer Service
1-888-451-8965
Fax: 1-888-447-8665
E-mail: canadacustomerservice@snapon.com
FracTalk: canadacustomerservice@snapon.com

Snap-on Tools International LLC (Foreign Military, US Exports and Distributors)
1-800-786-6600 Ext 6473
Fax: 1-262-656-4672
email: int.sales@snapon.com

Snap-on Industrial UK
www.snapon-industrial.co.uk
Industrial and Government Customer Service
01536 413990
E-mail: industrialuk@snapon.com

Industrial Customer Service Australia
1800 811 480
E-mail: sofa.ind.customerservice@snapon.com

Snap-on Equipment
www.snaponequipment.com
Equipment Service - North America
1-800-225-5786

SNAP-ON TOOLS INTERNATIONAL LLC

2801 80th Street
Kenosha, WI 53143

Telephone: For general inquiries 262-656-5200 (For export inquiries from within the USA) 1-262-656-6473

Fax: 1-262-656-1403 / 1-262-656-0837

e-mail: intl.sales@snapon.com

European Division Office – South

2801 80th Street
Kenosha, WI 53143
Telephone: 1-262-656-5288
Fax: 1-262-656-1403
e-mail: european.division.south@snapon.com

Asia/Pacific Division

25 Tugore Lane #01-02
Singapore 767062
Telephone: + (65) 6451-5570
Fax: + (65) 6459-1520
e-mail: enquire.as@snapon.com
Internet: <http://snapon.com.sg>

South East Europe – Middle East/Africa

(SEMEA) Division

P.O. Box 65 033
Athens 11510, Greece
Telephone: +30 210 6724828
Fax: +30 210 6725754
e-mail: semead@snapon.com
e-mail: south.east.europe.m.e.a.division@snapon.com

United Kingdom

Snap-on Tools – Head Office and Distribution Centre

Telford Way
Kettering
Northants NN16 8SN, England
Telephone: 01536 413800
Fax: 01536 413900

Snap-on Industrial UK

Industrial Business Centre
35A Telford Way, Kettering
Northants NN16 8UN, England
Telephone: +44 (0)1536 413904
Fax: +44 (0)1536 413874
e-mail: industrialuk@snapon.com

U.K. Service Center

Snap-on Tools Ltd.
Telford Way,
Kettering
Northants NN16 8UN, England
Telephone: 01536 413800
Fax: 01536 410740
e-mail: ketteringserv@snapon.com

Snap-on Tools (Australia) Pty LTD.

National Distribution Centre
80 Halsebrock Road
P.O. Box 5077
Blacktown, NSW 2148 Australia
Telephone: (61) 2-9637-9100
Fax: (61) 2-9637-9199
e-mail: sota.customerservice@snapon.com

Snap-on do Brasil Comercio e Industria Ltda.

Rua Juscelino Kubitschek de Oliveira, 470
Santa Bárbara d Oeste, SP
13456-401 Brazil
Telephone: +55 (19) 2169 1000
Fax: +55 (19) 2169 1040
e-mail: industria@bzil@snapon.com
Internet: www.snapon.com.br

Snap-on Tools B.V. – Netherlands

Snap-on Tools B.V.
De Trompet 2100
1967 DC HEDMSKERK
The Netherlands
Telephone: +31 (0) 20 5682666
Fax: +31 (0) 20 5682670
e-mail: benelux.info@snapon.com
Internet: www.snapon.com/nl

Snap-on Industrial Belgium & Luxembourg

SNA Germany GmbH
Willetstrasse 10
40822 Mettmann
Germany
Telephone: +32 (0)14 231967
Fax: +32 (0)14 232627
e-mail: industrial.be@snapon.com

Snap-on Dealer Group Germany Division

Geschäftsbereich Snap-on Tools
SNA Germany GmbH
Geworbering 1
06337 Hohenstein-Ernstthal / OT Wusterbrand
Germany
Telephone: +49 (0)3723-66820-12/13
Fax: +49 (0)3723-66820-14
e-mail: decustomerservices@snapon.com
Internet: www.snapon.de

Snap-on Industrial International Division

SNA Germany GmbH
Willetstrasse 10
40822 Mettmann
Germany
Telephone: +33 (0) 3 88 65 61 50
Fax: +33 (0) 3 88 65 61 51
e-mail: snapon-intl.europe@snapon.com
Internet: www.snapon.com/ea/industrial

Snap-on Industrial Germany

SNA Germany GmbH
Willetstrasse 10
40822 Mettmann
Germany
Telephone: +49 (0)2104-950-911
Fax: +49 (0)2104-950-899
e-mail: indus.germany@snapon.com
Internet: www.snapon-industrial.de

Snap-on Industrial USA Government Business Unit

SNA Germany GmbH
Willetstrasse 10
40822 Mettmann
Germany
Telephone: +49 (0)2104-950-929
Fax: +49 (0)2104-950-905
e-mail: indus.germany@snapon.com

Snap-on Industrial Netherlands

SNA Germany GmbH
Willetstrasse 10
40822 Mettmann
Germany
Telephone: +31 (0)680 104000
Fax: +31 (0)680 104010
e-mail: industrial.nl@snapon.com
Internet: www.snapon-industrial.nl

Snap-on Tools Italia S.r.l.

Via Biondi, 13/15
20090 Cinisello Balsamo (MI), Italy
Telephone: +39 02 66 04 53 70
e-mail: indus.italia@snapon.com
Internet: www.snapon-industrial.it

Snap-on Tools Japan, K.K.

Snap-on, Bahco
2-1-6 Shinkiba, Koto-ku,
Tokyo, 136-0002 JAPAN
Telephone (Franchisee): +81-3-5534-1285
Telephone (Commercial): +81-3-5534-1293
Fax: 81-3-5534-1284
e-mail: SCJ-INFO@snapon.co.jp

SNAP-ON TOOLS INTERNATIONAL LLC

2801 80th Street
Kenosha, WI 53143

Telephone: For general inquiries 262-656-5200 (For export inquiries from within the USA) 1-262-656-6473

Fax: 1-262-656-1403 / 1-262-656-0837

e-mail: intl.sales@snapon.com

Snap-on Tools Pvt Ltd

Guwahati: A88 Apartments,
5th Floor, Flat No. A,
Manik Nagar, 2nd Bypass,
Guwahati - 781 005

Snap-on Tools Pvt Ltd

Ludhiana: Glads Height, Flat No 22,
Dyari Road, Ludhiana-141 003

Snap-on Tools Pvt Ltd

Jaipur: Flat No. 302,
Plot No. 27 & 27A,
Surya Nagar, Tonson Ki Road,
Tonk Road,
Jaipur - 302 111

Snap-on Tools Singapore Pte. Ltd.

25 Tagore Lane #01-01
Singapore 787662
Telephone: + (65) 6401-5570
Fax: + (65) 6451-5574
e-mail: enquire.cs@snapon.com
Internet: <http://snapon.com.sg>

Snap-on Tools Singapore Pte. Ltd

Malaysia Branch
8-B-10, Street Mall, One South
Jalan OS, Taman Sordang Perdana,
43300 Seri Kembangan
Selangor, Malaysia
Telephone: + (60-3) 8857 1938
Fax: + (60-3) 8857 2930
e-mail: enquire.cs@snapon.com

Snap-on Tools Singapore Pte. Ltd

Philippines Branch
Unit 801 Prime Land, Market St,
Madrigal Business Park, Ayala Nabang
Muntinlupa City, 1761 Philippines
Telephone: + (63-2) 8843 7935
Fax: + (63-2) 8843 7730
e-mail: enquire.cs@snapon.com

Snap-on Tools Singapore Pte. Ltd

Indonesia Branch
Pari Indah Financial Tower Building,
17th Floor, JKR 1705
Jalan Pari Lingkar Dalam Blok T.8
Jakarta 11610
Indonesia
Telephone: + (62) 22582222
e-mail: enquire.cs@snapon.com

Snap-on Tools Singapore Pte. Ltd

Thailand Branch
4 Kanchanapisek Road,
Pravet, Prawet, Bangkok 10250
Tel: + (66) 2026 3255
e-mail: enquire.cs@snapon.com

Snap-on Trading (Shanghai) Co., Ltd.

Unit 2001-2005, Cross Tower
318 Fuzhou Road, Shanghai 200001
P.R. China
Telephone: + (8621) 6391-2388
Fax: + (8621) 6351-2382
e-mail: sales.cn@snapon.com
Internet: www.snapon.com.cn

Snap-on Tools Hong Kong Ltd.

Unit 2010, 20/F, Laford Centre,
638 Lai Chi Kok Road,
Cheung Sha Wan, Kowloon
Hong Kong
Telephone: + (852) 2370-3700
Fax: + (852) 2370-3400
e-mail: esales.hk@snapon.com
Internet: www.snapon.com.hk

Snap-on Tools Singapore Pte. Ltd.

Taiwan Branch
3F-4, Wuquan 1st Road,
New Taipei Industrial Park
Xinzhung District 248022,
New Taipei City, Taiwan, R.O.C.
Telephone: + (886) 2 2293 9789
Fax: + (886) 2 2293 2288
info.tw@snapon.com

Snap-on Tools Korea Ltd.

#201-205, #236 Samba Techno
Tower 122, Jamsil-ro, 385beon-gil,
Bucheon, Gyeonggi-do,
Republic of Korea, 14566
Tel: + (82-32) 326-7310
Fax: + (82-32) 326-7312
enquire.cs@snapon.com
www.snaponkorea.com/

Snap-on Tools Private Limited

Head Office and North Region Office
e-mail: sales.in@snapon.com
Internet: www.snaponindia.in
Tel Free No: 1800-419-6450

Snap-on Tools Private Limited

Western Region Office (Mumbai)
Otkup Chambers 404/406, 4th Floor
Fun Republic Lane,
N. Baxsal Engineering
Veera Desai Road, Andheri West
Mumbai - 400053, Maharashtra, India
Telephone: 022-6702080/400
Fax: 022-67413768
e-mail: esales.in@snapon.com

Snap-on Tools Private Limited

Southern Region Office (Bangalore)
#132, Palace Cross Road
Near Palace Garden Apartment
Bangalore - 560020,
Karnataka, India
Telephone: 080-6537519/9899

Snap-on Tools Private Limited

North Region - Chandigarh Branch
Chandigarh: House No. 3234,
2nd Floor, Sector-27D
Near Radha Swami Sahasg Vyas,
Chandigarh-160 019
Telephone: 07814087660,
07814187660

Snap-on Tools Private Limited

North Region - Lucknow Branch
Flat No. 805
Kallindiville
116-117, Vijayapur Fazalabad Road
Domr Nagar, Lucknow-226010,
Uttar Pradesh, India

Snap-on Tools Private Limited

South Region - Chennai Branch
Flat # 11, "Coc Dee Yee Enclave", Old # 1/3
New # 27, Karaman Colony
Third Street, Vadapalani
Chennai - 600026, Tamil Nadu, India
Telephone: 044-43021304

Snap-on Tools Private Limited

South Region - Hyderabad Branch
1-8-308/4, 1st Floor, Beside Bajaj
Service Street # 1, Patigada
Secunderabad - 500003, Telangana, India
Telephone: 040-27907650

Snap-on Tools Private Limited

East Regional Office - Kolkata
Kolkata: GA 120, Rajdanga Main Road,
Near GST Bhawan, Kolkata - 700 107
Telephone: 033-40081440 / 441

Snap-on Tools Private Limited

West Region - Pune Branch
GAT No. 2320/1, Chowkhil Dhani Road,
Off Nagar Road, Wagholi,
Pune-412207, Maharashtra, India
Telephone: 08856322112,
0856422112

Snap-on Tools Private Limited

West Region - Ahmedabad Branch
Ahmedabad: B No 2 Ravikiran C H SOC
NR Nova Vikas Gruh, Vasana
Ahmedabad - 380 007
Telephone: 079-40051416

Snap-on Tools Private Limited

OTI Region - Sri Lanka
C/o 7A Castle Lane
Colombo-00400, Sri Lanka
Telephone: + (94) 11 2055162
Fax: + (94) 11 2055163

Snap-on Tools Private Limited

OTI Region - Pakistan Branch
Office #206, Second Floor
Progressive Plaza, Beaumont Road
Civil Lines, Karachi-75300, Pakistan
Telephone: + (92) 321 1700444

Snap-on/San de Mexico S.A. de C.V.

Av. Gustavo Baz No. 180-F
Col. San Jeronimo Tepetlaco
C.P. 54090
Tlalquililte, Estado de Mexico
Telephone: + (52) 55 5010 3000
e-mail: contactanos@snapon.com
www.snapon.com.mx

Snap-on South Africa

8 Hippo Park
12 Kulu Avenue
Riverhorse Valley
Durban 4051
South Africa
Telephone: + (27) 861 762 765
e-mail: enquiries@snapon.co.za
Internet: www.snapon.co.za

Snap-on Canada - Industrial Sales

Division
Snap-on Tools of Canada Co.
195A Harry Walker Parkway North
Newmarket, ON
L3Y 7R5 Canada
Tel Free: 1-888-451-8985
Tel Free Fax: 1-888-447-8885
e-mail: CanadaIndustrial@Snapon.com
Internet: www.snapon.com/canada

Calgary Velocity & National Repair Centre

2403-48th Street S.E.
Calgary, Alberta T2C 4H6
Telephone: 1-403-730-0525
Tel Free: 1-800-263-8985
Fax: 1-403-730-0550
Tel Free Fax: 1-888-638-1111

Snap-on Canada - Industrial Sales

Division
Snap-on Tools of Canada Ltd.
16775 Yonge Street Suite 300
Newmarket, ON
L3Y 8J4 Canada
Tel Free: 1-888-451-8985
Tel Free Fax: 1-888-447-8885
e-mail: CanadaIndustrial@Snapon.com
Internet: www.snapon.com/canada

For specific product warranty information contact your franchisees or Snap-on Customer Care Center via 1-877-762-7664 or email: nccsupport@snapon.com

Warranty for Products

Snap-on Logistics Company, or its assigns, ("Snap-on") warrants to customers who purchase products from authorized Snap-on distribution channels that Snap-on® brand products and Blue-Point® brand products will be free from defects in workmanship and materials for a duration described in each product's warranty code. The warranty duration depends upon the nature of the product. Prior to a product purchase, or if the product information for purchased product does not include a warranty code with the applicable duration, customer can obtain the product warranty code and warranty duration from a Snap-on franchisee or representative. If customer is not serviced by a Snap-on franchisee or representative, then the product warranty code and warranty duration may be obtained by contacting the Snap-on Customer Care Center via telephone at 1-877-762-7664 or e-mail nccsupport@snapon.com. Outside North America, contact the closest sales office shown on pages G2-G3. Consumable products are warranted, at the time of sale, only against defects in workmanship or materials that prevent their use. Consumable products are goods reasonably expected to be used up or damaged during use, including but not limited to drill bits, saw blades, grinding discs, sanding discs, knife blades, files, O2 sensors and batteries. To the extent permitted by law, this warranty only extends to the original customer and cannot be transferred or assigned.

During the applicable duration of the warranty, at its option, Snap-on will repair or replace its products which fail to give satisfactory service due to defective workmanship or materials, or provide a refund by repaying or crediting customer with an amount equal to the purchase price of such products. Repair, replacement or refund shall be at the election and expense of Snap-on, and is customer's exclusive remedy in place of all other rights and remedies. Any products or parts replaced or for which Snap-on has provided a refund are the property of Snap-on and will not be returned.

To obtain warranty service, return products to a Snap-on franchisee or representative.

For customers not serviced by a Snap-on franchisee or representative, contact the Snap-on Customer Care Center via telephone at 1-877-762-7664 or e-mail nccsupport@snapon.com. Outside North America, contact the closest sales office shown on pages G2-G3. The following information will be required with customer's warranty request: (1) date and proof of purchase, (2) where customer purchased the product, (3) full name,

(4) shipping address, (5) phone number, (6) e-mail address, and (7) item number(s) or approximate weight of return package. Warranty requests that do not include all the required information will not be processed. Once the warranty request is validated, the customer will be provided a RGA number and will be sent a shipping label either electronically through e-mail or through the US mail, and must ship the product to Snap-on. Upon receipt of the product, the warranty claim will be reviewed and the product will be inspected. If the warranty request is found to be valid, the product will be repaired and returned to the customer or a replacement product or refund will be shipped to the customer. If the warranty claim is found to be invalid, the original product will be returned to the customer. By repairing or replacing a product, or providing a refund, Snap-on does not waive a claim that a product nevertheless has been subject to abnormal use.

If customer chooses not to (1) use a carrier that offers tracking or (2) insure or declare the full value of the product, customer will be responsible for any loss or damage to the product during shipping. Replacement or refund will not be issued unless a valid proof of delivery can be provided.

In addition to any limitations outlined in warranty codes provided with the product, Snap-on does NOT provide any warranty for (1) products labeled other than Snap-on or Blue-Point or (2) products subjected to "abnormal use". Products that are not labeled Snap-on or Blue-Point are subject to the warranty provided by the manufacturers of those products and Snap-on will pass along any such warranties, to the extent that it is permitted to do so, but it is not responsible for warranty services or processing warranty claims. "Abnormal use" includes misuse, accident, modification, unreasonable use, abuse, neglect, lack of maintenance, use in product related service, or use after the product is significantly worn. Abnormal use of tool storage units also includes, without limitation, situations when a unit is pulled using a mechanical vehicle, rolled over large drops, used in a highly corrosive environment, used as a step stool, modified with non-Snap-on parts, overloaded or modified in any way.

THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS, IMPLIED OR COLLATERAL, BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Descriptions of product contained in this catalog are for the sole purpose of identifying product and shall not be construed as an express warranty.

LIMITATION OF LIABILITY. SNAP-ON AND ITS AFFILIATED COMPANIES AND THIRD PARTY SUPPLIERS SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL LOSSES, COSTS OR DAMAGES INCURRED BY CUSTOMER OR OTHERS, INCLUDING PERSONAL INJURY OR DEATH, DIRECTLY OR INDIRECTLY ARISING FROM THE SALE, HANDLING OR USE OF THE PRODUCTS, OR FROM ANY OTHER CAUSE WITH RESPECT TO THE PRODUCTS OR THE FOREGOING WARRANTY, WHETHER SUCH CLAIM IS BASED UPON BREACH OF CONTRACT, BREACH OF WARRANTY, STRICT LIABILITY IN TORT, NEGLIGENCE OR ANY OTHER LEGAL THEORY (INCLUDING WITHOUT LIMITATION, LOST PROFITS, REVENUES, ANTICIPATED SALES, BUSINESS OPPORTUNITIES, GOODWILL, OR INTERRUPTION OF BUSINESS OR OTHER INJURY OR DAMAGE).

To the extent allowed by applicable law, this warranty and all rights and obligations hereunder shall be governed by and construed in accordance with the laws of the State of Wisconsin, without reference to principles of conflicts of laws. The rights and obligations of the parties hereunder shall not be governed by the 1980 U.N. Convention on Contracts for the International Sale of Goods.

All parts of this warranty apply to the extent permitted by law and unless restricted or prohibited by law. You may have greater rights pursuant to the legislation of your jurisdiction. Any provision which is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability but shall not affect the enforceability of such provision in any other jurisdiction.

Your Safety Is Important To Us

Personal safety and the proper use of tools and equipment are reflected in safety statements found throughout this catalog. More safety precautions for these products are detailed on pages W1 to W4.

Using the right tool and using it properly for the job it is designed for are both very important. It will help to safeguard the user as well as the tools and equipment.

Important Notice

We reserve the right to make changes in design or construction at any time without incurring any obligation in incorporating such changes in tools or equipment previously sold. We also reserve the right to discontinue the manufacture or offering for sale through Snap-on franchisee or representatives of any tools or equipment at such time as we consider necessary. We cannot accept the responsibility for the results of using tools which have been abused or badly worn, such as punches and chisels mushroomed by hammer blows, or the incorrect use of tools, or tools repaired by others. This catalog is distributed by Snap-on Incorporated globally and not all items may be available in each country. For detailed information about the availability and pricing, please contact your local Snap-on representative.

Tool Dimension Accuracy

Dimensions shown in this catalog have been rounded to the nearest fractional size or nearest tenth millimeter and are not exact product specifications. Ask your Snap-on representative for product specifications if required.

ISO 9001 Certified

The Snap-on Quality Management System, including merchandised product procurement, is certified to ISO 9001

ISO 14001/OHSAS 18001 Certified

Snap-on facilities are guided by the Snap-on Environmental, Health and Safety Management System, which is certified to ISO 14001 and OHSAS 18001. These certifications demonstrate that the Snap-on Quality, Environmental, Health and Safety Management Systems conform to internationally recognized quality standards as verified by independent audits.



Trademarks

The following are trademarks, some registered in the United States and other countries, of Snap-on Incorporated:

Snap-on®, Blue-Point®, BrakeKare™, Crud Thug®, Docker Locker®, D-SACT™, Dual Be®, ECO™ PLUS, ElectroBark®, ETHOS®, Fast-Track®, Flank Drive®, Flank Drive® Plus, FuelKare™, InPulse™, Instinct®, ISO-Ride® and design, KOO! KARE™ PLUS, Lock'n Roll®, Looseket®, MicroVAT®, Mitchell's®, MODIS™, PowerBank™, PowerCab™, PowerEdge™, PowerFlex™, PowerHouse™, PowerTop™, Scanner™, ShopKey™, ShopKey Live™, Slots-N-Dots™, SmartSmoke®, SOLUS PRO™, SOLUS™, SOLUS Ultra™, Talon Grip™, TechAngle™, TechLog™, TechMemory™, Techwrench®, TORQLOG®, TORQOMETER®, Torque Tester™, Training Solutions™, TransDrive™ logo, TransDrive™, TransKare™, Vantage PRO™, Versameter™, Versatier™, Versatorq™, VersatorqL, VERUS™, THEBIS™.

Listed below are some other trademarks which appear throughout this catalog. They are the sole property of the owners.

4Runner®, Accord®, ACR®, Aerostar®, ARO®, Astro®, Avalanche®, Beetle®, Bonneville®, Boster®, Bravada®, Cadillac®, Camaro®, Camry®, Caprice®, Caravan®, Cayenne®, Cherokee®, Civic®, Corolla®, Corvette®, Crossfire®, Crown Victoria®, DeVille®, Durango®, Element®, Envoy®, EOS®, Escalade®, Escort®, Fiesta®, Grand Am®, Grand Cherokee®, Grand Prix®, HHR®, Highlander®, Hummer®, Intrepid®, ION™, Jetta®, Latch-on®, Magnum®, Malibu®, Maxima®, Monte Carlo®, Mustang®, Odyssey®, Panamera®, Passat®, Phillips®, Prelude®, Rabbit®, Ram®, Silverado®, Solstice®, Suburban®, Tahoe®, Tempo®, Thunderbird®, Fore®, Velcro®, Vibe®, Windstar®.

All other marks are trademarks of their respective holders.

Showing Millimeter Sizes, Fractional and Decimal Inch Sizes, and Drill Number Sizes

Note: To convert from inches to millimeters, multiply by 25.4; to convert from millimeters to inches, multiply by 0.03937

| M | DE | F | DN | M | DE | F | DN | M | DE | F | DN | M | DE | F | DN | M | DE | F | DN | M | DE | F | DN |
|------|--------|------------------------------|----|------|--------|------------------------------|----|------|--------|------------------------------|-------------------------------|-------|--------|------------------------------|-------------------------------|-------|--------|--------------------------------|-------------------------------|--------|---------------------------------|--------------------------------|----|
| 0.10 | 0.0039 | — | — | 1.85 | 0.0728 | — | — | — | 0.1880 | — | 19 | 7.25 | 0.2854 | — | — | 13.49 | 0.5313 | ¹⁷ / ₃₂ | 35.00 | 1.3780 | — | — | — |
| 0.15 | 0.0059 | — | — | — | 0.0730 | — | — | 49 | 4.25 | 0.1873 | — | — | 7.30 | 0.2874 | — | — | 13.50 | 0.5315 | — | 36.00 | 1.4173 | — | — |
| 0.20 | 0.0079 | — | — | 1.90 | 0.0748 | — | — | — | 4.30 | 0.1893 | — | — | — | 0.2900 | — | L | 13.89 | 0.5468 | ¹⁵ / ₃₂ | 36.51 | 1.4375 | 1 ¹ / ₁₆ | — |
| 0.25 | 0.0098 | — | — | — | 0.0760 | — | 48 | — | 0.1895 | — | 18 | 7.40 | 0.2913 | — | — | — | 14.00 | 0.5512 | — | 37.00 | 1.4567 | — | — |
| 0.30 | 0.0118 | — | — | 1.95 | 0.0768 | — | — | — | 4.37 | 0.1719 | ¹¹ / ₃₂ | — | — | 0.2950 | — | M | 14.29 | 0.5625 | ⁹ / ₁₆ | 38.00 | 1.4901 | — | — |
| — | 0.0135 | — | 80 | 1.98 | 0.0791 | ¹ / ₃₂ | — | — | 0.1730 | — | 17 | 7.50 | 0.2953 | — | — | — | 14.30 | 0.5709 | — | 38.10 | 1.5000 | 1 ¹ / ₂ | — |
| 0.35 | 0.0138 | — | — | — | 0.0785 | — | 47 | 4.40 | 0.1732 | — | — | — | 7.54 | 0.2969 | ¹⁰ / ₃₂ | — | 14.68 | 0.5781 | ¹⁷ / ₃₂ | 38.00 | 1.5354 | — | — |
| — | 0.0145 | — | 79 | 2.00 | 0.0787 | — | — | — | 0.1770 | — | 16 | 7.60 | 0.2992 | — | — | — | 15.00 | 0.5906 | — | 39.69 | 1.5625 | 1 ³ / ₁₆ | — |
| 0.40 | 0.0156 | ¹ / ₁₆ | — | 2.05 | 0.0807 | — | — | — | 4.50 | 0.1772 | — | — | — | 0.3020 | — | N | 15.08 | 0.5938 | ¹³ / ₃₂ | 40.00 | 1.5748 | — | — |
| 0.40 | 0.0157 | — | — | — | 0.0810 | — | 46 | — | 0.1800 | — | 15 | 7.70 | 0.3031 | — | — | — | 15.45 | 0.6094 | ³ / ₁₆ | 41.00 | 1.6142 | — | — |
| — | 0.0160 | — | 78 | — | 0.0820 | — | 45 | 4.60 | 0.1811 | — | — | — | 7.75 | 0.3051 | — | — | 15.50 | 0.6102 | — | 41.28 | 1.6250 | 1 ¹ / ₈ | — |
| 0.45 | 0.0177 | — | — | 2.10 | 0.0827 | — | — | — | 0.1820 | — | 14 | 7.80 | 0.3071 | — | — | — | 15.88 | 0.6290 | ⁵ / ₁₆ | 42.00 | 1.6535 | — | — |
| — | 0.0180 | — | 77 | 2.15 | 0.0848 | — | — | — | 4.70 | 0.1850 | — | 13 | 7.90 | 0.3110 | — | — | 16.00 | 0.6299 | — | 42.88 | 1.6875 | 1 ¹ / ₁₆ | — |
| 0.50 | 0.0197 | — | — | — | 0.0860 | — | 44 | 4.75 | 0.1870 | — | — | — | 7.94 | 0.3125 | ¹ / ₁₆ | — | 16.27 | 0.6406 | ⁴ / ₁₆ | 43.00 | 1.6929 | — | — |
| — | 0.0200 | — | 76 | 2.20 | 0.0866 | — | — | — | 4.78 | 0.1875 | ¹ / ₁₆ | — | — | 0.3150 | — | — | 16.50 | 0.6496 | — | 44.00 | 1.7323 | — | — |
| — | 0.0210 | — | 75 | 2.25 | 0.0886 | — | — | — | 4.80 | 0.1890 | — | 12 | — | 0.3180 | — | O | 16.67 | 0.6563 | ³ / ₁₆ | 44.45 | 1.7500 | 1 ³ / ₁₆ | — |
| 0.55 | 0.0217 | — | — | — | 0.0890 | — | 43 | — | 0.1910 | — | 11 | 8.10 | 0.3199 | — | — | — | 17.00 | 0.6693 | — | 45.00 | 1.7717 | — | — |
| — | 0.0225 | — | 74 | 2.30 | 0.0906 | — | — | — | 4.90 | 0.1929 | — | — | 8.20 | 0.3228 | — | — | 17.07 | 0.6719 | ³ / ₁₆ | 46.00 | 1.8110 | — | — |
| 0.60 | 0.0236 | — | — | 2.35 | 0.0925 | — | — | — | 0.1935 | — | 10 | — | 0.3230 | — | P | 17.46 | 0.6875 | ¹ / ₁₆ | 46.04 | 1.8125 | 1 ¹³ / ₃₂ | — | — |
| — | 0.0240 | — | 73 | — | 0.0935 | — | 42 | — | 0.1960 | — | 9 | 8.25 | 0.3248 | — | — | — | 17.50 | 0.6890 | — | 47.00 | 1.8504 | — | — |
| — | 0.0250 | — | 72 | 2.38 | 0.0938 | ¹ / ₃₂ | — | 5.00 | 0.1969 | — | — | — | 8.30 | 0.3268 | — | — | 17.96 | 0.7031 | ² / ₁₆ | 47.63 | 1.8750 | 1 ¹ / ₈ | — |
| 0.65 | 0.0256 | — | — | 2.40 | 0.0945 | — | — | — | 0.1990 | — | 8 | 8.33 | 0.3281 | ² / ₁₆ | — | — | 18.00 | 0.7087 | — | 48.00 | 1.8998 | — | — |
| — | 0.0260 | — | 71 | — | 0.0960 | — | 41 | 5.10 | 0.2008 | — | — | 8.40 | 0.3307 | — | — | — | 18.26 | 0.7188 | ¹ / ₁₆ | 49.00 | 1.9291 | — | — |
| 0.70 | 0.0276 | — | — | 2.45 | 0.0965 | — | — | — | 0.2010 | — | 7 | — | 0.3320 | — | Q | 18.50 | 0.7283 | — | 49.21 | 1.9375 | 1 ¹⁵ / ₃₂ | — | — |
| — | 0.0280 | — | 70 | — | 0.0960 | — | 40 | 5.16 | 0.2031 | ¹ / ₃₂ | — | — | 8.50 | 0.3346 | — | — | 18.65 | 0.7344 | ² / ₁₆ | 50.00 | 1.9685 | — | — |
| — | 0.0290 | — | 69 | 2.50 | 0.0984 | — | — | — | 0.2040 | — | 6 | 8.60 | 0.3386 | — | — | — | 19.00 | 0.7490 | — | 50.80 | 2.0000 | 2 | — |
| 0.75 | 0.0295 | — | — | — | 0.0995 | — | 39 | 5.20 | 0.2047 | — | — | — | 0.3390 | — | R | 19.05 | 0.7506 | ³ / ₁₆ | 51.00 | 2.0079 | — | — | |
| — | 0.0310 | — | 68 | — | 0.1015 | — | 38 | — | 0.2055 | — | 5 | 8.70 | 0.3425 | — | — | — | 19.45 | 0.7656 | ⁴ / ₁₆ | 52.00 | 2.0472 | — | — |
| 0.79 | 0.0313 | ¹ / ₃₂ | — | 2.60 | 0.1024 | — | — | 5.25 | 0.2067 | — | — | — | 8.73 | 0.3438 | ¹ / ₃₂ | — | 19.50 | 0.7677 | — | 52.39 | 2.0625 | 2 ¹ / ₁₆ | — |
| 0.80 | 0.0315 | — | — | — | 0.1040 | — | 37 | 5.30 | 0.2087 | — | — | — | 8.75 | 0.3445 | — | — | 19.84 | 0.7813 | ³ / ₁₆ | 53.00 | 2.0868 | — | — |
| — | 0.0320 | — | 67 | 2.70 | 0.1063 | — | — | — | 0.2090 | — | 4 | 8.80 | 0.3465 | — | — | — | 20.00 | 0.7874 | — | 53.88 | 2.1250 | 2 ¹ / ₈ | — |
| — | 0.0330 | — | 66 | — | 0.1065 | — | 36 | 5.40 | 0.2126 | — | — | — | 0.3480 | — | S | 20.24 | 0.7969 | ¹ / ₁₆ | 54.00 | 2.1260 | — | — | |
| 0.85 | 0.0335 | — | — | 2.75 | 0.1083 | — | — | — | 0.2130 | — | 3 | 8.90 | 0.3504 | — | — | — | 20.50 | 0.8071 | — | 55.00 | 2.1654 | — | — |
| — | 0.0350 | — | 65 | 2.78 | 0.1094 | ¹ / ₃₂ | — | 5.50 | 0.2165 | — | — | — | 0.0350 | — | — | — | 20.64 | 0.8126 | ¹ / ₁₆ | 55.58 | 2.1875 | 2 ³ / ₁₆ | — |
| 0.90 | 0.0354 | — | — | — | 0.1100 | — | 35 | 5.58 | 0.2188 | ¹ / ₃₂ | — | — | 0.3580 | — | T | 21.00 | 0.8268 | — | 58.00 | 2.2047 | — | — | |
| — | 0.0360 | — | 64 | 2.80 | 0.1102 | — | — | 5.60 | 0.2205 | — | — | 9.10 | 0.3583 | — | — | — | 21.03 | 0.8281 | ³ / ₁₆ | 57.00 | 2.2441 | — | — |
| — | 0.0370 | — | 63 | — | 0.1110 | — | 34 | — | 0.2210 | — | 2 | 9.13 | 0.3594 | ² / ₁₆ | — | — | 21.43 | 0.8438 | ² / ₁₆ | 57.15 | 2.2500 | 2 ¹ / ₈ | — |
| 0.95 | 0.0374 | — | — | — | 0.1130 | — | 33 | 5.70 | 0.2244 | — | — | — | 0.20 | 0.3622 | — | — | 21.50 | 0.8466 | — | 58.00 | 2.2835 | — | — |
| — | 0.0380 | — | 62 | 2.90 | 0.1142 | — | — | — | 0.2264 | — | — | — | 9.25 | 0.3642 | — | — | 21.83 | 0.8594 | ¹ / ₁₆ | 58.74 | 2.3125 | 2 ³ / ₁₆ | — |
| — | 0.0390 | — | 61 | — | 0.1160 | — | 32 | — | 0.2280 | — | 1 | 9.30 | 0.3661 | — | — | — | 22.00 | 0.8661 | — | 59.00 | 2.3228 | — | — |
| 1.00 | 0.0394 | — | — | 3.00 | 0.1181 | — | — | 5.80 | 0.2283 | — | — | — | 0.3680 | — | U | 22.23 | 0.8750 | ¹ / ₁₆ | 60.00 | 2.3622 | — | — | |
| — | 0.0400 | — | 60 | — | 0.1200 | — | 31 | 5.90 | 0.2323 | — | — | — | 0.40 | 0.3701 | — | — | 22.50 | 0.8858 | — | 60.33 | 2.3750 | 2 ³ / ₁₆ | — |
| — | 0.0410 | — | 59 | 3.10 | 0.1220 | — | — | — | 0.2340 | — | A | 9.50 | 0.3740 | — | — | — | 22.62 | 0.8906 | ¹ / ₁₆ | 61.00 | 2.4015 | — | — |
| 1.05 | 0.0413 | — | — | 3.18 | 0.1250 | ¹ / ₁₆ | — | 5.95 | 0.2344 | ¹ / ₃₂ | — | — | 0.53 | 0.3750 | ¹ / ₁₆ | — | 23.00 | 0.9055 | — | 61.81 | 2.4375 | 2 ⁷ / ₁₆ | — |
| — | 0.0420 | — | 58 | 3.20 | 0.1260 | — | — | — | 0.2362 | — | — | — | 0.3770 | — | V | 23.02 | 0.9063 | ¹ / ₁₆ | 62.00 | 2.4409 | — | — | |
| — | 0.0430 | — | 57 | 3.25 | 0.1280 | — | — | — | 0.2380 | — | B | 9.60 | 0.3790 | — | — | — | 23.42 | 0.9219 | ³ / ₁₆ | 63.00 | 2.4803 | — | — |
| 1.10 | 0.0433 | — | — | — | 0.1285 | — | 30 | 6.10 | 0.2402 | — | — | — | 9.70 | 0.3819 | — | — | 23.50 | 0.9252 | — | 63.50 | 2.5000 | 2 ¹ / ₂ | — |
| 1.15 | 0.0453 | — | — | 3.30 | 0.1299 | — | — | — | 0.2420 | — | C | 9.75 | 0.3838 | — | — | — | 23.81 | 0.9375 | ¹ / ₁₆ | 64.00 | 2.5197 | — | — |
| — | 0.0465 | — | 56 | 3.40 | 0.1330 | — | — | — | 0.2441 | — | — | — | 0.60 | 0.3858 | — | — | 24.00 | 0.9449 | — | 65.00 | 2.5591 | — | — |
| 1.19 | 0.0468 | ¹ / ₁₆ | — | — | 0.1360 | — | 29 | 6.25 | 0.2460 | — | D | — | 0.3860 | — | W | 24.21 | 0.9531 | ¹ / ₁₆ | 65.09 | 2.5625 | 2 ³ / ₁₆ | — | — |
| 1.20 | 0.0472 | — | — | 3.50 | 0.1378 | — | — | — | 0.2480 | — | — | — | 9.80 | 0.3896 | — | — | 24.50 | 0.9646 | — | 66.00 | 2.5984 | — | — |
| 1.25 | 0.0492 | — | — | — | 0.1405 | — | 28 | 6.35 | 0.2500 | ¹ / ₁₆ | E | 9.92 | 0.3906 | ² / ₁₆ | — | — | 24.81 | 0.9688 | ¹ / ₁₆ | 66.68 | 2.6250 | 2 ⁵ / ₁₆ | — |
| 1.30 | 0.0512 | — | — | 3.57 | 0.1406 | ¹ / ₁₆ | — | — | 0.2520 | — | — | 10.00 | 0.3937 | — | — | — | 25.00 | 0.9843 | — | 67.00 | 2.6378 | — | — |
| — | 0.0520 | — | 55 | 3.60 | 0.1417 | — | — | — | 0.2559 | — | — | — | 0.3970 | — | X | 25.00 | 0.9844 | ¹ / ₁₆ | 68.00 | 2.6772 | — | — | |
| 1.35 | 0.0531 | — | — | — | 0.1440 | — | 27 | — | 0.2570 | — | F | — | 0.4040 | — | Y | 25.40 | 1.0000 | 1 | 68.28 | 2.6875 | 2 ¹ / ₁₆ | — | — |
| — | 0.0550 | — | 54 | 3.70 | 0.1457 | — | — | — | 0.2598 | — | — | 10.32 | 0.4083 | ¹ / ₃₂ | — | — | 26.00 | 1.0236 | — | 69.00 | 2.7165 | — | — |
| 1.40 | 0.0551 | — | — | — | 0.1470 | — | 26 | — | 0.2610 | — | G | — | 0.4130 | — | Z | 26.99 | 1.0625 | 1 ¹ / ₁₆ | 69.85 | 2.7500 | 2 ³ / ₁₆ | — | — |
| 1.45 | 0.0571 | — | — | — | 0.1476 | — | — | — | 0.2638 | — | — | 10.50 | 0.4134 | — | — | — | 27.00 | 1.0630</ | | | | | |

#1

**FRANCHISE FOR
VETERANS**

**TOOL BRAND
IN THE WORLD**

★ **INCENTIVES FOR HONORABLY DISCHARGED VETERANS** ★



Snap-on

SnaponFranchise.com

Snap-on



© 2014 Snap-on Incorporated. All rights reserved. Snap-on, the Snap-on logo, and Snap-on Tools are trademarks of Snap-on Incorporated. All other trademarks are the property of their respective owners.

To learn more about Snap-on, talk to your Franchisee or other sales representative, or visit snapon.com.

snapon.com | 1.877.762.7664