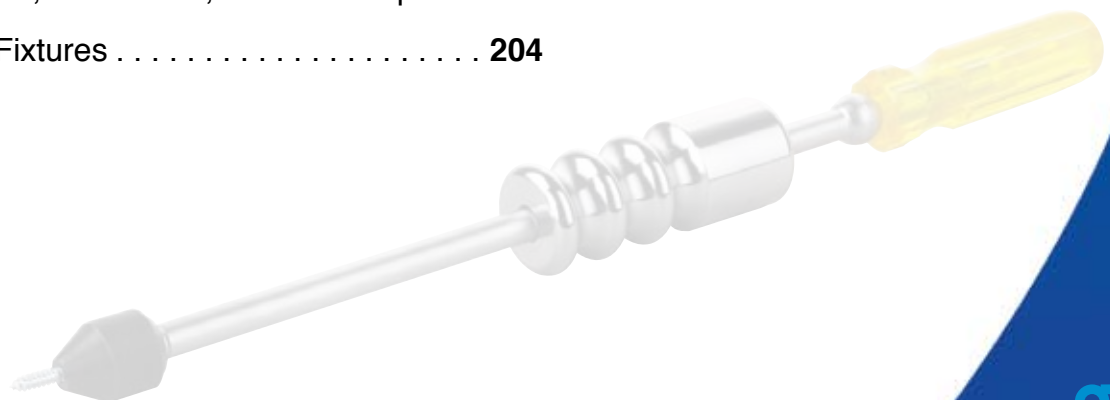


# GENERAL PURPOSE TOOLS

## Retaining Ring Pliers

Retaining Ring, Snap Ring Pliers . . .	176–179
Vacuum Pumps . . . . .	179
Extractor Sets . . . . .	180
Torque Wrenches . . . . .	180–181
Torque Angle, and Radio Tools . . . . .	181–183
Hose Service . . . . .	183
Wire Strippers, Crimpers . . . . .	184
Battery Service . . . . .	184–186
Headlamp, and Mirror Tools . . . . .	186–187
Gland Nut, and Misc. Tools . . . . .	187
Chisel, Punch, and Misc. Tools . . . . .	188–189
Molding / Upholstery Tools . . . . .	190–191
Scraping Tools . . . . .	191
Prying Tools . . . . .	192–193
O-ring Picks . . . . .	193
Thread Chaser . . . . .	194
Hex Key Wrenches, and Misc. . . . .	194
Adjustable, and Spanner Wrenches . . . . .	196–197
Stud Remover Sets . . . . .	197
Driver Tools & Pullers . . . . .	198–199
Oil Filter Wrenches . . . . .	199–201
Strap / Chain Wrenches . . . . .	202
Body Tools, Seal Puller, & Stethoscope . . . . .	203
Holding Fixtures . . . . .	204



# GENERAL PURPOSE TOOLS

## Retaining Ring Pliers



**No. 7053K**  
Similar to Ford  
No. D79L-7000-A

15702

7123K

7125K

7300

### Retaining Ring Pliers

Here are a variety of retaining ring pliers, available individually or in sets, to handle many applications.

**No. 7053K** – Internal/external retaining ring pliers kit. Includes four 90° tips (.038" diameter), four 45° tips (.047" diameter), and eight straight tips (.047" and .070" diameter). Wt., 11 oz.

**No. 15702** – Replacement tip kit. Contains 4 sets, 4 tips per set. Wt., 2 oz.

**No. 7123K** – Convertible retaining ring pliers kit. For internal or external rings. Contains one No. 1120 (.038" diameter) and one No. 1340 (.070" diameter) straight tip pliers. Wt., 15 oz.

**No. 7125K** – Convertible retaining ring pliers kit. For internal or external rings. Contains one No. 1125 (.038" diameter) and one No. 1345 (.070" diameter) 45° pliers. Wt., 15 oz.

**No. 7300** – Internal, straight tip retaining ring pliers. 16" long. Wt., 2 lbs., 2 oz.

**No. 7301** – External, straight tip retaining ring pliers. 16" long. Wt., 2 lbs., 2 oz.

### Replacement tips (pairs):

**No. 209201** – For pliers Nos. 7300 and 7301. Wt., 2 oz.

**No. 222029** – 45° for pliers Nos. 7300 and 7301. Wt., 2 oz.

**No. 222030** – 90° for pliers Nos. 7300 and 7301. Wt., 2 oz.

### How to select the correct pliers:

1. If ring number is known, locate ring number in chart —pliers are listed in right-hand column.
2. Or, measure diameter of shaft bore and locate size in chart —pliers are in right-hand column.

Internal	
No. 0100 No. 0300 No. 0500	No. 7300
Convertible	
No. 1120 No. 1125 No. 1340 No. 1345	
External	
No. 0200 No. 0400 No. 0600	No. 7301

Ring Series No.	Size Range (Ring Size No.)	Bore of Shaft Dia. Range ("Inch" equiv.)	Pliers No.
5100	12 to 87	1/8" to 7/8"	0200
	12,15,25 to 66	1/8" to 21/32"	1120, 1125
	25 to 143	1/4" to 1-7/16"	7053K, 7123K, or 7125K
	93 to 143	15/16" to 1-7/16"	1340, 1345, or 0400
5101	31 to 75	5/16" to 3/4"	0600
5102	150 to 350	1-1/2" to 3-1/2"	
5555	75	3/4"	7301
	354 to 650	3-35/64" to 6-1/2"	
5108	50 to 100	1/2" to 1"	0200
	50 to 78	1/2" to 25/32"	1120
	50 to 200	1/2" to 2"	7053K, 7123K, or 7125K
	106 to 200	1-1/16" to 2"	1340, 1345, or 0400
	215 to 334	2-1/8" to 3-11/32"	0600
	350 to 400	3-1/2" to 4"	7301
N5000	37 to 102	3/8" to 1-1/32"	0100
	37 to 56	3/8" to 9/16"	1120, 1125
	37 to 200	3/8" to 1-3/4"	7053K, 7123K, or 7125K
	106 to 175	1-1/16" to 1-3/4"	1340, 0300
	N5001	181 to 300	1-13/16" to 3-1/2"
N5002	306 to 625	3-1/16" to 6-1/4"	7300
5008	75 to 137	3/4" to 1-3/8"	0100
	75 to 100	3/4" to 1"	1120, 1125
	75 to 200	3/4" to 2"	7053K, 7123K, or 7125K
	143 to 200	1-7/16" to 2"	1340, 1345, or 0300
	206 to 300	2-1/16" to 3"	0500
	315 to 400	3-5/32" to 4"	7300

### Retaining Ring Pliers Set

This set includes 12 of our most popular retaining ring pliers, in sizes for automotive applications. Tips include straight, 45°, and 90° angles in four different sizes (.038, .047, .070, and .090" diameter).

- Includes a sturdy plastic organizer box.

**No. 7412K** – Retaining ring pliers set. Wt., 5 lbs.

#### No. 7412K includes:

Tool No.	Description	Ship. Wt.
1120	.038" dia., straight	4 oz.
1125	.038" dia., 45°	4 oz.
1131	.038" dia., 90°	4 oz.
1320	.047" dia., straight	4 oz.
1325	.047" dia., 45°	4 oz.
1329	.047" dia., 90°	4 oz.
1340	.070" dia., straight	7 oz.
1345	.070" dia., 45°	7 oz.
1349	.070" dia., 90°	7 oz.
1560	.090" dia., straight	9 oz.
1565	.090" dia., 45°	9 oz.
1569	.090" dia., 90°	9 oz.

All items can be purchased separately.



7412K

### Snap Ring Pliers Set – Internal/External

- For internal or external snap rings; thumbscrew permits quick conversion.
- Made of heavy-gauge tempered steel.
- Includes two stainless steel handled picks.
- Contained in a blow-molded plastic storage case.

**No. 4512** – Snap ring pliers set. Wt., 4 lbs., 3 oz.

#### No. 4512 includes:

Tool No.	Description
4512-1	.090" tip, straight pliers
4512-2	.090" tip, 90° pliers
4512-3	.070" tip, straight pliers
4512-4	.070" tip, 90° pliers
4512-5	.047" tip, straight pliers
4512-6	.047" tip, 90° pliers
4512-7	.038" tip, straight pliers
4512-8	.038" tip, 90° pliers
4512-9	straight tip pick
4512-10	90° tip pick



4512



### Convertible Retaining Ring Pliers Set

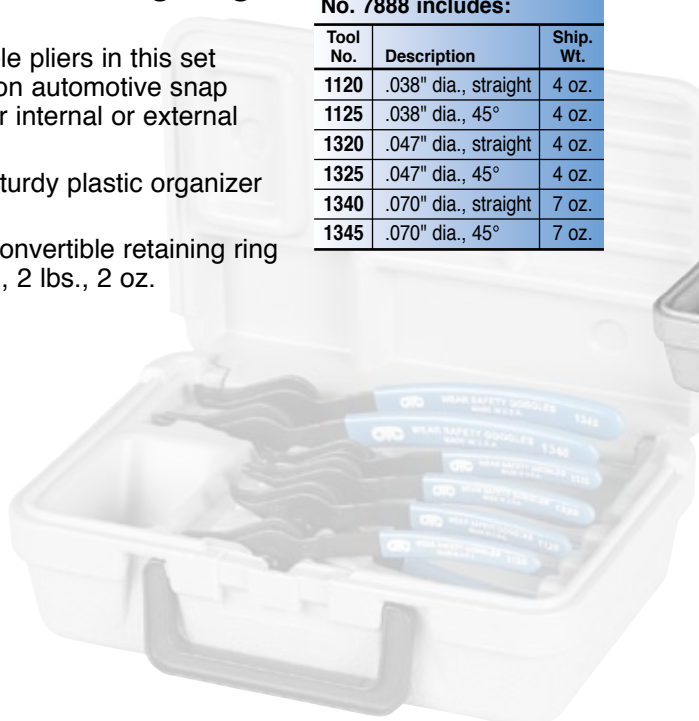
The convertible pliers in this set can be used on automotive snap rings, in either internal or external applications.

- Includes a sturdy plastic organizer box.

**No. 7888** – Convertible retaining ring pliers set. Wt., 2 lbs., 2 oz.

#### No. 7888 includes:

Tool No.	Description	Ship. Wt.
1120	.038" dia., straight	4 oz.
1125	.038" dia., 45°	4 oz.
1320	.047" dia., straight	4 oz.
1325	.047" dia., 45°	4 oz.
1340	.070" dia., straight	7 oz.
1345	.070" dia., 45°	7 oz.



7888

# GENERAL PURPOSE TOOLS

## Snap Ring Pliers



4514

### Mini Snap Ring Pliers Set (4 piece)

- Small-size pliers for work in tight areas. Service S-ring and R-ring clips, internal or external, straight or angled. Ruggedly built of heat-treated chrome molybdenum steel.
- Set includes two internal snap ring pliers (one straight, one 45°) and two external snap ring pliers (one straight, one 45°).
- All pliers have .038" (1.0mm) diameter tips.
- Overall length 3"; handle length 2".

**No. 4514** – Mini snap ring pliers set. Wt., 6 oz.



4513

### Heavy-Duty Snap Ring Pliers Set (2 piece)

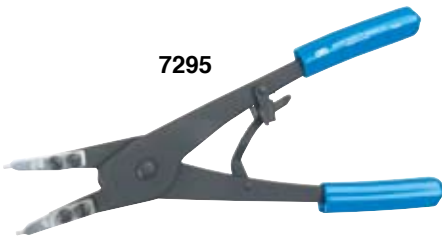
- Heat treated steel "circlip" pliers for large equipment repair. Replaceable tips and spring ratchet locking mechanism to securely hold against snap ring tension.
- Internal pliers' capacity 3-1/16" to 6-1/4" (78 mm to 159 mm) snap rings.
- External pliers' capacity 3-1/2" to 6-1/2" (89 mm to 165 mm) snap rings.
- Blow-molded storage case includes extra sets of replaceable tips.
- Overall length 16"; handle length 12-1/2".

**No. 4513** – Heavy-duty snap ring pliers set. Wt., 7 lbs., 3 oz.

#### No. 4513 includes:

Tool No.	Description
4513-1	Internal snap ring pliers
4513-2	External snap ring pliers
4513-3	(2) .12" (3 mm) straight tip
4513-4	(2) .12" (3 mm) 45° tips
4513-5	(2) .12" (3 mm) 90° tips
4513-6	4 tip retaining screws

7295



### Retaining Ring Pliers

The "squeeze-lock" ratchet action of this tool locks retaining rings in position, making removal and installation easy. It features cushioned handles to ensure a secure grip.

- Will handle rings 3/16" thick and up to 4" in diameter.
- Pliers is 12" long.

**No. 7295** – Retaining ring pliers. Wt., 1 lb., 2 oz.

**No. 211051** – Pair of replacement tips. Wt., 2 oz.

7313



### Retaining Ring Pliers

This tool removes the external retaining rings used in transmissions, differentials and other automotive components.

- Maximum spread is 1-1/16".

**No. 7313** – Retaining ring pliers, 7-3/4" long. Wt., 8 oz.

714



### Horseshoe Lock Ring Pliers

This ruggedly built pliers is designed to spread and remove horseshoe lock rings used on hydraulic brakes, differentials, transmissions, and CV joints.

- Handles are 8" long.

**No. 714** – Horseshoe lock ring pliers. Wt., 8 oz.

### Retaining Ring Pliers

An ideal tool for any transmission shop, this 13" long pliers with a maximum spread of 2.5" features replaceable tips and a spring-return handle.

**No. 7410** – Retaining ring pliers with replaceable tips. Wt., 1 lb., 5 oz.

**No. 214903** – Set of replacement tips. Wt., 2 oz.

7410



### Fluid Evacuation / Brake Bleeding Tools

- Use to bleed brake systems and remove a variety of fluid from vehicles, such as antifreeze, oil, transmission fluid, gear lube, etc.
- Quick connect locking hose adapters and ball-style on/off valve on hose prevent fluid leakage.
- Equipped with a relief valve to prevent over-pressurizing the tank.

**No. 8100** – Operates by shop air or a hand pump; shipped complete with a brake bleeding hose, fluid evacuation hose, and two suction hoses (6 mm and 7 mm); 10-liter capacity tank. Wt., 10 lbs.

**No. 8101** – Operates with shop air; shipped with a brake bleeding hose and fluid evacuation hose; 6-liter capacity tank. Wt., 10 lbs., 13 oz.

8101

8100



### Deluxe Metal Vacuum Pump

With this multipurpose pump, vacuum testing and brake bleeding are one-person operations. Made of die cast metal, the repairable pump will develop and hold about 25" of mercury vacuum. It comes with all the components needed to help speed you through most brake jobs.

- Includes an easy-to-read gauge (inch and mm graduations), reservoir jar, transfer and storage lids, rubber cup adapter, brake-bleeding adapters, tubing, and carrying case.

**No. 7559** – Deluxe metal vacuum pump. Wt., 3 lbs., 12 oz.

7559



### Vacuum / Pressure Pump Kit

- Hand pump may be set to create vacuum or pressure.
- Gauge on pump reads 0–30 in. Hg (0 to -1 BAR) vacuum; 0–60 psi (0–4 BAR) pressure.
- Includes an assortment of fittings and hoses to adapt to most components that need to be tested.
- Includes brake fluid reservoir for bleeding brake systems.

**No. 4752** – Vacuum/pressure pump kit. Wt., 4 lbs., 4 oz.

4752



# GENERAL PURPOSE TOOLS

## Stud, Screw Extractor & Torque Wrenches



### Combination Stud Extractor and Drill Bit Set

- Removes bolts and screws up to 5/8" diameter.
- **Set contains:**
  - Five left-handed stud extractors: 5/64", 7/64", 5/32", 1/4", and 19/64".
  - Five left-handed cobalt drill bits: 5/64", 7/64", 5/32", 1/4", and 19/64".

**No. 4545** – Combination stud extractor and drill bit set. Wt., 13 oz.



### Fingertip Ratchet Bit and Socket Kit (29 piece)

- Two fingertip ratchets (three-positions: forward, lock, reverse). One bit driver; one socket driver with quick release.
- 13-piece, 1/4" drive sockets. SAE: 1/4", 9/32", 5/16", 11/32", 3/8", 7/16". Metric: 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 12 mm, 13 mm.
- 14-piece, 4.5, 6.5 slotted bits, #1 and #2 Phillips bits TORX: T10, T15, T20, T25, T27, T30; Tamper resistant T10, T15, T20, T25.

**No. 5910** – Fingertip ratchet bit and socket kit (29 piece). Wt., 1 lb.



### Screw Extractor Set

- Removes broken studs and bolts.
- Includes ten guide bushings, five drill bits and five screw extractors with extractor nuts.
- Drill bits are left handed to help removal.

**No. 4651** – Screw extractor set. Wt., 1 lbs., 7 oz.



### Accutorq™ Klikker Torque Wrenches

These precision torque wrenches make a loud click when you've reached the torque setting. They feature ratcheting heads, all-metal construction, permanently roll-marked scales, and soft-grip rubber handles that enable you to firmly grasp the wrench for right- or left-hand torquing.

- Includes molded plastic case.
- One-year warranty.

**No. 7375** – 150–750 in. lbs. Accutorq Klikker torque wrench. Wt., 2 lbs., 8 oz.

**No. 7377** – 30–150 ft. lbs. Accutorq Klikker torque wrench. Wt., 4 lbs., 3 oz.

**No. 7378** – 50–250 ft. lbs. Accutorq Klikker torque wrench. Wt., 4 lbs., 3 oz.

**No. 7379** – 100–600 ft. lbs. Accutorq Klikker torque wrench. Wt., 14 lbs.

OTC No.	Torque Range	Graduations	Square Drive	Length	Wt. (Lbs.)
7375	150–750 in. lbs. (17–85 N·m)	10 in. lbs.	3/8"	15-1/8"	2.8
7377	30–150 ft. lbs. (41–203 N·m)	2 ft. lbs.	1/2"	17-3/4"	4.2
7378	50–250 ft. lbs. (68–339 N·m)	2 ft. lbs.	1/2"	19-3/8"	4.2
7379	100–600 ft. lbs. (136–813 N·m)	10 ft. lbs.	3/4"	42-1/4"	14

### Torque Multipliers

These 4:1 ratio torque multipliers provide the power to tighten threaded fasteners in a number of truck and tractor repair operations.

**No. 5073** – 1,000 lb. capacity torque multiplier. Has 1/2" square drive and 3/4" square drive output. Includes 14" extension handle. Wt., 7 lbs.

**No. 5074** – 2,000 lb. capacity torque multiplier. Has 3/4" square drive and 1" square drive output. Includes 18" extension handle. Wt., 14 lbs.



### Accutorq™ Dial Torque Wrench

This torque wrench features a large, easy-to-read dial scale with memory needle, and has chrome-plated steel surrounding the bezel to protect the scale, lens, and needle.

- Meets all federal specifications.
- Includes molded plastic case.
- One-year warranty.

**No. 7380** – Accutorq™ dial torque wrench. Wt., 1 lb., 12 oz.



OTC No.	Torque Range	Graduations	Square Drive	Length	Wt. (Lbs.)
7380	0–150 in. lbs. (0–17 N·m)	3 in. lbs.	3/8"	10"	1.7

### Torque Angle Meter

This meter simply connects to any standard 1/2" socket extension and measures angle rotation, electronically! Clip unit to socket extension and enter desired angle. No support arm to connect between each fastener, fast and accurate to use. Unit will beep and flash when desired angle is reached. 0-199 degree capability, +/- 1% accuracy.

**No. 3559** – Torque angle meter. Wt., 11 oz.

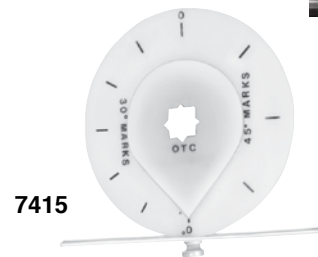


### Torque Angle Gauge

Many manufacturers specify a torque angle procedure for tightening fasteners and head bolts because it helps ensure more accurate tightening. This torque angle gauge, featuring an easy-to-read gauge, will provide a precise reading.

- Accommodates a 1/2" drive torque wrench.

**No. 7415** – Torque angle gauge. Wt., 2 oz.



### Torque Angle Gauge

- Required when servicing many late model engines that use torque-to-yield fasteners. Measures angle of rotation after pre-torque in torque-angle applications.
- The 360° scale is marked in 2° increments and intervals of 10° and 30°; easily zeroed for next application by turning the tool housing.
- Has 1/2" male and female square drives.

**No. 4554** – Torque angle gauge. Wt., 6 oz.



### Magnetic Parts Tray

- Rectangular, stainless steel tray is 9-1/2" x 5-1/2" and 1-1/4" deep. Holds tools and small metal parts, so they don't get lost or misplaced during repair work.
- Two heavy-duty magnets on bottom of tray, with non-marring contact pads, securely hold tray to metal objects such as a tool box, air cleaner cover, frame rail, fender, etc.

**No. 4490** – Magnetic parts tray. Wt., 1 lb., 11 oz.



# GENERAL PURPOSE TOOLS

## Radio Service Tools



### Air Bag Release Tool Kit

- Use to remove the air bag module from the steering wheel.
- Work on many GM, Ford and Mercedes Benz vehicles.

Applications:

Ford 2000-2004 Taurus/Sable, 1999-2003 Windstar Van.

GM 1999-2005 Chevrolet Impala, Lumina, Monte Carlo, Venture, Pontiac Bonneville, Grand Prix, Montana, Buick LeSabre, Century, Regal, Olds Intrigue, Cadillac El Dorado, Deville, STS, SLS.

Mercedes Benz Models 107,123, 124, 126, 129, 140, 163, 164, 170, 201, 202, 203, 208, 209, 210, 211, 215, 219, 220, 221 and 463.

**No. 5945** – Air bag release tool kit. Wt., 2 lbs.



### Deluxe Radio and Antenna Service Kit

- Eleven-piece kit in molded case.
- Universal antenna wrench.
- Ford radio removal tool.
- Deep sockets to remove and install the tamper-proof radio nuts from many GM, Chrysler, and other aftermarket radios.
- Antenna nut sockets cover most import and domestic antenna nuts.

**No. 4711** – Radio and antenna kit. Wt., 1 lbs., 13 oz.



### Euro Radio Removal Tool Kit

- Includes the popular tools needed to remove the radio from the dash on the following European vehicles: BMW, VW, Audi, and Mercedes-Benz.
- Easily removes the radio without damaging the radio or the dash panel.

**No. 4712** – Euro radio removal tool kit. Wt., 13 oz.



### Deluxe European Radio Tool Set

- 18-piece set of tools used to remove radios on most European vehicles sold in the U.S. and Europe.
- Quickly and easily removes the radio from the dash without damage to the radio or dash.

#### Replacement Parts

Part No.	Description	Application
4715-1	Removal Keys (4 pieces)	Audi, Becker, Mercedes-Benz, VW
4715-2	Removal Keys (2 pieces)	Becker, Mercedes-Benz, Porsche
4715-3	Removal Keys (2 pieces)	VW
4715-4	Removal Keys (2 pieces)	Skoda
4715-5	Removal Keys (2 pieces)	Becker
4715-6	Pentagon Wrench	BMW
4715-7	Bent U-hook (2 pieces)	Blaupunkt
4715-8	U-hook (2 pieces)	Audi, Blaupunkt, Ford, Grundig, VW
4715-9	Allen Hex Wrench	BMW, Opel

**No. 4715** – Deluxe European radio tool set. Wt., 1 lbs., 3 oz.



Similar to  
SA9148B

**7827**

### Saturn Window Glass Socket

This specially designed socket enables you to easily remove the tricky fasteners that Saturn uses to hold window glass to the regulator in its car doors. Our tool won't cause the damage that often results from makeshift methods.

- For use on 1991 to current models.
- Accommodates a 3/8" drive ratchet and extension.

**No. 7827** – Saturn window glass socket. Wt., 3 oz.



### Mercedes-Benz Dashboard Service Tool Kit

- 8-piece tool kit contains:
- (2) removal tools for ignition lock on model W126.
- (2) removal tools for ignition locks on models W124 & W201.
- (2) removal hooks for instrument cluster on models W107, W116, W123, W124, W126, W140, and W201.
- (2) radio removal tools on models W129, W140, W202, and W210.
- Covers virtually all Mercedes-Benz models since 1992.

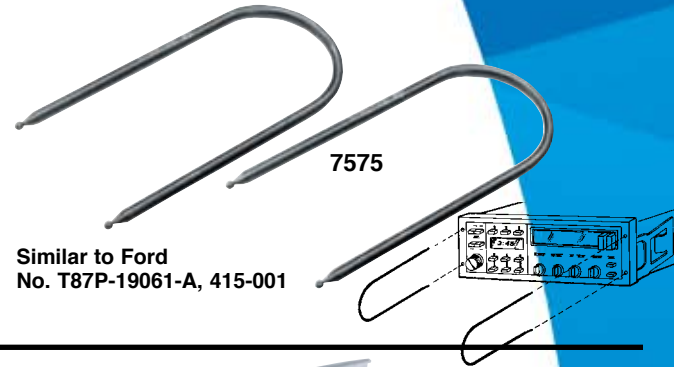
**No. 6711** – Mercedes-Benz dashboard service tool kit. Wt., 10 oz.



### Ford Radio Removal Tool Kit

These dual-purpose tools release the retaining clips of a radio faceplate so you can pull the radio from the instrument panel. For use on 1987 to current Mustang; 1988 and newer Tempo/Topaz; 1989 to current Lincoln Continental; 1990 to current Taurus/Sable, Ranger/Bronco II, Probe, Lincoln Town Car, Mark VII, Crown Victoria/ Grand Marquis, Thunderbird/ Cougar, F-series pickups and E-series vans; 1991 to current Explorer; 1995 to 2003 Windstar.

**No. 7575** – Ford radio removal tool kit. Wt., 2 oz.



### Hose Pinch-off Pliers Set (3 piece)

- Shuts off flow through vacuum, fuel, and coolant lines, etc.
- Cocking ratchet mechanism holds pivoting jaws tightly in place. Heavy-duty swivel jaws pivot to ensure parallel pinching.
- These three tools are available separately:
  - No. 4510-8** – 8" tool for small hoses and tight areas
  - No. 4510-10** – 10" tool for radiator and vacuum lines
  - No. 4510-12** – 12" tool for radiator and vacuum lines

**No. 4510** – Set of three pinch-off pliers. Wt., 2 lbs., 11 oz.



### Hose Cutter – “Guillotine”

- Hooks and cuts plastic lines and rubber hoses from 1/8" to 1" diameter. Simply hook hose in V-shaped end, and squeeze handle to cut. Compound mechanical leverage provides power. Spring-loaded blade returns to open position after use, so blade is not exposed.
- Linear design hook reaches and cuts hoses in tight areas.
- Replacement steel cutter blade No. 4511-1 is available.

**No. 4511** – Hose cutter tool. Wt., 8 oz.

**No. 4511-1** – Replacement blades. Wt., 2 oz..



### Straight-Blade Hose Cutter

- Cuts rubber hoses ranging from 1/4" to 1-1/2".
- Simply place hose in tool and squeeze handle to cut.
- Replacement steel cutter blade No. 4509-1 is available.

**No. 4509** – Straight blade hose cutter. Wt., 5 oz.



### Rubber Hose Pinch-off Pliers

These pliers keep rubber fuel and water lines clamped tightly when you're servicing engine components. The grip pads provide a damage-free method of shutting off flow without having to drain the hoses. Pivoting jaws and locking ratchet provide a tight grip in just about any position.

**No. 7655** – Hose pinch-off pliers. Wt., 13 oz.



# GENERAL PURPOSE TOOLS

## Pliers, Crimpers & Puller



4493

### Angle-Tip Relay Pliers

- Designed to remove and install relays, which are usually located in confined, hard-to-reach areas.
- Specially coated tips offer a solid grip on the relay.

No. 4493 – Angle-tip relay pliers. Wt., 10 oz.



4497

### Ratcheting Terminal Crimper

- Heavy-gauge steel crimping tool designed for insulated wire terminals.
- Ratcheting action crimps terminal to correct tightness on the wire, making crimping fast and easy.
- For wire sizes: AWG 22–18 (0.6 mm–1.0 mm) red terminal; AWG 16–14 (1.3 mm–1.6 mm) blue terminal; AWG 12–10 (2.0 mm–2.6 mm) yellow terminal.
- Insulated handles with compound mechanical leverage for power.

No. 4497 – Ratcheting terminal crimper. Wt., 1 lb., 3 oz.



4498

### 7-in-1 Wire Stripper and Crimper

- Strips insulation off electrical wires ranging from 10 AWG–22 AWG (0.6mm–2.6mm) in diameter. Pliers on tip of jaw for looping or grabbing wire in tight places.
- Heat-treated steel jaws cut solid or multi-strand wire.
- Screw cutter shears screws clean, with no thread clean-up required. Works on machine screw sizes 4-40, 5-40, 6-32, 8-32, 10-24, and 10-32.
- Crimps insulated and non-insulated wire terminals, 7mm–8mm spark plug wire connectors.

No. 4498 – 7-in-1 wire stripper and crimper. Wt., 8 oz.



4499

### Wire Stripper and Cutter

- Only 6" in length. Clean size separations and markings allow ease of use in tight areas.
- Strips insulation off of electrical wires ranging from 10 AWG–22 AWG (0.6mm–2.6mm) in diameter. Heat-treated steel construction with durable grips.
- Spring-loaded jaws stay open for ease of use, and lock for storage; gripping area at tip of jaws for working in tight areas; wire cutter at base of jaws.

No. 4499 – Wire stripper and cutter. Wt., 5 oz.



4611

### Battery Terminal Puller

- Designed to remove the battery cable clamp from the post without causing damage to the battery.
- Spring-loaded sharp jaws get under the clamp for a secure grip.

No. 4611 – Battery terminal puller. Wt., 14 oz.

### 3-Way Battery Post Cleaner

- Steel blades quickly clean top-post battery terminals and cable clamps; cleaners are marked “positive” and “negative.”
- Ream is tapered to clean both positive and negative battery cable clamps.

**No. 4612** – 3-Way battery post cleaner. Wt., 6 oz.



### Battery Pliers

- Serrated jaws firmly grip the battery terminal nut or bolt.
- Offset handles allow access in hard-to-reach areas.
- Works on both top-post and side-post battery terminals.

**No. 4613** – Battery pliers. Wt., 10 oz.



### Side Terminal Battery Wrench

- Designed for use on GM side-terminal batteries, or any 5/16" hex head battery bolt.
- 5/16", 6 point, box end, 5-1/2" long, ratcheting wrench; insulated handle.

**No. 4614** – Side-terminal battery wrench. Wt., 5 oz.



### Long-Side Terminal Battery Wrench

- Designed for use on GM side-terminal batteries, or any 5/16" hex head battery bolt.
- Long handle allows access to hard-to-reach battery terminal bolts.
- 5/16", 6 point, box end, 10" long, ratcheting wrench; insulated handle.

**No. 4615** – Long-side terminal battery wrench. Wt., 8 oz.



### Battery Terminal Wrench – 10mm

- Designed for use on 10 mm battery terminal bolts found on many import and domestic vehicles.
- 10 mm, 12 pt., box-end ratcheting wrench; 5-1/2" long with insulated handle.

**No. 4616** – Battery terminal wrench - 10 mm. Wt., 3 oz.



### Side Terminal Battery Brush

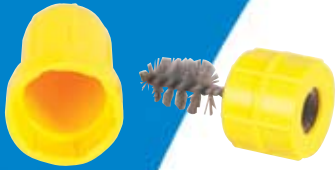
- Designed to clean corrosion from side post batteries.
- One brush used to clean battery terminals; other brush used to clean battery cable ends.
- Plastic handle resists battery acid.

**No. 4617** – Side terminal battery brush. Wt., 3 oz.



# GENERAL PURPOSE TOOLS

## Battery Service



4618

### Battery Brush

- Cleans dirt and corrosion from positive and negative battery posts and cable clamps.
- Plastic case resists battery acid and most cleaning solvents.

**No. 4618** – Battery brush. Wt., 3 oz.



4620

### Battery Carrier

- Use to lift and install most top post and side terminal batteries.
- Designed to transfer lifting force to a secure hold on the battery; teeth on jaws offer a secure grip.
- Vinyl strap resists battery acid and will not conduct electricity.

**No. 4620** – Battery carrier. Wt., 14 oz.



4619

### Professional Battery Hydrometer

- Displays a battery's specific gravity on an easy-to-read float; scale ranges from 1.100 to 1.300.
- Thermometer indicates what must be added or subtracted from the float reading to arrive at an accurate specific gravity reading for each battery cell.
- Flexible tip offers easy access to the battery cells while the battery is still in the vehicle.

**No. 4619** – Professional battery hydrometer. Wt., 6 oz.



4621

### Two-Liter Battery Filler

- Replenish battery water the easy way! The fill nozzle on this container has an automatic shut-off that prevents overfilling; the handle on the side of the container makes the job a snap. Container holds up to two liters of distilled water.

**No. 4621** – Two-liter battery filler. Wt., 1 lb.



4622

### Battery Cable Cutter

- Designed to cut copper battery cable and aluminum electrical cable. **IMPORTANT:** Do not cut steel cable; damage to blades will occur.
- Precision-ground cutting blades provide a clean, square cut.
- 7" long handle gives extra leverage when cutting thick cable.

**No. 4622** – Battery cable cutter. Wt., 1 lb. 2 oz.



4689

### Ford Headlamp Alignment Tool

- Use to adjust aerodynamic headlamps with rear mounted adjuster on Fords.
- 4 mm hex with one-way roller clutch for precise adjustments.
- Long, ratcheting handle for easy access.

**No. 4689** – Ford headlamp alignment tool. Wt., 7 oz.

### Ford Mirror Removal Tool

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

#### Works on these outside door mirrors:

- 1997–2002 Windstar
- 1998–2004 Crown Vic, Grand Marq, Marauder, Taurus, Sable, Mustang, Town Car
- 1999–2004 Ranger, Excursion, Super Crew (F-250–F-550), F-650, F-750
- 2001–2004 Escape
- 2002–2004 Thunderbird
- 1996–2004 Explorer
- 1997–2004 Mountaineer
- 1998–2004 Expedition, Navigator, F-150
- 1999–2004 E-Series van
- 2000–2004 LS
- 2001–2004 Explorer Sport, Explorer Sport Trac
- 2003–2004 Aviator
- 1999–2004 Dual arm mirror used on Excursion, Super Crew (F-250–F-550), F-650, F-750
- Also works on 1999 and newer Ford interior / rearview mirrors that have the detachable (screwless) mount.



**No. 8200** – Ford mirror removal tool. Wt., 4 oz.

### Gland Nut Wrench

This wrench is fully adjustable to fit hydraulic cylinders on vehicles having gland nuts from 1" to 3-3/4" in diameter. It also reverses to work on either 1/4" or 7/32" pinholes.

- Accommodates a 1/2" drive ratchet.

**No. 7463** – Gland nut wrench. Wt., 10 oz.

**No. 215128** – Replacement pin. Wt., 1 oz.



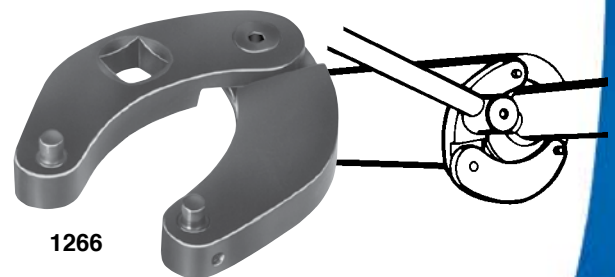
### Adjustable Gland Nut Wrench

Here's a wrench designed to fit hydraulic cylinders on most farm and construction equipment. It fits gland nuts from 2" to 6" diameter pin to pin. And it's reversible to fit 1/4" and 5/16" diameter pinholes.

- Accommodates a 3/4" drive ratchet or breaker bar.

**No. 1266** – Adjustable gland nut wrench. Wt., 2 lbs., 3 oz.

**No. 204928** – Replacement pin. Wt., 1 oz.



### Euro Door Handle Kit

• This kit contains the tools needed to service most door hinges and door handles on Audi, Mercedes-Benz, Porsche, and Volkswagen vehicles.

• Kit includes: A ratchet wrench with three 12-point bits (4 mm, 8 mm, 10 mm), one T40 and one T45 TORX® bit; a T30 TORX® long handled driver; and a T20 TORX® T-handle driver.

• T30 driver, 14" long; T20 driver, 9-1/2" long; hex ratchet, 9-1/2" long.

**No. 6785** – Euro door handle kit. Wt., 15 oz.



6785

# GENERAL PURPOSE TOOLS

## Punch & Misc. Tools



4485

### Spot Weld Cutter Set

- Use with electric drill or air drill to cut 5/16" and 3/8" spot welds.
- Cutter bits have cutting teeth on each end.
- Replacement kit No. 4485-1 consists of (3) 5/16" cutter bits; (3) 3/8" cutter bits; and (4) centering tips.

**No. 4485** – Spot weld cutter set. Wt., 5 oz.

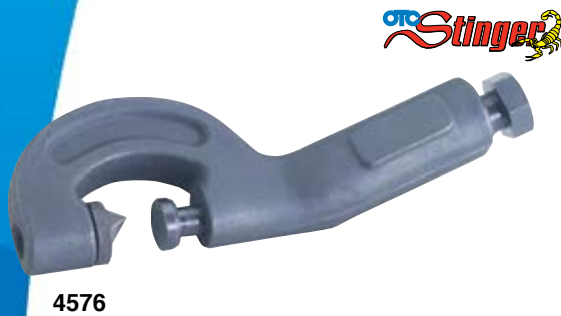


7677

### Exhaust Hanger Pliers

Many cars and trucks have rubber blocks supporting their exhaust system hanger brackets. These pliers will enable you to quickly and easily remove those push-through brackets from their hangers. These pliers feature a two-position slip joint for use on many sizes of hanger blocks.

**No. 7677** – Exhaust hanger pliers. Wt., 1 lb., 5 oz.



4576

### Universal C-Frame Nut Splitter

- Forged and heat-treated frame with offset handle works where ordinary nut splitters may fail. Smooth action cracks nuts without damaging bolt threads.
- Chisel rotates to line up parallel to bolt. Splits non-heat-treated nuts of 7/16" (11 mm) through 3/4" (19 mm) diameter. Tool is 6-3/4" in length.

**No. 4576** – Universal C-frame nut splitter. Wt., 1 lb., 8 oz.



4600

### Punch and Chisel Set (16 piece)

- Durable set of heat-treated chrome vanadium steel punches and chisels. Storage tray included.

Contents of set, available separately:

- 3 – Cold chisels (with gauge): 3/8" x 5-1/2"; 1/2" x 6"; 5/8" x 6-1/2"
- 2 – Center punches: 1/8" x 5"; 3/16" x 6"
- 5 – Pin punches: 3/32" x 4-1/4"; 1/8" x 4-3/4"; 5/32" x 5"; 3/16" x 5-1/4"; 1/4" x 5-3/4"
- 5 – Taper punches: 3/32" x 5-1/4"; 1/8" x 5-3/4"; 5/32" x 6"; 3/16" x 6-1/4"; 1/4" x 6-3/4"
- 1 – Chisel gauge

**No. 4600** – Punch and chisel set (16 piece). Wt., 2 lbs., 11 oz.



4602

### Brass Punch Set (2 piece)

- Two large, brass non-sparking punches. Ideal for use near precision parts or in locations where sparks from ferrous metal could be hazardous.
- Includes an 8" punch (5/8" hex, tapered to 3/8") and 10" straight punch (3/4" dia., chamfered at both ends).

**No. 4602** – Brass punch set. Wt., 2 lbs., 3 oz.

# GENERAL PURPOSE TOOLS

## Chisel & Punch Sets, Steering Wheel Holder

### Steering Wheel Holder & Pedal Depressor Kit



- This kit has two applications: 1) holds steering wheel in position for alignment adjustments, and 2) depresses brake pedal for various brake checks, including brake lamp operation.
- Rod easily slides in actuator for fast, easy installation of tool on brake pedal or steering wheel. Simply hand squeeze the actuator to accomplish fine adjustments.
- Kit includes: actuator assembly; extension rod for actuator (use when depressing brake pedal); hook assembly (hooks on steering wheel when depressing brake pedal or holding steering wheel); and flat pad (rests on front seal when holding steering wheel).

**No. 4546** – Steering wheel holder and pedal depressor kit.  
Wt., 5 lbs., 2 oz.

**4546-1** – Handle and Rod. Wt., 2 lbs.

**4546-2** – Steering wheel and pedal holder.  
Wt., 2 lbs., 3 oz.



### Interchangeable Punch and Chisel Set



- Handle allows easy grip and protects hand from being hit by hammer.
- 12 punches and chisels:
  - 1 cape chisel: 1/4" wide blade
  - 5 flat chisels: 1/2", 5/8", 3/4", 7/8", and 1" wide blades
  - 2 taper punches: 1/8" and 1/4" diameter
  - 2 pin punches: 3/16" and 1/4" diameter
  - 2 center punches: 1/8" and 3/16" diameter
- Double-locking ball detent holds punch or chisel securely in the driver handle.

**No. 4605** – Interchangeable punch and chisel set.  
Wt., 4 lbs., 7 oz.



### Interchangeable Autobody Forming and Punch Kit



Includes:

- 4605-1** – Drive handle
- 4756-1** – Small curve tool
- 4756-2** – Cross curve tool
- 4756-3** – Rounded ball-peen tool
- 4756-4** – One-sided flat blade tool
- 4756-5** – Curve blade tool
- 4756-6** – Pointed ball-peen tool
- 4756-7** – Angle face tool
- 4756-8** – Flat blade tool
- 4756-9** – Square face tool
- 4756-10** – Angle groove tool
- 4756-11** – Round face tool

**No. 4756** – Interchangeable autobody forming and punch kit.  
Wt., 4 lbs., 13 oz.



# GENERAL PURPOSE TOOLS

## Drivers & Misc. Tools



4608

### Impact Drivers

- Loosens hard-to-turn screws, bolts or nuts.
- Handle design prevents possibility of hitting hand with hammer when striking impact driver.
- Bit holder has 3/8" drive (No. 4608), 1/2" (No. 4607) drive, and 5/16" hex for Phillips and flat screwdriver bits.
- Includes eight screwdriver bits:
  - No. 2 Phillips bit, 1-3/8" long with 5/16" hex
  - No. 2 Phillips bit, 3-1/8" long with 5/16" hex
  - No. 3 Phillips bit, 1-3/8" long with 5/16" hex
  - No. 3 Phillips bit, 3-1/8" long with 5/16" hex
  - 5/16" wide x 1-3/8" long with 5/16" hex slotted bit
  - 5/16" wide x 3-1/8" long with 5/16" hex slotted bit
  - 3/8" wide x 1-3/8" long with 5/16" hex slotted bit
  - 3/8" wide x 3-1/8" long with 5/16" hex slotted bit

**No. 4607** – 1/2" impact driver. Wt., 2 lbs., 4 oz.

**No. 4608** – 3/8" impact driver. Wt., 2 lbs., 4 oz.

4606



### Brass Hammer and Punch Set

- Brass-head hammer and punches are ideal to use where sparks from ferrous metals would be hazardous, or where precision metal parts could be damaged by steel tools.
- Hammer head weighs 24 oz.; brass drift punch is 10" x 3/4" diameter; brass tapered punch is 8" x 5/8" hex tapered to 3/8" diameter point.

**No. 4606** – Brass hammer and punch set.

Wt., 4 lbs., 2 oz.



4489

### Trim Fastener and Molding Removal Set

- Set includes five different sizes and styles of tools that allow easy removal of trim fasteners, moldings, and wheel hubs.
- Tools are made of plastic to prevent damage to trim, moldings, alloy wheels, or vehicle paint.
- Can be used on trim fasteners and moldings inside, or outside, the vehicle.

**No. 4489** – Trim fastener and molding removal set. Wt., 13 oz.

### Mercedes-Benz Molding Removal Kit

- 3-piece kit designed to save time for the shop when servicing M-B vehicle interiors.
- Works on/in virtually all Mercedes-Benz.
- No. 6789 along with the No. 4489 set cover most vehicle interiors on the road today.

**No. 6789** – Mercedes-Benz molding removal kit. Wt., 12 oz.

6789





### 5-Piece E-Clip Tool Set

- Dual operation tool: one end of tool releases e-clip; other end of tool installs e-clip.
- Tools fit four sizes of e-clips: 6 mm, 7 mm, 8 mm, and 9 mm.
- Each tool easily locks into handle provided.

**No. 4492** – 5-piece E-clip tool set. Wt., 10 oz.



### Door Panel & Upholstery Tool Set

Heavy-duty door panel and upholstery tools:

**No. 4549-1** – removes window and door handle clips, and upholstery tucking.

**No. 4549-2** – V-notched door panel clip removal tool.

**No. 4549-3** – U-notched door panel clip removal tool.

**No. 4549** – Door panel and upholstery tool set – 3-piece. Wt., 1 lb.



### Small Door Panel & Upholstery Tool Set

Heavy-duty tools with stainless steel blades used for removing small door panels and upholstery clips:

**No. 4551-1** – U-notched tool

**No. 4551-2** – V-notched tool

**No. 4551** – Small door panel and upholstery tool set. Wt., 8 oz.



### Putty Knife Set

Heavy-duty stainless steel, precision ground, and polished. Blades taper at tip to provide great flexibility and blade action. Ergonomic, two-component plastic handles provide a non-slip grip.

- Packaged in a storage tray. Includes three flexible blade knives: 1-1/4", 2", and 3".

**No. 4552-1** – Large putty knife.

**No. 4552-2** – Medium putty knife.

**No. 4552-3** – Small putty knife.

**No. 4552** – Putty knife set. Wt., 13 oz.



### Scraper Set

Scrapers feature polished, heat-treated, stiff, stainless steel blades. Handles are ergonomic two-component plastic and feature a non-slip grip and steel bolstered end.

- Packaged in a storage tray. Includes: 1-1/4" straight blade, 1-1/4" bent blade, and 2" straight blade.

**No. 4550-1** – Medium scraper.

**No. 4550-2** – Small scraper.

**No. 4550-3** – Angled scraper.

**No. 4550** – Scraper set. Wt., 1 lb., 2 oz.

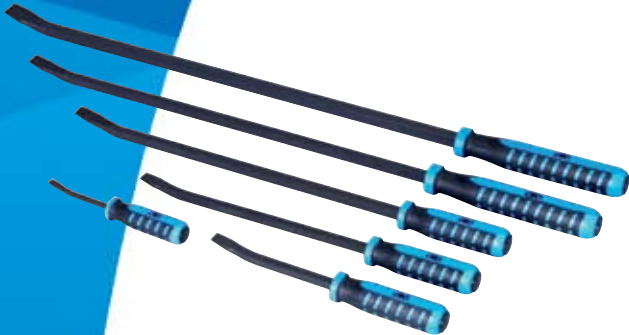


# GENERAL PURPOSE TOOLS

## Prying Tools



8203



8206



8245



8245S

### Handled Pry Bars

Finally, a heavy-duty pry bar made of tempered square steel that you can hit without damaging the handle.

- Black chrome striking cap allows hitting the bar without damage to the handle.
- Ergonomic handle – dual durometer composite handle for user comfort; reduces hand fatigue.
- Polished tip with black oxide finish.
- Long-life finish resists rust and wear during use.
- OTC Marathon Lifetime Warranty.



**No. 8203** – 3-piece handled pry bar set in gray molded tray. Includes 12", 18", and 24" sizes. Wt., 3 lbs.

**No. 8206** – 6-piece handled pry bar set in gray molded tray. Includes 8", 12", 18", 24", 32" and 36" sizes. Wt., 6 lbs., 10 oz.

**No. 8208** – 8" handled pry bar. Wt., 8 oz.

**No. 8212** – 12" handled pry bar. Wt., 10 oz.

**No. 8218** – 18" handled pry bar. Wt., 1 lb.

**No. 8224** – 24" handled pry bar. Wt., 1 lbs., 4 oz.

**No. 8232** – 32" handled pry bar. Wt., 1 lbs., 12 oz.

**No. 8236** – 36" handled pry bar. Wt., 2 lbs., 2 oz.

**No. 8245** – 45" handled pry bar. Wt., 5 lbs.

**No. 8245S** – 45" handled pry bar with straight blade. Wt., 5 lbs.

### Jimmy Bars

We've forged these bars from chrome alloy steel, then heat-treated them to resist bending and breaking.

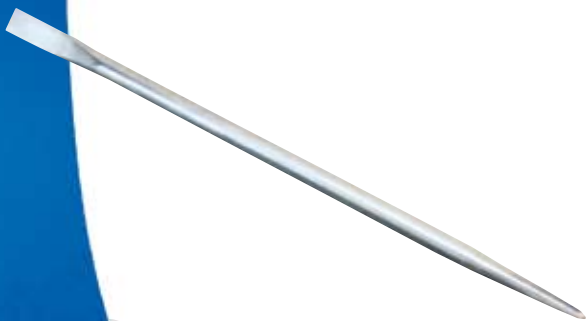
**No. 7166** – 5/8" diameter, 18" long. Wt., 1 lb., 8 oz.

**No. 7167** – 3/4" diameter, 24" long. Wt., 2 lbs., 10 oz.

**No. 7168** – 7/8" diameter, 30" long. Wt., 4 lbs., 7 oz.

**No. 7420** – 7/8" diameter, 46" long. Wt., 8 lbs.

**No. 7421** – 1" diameter, 54" long. Wt., 11 lbs., 3 oz.



# GENERAL PURPOSE TOOLS

## Pry Bars, Picks and Magnets

### Rolling Head Pry Bars

You'll have a lot of leverage using one of these rolling head pry bars. The long, tapered body will also serve as an aligning drift.

- No. 7162 – Pry bar; 6" long. Wt., 3 oz.
- No. 7163 – Pry bar; 12" long. Wt., 10 oz.
- No. 7164 – Pry bar; 16" long. Wt., 1 lb., 8 oz.
- No. 7165 – Pry bar; 18" long. Wt., 2 lbs., 7 oz.



### Pry Pac

Three pry bars in one economical pack. You get 12" and 18" rolling head pry bars and a 24" jimmy bar.

- Heat-treated chrome alloy steel.
- No. 7171 – Pry pac. Wt., 6 lbs., 13 oz.



7171

### Mini Pick and Hook Set – 4-Piece

- Sturdy stainless steel points and shafts designed for marking, removing o-rings, accessing snap rings, and performing other tasks. Assorted angle tips allow you to reach awkward locations.
- Knurled shaft design enhances finger control for delicate jobs.

No. 4515 – Mini pick and hook set. Wt., 5 oz.



4515

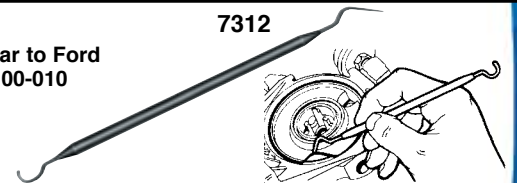
### O-Ring / Oil Seal Pick

Here's an extremely handy tool that makes quick work of oil seal and o-ring removal and installation.

No. 7312 – O-ring/oil seal pick. Wt., 2 oz.

Similar to Ford  
No. 100-010

7312



### O-Ring / Oil Seal Pick Set

Fishing a stubborn o-ring or oil seal out of its seat is easy if you have this pair of picks in your toolbox.

No. 7103 – O-ring/oil seal pick set. Wt., 7 oz.



7103

### Mirror and Magnet Set

- Handles telescope from 6-1/2" to 25". Swivel heads allow access to tight areas.
- Large, rectangular swivel mirror is 2" x 3-1/2", and is attached to one telescoping handle; small mirror is 1-1/4" in diameter, and is interchangeable with magnets on the other handle.
- Magnets can lift up to 8 lbs.

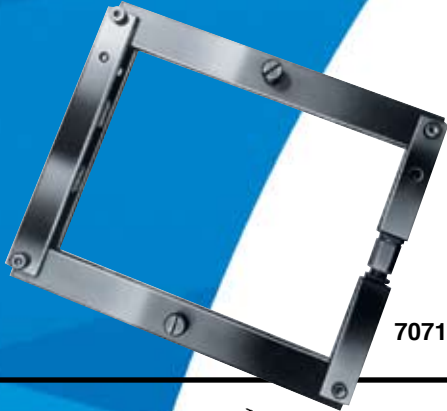
No. 4650 – Mirror and magnet set. Wt., 13 oz.



4650

# GENERAL PURPOSE TOOLS

## Misc. Tools

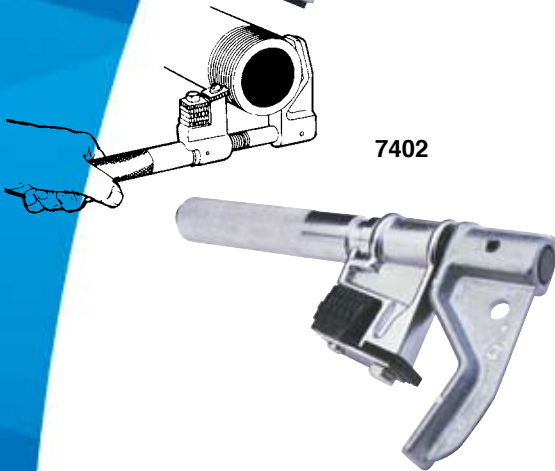
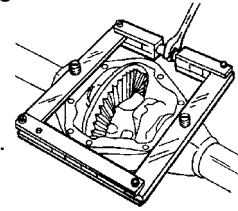


7071

### Differential Housing Spreader

Here's a tool that eases the job of removing or installing differential ring-gear assemblies on Dana axle models 30 through 70. It's a heavy-duty device using mechanical screw power to spread the housing. It helps prevent the component damage that often results from the use of homemade devices.

**No. 7071** – Differential housing spreader. Wt., 34 lbs.



7402

### Universal Outside Thread Chaser

Damaged bolt or nut threads can be an annoying, costly problem—unless you have one of our thread chasers. It will quickly restore threads to near original condition without the use of expensive thread-cutting equipment.

- Replaceable V-pads and dies.
- 1-1/4" to 5" O.D.

**No. 7402** – Thread chaser with 6 dies: threads per inch - 4, 5, 6, 7, 7-1/2, 8, 9, 10, 11, 11-1/2, 12, 14, 16, 18, 20, and 24. Wt., 2 lbs., 13 oz.

**No. 216884** – Standard die set. Includes 6 dies, in the sizes listed above. Wt., 3 oz.

**No. 202817** – Metric die set. Includes three dies: 1 mm-1.25 mm-1.5 mm-1.75 mm, 2 mm-2.5 mm-3.0 mm-3.5 mm; 4 mm pitch dies. Wt., 3 oz.

**No. 206803** – V-pad. Wt., 10 oz.

OTC No.	Size	Fits Set Screws	Fits HH Cap Screws
7345*	1/16"	6	—
7346*	5/64"	8	—
7347*	3/32"	10 & 12	—
7348*	1/8"	1/4"	8
7349*	5/32"	5/16"	10
7350*	3/16"	3/8"	1/4"
7351*	7/32"	7/16"	5/16"
7352*	1/4"	1/2"	3/8"
7353*	5/16"	5/8"	3/8" & 7/16"
7354*	3/8"	3/4"	1/2"
7355†	7/16"	13/16"	9/16"
7356†	1/2"	7/8"	5/8"
7357†	9/16"	1" & 1-1/8"	3/4"
7358†	5/8"	1-1/4" & 1-3/8"	1"
7359†	3/4"	1-1/2"	1-1/8" & 1-1/4"
7360†	1"	1-3/4" & 2"	1-1/2"

\* Included in No. 7365 set.

† Available separately; not included in set.



7365

### Hex Key Wrenches

Allen head cap screws are everywhere, which makes a set of these wrenches a necessity.

- They're extra long for added leverage and accessibility.
- Meets ANSI specs.

**No. 7365** – Plastic pouch containing wrench Nos. 7345 through 7354. Wt., 15 oz.

7334



OTC No.	Size (mm)
7321*	1.5
7322*	2
7323*	2.5
7324*	3
7325*	4
7326*	5
7327*	6
7328*	8
7329*	10
7330†	12
7331†	14
7332†	17
7333†	19

\* Included in No. 7334 set.

† Available separately; not included in set.

### Metric Hex Key Wrench Set

These long-arm hex key wrenches provide added leverage and accessibility.

- Rust-resistant black oxide finish.
- There are 9 sizes, from 1.5 mm to 10 mm.
- Available separately: 12 mm, 14 mm, 17 mm, and 19 mm.

**No. 7334** – Metric hex key set in plastic pouch. Sizes: 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, and 10 mm. Wt., 15 oz.

### Windshield Wiper Puller

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

**No. 4676** – Windshield wiper puller. Wt., 4 oz.



4676

### Metric/SAE T-Handle Motorcycle Kit

- 7-piece metric tool kit with ball point and hex key ends for motorcycles, autos, and diesel trucks contains adapters: 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm, 4.0 mm, 5.0 mm, 6.0 mm, and one driver handle/holder.
- 7-piece standard tool kit with ball point and hex key ends for motorcycles, autos, and diesel trucks contains adapters: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", and one driver handle/holder.
- Combines low-torque handle with key storage!

**No. 4710** – Metric/SAE T-handle motorcycle kit. Wt., 15 oz.

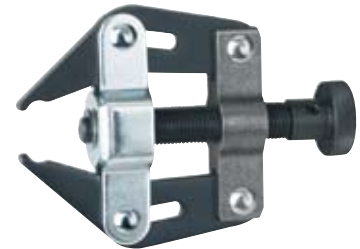


4710

### Motorcycle / ATV Chain Tension Puller

- Tool is designed to work on drive chains found on motorcycles and all-terrain vehicles (ATVs). Fits the following size chains: 428, 520, 525, 528, and 530.
- Tool jaws fit in chain link ends. Tightening the forcing screw pulls the jaws together to hold the chain for easy removal or installation of the chain connector or master link.

**No. 4758** – Motorcycle/ATV chain tension puller. Wt., 13 oz.



4758

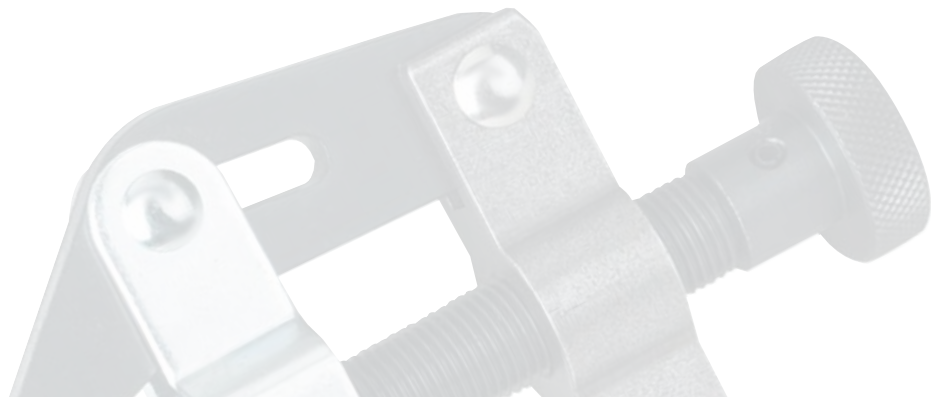
### Universal Pulley Holder

- Universal design fits many different size pulleys having slots or holes, such as camshaft pulleys or crankshaft pulleys.
- Wrench is adjustable from 1-1/2" to 8-5/8"; four different size step pins are interchangeable.
- Long handle enables technician to easily hold the pulley when tightening or loosening retaining bolts.

**No. 4754** – Universal pulley holder. Wt., 4 lbs., 15 oz.



4754



# GENERAL PURPOSE TOOLS

## Pullers & Wrenches



### Heavy-Duty Wiper Arm Puller

- Designed to remove aluminum wiper arm from the steel stud that often galvanizes, locking the arm and stud together.
- Investment cast design is strong, easier to use, and saves time.
- Live center and more precise alignment save labor. Works on these and many other vehicles: Jeep Liberty, Grand Cherokee, Dodge Caravan, Stratus, Ram Diesels, Dakota & PT Cruiser, Chrysler LHS, Town & Country, Saturn Vue Buick Rendevous, Cadillac CTS, Ford Focus, Ford Windstar, Honda Civic, Odyssey Toyota Camry.

**No. 6676** – Heavy-duty wiper arm puller. Wt., 12 oz.



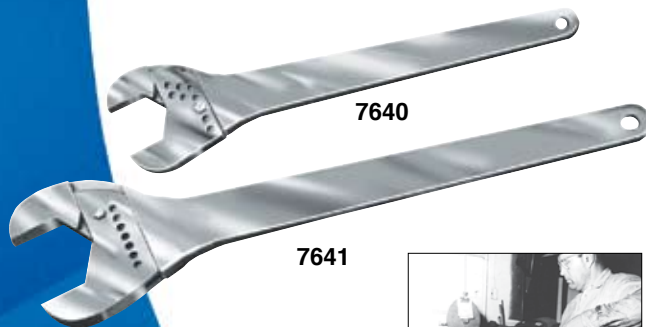
### Variable Pin Spanner Wrench

- Universal design fits many different types of pulleys having slots or holes, including camshaft pulleys and crankshaft pulleys.
- Wrench is adjustable from 1-1/4 inch to 5 inches; works with a 1/2 inch ratchet or breaker bar.

Replacement Parts:

- No. 526908-1** – 3.5 mm pin
- No. 526908-2** – 4 mm pin
- No. 526908-3** – 4.5 mm pin
- No. 526908-4** – 5 mm pin
- No. 526908-5** – 6 mm pin
- No. 526908-6** – 7 mm pin
- No. 526908-7** – 10 mm pin
- No. 526908-8** – Handle

**No. 6613** – Variable pin spanner wrench. Wt., 2 lbs.



### Giant Adjustable Wrenches

The really big jobs call for really big tools. These wrenches will handle 42 bolt sizes from 1-3/8" to 4-3/4". Together, both wrenches weigh just 41 lbs., but can replace over 1,000 lbs. of fixed-size wrenches.

**No. 7640** – Giant adjustable wrench. Rated to withstand 2,000 ft. lbs. of torque. Wt., 10 lbs. 10 oz.

**No. 7641** – Giant adjustable wrench. Rated to withstand 5,000 ft. lbs. of torque. Wt., 30 lbs. 5 oz.



Fed. Spec.: GG-W-631B

Order No.	Nut / Bolt Size	Increments of Jaw Adjustment	Lgth.	Head Thickness	Wt. (lbs.)
7640	1-3/8" to 2-7/8"	1/8"	24"	7/8"	10.6
7641	2-3/4" to 4-3/4"	1/8"	36"	1-1/8"	30.3

# GENERAL PURPOSE TOOLS

## Spanner Wrenches & Stud Remover

### Adjustable Spanner Wrench

This tool is ideal for adjusting pillow block bearings. It also works well on International model "M" water pumps and on all International power-takeoff units.

- This wrench adjusts from 1/2" to 2-3/4".

**No. 7246** – Adjustable spanner wrench. 9-1/4" long. Wt., 11 oz.



### Adjustable Hook Spanner Wrench

Here's a tool that's needed wherever turret adjusting nuts or packing gland nuts are used.

- Capacity is 1-1/2" to 4".
- Handle is 24" long, 11/16" diameter.

**No. 885** – Adjustable hook spanner wrench. Wt., 3 lbs., 2 oz.

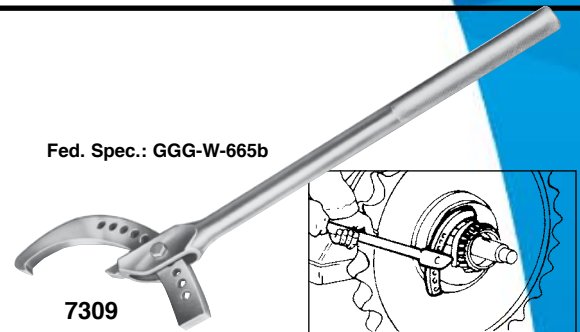


### Heavy-Duty Adjustable Hook Spanner Wrench

Some jobs require beefier tools. Here's a wrench to fill that need. It's drop-forged and features extra heavy construction and a 3/4" thick, 11-position hook jaw that's capable of gripping fasteners from 4-3/4" to 12-3/4" O.D.

- Handle is 25-3/4" long and 15/16" in diameter.

**No. 7309** – Heavy-duty adjustable hook spanner wrench. Wt., 13 lbs., 7 oz.



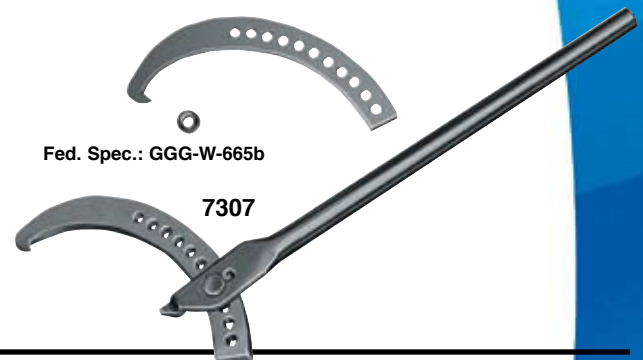
### Adjustable Hook Spanner Wrenches

These pieces will replace many fixed-size wrenches needed to service industrial tractors and other equipment. Their drop-forged jaws adjust to 11 positions for a capacity of 4-3/4" to 12-3/4" O.D.

- Handle is 24" long and 1" in diameter.

**No. 7307** – Spanner wrench with one 3/8" thick jaw. Wt., 5 lbs., 15 oz.

**No. 7308** – Spanner wrench with two interchangeable jaws: one 3/8" thick, one 3/4" thick. Wt., 11 lbs., 7 oz.



### Stud Remover Sets

These metric and SAE, 4-piece, stud remover sets offer the best professional extractors available. Designed and tested to reach studs in difficult work areas.

- Housed in a blow-molded storage case.

**No. 6986-1** – 1/4" stud remover    **No. 6986-2** – 5/16" stud remover

**No. 6986-3** – 3/8" stud remover    **No. 6986-4** – 7/16" stud remover

**No. 6986** – SAE stud remover set. 3/8" drive for 1/4" and 5/16" stud sizes, and 1/2" drive for 3/8" and 7/16" stud sizes. Wt., 1 lb., 2 oz.

**No. 6987-6** – 6 mm stud remover

**No. 6987-8** – 8 mm stud remover

**No. 6987-10** – 10 mm stud remover

**No. 6987-12** – 12 mm stud remover

**No. 6987** – Metric stud remover set. 3/8" drive for 6 mm and 8 mm stud sizes, and 1/2" drive for 10 mm & 12 mm stud sizes. Wt., 1 lb., 2 oz.



6987

# GENERAL PURPOSE TOOLS

## Drivers & Pullers



4507

### Bearing Race and Seal Driver Set (10 piece)

- This aluminum constructed set permits installation of tapered bearing races and seals without damage to the component or housing.
- Tapered side of driver is used to install races. Invert the driver to the flat side to install seals.
- Set is housed in a blow-molded plastic storage case.
- Includes driver handle with bolt, plus these tool sizes: 1.565", 1.750", 1.965", 2.325", 2.470", 2.555", 2.830", 2.995", and 3.180".

**No. 4507** – Bearing race and seal driver set (10 piece).  
Wt., 4 lbs., 2 oz.

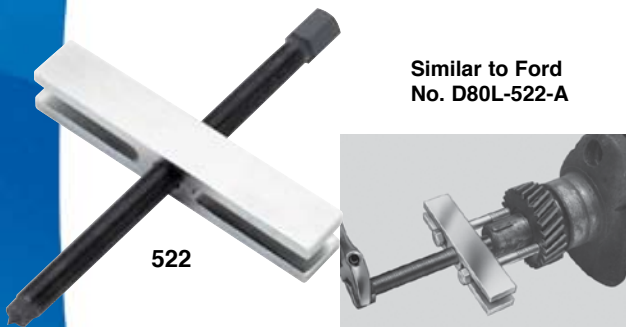


4407

### Metric Bushing Driver Set

- 14-piece tool kit for motorcycles, Asian and European vehicles contains adapters: 10-12 mm, 14-16 mm, 15-17 mm, 16-18 mm, 18-20 mm, 20-22 mm, 22-24 mm, 25-27 mm, 28-30 mm, 30-34 mm, 32-36 mm, 35-40 mm, 38-42 mm; one small driver handle; one medium driver handle; one large driver handle.
- Aluminum construction won't mar the bushing or affect bushing tolerance, which is critical for efficient operation of the engine, transmission, and hubs.

**No. 4407** – Metric bushing driver set. Wt., 2 lbs.



Similar to Ford  
No. D80L-522-A

522

### Large Gear and Pulley Puller

Using this tool, you can easily remove a wide range of gears, pulleys, or other parts that have tapped holes.

- The puller will spread from 2" to 7-3/4". Its block is 8-1/4" wide, and its forcing screw is 3/4"-16 x 11-5/8" long.
- Accommodates any cap screws up to 1/2" diameter.

**No. 522** – Large gear and pulley puller. Wt., 4 lbs., 8 oz.



7393

7392

### Gear and Pulley Pullers

These tools are perfect for removing timing gears, fan pulleys, harmonic balancers, and many other parts having tapped holes.

- Each puller will spread from 1-1/2" to 4-1/4". The puller blocks are 4-7/8" wide.
- Both include two hex head cap screws, 3/8"-16 x 3" long.

**No. 7392** – Puller with 13" long screw.  
Wt., 2 lbs., 4 oz.

**No. 7393** – Puller with 5-1/2" long screw.  
Wt., 1 lb., 8 oz.



# GENERAL PURPOSE TOOLS

## Drivers & Filter Wrench

### “Custom-made” Driver Tools

Now you can have the proper-size driver for nearly any automotive seal, bearing, or bushing installation job. These sets include discs and handles, spacers and drivers.

- Discs range from 1/2" to 4-1/2" in diameter, in 1/16" increments.

**No. 27793** – Starter set. Includes a handle and discs (5/8" to 2" diameter) specially selected to provide the driver sizes usually needed in automotive service. Includes plastic storage box. Wt., 4 lbs., 2 oz.

**No. 27794** – Basic set. Includes two handle sizes and 41 discs, ranging from 1/2" to 3" diameter along with plastic storage box and insert. Wt., 22 lbs., 13 oz.

**No. 27795** – Big-job set for servicing large components. Includes a handle and 24 discs, ranging from 3-1/16" to 4-1/2" diameter. Wt., 48 lbs., 3 oz.

**No. 27796** – Intermediate set. Includes a handle and 25 discs, ranging from 2" to 3-1/2" diameter. Wt., 27 lbs., 7 oz.

**No. 27797** – Master set. Includes three handle sizes and 65 discs, ranging from 1/2" to 4-1/2" diameter. Wt., 80 lbs.

**No. 27810** – Tool organizer board for holding all components in No. 27797 master set. Wt., 6 lbs., 13 oz.

No.	Description	No.	Description	No.	Description
10012*	Cap Screw	27507*	Disc, 1-1/2" dia.	27532	Disc, 3-1/16" dia.
10020*	Cap Screw	27508	Disc, 1-9/16" dia.	27533	Disc, 3-1/8" dia.
10854*	Cap Screw	27509*	Disc, 1-5/8" dia.	27534	Disc, 3-3/16" dia.
10855*	Cap Screw	27510	Disc, 1-11/16" dia.	27535	Disc, 3-1/4" dia.
12001*	Cap Screw	27511*	Disc, 1-3/4" dia.	27536	Disc, 3-5/16" dia.
27487*	Small Handle	27512	Disc, 1-13/16" dia.	27537	Disc, 3-3/8" dia.
27488	Medium Handle	27513*	Disc, 1-7/8" dia.	27538	Disc, 3-7/16" dia.
27489	Large Handle	27514	Disc, 1-15/16" dia.	27539	Disc, 3-1/2" dia.
27490	Extension Tube	27515*	Disc, 2" dia.	27540	Disc, 3-9/16" dia.
27491	Disc, 1/2" dia.	27516	Disc, 2-1/16" dia.	27541	Disc, 3-5/8" dia.
27492	Disc, 9/16" dia.	27517	Disc, 2-1/8" dia.	27542	Disc, 3-11/16" dia.
27493*	Disc, 5/8" dia.	27518	Disc, 2-3/16" dia.	27543	Disc, 3-3/4" dia.
27494	Disc, 11/16" dia.	27519	Disc, 2-1/4" dia.	27544	Disc, 3-13/16" dia.
27495*	Disc, 3/4" dia.	27520	Disc, 25/16" dia.	27545	Disc, 3-7/8" dia.
27496	Disc, 13/16" dia.	27521	Disc, 2-3/8" dia.	27546	Disc, 3-15/16" dia.
27497*	Disc, 7/8" dia.	27522	Disc, 2-7/16" dia.	27547	Disc, 4" dia.
27498	Disc, 15/16" dia.	27523	Disc, 2-1/2" dia.	27548	Disc, 4-1/16" dia.
27499*	Disc, 1" dia.	27524	Disc, 2-9/16" dia.	27549	Disc, 4-1/8" dia.
27500	Disc, 1-1/16" dia.	27525	Disc, 2-5/8" dia.	27550	Disc, 4-3/16" dia.
27501*	Disc, 1-1/8" dia.	27526	Disc, 2-11/16" dia.	27551	Disc, 4-1/4" dia.
27502	Disc, 1-3/16" dia.	27527	Disc, 2-3/4" dia.	27552	Disc, 4-5/16" dia.
27503*	Disc, 1-1/4" dia.	27528	Disc, 2-13/16" dia.	27553	Disc, 4-3/8" dia.
27504	Disc, 1-5/16" dia.	27529	Disc, 2-7/8" dia.	27554	Disc, 4-7/16" dia.
27505*	Disc, 1-3/8" dia.	27530	Disc, 2-15/16" dia.	27555	Disc, 4-1/2" dia.
27506	Disc, 1-7/16" dia.	27531	Disc, 3" dia.	7350*	Allen Wrench

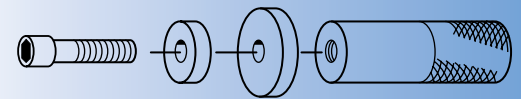
NOTE: All discs are 1/2" thick. \* Included in set No. 27793.



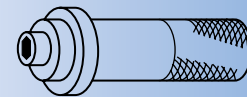
Starter Set  
No. 27793

It's this easy...

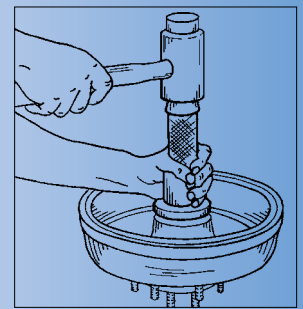
1. Select the proper size components...



2. Assemble your driver tool...



3. Perform the job easily.



### GM Oil Filter Wrench

Applications: 1999–2002 Olds Intrigue and 2001–2002 Olds Aurora with 3.5L V6 engine.

- This is a required tool to remove the oil filter cap from the oil pan to access the filter cartridge.

**No. 6901** – GM oil filter wrench (74mm, 15 flutes). Wt., 9 oz.

Similar to  
Kent-Moore  
No. J-29142.



6901

# GENERAL PURPOSE TOOLS

## Filter Sockets and Wrenches



6903

### Ford/Mazda 2.3L Oil Socket

- Oil socket designed at 76.5 mm to fit new 2.3L 4-cylinder engines.
- Works on Mazda 3, Mazda 5, Mazda 6, Ford Fusion, & Mercury Milan 2.3L 4-cylinder engines.

**No. 6903** – Ford/Mazda 2.3L oil socket. Wt., 4 oz.

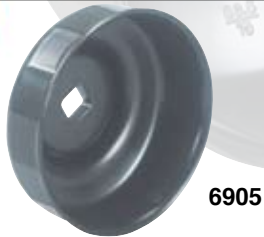


6904

### Hyundai / Kia 3.3L V6 Oil Socket

- Works on 2006 Hyundai Sonata 3.3L V6 engine and soon to be released new models of Hyundai and Kia.
- Oil socket designed at 88.22mm to fit new 3.3L 6-cylinder engines.

**No. 6904** – Hyundai / Kia 3.3L V6 oil socket. Wt., 4 oz.



6905

### Subaru Oil Filter Socket

- Works on 2003–newer Subaru vehicles having the 2.5L, 4-cylinder, turbo engine.
- Socket fits between the exhaust manifold and the oil filter for easy removal and installation of the filter.

**No. 6905** – Subaru oil filter socket. Wt., 4 oz.



6784

### Euro/GM Oil Socket Kit

Popular oil filter wrenches for the GM, BMW, Audi, and VW. High quality, 3/8" drive, forged sockets designed to last a lifetime.

3-piece oil socket kit contains:

- 27 mm socket for the Cadillac STS 3.2L V6 and the Mercedes-Benz 1.8L I4.
- 32 mm socket for the 2.2L GM Ecotec and Saabs.
- 36 mm for the BMW M52, M60, M62, M70, & M73 engines; M-B OM604, 605, & 606 engines; VW/Audi VR6 engine.

**No. 6784** – Euro/GM oil socket kit. Wt., 1 lbs., 5 oz.



4555

### Heavy-Duty Oil Filter Wrenches

- Fit filters ranging from 4-1/8" to 5-21/32" (104 mm to 144 mm) in diameter.
- Feature a 1-1/2" wide steel band that can stand up to the high torque needed to remove filters from trucks, tractors, and other heavy equipment.
- Use with a 1/2" drive ratchet or breaker bar.

**No. 4555** – Heavy-duty oil filter wrench. Fits filters ranging from 4-1/8" to 4-21/32" (104 mm to 118 mm) in diameter. Wt., 1 lb., 6 oz.

**No. 4556** – Heavy-duty oil filter wrench. Fits filters ranging from 4-21/32" to 5-5/32" (118 mm to 131 mm) in diameter. Wt., 1 lb., 6 oz.

**No. 4557** – Heavy-duty oil filter wrench. Fits filters ranging from 5-5/32" to 5-21/32" (131 mm to 144 mm) in diameter. Wt., 1 lb. 7 oz.



4556



4557

### Swivel Handle Oil Filter Wrenches

- Fit filters ranging from 2-7/8" to 4-3/8" (73 mm to 111 mm) in diameter.
- Feature a 1" wide stainless steel band for positive grip on the filter; swivel handle makes it easy to turn filters in hard-to-reach areas.

**No. 4565** – Swivel handle oil filter wrench. Fits filters ranging from 2-7/8" to 3-3/8" (73 mm to 85 mm) in diameter. Wt., 13 oz.

**No. 4566** – Swivel handle oil filter wrench. Fits filters ranging from 3-3/8" to 3-3/4" (85 mm to 95 mm) in diameter. Wt., 13 oz.

**No. 4567** – Swivel handle oil filter wrench. Fits filters ranging from 3-3/4" to 4-3/8" (95 mm to 111 mm) in diameter. Wt., 13 oz.



### Adjustable Oil Filter Pliers

- Forged jaws with sure-grip teeth grab the filter for easy removal.
- Slip-joint ratchet and lock mechanism allows a secure grip on filter diameters of 2-1/4" to 7" (57 mm to 178 mm).

**No. 4560** – Small adjustable oil filter pliers. Pliers is 13-1/2" long; fits filters ranging from 2-1/4" to 5" (57 mm to 127 mm) in diameter. Wt., 1 lb., 3 oz.

**No. 4561** – Large adjustable oil filter pliers. Pliers is 18" long; fits filters ranging from 3-3/4" to 7" (95 mm to 178 mm) in diameter. Wt., 3 lbs., 4 oz.

**No. 4562** – Adjustable oil filter pliers set. Includes small pliers: 13-1/2" long and fits filters ranging from 2-1/4" to 5" (57 mm to 127 mm) in diameter. Large pliers: 18" long and fits filters ranging from 3-3/4" to 7" (95 mm to 178 mm) in diameter. Wt., 4 lbs., 7 oz.



### 3-Leg Oil Filter Wrench

- Fits filters ranging from 2-1/2" to 5-1/4" (65 mm to 135 mm) in diameter.
- To turn the tool, use a 1/2" ratchet in the ratchet drive or a 13/16" wrench on the nut.
- Knurled legs provide extra gripping power.

**No. 4568** – 3-Leg oil filter wrench. Wt., 1 lb., 6 oz.



### Universal Filter Wrench

This filter wrench will stand up to the job of removing nearly any spin-on filter (up to 6"). Universal design permits use on most vehicles. The tough 2" wide nylon strap holds firmly. In fact, the more leverage applied, the tighter it grips.

- Accommodates a 3/8" drive ratchet.

**No. 7062A** – Universal filter wrench. Wt., 10 oz.

Similar to Ford  
No. D79L-6731-A

7062A



# GENERAL PURPOSE TOOLS

## Strap & Chain Wrenches



### Grooved Pulley Strap Wrench

- Use to hold a grooved pulley when servicing alternators, water pumps, power steering pumps, etc. Also may be used to rotate the camshaft or crankshaft for engine service.
- Holds tighter than a standard strap wrench.

**No. 4475** – Grooved pulley strap wrench. Wt., 10 oz.



### Multipurpose Strap Wrench

You'll find many uses for this heavy-duty strap wrench. The 53" long nylon strap won't mar precision surfaces of shafts, pulleys, or other components. It's especially useful on small engine pulleys. Special head design self-tightens the strap as force is applied.

- Lightweight, with 12" long handle.

**No. 7206** – Strap wrench. Wt., 1 lb.

**No. 305085** – Replacement strap. Wt., 1 oz.



### Ratcheting Chain Wrench – 12"

- Works on many different-shaped objects, such as square, round, hexagon, oval, etc.
- Handle is 12" long; chain grips objects ranging from 1/2" to 4-1/2" O.D.

**No. 6968** – Ratcheting chain wrench – 12". Wt., 2 lb., 8 oz.

**No. 516941** – Replacement chain for 6968. Wt., 10 oz.



### Ratcheting Chain Wrench – 24"

- Ratcheting action makes it possible to re-grip without removing wrench.
- Handles parts of most any shape... round, square, hexagon, or octagon.
- Handle is 24" long; chain grips objects ranging from 3" to 6-1/2" O.D.

**No. 6969** – Ratcheting chain wrench – 24".

Wt., 4 lb., 8 oz.

**No. 516942** – Replacement chain for 6969. Wt., 13 oz.



### Ratcheting Chain Wrenches

This multi-purpose tool will grip parts of nearly any shape. It features a ratcheting head design that lets you turn in either direction without removing wrench from the work.

**No. 7400** – Chain wrench, 13" handle with capacity from 1/2" to 4-3/4" O.D.

Wt., 2 lbs., 5 oz.

**No. 7401** – Chain wrench, 19" handle with capacity from 3" to 6-3/4" O.D.

Wt., 5 lbs., 3 oz.

**No. 209199** – Replacement chain for 7400.

Wt., 12 oz.

**No. 209200** – Replacement chain for 7401.

Wt., 1 lb., 13 oz.

### Body and Fender Dent Puller

Often, the biggest time-consuming part of dent removal is the removal and installation of interior panels and upholstery. This tool eliminates those steps. Simply drill a hole at the base of the dent and thread in the tool's self-tapping screw. A few sharp blows of the slide hammer will pull the dent out.

- Puller is 17" long with Pyralin handle grip.
- Replaceable self-tapping screw. Instructions included.

**No. 898A** – Body and fender dent puller. Wt., 2 lbs., 8 oz.

**No. 104427** – Replacement screw. Wt., 2 oz.



### Professional Style Seal Puller

- Designed to remove oil and grease seals when servicing cars, SUVs, and light trucks without damaging the housing or bearing.
- Hook tips in two sizes and professional handle design allows removal of hard-to-get-at seals by getting under them.
- The tool is 12" long and the hook tip is double-secured (versus competitors' designs), for durability.
- An extra blade is included, and additional replacements (No. 4508-1) may be ordered.

**No. 4508** – Professional style seal puller. Wt., 1 lb.

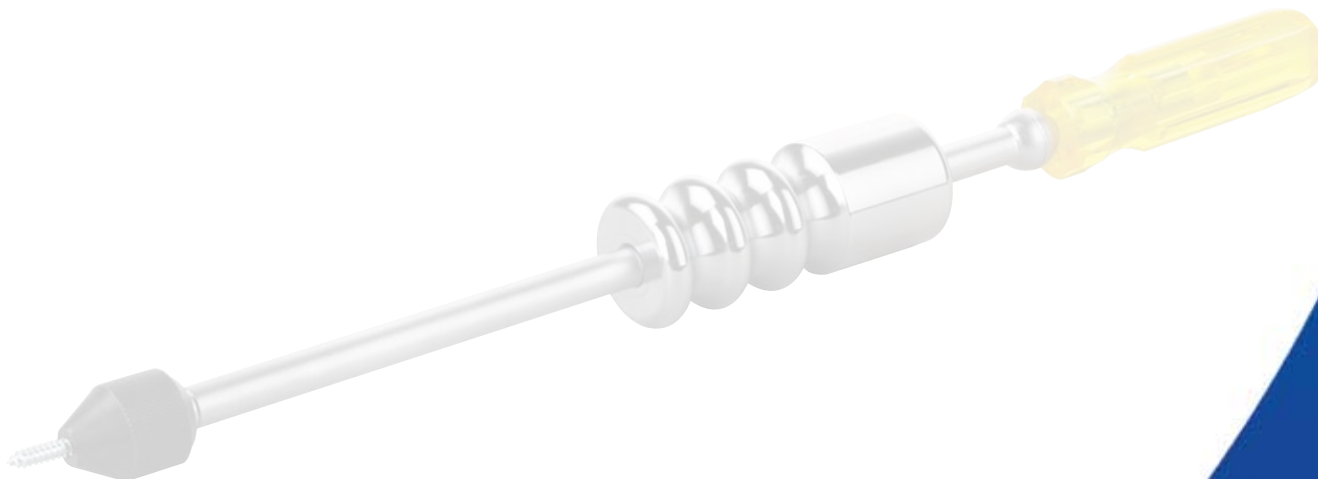
**No. 4508-1** – Replacement blade for 4508. Wt., 4 oz.



### Mechanic's Stethoscope

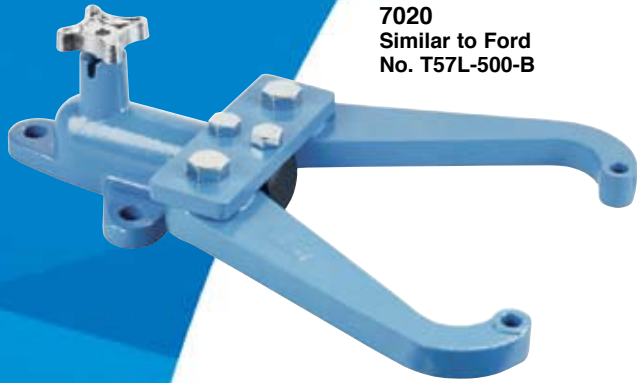
- Quick and accurate way to locate vehicle noise.
- Spring diaphragm on end of hose amplifies noise.
- Includes two hose ends: long rod helps pinpoint noises in hard-to-access areas; short adapter helps locate noise in a broader area of the vehicle.

**No. 4491** – Mechanic's stethoscope. Wt., 8 oz.



# GENERAL PURPOSE TOOLS

## Holding Fixture



**7020**  
Similar to Ford  
No. T57L-500-B

### Bench-Mounted Holding Fixture

Here's a helpful device that enables you to securely hold and rotate small engines, transmissions, and other components while you're working on them.

- This holding fixture will handle pieces weighing up to 250 lbs., and it offers 360° of rotation with positive stops at 90° increments.
- Three sides of the mounted unit remain fully exposed.

**No. 7020** – Bench fixture.

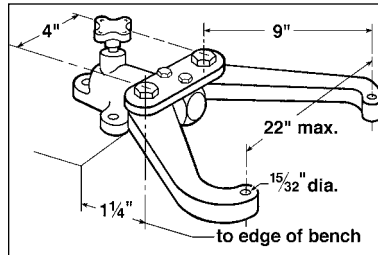
Wt., 10 lbs., 13 oz.

**No. 34607** – Base assembly only.

Wt., 2 lbs., 8 oz.



**34607**  
Similar to Ford  
No. D83L-500-B1



**7118**

### Transmission Adapter Kit

Converts your OTC engine stand into a transmission service stand.

- Kit replaces the adjustable arms of the stand to hold and position the transmission at workbench height for repair.
- The transmission is held with three sides fully exposed for working convenience, and can be rotated a full 360° for complete access to all parts.
- Comes complete with mounting hardware. Adapter is for use on No. 1726 and No. 1735 engine stands.

**No. 7118** – Transmission adapter kit.

Wt., 10 lbs., 5 oz.

