PONTRIBULTION Serious Tools For Serious Work®



AUTOMOTIVE SPECIALTY TOOLS





Fuel & Ignition



A Serious Specialty **Tool Program**

Get serious about specialty tool sales and profits.

Step up to Alltrade's complete, high-quality program featuring Powerbuilt® Serious Tools for Serious Work™ and the industry's most innovative packaging system.

Brought to you by Alltrade.





Engine &



General

POWERBUILT POWERBUILT

CONTENTS

Brakes	2
Steering & Suspension	1 2
Engine & Drivetrain	2 3
Disconnect Tools	3 9
Fuel & Ignition	4 4
General	5 5
Lubrication	9 3
Consumer Service Kits	105
Installer Kits	107

Indexes

135

Merchandisers

Complete Merchandising Solutions

Create a complete specialty tool department with ease. Alltrade offers turnkey merchandising solutions featuring best-selling products and dynamic, flexible merchandisers.

Spinner Merchandisers

This round merchandising rack can be moved to the best location with ease, thanks to heavy duty casters. Includes product, display with signage, display hooks and reorder reminder cards.*

*Ask your Alltrade sales manager about product selection details and availability.



Automotive



Linear merchandisers are available in 4 ft. or 8 ft. versions. Display unit can be placed on a base deck or directly on the floor, either side-by-side or back-to-back. Includes product, display with signage, display hooks and reorder reminder cards.*

^{*}Ask your Alltrade sales manager about product selection details and availability.



Brake Return Spring Tool





For removing and installing return springs on brakes where the return spring hooks over a post. Includes shoehorn end and socket end to remove/install Bendix style brake shoe return springs easily.

Universal Brake Spring Compressor

Item#	UPC Code	Case Pack	Shelf Pack	
648592	028907-103600	96	6	



For removing and installing brake shoe retaining spring washers up to 7/8" in diameter. Fluted socket grips retaining washer when tool is pushed in and turned.

Brake Return Spring Tool for Small Cars

Item#	UPC Code	Case Pack	Shelf Pack
940383	028907-313368	108	6



For removing and installing return springs 5/8" to 11/16" diameter on small car drum brakes. Special small socket fits into tight places and grips retainer washer. Used in late model cars and light trucks.

Brake Return Spring Pliers

Item#	UPC Code	Case Pack	Shelf Pack
648404	028907-101705	48	6



3 in 1 tool includes the tools to 1) remove brake shoe return springs, 2) install drum style return springs and 3) remove and install automatic adjuster springs.

Starwheel Adjuster Spoon

Item#	UPC Code	Case Pack	Shelf Pack
648405	028907-101712	36	6



For adjusting clearance between brake shoes and drum. Rotates brake starwheel adjuster through a hole in backing plate. 2 different heads. 7" overall length.



Item#	UPC Code	Case Pack	Shelf Pack
648413	028907-101798	96	6

For removing the rear wheel cylinder retainer on GM X and J body cars. Releases the spring clip retainer that attaches the rear brake cylinder to backing plate.

Brake Cylinder Retainer Remover



Item#	UPC Code	Case Pack	Shelf Pack
640579	028907-241845	6	6

Includes tools and step-by-step instructions for basic drum brake maintenance. Kit includes: 2 return spring tools; starwheel adjuster spoon; 3 retaining spring tools. Durable plastic storage case.



7 Pc Drum Brake Repair Kit

 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940382
 028907-313344
 60
 6

For removing surface rust on brake rotors and lug studs as well as any other metal surfaces.

Brake Rotor Surfacing Kit



Item#	UPC Code	Case Pack	Shelf Pack
640592	028907-242200	6	1

Includes tools and step-by-step instructions for basic disc brake maintenance. Kit includes: disc brake pad spreader tool; 6 hex bits: 1/4", 5/16", 3/8", 7mm, 8mm, 10mm; 3 Torx® bits: T-40, T-45, T-50; 3/8" Dr. bit driver adapter. Durable plastic storage case.

Torx[®] is a Registered Trademark of TEXTRON INC., Bits are not Torx[®] brand products.





12 Pc Disc Brake Repair Set

Item# UPC Code Case Pack Shelf Pack 648685 028907-131320 24 6

Used to compress pistons back into calipers when installing new brake pads on any heavy duty dual or single piston brake caliper (applications such as Ford F and E series trucks and vans from 1973–1990). Swiveling nose pieces reduce piston cocking. Fine threaded screws for added torque.



Disc Brake Pad Spreader





Disc Brake Pad Spreader



Item#	UPC Code	Case Pack	Shelf Pack
648412	028907-101781	24	6

For use on most front brake calipers, and rear calipers on vehicles without automatically adjusting parking brake mechanism as part of the disc brake caliper. Spreader pushes on the inner pad and compresses the piston back into the bore, creating clearance for installation of new brake pads.

Disc Brake Pad Spreader



Item#	UPC Code	Case Pack	Shelf Pack
940611	028907-327464	72	6

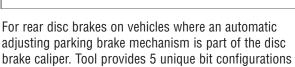
For use on most front brake calipers, and rear calipers on vehicles without automatically adjusting parking brake mechanism as part of the disc brake caliper. Spreader pushes on the inner pad and compresses the piston back into the bore, creating clearance for installation of new brake pads. For use on two or four piston calipers.

Disc Brake Piston Tool









Case Pack

144

Shelf Pack

6

UPC Code

028907-101767

Item#

648410

adjusting parking brake mechanism is part of the disc brake caliper. Tool provides 5 unique bit configurations to engage the caliper piston. Rotates piston back into the cylinder bore to allow installation of new brake pads without disturbing parking brake adjustment. Use with 3/8" Dr. tool.

GM-Ford Disc Brake Piston Tool



Item#	UPC Code	Case Pack	Shelf Pack
940403	028907-314051	144	6

For use on GM & Ford vehicles with rear disc brakes. Fits GM 1-7/8" & 2-1/8" caliper pistons and Ford vehicles 1987 thru current. Use with 3/8" Dr. tool.



Item#	UPC Code	Case Pack	Shelf Pack
940407	028907-314181	144	6

For rear disc brakes on vehicles where an automatic adjusting parking brake mechanism is part of the disc brake caliper. Rotates piston back into the cylinder bore to allow installation of new brake pads without disturbing parking brake adjustment. Use with 3/8" Dr. tool.

1-1/2" Rear Disc Brake Caliper Tool



Item#	UPC Code	Case Pack	Shelf Pack
940397	028907-313948	144	6

For rear disc brakes on vehicles where an automatic adjusting parking brake mechanism is part of the disc brake caliper. Rotates piston back into the cylinder bore to allow installation of new brake pads without disturbing parking brake adjustment. Use with 3/8" Dr. tool.

1-5/8" Rear Disc Brake Caliper Tool



Item#	UPC Code	Case Pack	Shelf Pack
940398	028907-313955	108	3

For rear disc brakes on vehicles where an automatic adjusting parking brake mechanism is part of the disc brake caliper. Rotates piston back into the cylinder bore to allow installation of new brake pads without disturbing parking brake adjustment. Use with 3/8" Dr. tool.

1-7/8" Rear Disc Brake Caliper Tool



Item#	UPC Code	Case Pack	Shelf Pack
940399	028907-313962	72	3

For rear disc brakes on vehicles where an automatic adjusting parking brake mechanism is part of the disc brake caliper. Rotates piston back into the cylinder bore to allow installation of new brake pads without disturbing parking brake adjustment. Use with 3/8" Dr. tool.

2-1/8" Rear Disc Brake Caliper Tool



Item#	UPC Code	Case Pack	Shelf Pack	
940400	028907-313979	72	3	

For rear disc brakes on vehicles where an automatic adjusting parking brake mechanism is part of the disc brake caliper. Rotates piston back into the cylinder bore to allow installation of new brake pads without disturbing parking brake adjustment. Use with 3/8" Dr. tool.

2-1/2" Rear Disc Brake Caliper Tool





GM Disc Brake Caliper Wrench



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648409	101750	3/8"	48	6

For reaching 3/8" hex socket caliper bolts commonly found on General Motors passenger cars.

8 Pc Disc Brake Caliper Socket Bit Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940569
 028907-322506
 48
 6

Set includes 1 each of the following sizes: 1/4", 5/16", 3/8", 8mm hex bit sockets, T-40, T-45, T-50, T-60 Torx® bit sockets.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

3 Pc 3/8" Dr. Brake Caliper Torx® Bit Set



Item#	UPC Code	Case Pack	Shelf Pack
648337	028907-241579	48	6

T-40, T-45, T-50. For removing caliper bolts on domestic and import vehicles.

 $\text{Torx}^{\text{\tiny{\$}}}$ is a Registered Trademark of TEXTRON INC., Bits are not $\text{Torx}^{\text{\tiny{\$}}}$ brand products.

4 Pc 6" Brake Caliper Torx® Bit Set



Item#	UPC Code	Case Pack	Shelf Pack
648888	028907-181349	36	6

3/8" Dr. T-40, T-45, T-47, T-50. For use on Torx® fasteners. 6 inch length.



Item#	UPC Code	Case Pack	Shelf Pack
647057	028907-271866	72	6

3/8", 8mm, 10mm. For removing hex caliper bolts on domestic and import vehicles.

3 Pc Hex Bit Set



Item#	UPC Code	Case Pack	Shelf Pack
647059	028907-271965	36	6

7/32", 1/4", 5/16", 3/8". For removing hex caliper bolts on domestic and import vehicles.

4 Pc SAE 4" Hex Bit Socket Set



Item#	UPC Code Case Pack		Shelf Pack
647060	028907-271972	36	6

6mm, 7mm, 8mm, 10mm. For removing hex caliper bolts on domestic and import vehicles.

4 Pc Metric 4" Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
641400	028907-053851	96	6

For removing hex caliper bolts on domestic and import vehicles.

3/8" Hex Bit Socket



Item#	UPC Code 028907-	Size	Case Pack	Shelf Pack
648799	167909	4"	24	6
648641	105314	6"	16	4

For many uses including compressing suspension parts, caliper pistons, etc.

Heavy Duty C-Clamp





Brake Bleeder - Master Kit



Item#	UPC Code	Case Pack	Shelf Pack
648591	028907-103594	72	6

For bleeding of all types of automotive hydraulic cylinders by one person. Features durable plastic bottle with magnetic clamp, tapered fittings that fit both bleed screws and master cylinder fittings, and 3 pieces of vinyl hose.

Brake Bleeder, One-Man



Item#	UPC Code	Case Pack	Shelf Pack
648400	028907-101668	144	6

For one-man brake bleeding operations. Fits most bleeder screws. One way valve allows fluid out but stops fluid and air from returning.

Brake Bleeder Wrenches



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648406	101729	1/4" x 3/8"	48	6
648407	101736	5/16" x 3/8"	48	6
647075	272740	7 x 9mm	48	6
648408	101743	8 x 10mm	48	6

Allows easy access to brake bleeder screws. Double ended offset wrench bleeds air from hydraulic cylinders. 6-1/2" overall length. Drop-forged, chrome-plated steel.

Deluxe Tube Bender



Item#	UPC Code	Case Pack	Shelf Pack	
648484	028907-102504	48	6	

For bending brass, copper, aluminum and brake line tubing up to 360°. Heavy duty tubing bender has four grooves for 3/16" (5 mm), 1/4" (6 mm), 5/16" (8 mm), and 3/8" (9 mm) tubing. Comfort grip handle.



Item#	UPC Code	Case Pack	Shelf Pack
648485	028907-102511	24	6

For bending brass, copper, aluminum and steel tubing up to 360°. Tubing bender pliers feature two interchangeable rollers. One roller accepts 3/16" and 1/4" tubing, the other accepts 5/16" and 3/8".

Deluxe Tube Bender Pliers



Item#	UPC Code	Case Pack	Shelf Pack
940443	028907-314990	144	6

For bending tubing up to 360° without kinking. Mandrel accepts tubing up to 5/16" (8 mm) outer diameter. Chrome plated.

Economy Tube Bender



UPC Code Case PackShelf Pack Item# 940648 028907-330747 24

Quickly creates double and single flares. Flares 3/16", 1/4", 5/16", 3/8" and 1/2" tubing up to .040" thick. Durable heat treated clamping bar and yoke assembly. 7 Pc Double Flaring Tool



UPC Code Item# Case Pack Shelf Pack 940385 028907-313481 24 6

For crack-free metric flares on soft steel tubing commonly used on automotive braking systems. Includes four metric dies: 4.375mm, 6mm, 8mm and 10 mm.

ISO "Bubble" Flaring Tool Set



Item# **UPC** Code Case Pack Shelf Pack 648487 028907-102535 24 6

For flaring commonly used sizes and types of tubing. Hinged, wing nut design. Ductile iron yoke, chrome plated die block and hardened cone. Tool produces a 45° flare. Diameters include 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8".

Flaring Tool





Deluxe Tubing Cutter



Item#	UPC Code	Case Pack	Shelf Pack
946560	028907-328652	36	6

Use with thin wall & stainless steel, aluminum, brass, and copper tubing. Cutting range: 1/8" thru 1-1/8" or 4mm thru 28mm.

Standard Tubing Cutter



Item# UPC Code Case Pack Shelf Pack 648462 028907-227905 36 6

Use with thin wall & stainless steel, aluminum, brass, and copper tubing. Cutting range: 1/8" thru 1-1/8" or 4mm thru 28mm.

Compact Tube Cutter



Item#	UPC Code	Case Pack	Shelf Pack
648486	028907-102528	144	6

Premium hardened alloy steel blade for cutting brass, copper, aluminum and steel tubing from 1/8" to 5/8" in diameter. Two-roller design to ensure clean edges. Knurled adjustment knob.

Brake Cylinder Hone 3 Arm 3/4" - 2-1/4"



Item#	UPC Code	Case Pack	Shelf Pack
648401	028907-101675	72	6

For cylinder bores of 3/4" to 2-1/4" diameter. Fits 3/8" Dr. power drills. Self-aligning and self-centering. Flexible shaft with adjustable tension for use on or off the car. Includes #220 medium grit stones, 1-1/8" length.

Brake Cylinder Hone 2 Arm 1/2" - 2-1/4"



Item#	UPC Code	Case Pack	Shelf Pack
648403	028907-101699	144	6

For cylinder bores of 1/2" to 2-1/4" diameter. Fits 3/8" Dr. power drills. Self-aligning and self-centering. Flexible shaft with adjustable tension for use on or off the car. Includes #220 medium grit stones, 1-1/8" length.



Item#	UPC Code	Case Pack	Shelf Pack
648631	028907-104324	72	6

For cylinder bores of 1-1/4" to 3-1/2" diameter. Fits 3/8" Dr. power drills. Self-aligning and self-centering. Flexible shaft with adjustable tension for use on or off the car. Includes #220 medium grit stones, 2" length (#220).

Disc Brake Cylinder Hone



Item#	UPC Code	Case Pack	Shelf Pack
648402	028907-101682	144	6

Set of three replacement stones for #648401. Medium grit (#220), 1-1/8" length.

Hone Stones for 648401



Item#	UPC Code	Case Pack	Shelf Pack
648638	028907-104867	144	6

Set of 2 replacement stones for #648403. Medium grit (#220), 1-1/8" length.

Hone Stones for 648403



Item#	UPC Code	Case Pack	Shelf Pack
648632	028907-104331	72	6

Set of 3 replacement stones for #648631. Medium grit (#220), 2" length.

Hone Stones for 648631



Item#	UPC Code	Case Pack	Shelf Pack
648534	028907-372679	30	30

Disc brake rotor micrometer with both SAE and metric readouts. Reads up to 6" scale. Includes plastic storage case.

Disc Brake Rotor Micrometer



Seal Installer Kit





Item#	UPC Code	Case Pack	Shelf Pack
648495	028907-102610	6	1

For quickly installing oil and grease seals without cocking or damage. Kit includes blow-mold storage case with hanger hole, knurled driver handle, backup plate and center bolt, and 16 adapters (sizes 1-16) for most common seals.

Seal Puller



Item#	UPC Code	Case Pack	Shelf Pack
648494	028907-102603	36	6

For removing oil and grease seals. Two hardened tip sizes. Comfort grip handle.

Adjustable Seal Puller



Item#	UPC Code	Case Pack	Shelf Pack
648582	648582 028907-374444		6

For removing oil and grease seals. Two hardened tip sizes. Comfort grip handle. Same as above seal puller except this item has an adjustable indexing head which allows the user to access the seal from different angles for easier application.

1/2" Dr. Axle Nut Sockets



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647076	272757	29mm	48	6
648469	102351	30mm	48	6
647077	272764	31mm	48	6
648470	102368	32mm	48	6
647078	272771	33mm	24	6
648471	102375	34mm	24	6
647079	272795	35mm	24	6
648472	102382	36mm	24	6
647080	272818	38mm	24	6

For easy removal of front wheel drive axle shaft nuts. Impact grade 6-point socket made from chrome molybdenum steel. Extra deep to fit various axle lengths.



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
940510	316291	30mm	48	12
940511	316307	32mm	48	10
940512	316314	36mm	24	12

For easy removal of front wheel drive axle shaft nuts. Impact grade 12-point socket made from chrome molybdenum steel. Extra deep to fit various axle lengths. Also for use on servicing some automatic transmission output shafts.

12 Pt Axle Nut Sockets



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647063	272061	2-3/8"	24	6

For removing and installing locknut sockets found on various domestic and import vehicles. Including 1993 thru current Ford Explorer, Ranger, and Bronco II with automatic hubs.

2-3/8" 6 Pt Wheel Bearing Locking
Nut Socket



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647064	272078	2-3/8"	24	6

For removing and installing locknut sockets found on various domestic and import vehicles. Including 1990 thru current Ford Explorer, Ranger, and Bronco II with automatic hubs.

2-3/8" 6 Pt Rounded Wheel Bearing Locking Nut Socket



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647065	272085	2-1/2"	24	6

For removing and installing locknut sockets found on various light duty trucks, and other domestic and import vehicles.

2-1/2" 6 Pt Wheel Bearing Locking
Nut Socket



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647066	272092	2-1/2"	24	6

For removing and installing locknut sockets found on various domestic and import vehicles. Including 1995 thru current Ford full size Broncos, and F-150's with automatic hubs.

2-1/2" 6 Pt Rounded Wheel Bearing Locking Nut Socket





2-9/16" 6 Pt Rounded Wheel Bearing Locking Nut Socket



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647067	272108	2-9/16"	24	6

For removing and installing locknut sockets found on various domestic and import vehicles. Including 1990 thru 1993 Dodge trucks equipped with Dana 60 manual hubs.

2-3/4" 6 Pt Rounded Wheel Bearing Locking Nut Socket



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647068	272115	2-3/4"	24	6

For removing and installing locknut sockets found on various domestic and import vehicles. Including 1995 thru current Ford F-250 and F-350 trucks with automatic hubs.

55mm 6 Pt Wheel Bearing Locking Nut Socket



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647069	272122	55mm	24	6

For removing and installing locknut sockets found on various domestic and import vehicles. Including Toyota FJ, LN, RN models with front adjusting nuts.

Spindle Nut Socket — 4 Outer





Item#	UPC Code	Case Pack	Shelf Pack
648473	028907-102399	24	6

For easy removal of spindle nuts. 4-lug, 2-3/8" outer diameter, 1/2" Dr.. Fits the following vehicles: Chevrolet/GMC: 1/2-ton Pickup, Blazer and Jimmy. Ford: Bronco, Bronco II, Ranger, Explorer 1/2- and 3/4-ton F-Series Pickup w/spline-type hub. International: 1100 series, Dodge: 1/2-ton Pickup and Ramcharger.

Spindle Nut Socket — 4 Inner



Item#	UPC Code	Case Pack	Shelf Pack
648474	028907-102405	24	6

For easy removal of spindle nuts. 4-lug, 2-1/4" inner diameter, 1/2" drive. Fits the following vehicles: Chevrolet/GMC: 1/2-ton Pickup, Blazer and Jimmy.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648475
 028907-102412
 24
 6

For easy removal of spindle nuts. 6-lug, 2-5/8" outer diameter, 1/2" Dr. Fits the following vehicles: 3/4 and 1-ton Ford Pickup and Bronco 1978 and newer. 3/4 and 1-ton GMC and Chevrolet Pickups 1973 and newer.

Spindle Nut Socket — 6 Outer



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940401
 028907-314006
 25
 3

For easy removal of spindle nuts. For use on: 1985 thru current 1/2 T Ford F-Series and full size Broncos with Dana 28 front axle, 1985-1/2 thru current F-250, & F-350 4wd, Dana IFS and Model 60 with monobeam outer adjusting nut, 1982-1990 GM 3/4T & 1T trucks.

Spindle Nut Socket — 4 Outer



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648477
 028907-102436
 24
 6

For easy removal of spindle nuts. 4-lug, 2-1/2" inner diameter, 1/2" Dr. Fits the following vehicles: Ford F250/350 with heavy duty axles 1985 and newer; Ford F350 (late models) with Dana 50 or 60 axle; Chevrolet and GMC 30 Series 1987 only; Chevrolet and GMC w/Dana 50 independent front suspension; Chevrolet and GMC with Dana 60 with monobeam front suspension.

Spindle Nut Socket 1 Ton — 4-Inner



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 647093
 028907-273198
 24
 6

Fits 1994-newer Dodge 1/2-Ton 4x4 pickup trucks equipped with Dana 44 front axle as well as Dana 60 axles with vacuum disconnect.

1/2" Dr Dodge Spindle Nut Socket





Spindle Nut Socket Special



Item#	UPC Code	Case Pack	Shelf Pack
648476	028907-102429	18	6

For easy removal of spindle nuts. 4-lug, 2-3/4" outer diameter x 1-9/16", 1/2" Dr. Fits the following vehicles: Ford: 1985 and newer F250/350 2WD rear axles with "high shear" type rotating locknut.

Spindle Puller Socket



Item# UPC Code Case Pack Shelf Pack 940536 028907-317106 12 6

When used with a slide hammer, this tool allows for the removal of the spindle on most 1/2T & 3/4T 4WD Domestic Pickup Trucks. The 3 step thread design will fit 1-1/2", 1-5/8", & 2" spindles.

Toyota Lock Nut Tool



Item#	UPC Code	Case Pack	Shelf Pack
648874	028907-179490	36	6

For removal and installation of special high-torque locknut on Toyota locking hubs. Fits 1995 and newer Tacoma and 1996 and newer T100 and 4Runner.

Tie Rod/Ball Joint Separators



1		UPC Code		Case	Shelf
	Item#	028907-	Description	Pack	Pack
	647054	271828	2-3/4"x 1-1/16"	24	6
	647055	271842	2-7/8"x 1-3/8"	24	6
	647056	271859	3-1/8"x 1-5/8"	24	6
	648467	102337	2-3/4"x 21/32"	12	4
	648468	102344	3-1/8"x 15/16"	12	4

For separating tie rods, ball joints and pitman arms found on automotive and light truck applications.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648597
 028907-103655
 6
 1

For separating tie rod, ball joints and pitman arms. Kit includes three wedge type forks and two handles. Striking handle is for use with a hammer, and air hammer adapter is for use with air hammer. Includes blow-mold storage case: 11/16" tie rod fork, 1-1/8" pitman arm fork, 15/16" ball joint fork.







 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940425
 028907-314723
 24
 6

For separating ball joints from the spindle support arm on many import and domestic applications. Tool is adjustable up to 2" to accommodate many different size ball joints.

Ball Joint Separator



Item#	UPC Code	Case Pack	Shelf Pack
648554	028907-372969	48	6

Used to easily turn tie rods. Slide tool over the end and tighten collar to allow access with extension. The tool can remove the inner tie rod without having to remove the outer tie rod.

3/8" Dr. Adjustable Inner Tie Rod Tool



Item#	UPC Code	Case Pack	Shelf Pack
641469	028907-361710	12	3

Can be used for disassembly of pitman arms on most cars and light trucks. Fully adjustable heavy duty jaws open to a maximum opening of 2 1/2" (65mm). Clamping bolts lock the jaws into position to assure positive grip and prevent slipping.

Universal Pitman Arm Puller





Outer Tie Rod Remover



Item#	UPC Code	Case Pack	Shelf Pack
648694	028907-136127	18	6

Services most tie rods, various applications of pulleys, and some Chrysler crankshaft gear applications. 2-1/2" spread. 2-1/4" reach.

Universal Tie Rod End Separator



Item#	UPC Code	Case Pack	Shelf Pack
940424	028907-314716	50	1

For use on many FWD vehicles with rack & pinion steering and other import applications.

Tie Rod and Pitman Arm Puller





Item#	UPC Code	Case Pack	Shelf Pack
648692	028907-136103	36	6

For separating tie rod ends from the tie rod and also for separating the pitman arm from the steering gear. Drop forged and heat treated chrome vanadium steel for strength. Fine threaded center screws for maximum torque. Two different length center screws to fit a wider range of vehicles.

Pitman Arm Puller



Item#	UPC Code	Case Pack	Shelf Pack
648693	028907-136110	24	6

For separating pitman arm from steering gear. Drop forged and heat treated chrome vanadium steel for strength. Fine threaded center screw for maximum torque. Heavy duty construction.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940556
 028907-319124
 12
 1

For use on center accessible coil springs.

Coil Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
940562	028907-320182	6	1

For safe and easy removal and installation of coil springs from McPherson struts.

Strut Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
647089	028907-272993	6	3

For safe and easy removal and installation of coil springs from McPherson struts. Compressor design includes "U" hooks that lock around the coils and prevent the tool from coming off of the spring coil.

Strut Coil Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
648465	028907-102313	96	6

For removing and installing front shock absorber nuts on domestic vehicles. Works in tight, hard-to-reach areas. Set includes 1/4" Dr. handle, 2 different oval opening sockets to fit top of shock, and 9/16" hex socket to fit top shock nut.

Shock Absorber Tool Set





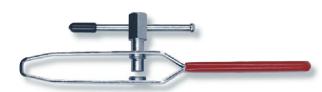
CV Boot Clamp Pliers



Item#	UPC Code	Case Pack	Shelf Pack
648478	028907-102443	72	6

CV Boot Clamping Pliers crimps and flattens clamp on ear-type constant velocity joint boot clamps.

CV Boot Banding Tool



Item#	UPC Code	Case Pack	Shelf Pack
648479	028907-102450	72	6

Use to install Band-it® or Band-it Jr.® style CV clamps on constant velocity joint boots.

Band-it® and Band-it Jr.® are registered trademarks of Band-it IDEX, Inc.

Pulley Puller





Item#	UPC Code	Case Pack	Shelf Pack
648460	028907-102269	4	1

For removing pressed-on pulleys from power steering pumps and alternators, on or off vehicle. Four threaded holes on puller body allow narrow and wide jaw positions. Heavy duty heat-treated alloy steel components. Impact Grade.



Patent 648460

Power Steering Pump/ Alternator Pulley Puller



Item#	UPC Code	Case Pack	Shelf Pack
647070	028907-272139	24	6

For removing power steering and alternator pulleys found on many Chrysler, Ford, General Motors and Volkswagen vehicles.



Item#	UPC Code	Case Pack	Shelf Pack
647072	028907-272153	24	6

For installing pulleys onto the power steering pump shaft. Unique design uses a roller bearing to prevent damage to the pulley and the pump.

Ford Power Steering Pump Pulley Installer



Item#	UPC Code	Case Pack	Shelf Pack
647071	028907-272146	24	6

For removing and installing power steering pumps found on many General Motors engines. Applications include 1988 and newer "Quad 4" engines and 3.1L V6 engines found in Chevrolet Lumina, Oldsmobile Silhouette, Pontiac Transport, Buick Regal and Pontiac Gran Prix.

GM Power Steering Pump Puller Remover/Installer



Item#	UPC Code	Case Pack	Shelf Pack
648563	028907-373799	12	3

Fits pulley hubs in 1 1/8", 1 1/4", 1 5/16", & 1 3/8" diameter. Fits GM, Chrysler, Dodge, Ford and VW power steering pulleys with Saginaw, Thompson, and Ford C111 and C2 pumps. GM belt-drive vacuum pumps GM V6 press-fit water pump pulleys.

Universal Power Steering Pulley Puller



Item#	UPC Code	Case Pack	Shelf Pack	
640593	028907-242361	36	6	

For removing steering wheels on most domestic and imported vehicles, with or without telescopic or tilt steering columns. Heavy duty drop-forged steel construction. Includes four sets of SAE/Metric bolts.

Steering Wheel Puller



Item#	UPC Code	Case Pack	Shelf Pack
648464	028907-102306	12	6

For removing steering wheels on most domestic and imported vehicles. Heavy duty drop-forged steering wheel puller fits most domestic and imported vehicles, with or without telescopic or tilt steering columns. Kit includes the following size bolts in a blow-mold case: Set of (2) M8-1.25x80mm, (2) 1/4"-28x3" NF, (2) 5/16-24x3 1/2" NF, (2) 5/16-18x4 1/2" NC, (2) 3/8"-16x4" NC.

Heavy Duty Steering Wheel Puller







Steering Wheel Puller Set



Item#	UPC Code	Case Pack	Shelf Pack
647088	028907-272986	24	6

For removing steering wheels on most domestic and imported vehicles, with or without telescopic or tilt steering columns. Heavy duty drop-forged steel construction. Includes four sets of SAE/Metric bolts.

Steering Wheel Lock Plate Tool



Item#	UPC Code	Case Pack	Shelf Pack
940568	028907-320830	24	6

For depressing lock plates on GM and Chrysler vehicles. Allows removal of round wire snap ring that retains lock plate. Reversible adapter includes 9/16"-18 and M14-1.5 threads.

Steering Wheel Lock Plate Remover



Item#	UPC Code	Case Pack	Shelf Pack
648466	028907-102320	36	6

For depressing lock plates on GM and Chrysler vehicles. Allows removal of round wire snap ring that retains lock plate. Reversible adapter includes 9/16"-18 and M14-1.5 threads.

Steering Pivot Pin Remover



Item#	UPC Code	Case Pack	Shelf Pack
647073	028907-272160	60	6

For disassembling Saginaw tilt and telescoping steering columns found on 1969 and later General Motors, Chrysler, and Ford vehicles.



Item#	UPC Code	Case Pack	Shelf Pack
648436	028907-102023	12	6
647574	028907-399072	12	6

For pulling harmonic balancers, gears, and pulleys with tapped holes. Puller yoke has 4 slots for 2 or 3 hole applications. Swiveling center tip prevents damage. Includes the following bolts in storage case with hanger hole: Set of (3) 5/16"-18x2", (3) 3/8"-24x2", (3) M10-1.5x50mm, (3) M8-1.25x80mm, (2) 3/8"-16x4" Side Bolts.



Harmonic Balancer Puller



Item#	UPC Code	Case Pack	Shelf Pack
940610	028907-327457	72	12

For removing the Harmonic Dampener on GM applications that are equipped with a crankshaft sensor. The use of these bolts will prevent damage to the crank sensor.





Item#	UPC Code	Case Pack	Shelf Pack
940394	028907-313924	18	6

For installation of Harmonic Balancers on applications with threaded crankshafts.

Harmonic Balancer Installer Set



Item#	UPC Code	Case Pack	Shelf Pack
940609	028907-327440	72	6

For positioning the crankshaft on some Ford engines to allow for correct timing chain installation. For use with Ford 1993 thru 2004 4.6L two and four valve,5.4L, and 6.8L engines.

Ford Crankshaft Positioning Tool



Item#	UPC Code	Case Pack	Shelf Pack
648796	028907-165882	24	6

For removal and installation of crankshaft pulley bolt. Fits most Honda and Acura engines. 50mm diameter. Hexagonal shape fits hole in center of crankshaft pulley. Prevents engine from turning when held with breaker bar.

Honda Crank Pulley Tool



50mm Honda Crankshaft Holder



Item#	UPC Code	Case Pack	Shelf Pack
641453	028907-361543	30	6

For easier removal and installation of most Honda/Acura crankshaft bolts. The tool holds the harmonic damper keeping the pulley from rotating when removing and installing the pulley bolt. This tool has a longer arm than 648796 for more flexible applications.

Crank Pulley Holding Tool



Item# UPC Code Case Pack Shelf Pack 648826 028907-178936 18 6

For removal and installation of crankshaft pulley attaching bolt. Fits most carbureted Honda engines, including CRX, Civic, Accord and Prelude. Facilitates timing belt change. Prevents crankshaft and engine movement when held with breaker bar. Special sliding dowel assembly adjusts to fit into holes in crankshaft pulley.

Crank Pulley Holding Tool



Item#	UPC Code	Case Pack	Shelf Pack
648818	028907-172064	24	6

For removal and installation of crankshaft pulley attaching bolt on Honda Prelude 1994-95 and some Honda/Acura V6 engines. Low profile design fits in tight engine compartments.

Mazda Crank Pulley Holder



Item#	UPC Code	Case Pack	Shelf Pack
648819	028907-172071	144	6

Fits 1986-1991 Mazda 323 and 1990-1991 Mazda Miata. Holds crankshaft stationary so crankshaft center bolt can be removed or replaced. Bolts directly to crankshaft using pulley attaching bolts.

Lexus/Toyota Harmonic Damper Holder



Item#	UPC Code	Case Pack	Shelf Pack
641454	028907-361550	36	6

Removes and installs the crank bolt on Lexus/Toyota with ease. Fits Lexus 1990 and newer and Toyota 1992 and newer.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641458
 028907-361598
 24
 6

Holds timing chain in place on 2002 and newer GMC EcoTech motor 2.2L and 2.4L Chevrolet, Oldsmobile, Saturn and Pontiac so that water pump can be removed for service.

GM Water Pump Holding Tool



Item#	UPC Code	Case Pack	Shelf Pack
648441	028907-102078	144	6

WADE IN USA

For checking bearing clearances during engine assembly. Includes green tape measuring .001" to .003" and red tape measuring .002" to .006".

Plastigage®



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648455
 028907-102214
 24
 6

For rotating engine by hand. Lever arm allows easy rotation of the crankshaft. Can be used from under the vehicle. Comfort grip handle.

Flywheel Turning Tool



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648433
 028907-101996
 72
 6

For compressing rings on pistons 2"-5" in diameter. Ratcheting lock mechanism with fingertip release lever. Nibs on bottom prevent compressor from sliding into cylinder.

Ring Compressor 2-5", 3"H



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940576
 028907-324715
 72
 6

For compressing rings on pistons 3-1/2"-7" in diameter. Ratcheting lock mechanism with fingertip release lever. Nibs on bottom prevent compressor from sliding into cylinder.

Ring Compressor 3-1/2"-7", 3"H





Wrinkle Band Piston Ring Compressor



Item# UPC Code Case Pack Shelf Pack 648434 028907-102009 60 6

For compressing rings on pistons 2"-5" in diameter. Time saving low friction ring compressor uses a wrinkle band design to cut contact area with ring in half. Prevents the tool from sliding into cylinder. One adjustment of the knurled knob sets the tool to the correct size for the entire piston set.

Piston Ring Installer



Item#	UPC Code	Case Pack	Shelf Pack
648449	028907-102153	96	6

For eliminating compression ring breakage by reducing installation stress. Fits most passenger car and light truck rings. Comfort grip handles.

Piston Ring Groove Cleaner



Item#	UPC Code	Case Pack	Shelf Pack
648450	028907-102160	72	6

For removing carbon from piston ring grooves. Adjustable for pistons 2" to 5" in diameter. Will not come out of groove. Cutter pressure is controlled for an even cut. Rigid frame. Includes 3 cutters with the following size blades: Cutter No. 1: 1/16", 3/16", 5/32", 1/8", 3/32" Cutter No. 2: 2mm, 2.5mm, 3mm, 4mm, 4.5mm, 1/4" Cutter No. 3: 1.2mm, 1.5mm, 1.8mm, 2.8mm, 5mm, 5.5mm

Adjustable Cylinder Glaze Breaker 2-7"



Item#	UPC Code	Case Pack	Shelf Pack
648439	028907-102054	36	6

For deglazing engine cylinders 2" to 7" in diameter. Durable flex shaft. Knurled wheel adjusts spring pressure of stones against cylinder bore. Set screw and adjustable collar allow setting hone to 2 different maximum diameters for easier handling. Hone features 3 replaceable 4" long #220 grit stones.

Grit Glaze Breaker Stones for 648439



ALLTRADE SPECIALTY TOOLS

Item#	UPC Code	Case Pack	Shelf Pk
647360	028907-380254	144	12 (coarse)
647361	028907-380261	144	12 (medium)
647362	028907-380278	144	12 (fine)

Package of 3 replacement stones and cotter pins for Powerbuilt® #648439. #220 grit.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940553
 028907-319094
 12
 6

GM V8 (except 348 & 409) & V6

GM Oil Pump Primer



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940555
 028907-319117
 12
 6

Ford V8 (221-302, 352-428FE)-1/4" Hex Drive.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940554
 028907-319100
 12
 6

Ford V8 (351 W/C/M, 400, 429/460)-5/16" Hex Drive.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648454
 028907-102207
 24
 6

For pulling 2 hole timing gears from cam shaft. Includes 3/8-16x4" NC and 5/16"-18x4" NC bolts.



Timing Gear Puller



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648831
 028907-178981
 48
 6

Fits early Nissan models. Prevents timing chain from dropping into timing cover while cylinder head or camshaft is removed. Wedge shape keeps chain tensioner from popping out.

Nissan Timing Chain Holding Tool





Nissan Timing Chain Holding Tool



Item#	UPC Code	Case Pack	Shelf Pack
648832	028907-178998	72	6

Fits 1980's Nissan models. Prevents timing chain from dropping into timing cover while cylinder head or camshaft is removed. Wedge shape keeps chain tensioner from popping out.

Cam Pulley Holder



Item#	UPC Code	Case Pack	Shelf Pack
648821	028907-172101	18	6

For holding camshaft gears stationary on OHC engines. Also works on injection pump and other gears. 16" length offers added leverage. Works on many Toyota, Nissan and Mazda models.

Rocker Arm Oil Stopper





Item#	UPC Code	Case Pack	Shelf Pack
648431	028907-101972	72	6

Stops oil splash during valve clearance adjustments on vehicles with hollow, oil-fed push rods. Set includes 16 oil stoppers in a plastic storage box.

Hydraulic Valve Lifter Puller



Item#	UPC Code	Case Pack	Shelf Pack
648459	028907-102252	72	6

For removing and installing hydraulic lifters from lifter bores. When button is pressed, special tip expands inside lifter and locks for positive engagement.

Hydraulic Valve Lifter Puller



Item#	UPC Code	Case Pack	Shelf Pack
940381	028907-313320	36	12

For removing and installing hydraulic lifters from lifter bores.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648432
 028907-101989
 48
 6

For removing valve springs without removing the cylinder head. Provided "T" handle also has hex surface for use with socket or end wrench.

OH Valve Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
940539	028907-317250	36	6

For removing valve springs without removing the cylinder head.

Overhead Valve Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
648546	028907-103136	24	6

For use on stud type rocker studs with or without head removed. Heavy duty spring compressor is 12-1/2" long for maximum leverage necessary to compress high-performance valve springs.

Lever Valve Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
940541	028907-317472	12	1

For use on stud type rocker studs with or without head removed. 12" long handle for maximum leverage necessary to compress high-performance valve springs. For use on 3/8" & 7/16" rocker studs.

Hi-Performance Valve Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
940518	028907-315423	6	1

Heavy duty manual valve spring compressor. Fully adjustable with a 12" long handle for maximum leverage necessary to compress even the strongest valve.

Heavy-Duty Valve Spring Compressor





Valve Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
648690	028907-136080	24	6

On-car compressor makes fast work of compressing valve springs and allows for easy valve service. Includes space-saver bolt for use when there isn't enough room to operate with the cam-handle.

Jam Nut Valve Adjusting Tool



Item#	UPC Code	Case Pack	Shelf Pack
648827	028907-178943	36	6

Makes adjusting valves easier. Designed for engines with a 10mm jam nut and slotted valve adjusting stud. View window shows screwdriver blade position for easier engagement. Unique all-in-one design positively tightens jam nut while preventing stud movement. 7-1/2" handle provides necessary torque for loosening jam nuts.

Jam Nut Valve Adjusting Tool



Item#	UPC Code	Case Pack	Shelf Pack
648828	028907-178950	36	6

Makes adjusting valves easier. Designed for engines with a 12mm jam nut and slotted valve adjusting stud. View window shows screwdriver blade position for easier engagement. Unique all-in-one design positively tightens jam nut while preventing stud movement. 7-1/2" handle provides necessary torque for loosening jam nuts.

Valve Adjustment Tool



Item#	UPC Code	Case Pack	Shelf Pack
648829	028907-178967	36	6

For adjusting Toyota "shim over bucket" style valve assemblies.

Honda Valve Adjustment Tool



ALLTRADE SPECIALTY TOOLS

Item#	UPC Code	Case Pack	Shelf Pack	-
648822	028907-172125	72	6	

For adjusting valves on Honda and Acura VTEC engines. Holds adjusting screw positively in place while jam nut is tightened. Long socket raises adjustment position for more room and control.



Item#	UPC Code	Case Pack	Shelf Pack
648448	028907-102146	48	6

For hand lapping valves and valve seats. Hardwood handles. 9" tool with 1-1/8" and 1-3/8" cups, 8" tool with 5/8" and 13/16" cups. Synthetic rubber cups are resistant to chemical agents. Non-slip cups are groove locked to handle.

2 Pc Double Cup Valve Grinders



Item#	UPC Code	Case Pack	Shelf Pack
648435	028907-102016	72	6

For hand lapping hardened steel valves and valve seats. Also can be used for honing cutters and knives, and mating gear sets. Two 2-1/2 ounce canisters: coarse #120 and fine #280 grit.



Item#	UPC Code	Case Pack	Shelf Pack	
648457	028907-102238	96	6	

For replacement of valve stem seals and springs with cylinder head on engine. Pressurizes the cylinder to help hold valves closed with compressed air. Flexible 14" long air hose features 14mm and 18mm stepped fittings with "0" ring seals for spark plug hole. 1/4" pipe fitting allows connection to air source.



For removing and installing 1" and 1-1/16" hex oil pressure sending units found on most engines. 3/8" Dr. socket features a recess for switch body. Socket can be turned with a 3/4" wrench on the external hex. Also fits some brake light switches. Chrome vanadium steel for strength.

Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648445	102115	1/2" Dr, 7/8" He Dr 1-3/16"	x 48	6

For removing and installing 1-3/16" hex oil pressure sending units found on late model GM vehicles. 1/2" Dr. socket features a 2-5/8" recess for switch body. Socket can also be turned with a 1-1/8" wrench on the external hex. Chrome vanadium steel for strength.

Valve Lap Compound





Valve Holder Hose



Oil Pressure Sender Socket



Oil Pressure Sender Socket





Oil Pressure Sender Socket



Item# UPC Code 028907 Description Pack Case Pack Shelf Pack 648446 102122 1/2" Dr, 7/8" Hex 48 Dr 1-3/16" 6

For removing and installing extra-long 1-3/16" hex oil pressure sending units found on late model GM vehicles. 1/2" Dr. socket features a 4-1/4" recess for switch body. Socket can also be turned with a 1-1/8" wrench on the external hex. Chrome vanadium steel for strength.

Oil Pressure Sender Socket



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648447	102139	3/8" Dr, 1-1/8" Hex Dr, 1-1/16"	96	6

For removing and installing the 1-1/16" hex oil pressure sending units found on 1991 and newer GM and some Chrysler engines. 3/8" Dr. socket features a 2-5/8" recess for switch body. Socket can also be turned with a 3/4" wrench on the external hex. Chrome vanadium steel for strength.

Nissan Coolant Temp Sensor Socket



Item#	UPC Code	Case Pack	Shelf Pack
648830	028907-178974	180	6

For removing/replacing coolant temperature sensor on Nissan 3.0L V6 engines.

12mm, 12 Pt Socket



Item#	UPC Code	Case Pack	Shelf Pack
641468	028907-561703	72	6

12 mm 12 point socket. 140mm long.For removing and replacing cylinder head bolts on most Toyota models and older VW/Audi models.

Head Bolt 1/2" 10mm, 12 Pt Bit Socket



Item#	UPC Code	Case Pack	Shelf Pack
641467	028907-361697	72	6

10 mm 12 point socket. 140mm long.For removing and replacing cylinder head bolts on some Toyota/Lexus, Pontiac, Mercedes and VW/Audi models.

ENGINE & DRIVETRAIN



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641466
 028907-361680
 72
 6

Special socket for Toyota head bolts — AST 1/2" drive head bolt socket for Paseo, Tercel and other Toyota models that use a #8 bi-hexagonal socket.

Toyota Head Bolt 1/2" Dr. 8mm 12 Pt Bit Socket



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641443
 028907-361215
 72
 12

For removing/installing water sensors on GM 6.6L Duramax diesel engines.

3/8" Dr. Water Sensor Socket



For removing and installing oxygen sensor and vacuum switches. Specially designed 7/8" (22mm) socket features slot for wiring connector pigtail or vacuum nipples. 2-1/2" depth to fit over long sensors. Can be used with 1/2" Dr. ratchet or 7/8" wrench on the external hex. Also fits thermal vacuum valves, etc. Chrome vanadium steel for strength.

Oxygen Sensor Socket



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648691
 028907-136097
 96
 6

Offset oxygen sensor socket provides extra leverage for easier removal even in hard to reach spots. Slotted design allows removing oxygen sensor with wiring harness attached. Precision casting for strength and accurate fit. 7/8" (22mm) hex fits almost all oxygen sensors. 3/8" square drive for use with ratchet.

Offset Oxygen Sensor Wrench



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 647094
 028907-273501
 100
 10

For easy removal and installation of most oxygen sensors. Extended reach for added utility. 3/8" square drive for use with ratchet or breaker bar.

Extended Offset Oxygen Sensor Wrench





Oxygen Sensor Socket Wrench





For hard to reach oxygen sensors mainly on Ford Contours and 4.6L and 5.4L Ford engines in many SUV's and light trucks.

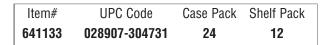
1/2" Dr. GM Water Pump Socket





Removes and installs the water pump assembly on GM Northstar 4.0L and 4.6L engines.

18mm Back-Tap Spark Plug Thread Repair Tool





Rethreads 18mm spark plug holes without helicoils or head removal. Repairs damaged threads as it is drawn up through the spark plug hole, bringing debris and metal filings with it. Also rethreads manifold bore threads for Oxygen Sensors.

Oxygen Sensor Thread Chaser

Item#	UPC Code	Case Pack	Shelf Pack	
940379	028907-313283	144	12	



For cleaning and possibly repairing damaged threads in oxygen sensor bores. Also can be used on M18 x 1.5 spark plug bores. Must use anti-seize when using this product.

Exhaust Manifold Spreader





Spreads warped manifolds on GM small-block V8s and V6s so that bolt holes line up correctly. Uses 3/4" hex wrench. Can be used in pairs.

ENGINE & DRIVETRAIN



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940377
 028907-313269
 48
 6

For expanding exhaust pipes, rounding pipe ends, and removing exhaust clamp grooves. Use on 1-1/8" - 1-3/4" I.D. Exhaust pipe.

Small Exhaust Pipe Expander



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940378
 028907-313276
 24
 12

For expanding exhaust pipes, rounding pipe ends, and removing exhaust clamp grooves. Use on 1-1/2" - 2-7/16" I.D. Exhaust pipe.

Medium Exhaust Pipe Expander



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940404
 028907-314099
 12
 12

For expanding exhaust pipes, rounding pipe ends, and removing exhaust clamp grooves. Use on 2-1/8" - 3-7/16" I.D. Exhaust pipe.

Large Exhaust Pipe Expander



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940538
 028907-317151
 24
 6

For Cutting Exhaust Pipe thru 6".

Exhaust Pipe Cutter



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940507
 028907-317137
 24
 6

For use with engine crane #940194. Maximum load: 1,000 lb. 34" overall length.

Engine Lift Chain





Engine Lift Plate



Item#	UPC Code	Case Pack	Shelf Pack
940508	028907-317144	24	6

For lifting engines via the intake manifold. Fits most two and four barrel intake manifolds. Use with engine crane #940194. Maximum load: 1,000 lb.

Serpentine Belt Tool Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648451
 028907-102177
 12
 6

For removing or installing serpentine belts on vehicles with spring-loaded automatic belt tensioners. Tool includes 24" handle with 3/8" square drive and 9-1/4" adapter/extension with 1/2" square drive. Adapter fits on handle in 8 different positions. Also includes socket rail with special shallow 6-point 15mm, 16mm and 18mm sockets, and 13mm, 14mm and 15 mm crowsfoot wrenches.

Belt Hook Tool



Item#	UPC Code	Case Pack	Shelf Pack
640686	028907-246888	48	6

For extra mauverability in installing serpentine belts, timing, and v-belts, this 25" long tool will help eliminate the frustration sometimes associated with the servicing of these components.

Radiator Tool Set





For removing radiator hoses and draining radiators. Push-pull cutting tool for slitting stuck-on radiator hoses. Two different design sockets are provided for loosening petcock valves and drain plugs.

Ford Fan Clutch Set



Item#	UPC Code	Case Pack	Shelf Pack
647074	028907-272191	24	6

For removing threaded-on viscous fan clutches found on Ford vehicles.

ENGINE & DRIVETRAIN



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940395
 028907-313931
 18
 6

For removing fan clutches found on some GM vehicles.

GM Fan Clutch Wrench Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648579
 028907-374413
 48
 12

Special design aligns and assembles clutch on workbench for easy installation. Switches for front wheel drives that have no pilot bearing in the fly wheel. For most vehicles up to 5 tons with single plate clutches.

Universal Clutch Aligning Tool



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940423
 028907-314617
 15
 5

For use with bolt-on pulleys and many fan clutch applications including GM 4.3, 5.0, 5.7L Engines. Ford 3.9, 5.2, 5.9, 8.0, & V-10 engines. Chrysler / Dodge 4.3, 5.0, 5.7L engines.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648980
 028907-271361
 48
 6

For servicing AC clutch while AC compressor is still in the vehicle. Works with both domestic and import AC systems.

A/C Clutch Holder Tool





Clutch Pilot Tool Set





Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648437	102030	SAE & MM	6	1

For aligning clutch discs on American and imported cars. Adapter fits through clutch plate and engages pilot bushing or bearing. Tapered clutch plate adapter (cone) aligns clutch plates properly. Set includes centering shaft, tapered clutch plate adapter with 1-1/4" maximum diameter, and 8 two-stepped pilot bearing adapters. Set contains the following adapters in a blow-mold case with hanger hole: 15.8/12mm, 17/15mm, 0.787/0.749", 0.874/0.812", 0.590/0.561", 0.624/0.614", 0.718/0.668", 1.18/0.984"

Transmission Stop-Off Tool



Item#	UPC Code	Case Pack	Shelf Pack
940376	028907-313221	72	6

This tool fits most domestic rear wheel drive cars and light trucks, eliminating the draining of fluid when servicing the drive line or replacing universal joints. 1.30" thru 1.45" diameter.

VW Transmission Filler & Drain Plug Socket



Item#	UPC Code	Case Pack	Shelf Pack
648438	028907-102047	96	6

For transmission drain and fill plugs on Volkswagen and other German vehicles. Male 17mm hex body socket. For use with 3/8" Dr. ratchet. Heat treated and zinc plated alloy steel.

VW Tamper Proof Drain Plug Tool



Item#	UPC Code	Case Pack	Shelf Pack
648820	028907-172088	288	6

Fits tamper-proof transaxle drain plug on VW vehicles.

DISCONNECT TOOLS



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647052	271811	5/16"	72	6
647053	271835	3/8"	72	6

For quick and easy separation of the special couplings found between fuel lines and fuel filters, and between transmission oil cooler lines and components.

Fuel & Transmission Line Disconnect Tools



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648884	179636	1/4"	72	6

For 1995-1996 Mustangs. For quick and easy separation of the special couplings found on the 1/4" diameter fuel pump return line.

1/4" Fuel Pump Return Line Disconnect Tool



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
647005	271767	1/2"	72	6
647012	271774	5/8"	72	6
647050	271781	3/4"	72	6
647051	271798	7/8"	72	6

For quick and easy separation of the special couplings found between fuel lines, fuel filters, transmission lines, heater lines, and automotive air conditioning lines and components. Color coded for easy size identification.

Large	Diameter	Fuel,	Heater	& AC
	Line	e Disc	onnect	Tools



Item#	UPC Code	Case Pack	Shelf Pack
940540	028907-317410	48	6

For quick and easy separation of the special couplings found between fuel lines, fuel filters, transmission lines, heater lines, and automotive air conditioning lines and components. Color coded for easy size identification.

6 Pc Disconnect Tool Set (5/16", 3/8", 1/2", 5/8", 3/4", 7/8")





4 Pc Disconnect Tool Set (Small Sizes)



Item#	UPC Code	Case Pack	Shelf Pack
641478	028907-362328	72	12

4 pc disconnect tool set for A/C and fuel quick disconnect lines. Includes: 1/4", 5/16", 3/8" and 1/2" oil cooler line.

4 Pc Disconnect Tool Set (Large Sizes)



UPC Code Item# Case Pack Shelf Pack 028907-362267 72 641477 12

4 pc disconnect tool set for A/C and fuel quick disconnect lines. Includes: 1/2", 5/8", 3/4" and 7/8".

6 Pc Disconnect Tool Set (Plastic)





Item# **UPC** Code Case Pack Shelf Pack 028907-372815 648551 72 12

6 pc disconnect tool set for A/C, fuel and cooler line with quick disconnect connections. Includes: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".

Fuel Filter Disconnect for GM



UPC Code Case Pack Shelf Pack Item# 641463 028907-361659 200 20

Disconnects the fuel line from the fuel filter on 2002-2004 Chevy Tahoe and Suburbans, 5.3L Yukon and GM flex fuel systems.

Ford Fuel Line Disconnect with Hair **Pin Connectors**



For use in EFI fuel lines with hair pin connectors. Also
works on radiator or transmission oil cooler lines for
1987-current Cadillac Eldorado, Seville and Concours,
Buick Riviera and Reatta, and Oldsmobile Toronado

UPC Code

028907-374437

Item#

648581

1989-current GM 1/2 ton and 1 ton pickup trucks.

Case Pack Shelf Pack

25

250

Item# UPC Code Case Pack Shelf Pack 648580 028907-374420 288 24

For disconnecting fuel lines on 1990 and newer Rangers and Explorers with 4.0L 6 cylinder engines.

Ford Fuel Line Coupling Tool



Item#	UPC Code	Case Pack	Shelf Pack
641462	028907-361642	144	12

For releasing the plastic quick-connect fittings on the high and low pressure air conditioning lines at the evaporator. Fits many 1998-newer Toyota models.

A/C Line Disconnect Tool for Toyota



Item#	UPC Code	Case Pack	Shelf Pack
648547	028907-372761	288	12

For disconnecting push lock connectors. Found on cooling lines on both radiator and transmission connections on 1983-current Ford vehicles and 1982 Lincoln Continental overdrive transmissions. Same as Ford-782L-9500-AH.

Ford & GM Fuel A/C Line Disconnect Tool



Item#	UPC Code	Case Pack	Shelf Pack
648585	028907-374475	144	6

Disconnects fittings on fuel filters, transmissions, A/C systems and fuel tanks in most GM vehicles, trucks and other heavy equipment.

Chrysler Quick Disconnect Tool



Item#	UPC Code	Case Pack	Shelf Pack
648548	028907-372778	192	12

Enables easy access and disconnects clutch line from slave cylinder, dearing clutch, master cylinder, slave cylinder or clutch assembly service.

GM Hydraulic Clutch Line Disconnect Tool





4 Pc A/C Spring Lock Coupling Tool Set









UPC Code Case Pack Shelf Pack Item# 641290 028907-344737 144 12

For separating spring lock air conditioning pressure lines on 1981-current Ford vehicles and 1994 and newer Chrysler and Jeep vehicles.

8 Pc A/C & Fuel Line Disconnect Tool Set

















UPC Code Case Pack Shelf Pack Item# 648339 028907-130620 6 6

For releasing guick connect and spring lock fuel and air conditioning line couplings commonly found on domestically made Ford and Chrysler vehicles. For 5/16", 3/8", 1/2", 5/8" and 3/4" lines. Special design encloses the fitting to help shield the user from spray.

Fuel Line A/C Disconnect Set













Item# **UPC** Code Case Pack Shelf Pack 648424 028907-101903 72

For quick and easy separation of fuel, A/C and automatic transmission line quick-disconnect fittings. Flexible material can be twisted to fit over line. Color-coded and size-marked. Set includes 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".

2-In-1 Fuel Line Disconnect Tool



Item#	UPC Code	Case Pack	Shelf Pack
648722	028907-139869	144	6

For releasing fuel line couplings commonly found on 1990 and newer Ford and Mazda and 1989 and newer GM vehicles. For 5/16" and 3/8" lines.

4-In-1 A/C Line Disconnect Tool



Item#	UPC Code	Case Pack	Shelf Pack
648723	028907-139876	108	6

For quick and easy separation of spring lock couplings on air conditioning and fuel lines. Fits 3/8", 1/2", 5/8" and 3/4" fittings. Fits Ford and Chrysler (LH series) vehicles.

DISCONNECT TOOLS



Item#	UPC Code	Case Pack	Shelf Pack
648885	028907-179643	72	6

For Taurus and Escort. For quick and easy separation of the special couplings found at the radiator, transmission, and oil coolers on specific Ford Taurus and Escort, and Mercury Sable and Lynx vehicles with AXOD and ATX transmissions. Lifetime warranty.

Oil Cooler Line Disconnect Tool



Item#	UPC Code	Case Pack	Shelf Pack
648724	028907-139883	120	6

For separation of the couplings found at the radiator, transmission, and oil coolers on Ford Motor Co. vehicles. Two different designs allow easy access under different clearance conditions.

2 Pc Transmission Oil Cooler Line Disconnect Set



Item#	UPC Code	Case Pack	Shelf Pack
648463	028907-102290	144	6

For disconnecting the slave cylinder hydraulic clutch line on the following applications; 1988 thru current Ford F-series trucks, Explorers, Ranger pick ups, Bronco II's, and 1989 thru 1997 Ford Thunderbirds and Mercury Cougars.

Hydraulic Clutch Disconnect Tool for Ford



Item#	UPC Code	Case Pack	Shelf Pack
648725	028907-139890	24	6

For disconnecting quick disconnect 5/8" & 3/4" heater lines on 1986 thru current Ford Aerostar vans, 1991 thru current Ford E-series vans, and 1987 thru current Dodge Caravan and Plymouth Voyager vans.

Heater Hose Disconnect Tool



Item#	UPC Code	Case Pack	Shelf Pack
641480	028907-362502	144	12

Disconnects heater line from engine block/thermostat housing on 1991-current GM 3.1, 3.4 and 3.5L engines.

GM Heater Line Disconnect Tool





Carburetor Adjusting Tool







For adjusting carburetors where idle and mixture adjusting screws are difficult to reach with a regular screwdriver. Flexible shaft. Includes a screwdriver end, 5mm socket end, hex bit tool end and "Double D" bit tool end for use on 1979 and later GM carburetors.

3/8" Dr. Honda Fuel Filter Banjo Bolt Tool



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648788
 028907-157283
 96
 6

For removing banjo bolt attaching fuel inlet line to fuel filter. Fits all fuel injected Honda and Acura vehicles. Positive fit on unique style bolt. 3/8" square drive.

9-Blade Feeler Gauge and Ruler



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648514
 028907-102801
 144
 6

For measuring clearances from 0.002 to 0.025" (0.051 to 0.635mm). Gauge includes 9 steel blades and a 2" steel ruler. Blades include: 0.002, 0.003, 0.004, 0.005, 0.006, 0.008, 0.020, 0.022, 0.025. Metric and standard measurements on blades. Meets Fed Spec. GGG-G-17c.

26-Blade Feeler Gauge



Item# UPC Code Case Pack Shelf Pack 648517 028907-102832 144 6

For measuring clearances to 0.025". Blades include: 0.0015, 0.002, 0.0025, 0.003, 0.004, 0.005, 0.006, 0.007, 0.008, 0.009, 0.010, 0.011, 0.012, 0.013, 0.014, 0.015, 0.016, 0.017, 0.018, 0.019, 0.020, 0.021, 0.022, 0.023, 0.024, 0.025. Metric and standard measurements on blades. Meets Fed Spec. GGG-G-17c.

6-Blade, Non-Magnetic Feeler Gauge



For adjusting air gap clearances on some types of electronic ignition systems. Gauge set contains non-magnetic brass blades. Blades include: 0.006, 0.008, 0.010, 0.012, 0.014, 0.016. Meets Fed Spec. GGG-G-17c.

Case Pack

288

Shelf Pack

12

UPC Code

028907-102856

Item#

648519



Item#	UPC Code	Case Pack	Shelf Pack
648515	028907-102818	144	6

For measuring valve tappet clearances to 0.026". Angled tip designs for easy access to valves for clearance checks. Blades include: 0.009, 0.015, 0.016, 0.017, 0.018, 0.019, 0.020, 0.021, 0.026. Metric and standard measurements on blades. Meets Fed Spec. GGG-G-17c.

9-Blade Tappet Feeler Gauge



Item#	UPC Code	Case Pack	Shelf Pack
648393	028907-201078	36	6

For measuring and setting valve tappet clearances. Durable carbon steel blades. Twelve offset blades measure clearances from .008" thru .026" (.203mm thru .660mm).

12-Blade Valve Tappet Gauge



Item#	UPC Code	Case Pack	Shelf Pack
648395	028907-201092	36	6

For measuring and setting clearances on valve tappets, spark plugs and other engine components. Carbon steel blades measure from .06mm thru .70mm.

15-Blade Metric Feeler Gauge



Item#	UPC Code	Case Pack	Shelf Pack
641415	028907-359239	100	10

For measuring and setting clearances on valve tappets, spark plugs and other engine components. Carbon steel blades measure from .0012mm thru .035mm.

33-Blade Metric Feeler Gauge





24-Blade Combo Tune-Up Gauge



Item# UPC Code Case Pack Shelf Pack 648518 028907-102849 144 6

For measuring a variety of clearances. Gauge set contains flat and wire loop blades, non-magnetic brass blades and spark plug gap adjusting tool. Steel blades include: 0.010, 0.012, 0.015, 0.016, 0.017, 0.018, 0.019, 0.020, 0.022, 0.024, 0.025, 0.026. Brass blades include: 0.006, 0.008, 0.010, 0.012, 0.014, 0.016. Wire loop blades include: 0.025, 0.030, 0.034, 0.035, 0.040, 0.045. Flat blades have metric and standard measurements on blades. Meets Fed Spec. GGG-G-17c.

25-Blade Tune-Up Gauge



Item# UPC Code Case Pack Shelf Pack 648394 028907-201085 36 6

"All-in-One" gauge for setting spark plug gaps, checking valve tappet clearances, adjusting points, etc. Includes steel feeler gauges from .0015" thru .030" (.038mm thru .762mm); non-magnetic brass feeler gauges from .006" thru .016" (.152mm thru .406mm); wire gauges from .0125" thru .045" (.635mm thru 1.14mm).

20-Blade Tune-Up Gauge



Item#	UPC Code	Case Pack	Shelf Pack
648396	028907-201108	36	6

For measuring and setting clearances. Durable carbon steel blades. 25 blades measure clearances from .002" thru .035" (.051mm thru .889mm).

15-Blade Feeler Gauge



Item# UPC Code Case Pack Shelf Pack 648398 028907-201122 36 6

Versatile thickness gauge for measuring and setting clearances on engine components. Includes handy 2" rule. Blades measure clearances from .002" thru .025" (.051mm thru .635mm).

17-Blade Mini Feeler Gauge



ALLTRADE SPECIALTY TOOLS

	1100.0	0 0 1	01 16 0 1	_
Item#	UPC Code	Case Pack	Shelf Pack	
648520	028907-102863	144	12	

Smaller blade size for measuring clearances where access is difficult. Blades include: 0.010, 0.012, 0.013, 0.015, 0.016, 0.017, 0.018, 0.019, 0.020, 0.022, 0.024, 0.025, 0.026, 0.028, 0.030, 0.032, 0.035. Meets Fed Spec. GGG-G-17c.



Item# UPC Code Case Pack Shelf Pack 640594 028907-242378 288 12

Silver Dollar style gap gauge, measuring range of 0.020" - 0.100".

Ramp Type Spark Plug Gauge



Item#	UPC Code	Case Pack	Shelf Pack
648522	028907-102887	72	12

For measuring and adjusting spark plug gaps. 6 wire loop blades include: 0.025, 0.030, 0.034, 0.035, 0.040, 0.045. Tool includes 2 electrode adjusting tools.

Spark Plug Gapper



Item#	UPC Code	Case Pack	Shelf Pack
648521	028907-102870	72	12

For measuring and adjusting spark plug gaps on High-Energy Ignition systems. 6 wire loop blades include: 0.040, 0.044, 0.045, 0.050, 0.060, 0.080. Tool includes 2 electrode adjusting tools.

HEI Spark Plug Gapper



Item#	UPC Code	Case Pack	Shelf Pack
648397	028907-201115	36	6

Wire gauges measure spark plug gaps from .025" thru .050" (.635mm thru 1.27mm).

Import Car Spark Plug Gauge



Item#	UPC Code	Case Pack	Shelf Pack
648423	028907-101897	36	6

For pulling boot off of spark plug. Compact, "L"-shaped boot puller pulls boot from the base to avoid damage to the wire connection.

Spark Plug Boot Puller





Heavy Duty Spark Plug Boot Pliers



Item#	UPC Code	Case Pack	Shelf Pack
648556	028907-372990	48	6

For removing hard to reach spark plug boots. Covered pliers jaws ensure better grip.

Spark Plug Wire Puller



Item#	UPC Code	Case Pack	Shelf Pack
648426	028907-101927	144	6

For pulling boot off of spark plug. Plastic puller insulates hands from electrical shock and helps to prevent burns. Serrated jaw tips grasp spark plug boot firmly.

Spark Plug Wire Pliers



Item#	UPC Code	Case Pack	Shelf Pack
648427	028907-101934	96	6

For safe removal of spark plug wire boots without wire damage. Concave, nylon-tipped jaws grasp boots firmly.

Spark Plug & Wire Tester



Item#	UPC Code	Case Pack	Shelf Pack
648825	028907-177243	144	6

Tests spark plugs and spark plug wires. Lights when current is present.

Spark Plug Wire Tester



Item# UPC Code Case Pack Shelf Pack 648429 028907-101958 144 6

For easy testing of spark plug wires. Inductive design. Tester lights up when electrical current is detected.



Item#	UPC Code	Case Pack	Shelf Pack
940514	028907-316611	36	6

Tests spark plugs and spark plug wires. Lights when current is present.

Ignition/Spark Plug Tester



Item#	UPC Code	Case Pack	Shelf Pack
641148	028907-311623	24	12

Re-threads 12mm spark plug holes without helicoils or head removal. Repairs damaged threads as it is drawn up through the spark plug hole, bringing debris and metal filings with it.

12mm Back-Tap Spark Plug Thread Repair Tool



Item#	UPC Code	Case Pack	Shelf Pack
640811	028907-263274	24	3

Re-threads 14mm spark plug holes without helicoils or head removal. Repairs damaged threads as it is drawn up through the spark plug hole, bringing debris and metal filings with it.

14mm Back-Tap Spark Plug Thread Repair Tool



Item#	UPC Code	Case Pack	Shelf Pack
641133	028907-304731	24	12

Re-threads 18mm spark plug holes without helicoils or head removal. Repairs damaged threads as it is drawn up through the spark plug hole, bringing debris and metal filings with it. Also rethreads manifold threads for Oxygen Sensors.

18mm Back-Tap Spark Plug Thread Repair Tool



Item#	UPC Code	Case Pack	Shelf Pack
940262	028907-311661	24	6

Re-threads 12mm, 14mm, 18mm spark plug bores without helicoils or head removal. Repairs damaged threads as it is drawn up through the spark plug hole, bringing debris and metal filings with it. 18mm also rethreads manifold threads for Oxygen Sensors.

3 Pc Back-Tap Repair Tool Set (12mm, 14mm, 18mm)





14mm Rethreader Kit with 4 Inserts





Item#	UPC Code	Case Pack	Shelf Pack
648421	028907-101873	36	6

Re-threads damaged 14mm spark plug holes in aluminum heads. Set includes tap and 4 inserts with the following reach: 7/16" (2), 5/8" (1) and 13/16" (1).

Spark Plug Hole Rethreader 14/18mm



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648422
 028907-101880
 36
 6

For repairing damaged or dirty threads in spark plug bores. 14mm and 18mm threads. Rubber "0" ring holds tool firmly in place in 13/16" socket when in use.

Limited Access Spark Plug Thread Chaser



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940380
 028907-313306
 144
 12

For use on M14 x 1.25 spark plug threads. The long length and narrow profile allows accesibility to spark plug bores in confined areas. Must use anti-seize when using this product.

3/8" Dr. 5/8" Extended Spark Plug Socket



Item#	UPC Code	Case Pack	Shelf Pack
648428	028907-101941	96	6

For servicing recessed spark plugs. 4-1/2" overall length.

5/8" T-Handle Spark Plug Wrench



Item#	UPC Code	Case Pack	Shelf Pack
648576	028907-358222	36	6

For use with 5/8" spark plugs. Swivels 3 ways for accessability in confined areas. PVC grip handle. Spring loaded for better application.



Item#	UPC Code	Case Pack	Shelf Pack
648577	028907-358215	36	6

For use with 13/16" spark plugs. Swivels 3 ways for accessability in confined areas. PVC grip handle. Spring loaded for better application.

13/16" T-Handle Spark Plug Wrench



Item#	UPC Code	Case Pack	Shelf Pack
940426	028907-314792	144	12

Allows for easier removal and installation of spark plugs, especially in confined locations.

Flexible Spark Plug Remover/Installer



Item#	UPC Code	Case Pack	Shelf Pack
940447	028907-315034	15	12

Magnetic insert preventing spark plug drop out. Offset, flexible angle allows for accessibility ease. Includes 5/8", 9/16", & 13/16" magnetic spark plug sockets on a 3" swiveling 3/8" Dr. rxtension and 5/8" and 13/16" magnetic spark plug sockets on a 10" swiveling 3/8" Dr. extension.

5 Pc Magnetic Swiveling Spark Plug Service Set



Item#	UPC Code	Case Pack	Shelf Pack
640581	028907-241869	12	6

For servicing or replacing spark plugs. Kit contains 1 each 3/8" Dr. bent handle ratchet, 3/8" Dr. 5/8" spark plug socket, 3/8" Dr. 13/16" spark plug socket, 3/8" Dr. 3/4" spark plug socket, 3/8" Dr. 3" extension, and a spark plug gap gauge.

6 Pc Tune-Up Kit





4 Pc Tune-Up Kit



Item#	UPC Code	Case Pack	Shelf Pack
640057	028907-053103	24	6

For servicing or replacing spark plugs. Kit contains 1 each 3/8" Dr. flex-head ratchet, 3/8" Dr. 5/8" spark plug socket, 3/8" Dr. 13/16" spark plug socket, and a 3/8" Dr. 3" extension.

Ford Ignition Module Socket



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648420
 028907-101866
 96
 6

For removing and installing Ford ignition modules with distributor in place. Special design includes both 7/32" (5.5mm) hex socket and T-20 Torx® bit.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

1/4" Dr. E-4 External Torx® Socket



Item#	UPC Code	Case Pack	Shelf Pack
940542	028907-317489	48	6

For use on GM ignition components.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

1/4" Dr. Deep E-4 External Torx® Socket



Item#	UPC Code	Case Pack	Shelf Pack
641465	028907-361673	96	24

For electrical ignition switches. 50mm length allows for easier access. This extra deep socket is used on some GM ignition switches. 1/4" drive.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

Distributor Clamp Wrench Set



Item#	UPC Code	Case Pack	Shelf Pack
640580	028907-241852	48	6

Fits 1/2" & 9/16" hex distributor hold down bolts.



Item#	UPC Code	Case Pack	Shelf Pack	
648419	028907-101859	288	24	

For dressing ignition and voltage regulator points, removing carbon, etc. Flexible, thin blade with cutting surface on both sides.

Ignition File

 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641291
 028907-344744
 144
 12

For restoring stripped-out spark plug holes. 14mm \times 3/8" long.

3/8" Long 14mm Spark Plug Rethread Inserts



Item#	UPC Code	Case Pack	Shelf Pack
641292	028907-344751	144	12

For restoring stripped-out spark plug holes. 14mm x 7/16" long.

7/16" Long 14mm Spark Plug Rethread Inserts



Item#	UPC Code	Case Pack	Shelf Pack
641293	028907-344768	144	12

For restoring stripped-out spark plug holes. 14mm x 1/2" long.

1/2" Long 14mm Spark Plug Rethread Inserts



Item#	UPC Code	Case Pack	Shelf Pack
641294	028907-344775	144	12

For restoring stripped-out spark plug holes. 14mm x 3/4" long.

3/4" Long 14mm Spark Plug Rethread Inserts





14mm Cylinder Head Rethread Kit



Item# UPC Code Case Pack Shelf Pack 641295 028907-344782 72 6

Repairs damaged 14mm spark plug threads in aluminum heads. Includes 1 each of 4 inserts: 3/8, 7/16, 1/2 and 3/4" reach and thread locking compound. Includes tap.

Electronic Fuel Injection Test (NOID) Light — GM P.F.I.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641296
 028907-344799
 144
 12

For GM PFI. Checks for on/off signals in electronic fuel injection components. Noid lights flash when signal is present.

Electronic Fuel Injection Test (NOID) Light — Ford T.B.I.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641297
 028907-344805
 144
 12

For Ford TBI. Checks for on/off signals in electronic fuel injection components. Noid lights flash when signal is present.

Electronic Fuel Injection Test (NOID) Light — Bosch P.F.I.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641298
 028907-344812
 144
 12

For Bosch PFI. Checks for on/off signals in electronic fuel injection components. Noid lights flash when signal is present.

Electronic Fuel Injection Test (NOID) Light — GM T.B.I.



Item# UPC Code Case Pack Shelf Pack 641299 028907-344829 144 12

For GM TBI. Checks for on/off signals in electronic fuel injection components. Noid lights flash when signal is present.

Item#	UPC Code	Case Pack	Shelf Pack
940384	028907-313450	48	6

Combination wire stripper, wire cutter, & terminal crimper. Crimps 7mm - 8.5mm ignition wire and 10-22 gauge solderless terminals. Will secure most ignition terminals including; right angle, W-type, and high tower styles. Black anodized finish with insulated comfort hand grips.

Wire Crimper



Item#	UPC Code	Case Pack	Shelf Pack
940405	028907-320809	24	6

Strips 8 thru 18 guage wire with a single motion.

Cut & Pull Wire Strippers



Item#	UPC Code	Case Pack	Shelf Pack
648568	028907-373904	72	12

Strips AWG: 10-26 stranded/AWG: 8-18 solid and crimps ignition terminals up to 3/4". With cushion grip handles.

Wire Stripper with Cutter



Item#	UPC Code	Case Pack	Shelf Pack
648529	028907-372624	24	12

Strips AWG: 10-22 wire. PVC grips for added comfort and leverage. Spring loaded with built-in locking mechanism.

Precision Wire Stripper



Item#	UPC Code	Case Pack	Shelf Pack
648342	028907-145631	36	6

44" overall length with clip. Low side for 6 to 12V DC. High side for spark plug wires. Super clear ABS plastic housing makes seeing bulb easy.

Hi-Low Voltage Tester





Computer-Safe Circuit Tester



Item#	UPC Code	Case Pack	Shelf Pack
648344	028907-145662	36	6

Safe for use on 12 volt automotive computer circuits. Will not damage sensitive electronic components. Tester indicates circuit polarity with red or green light. Super clear ABS plastic housing makes seeing bulb easy. Draws less than 21 m.a. at 12V DC. For 3 to 28 volt DC systems. Insulated alligator clip. 42" overall length.

Deluxe Circuit Tester



Item# UPC Code Case Pack Shelf Pack 940583 028907-326108 72 6

For checking 6V,12V, & 24V automotive circuits. Heavy duty features include 59" lead with spring crimp guard and 8" extra long probe.

Heavy Duty Circuit Tester



Item#	UPC Code	Case Pack	Shelf Pack
648341	028907-145624	36	6

For checking 6 and 12V automotive circuits. Heavy duty features include 48" lead with spring crimp guard.

Continuity Tester



Item#	UPC Code	Case Pack	Shelf Pack
648343	028907-145648	36	6

Checks continuity of wires, fuses and electrical system components. Self-powered, uses one "AA" battery (not included). Not for use on powered circuits or on automotive computer circuits.

Automotive Circuit Tester



Item#	UPC Code	Case Pack	Shelf Pack
640595	028907-242408	36	6

Tests 6, 12 and 24 volt systems for voltage. Removable 37" lead with alligator clip. Convenient shirt pocket clip.

Mini circuit tester is perfect for reaching smaller gauge wires in tight places. Tests 6-12 volt systems. Coiled cord for hassle-free use.

Mini Circuit Tester



Item#	UPC Code	Case Pack	Shelf Pack
641394	028907-355924	40	10

Tests 6V and 12V circuits and spark plug wires. Includes ground wire and test probe. Coiled wire for no tangled cords. Wire piercing guide for ease of use.

Deluxe Dual Voltage Circuit Tester



Item#	UPC Code	Case Pack	Shelf Pack
648349	028907-145716	36	6

Compact meter checks continuity of wires, fuses and electrical system components. Performs measurements of volts, amps, ohms and transistor gain (hFE). Can be used to test diodes. Low impedance meter can be used on automotive computer circuits. Rotary switch. Overload protection. Removable leads. 9 volt battery powered (not included).

Item#	UPC Code	Case Pack	Shelf Pack
940170	028907-279411	60	10

Compact 30 watt pen style soldering iron. 5-1/2 foot cord, UL approved. Includes stand for safe placement on flat surfaces when hot. Perfect for common electrical repairs.

Digital Multimeter



Soldering Iron - 30 Watt



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940171
 028907-279428
 24
 6

UL approved electric heavy duty soldering tool. Lighted power indicator allows you to tell when unit is turned on. Includes extra tip and solder wire. Perfect for all your auto electrical repair jobs.

Soldering Iron - 100 Watt





Digital Caliper



Item#	UPC Code	Case Pack	Shelf Pack
641130	028907-303000	48	12

For measuring outside & inside diameters, step, and depths. Features SAE to Metric conversion, with a measurement range of 0-6" (0-150mm). Allows zero setting anywhere within the measuring range. Has a large, LCD display screen for easy reading. Has automatic shut-off. Battery and extra battery included.

BiMetal Thermometer



Item# UPC Code Case Pack Shelf Pack 648574 028907-374277 180 10

These type of thermometers are used for testing the A/C system of an automobile to make sure that the A/C system is putting out the proper cool temperature of air. Scale reads 0-220°F.

Digital Thermometer



Item#	UPC Code	Case Pack	Shelf Pack
648575	028907-374284	80	10

These type of thermometers are used for testing the A/C system of an automobile to make sure that the A/C system is putting out the proper cool temperature of air. Scale reads -50-392°F.

Infrared Thermometer



Item#	UPC Code	Case Pack	Shelf Pack
648564	028907-373805	24	6

Quick, easy and accessible hands-off device for checking the temperature of various parts of the engine.

1/2" Dr. Torque Angle Gauge



Item#	UPC Code	Case Pack	Shelf Pack
641451	028907-361529	48	12

This tool is used to measure the torque value of bolts and other fasteners that require a torque value specification. Many engine components and bolts require a specified torque and angle for installation.

6" pocket size ruler with pocket clip. Features SAE and metric measurements and also includes depth gauge.

6" Pocket Ruler with Sleeve



Item#	UPC Code	Case Pack	Shelf Pack
641435	028907-360836	36	6

Generates engine bump or crank from engine bay. Heavy duty remote and cables withstand frequent use and harsh environments.

Heavy Duty Remote Starter Switch



Item#	UPC Code	Case Pack	Shelf Pack
648537	028907-103037	72	6

For cranking, "bumping" or starting the engine from fender or engine compartment. Ideal for fender mounted Ford starter solenoids. Allows bypassing of the ignition switch on engines with a solenoid starter switch. Thumb operated. Heavy duty assembly with rubber covered wires and clips with insulated sleeves.

Item#	UPC Code	Case Pack	Shelf Pack
647000	028907-271743	24	12

Designed for fast and accurate compression testing of gasoline powered engines. Fits both 14mm and 18mm spark plug threads.

Remote Starter Switch



Compression Tester



Item# UPC Code Case PackShelf Pack 647002 028907-271750 24 12

Tests both engine vacuum and fuel pump pressure. Quickly diagnoses engine mechanical and fuel pump condition.

Vacuum/Fuel Pump Tester





Vacuum Pump Set



Item#	UPC Code	Case Pack	Shelf Pack
648532	028907-102986	6	1

Checks both vacuum and pressure operated automotive components. Can be used to bleed hydraulic systems or siphon fluids. Patented aluminum slide collar design allows for quick and easy switch from pump to vacuum.



Patent 648532

Econo Vacuum Pump Set



Item#	UPC Code	Case Pack	Shelf Pack
648570	028907-374154	10	5

Vacuum pump works for bleeding hydraulic systems on automobiles or siphoning fluids. Included fluid reservoir, hoses, and adapters.

Mechanic's Stethoscope



Item#	UPC Code	Case Pack	Shelf Pack
640582	028907-241906	36	6

For diagnostic engine work.

Computer Memory Keeper



Item#	UPC Code	Case Pack	Shelf Pack
648539	028907-103051	144	6

For maintaining voltage continuity to engine computer, clock and radio memory when vehicle battery is disconnected. Retains radio presets, ECM codes and learned procedures up to four hours. Plugs into vehicle's cigarette lighter outlet. Uses 9-volt battery (not included).

5/16" GM Battery Ratcheting Wrench



Item#	UPC Code	Case Pack	Shelf Pack
648688	028907-135670	72	6

For GM or any battery side terminal bolt. Satin chrome plated to resist corrosion. Insulated handle to prevent electrical shock. Reversible ratcheting wrench.

 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648540
 028907-103068
 96
 6

For adjusting headlights on late-model Ford, Mercury and Lincoln vehicles using 4mm hex adjusting studs.

Ford Headlight Tool



Item#	UPC Code	Case Pack	Shelf Pack
648541	028907-103075	72	6

For removing spring clips that retain door handles and window molding. Jaws slip under handle to pull clip straight out. Plier tips can be used to snap spring clip into place during installation. Offset handle allows close access to door panel. Also can be used to remove molding from most windshields and rear glass.

Item#	UPC Code	Case Pack	Shelf Pack
648542	028907-103099	144	6

For removing spring clips used to retain door and window handles. Allows handle to be removed with the spring clip still on the post. Fits GM, Ford and other cars using "C" type clip. Spring steel with comfort grip handle.

Door Handle Clip Tool

Door Handle/Windshield Clip Pliers



Item#	UPC Code	Case Pack	Shelf Pack
648596	028907-374734	60	10

For removing window trim moulding clips on most American built vehicles. GM, Ford and AMC.

Window Moulding Removal Tool



Item#	UPC Code	Case Pack	Shelf Pack
641444	028907-361222	120	12

Removes wiper arms on many foreign and domestic cars and light trucks. Does not damage wiper arm or hood cowling during the removal process.

Windshield Wiper Arm Remover Tool





Extended Reach Window Crank Handle Tool



Item#	UPC Code	Case Pack	Shelf Pack
641422	028907-358888	48	6

For removing window crank circlips. Extended length with offset for easier use.

Trim Pad Remover



Item#	UPC Code	Case Pack	Shelf Pack
648544	028907-103112	72	6

For quickly releasing door panel and upholstery clips. Reduces damage to panels and loss of clips. Chrome plated shaft, comfort grip handle.

10-in-1 Trim Tool



Item#	UPC Code	Case Pack	Shelf Pack
648543	028907-103105	144	6

For panel seam cleanup, moulding removal, wiper mounts, door trim installation, weatherstrip clip removal, trim pad removal, handle clip removal, headlight springs, windshield molding clip release and door clip removal. Comfort grip handle.

Trim Clip Pliers (35° Offset)



Item#	UPC Code	Case Pack	Shelf Pack
648590	028907-374659	72	6

35° offset.

Trim Clip Pliers (80° Offset)



Item#	UPC Code	Case Pack	Shelf Pack
648589	028907-374642	72	6

80° offset.



Item#	UPC Code	Case Pack	Shelf Pack
648523	028907-102894	72	6

For removing and installing hose clamps. Ratcheting adjustment provides locking plier jaw with four different fixed positions. Securely holds ring-style and Corbin clamps during removal or installation. Slot in swiveling jaw piece allows engaging clamp from any angle. Two pairs of jaw ends included.

Item#	UPC Code	Case Pack	Shelf Pack
648526	028907-102924	72	6

For temporarily sealing off vacuum lines, fuel lines and other hoses with a positive, hands-off grip. Pincher tool uses wing nut to compress jaw and apply pressure between jaw and tool body. 1" opening. Two per package.

Item# UPC Code Case Pack Shelf Pack 648555 028907-372983 100 10

For pinching off hoses such as vacuum, heater, or radiator hoses.

Item# UPC Code Case Pack Shelf Pack 940547 028907-317595 48 6

For pinching off hoses such as vacuum, heater, or radiator hoses.

Universal Hose Clamp Pliers



2 Pc Hose Pinchers



Heavy Duty Hose Pinch Pliers



8" Metal Hose Pinch Off Pliers



Item#	UPC Code	Case Pack	Shelf Pack
940546	028907-317588	48	6

For pinching off hoses such as vacuum, heater, or radiator hoses.

10" Metal Hose Pinch Off Pliers





12" Metal Hose Pinch Off Pliers



Item#	UPC Code	Case Pack	Shelf Pack
940545	028907-317571	36	6

For pinching off hoses such as vacuum, heater, or radiator hoses.

2 Pc Multipurpose Hose and Wire Pliers



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648076
 028907-368818
 24
 6

For disassembling vacuum hoses, radiator hoses, fuel hoses and some pulley wires. Fits hose and wires 1/4" to 3/4".

Lock Ring Pliers

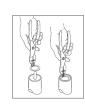


Item#	UPC Code	Case Pack	Shelf Pack
648633	028907-104348	72	6

For spreading snap or lock rings retaining parking brake adjuster cams to brake shoes, attaching pedals to shafts, inside transmissions, etc. Knurled outer jaw surface for positive grip on ring. 3/4" jaw opening. Comfort grip handles.

Internal Snap Ring Pliers





Item#	UPC Code	Case Pack	Shelf Pack	
648482	028907-102481	96	6	

For removing and installing internal snap rings. Comfort grip handles. Straight, 45° and 90° angle tips are included in a clear plastic storage box.

UPC Code

Case Pack Shelf Pack

6

648483 028907-102498

96

For removing and installing external snap rings. Comfort grip handles. Straight, 45° and 90° angle tips are included in a clear plastic storage box.

External Snap Ring Pliers





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648593
 028907-374666
 36
 6

For installing and removing internal and external snap-ring retainers. Includes internal & external pliers with extra tips.

2 Piece Snap-Ring Pliers Set



Item# UPC Code **648598 028907-103662**

Case Pack Shelf Pack

48

6

For removing and installing internal and external snap rings. Four jaw sets. Each jaw can be used for both internal and external snap rings. Features push button release for changing jaw setup and comfort grip handles with non-slip ridges. Two straight, a 45° and a 90° angle tip jaw are included.

Combo Snap Ring Pliers



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940648
 028907-330747
 24
 6

Quickly creates double and single flares. Flares 3/16", 1/4", 5/16", 3/8" and 1/2" tubing up to .040" thick. Durable heat treated clamping bar and yoke assembly.

7 Pc Double Flaring Tool



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940385
 028907-313481
 24
 6

For crack-free metric flares on soft steel tubing commonly used on automotive braking systems. Includes four metric dies; 4.375mm, 6mm, 8mm, &10mm.

ISO "Bubble" Flaring Tool Set





Flaring Tool



Item# UPC Code Case Pack Shelf Pack 648487 028907-102535 24 6

For flaring commonly used sizes and types of tubing. Hinged, wing nut design. Ductile iron yoke, chrome plated die block and hardened cone. Tool produces a 45° flare. Diameters include 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8".

37 Degree Flaring Tool Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940386
 028907-313498
 24
 6

For flaring "A-N" (Army-Navy) fittings commonly found on performance and industrial applications.

3" 2 Jaw Gear Puller



Item#	UPC Code	Case Pack	Shelf Pack
640962	028907-273815	36	6

For light-duty pull jobs including battery cables, windshield wiper arms, banjo bolts, pulleys, seals, etc. "L"shaped jaws. Pivoting center screw. 3" spread, 3" reach. Zinc plated to prevent corrosion.

Gear Puller, 3" 2 Ton 2 Jaw Reversible





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648489
 028907-102559
 12
 6

For pulling gears and pulleys. 3" reach, 3-3/8" spread, 2-ton capacity. Heavy duty drop-forged and heat-treated yoke and jaws. Jaws reverse for inside or outside pulls and reverse end-to-end for different depths of pulls and different size hooks. Chrome and black oxide finish. Kit includes blow-mold storage case.

Gear Puller, 3" 3 Ton Combo 2/3 Jaw Reversible





Item#	UPC Code	Case Pack	Shelf Pack
648490	028907-102566	12	6

For pulling gears and pulleys. 3" reach, 3-3/8" spread, 3-ton capacity. Heavy duty drop-forged and heat-treated yoke and jaws. Can be used with either two or three jaws. Jaws reverse for inside or outside pulls and reverse end-to-end for different depths of pulls and different size hooks. Chrome and black oxide finish. Kit includes blow-mold storage case.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640961
 028907-273808
 36
 6

For light-duty pull jobs including battery cables, windshield wiper arms, banjo bolts, pulleys, seals, etc. "L"-shaped jaws. Pivoting center screw. 4" spread, 3" reach. Zinc plated to prevent corrosion.

4" 2 Jaw Light Duty Gear Puller



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648906
 028907-191201
 36
 6

2 ton capacity. Max reach: 3-3/8"; max spread: 4". Reversible two-jaw design for inside or outside pulls. Chrome vanadium steel yoke and jaws. Fine thread center bolt for maximum torque and minimal effort.

4" Gear Puller



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648907
 028907-191218
 24
 6

3 ton capacity. Max reach: 3-3/8"; max spread: 4-3/4". Reversible three-jaw design for inside or outside pulls. Chrome vanadium steel yoke and jaws. Fine thread center bolt for maximum torque and minimal effort.

4" 2/3 Jaw Gear Puller



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648908
 028907-191225
 18
 6

5 ton capacity. Max reach: 5-1/2"; max spread: 6". Reversible two-jaw design for inside or outside pulls. Chrome vanadium steel yoke and jaws. Fine thread center bolt for maximum torque and minimal effort.

6" Gear Puller



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648909
 028907-191232
 12
 6

5 ton capacity. Max reach: 5-1/2"; max spread: 7". Reversible three-jaw design for inside or outside pulls. Chrome vanadium steel yoke and jaws. Fine thread center bolt for maximum torque and minimal effort.

6" 2/3 Jaw Gear Puller





8" 2/3 Jaw Reversible Gear Puller



Item#	UPC Code	Case Pack	Shelf Pack
648721	028907-137629	4	1

For pulling gears and pulleys. 8" reach, 9-1/2" spread, 7-ton capacity. Heavy duty drop-forged and heat-treated yoke and jaws. Can be used with either two or three jaws. Jaws reverse for inside or outside pulls and reverse end-to-end for different depths of pulls and different size hooks. Chrome and black oxide finish.

4" 3-in-1 Spring Loaded Gear Puller



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648085
 028907-368863
 24
 6

Spring loaded auto ratcheting 3-in-1 gear puller holds closed on object while tightening and adjusting. Heavy duty construction. Range 3"- 4".

7" 3-in-1 Spring Loaded Gear Puller



Item#	UPC Code	Case Pack	Shelf Pack
648107	028907-368870	4	4

Spring loaded auto ratcheting 3-in-1 gear puller holds closed on object while tightening and adjusting. Heavy duty construction. Range 3"- 7".

Battery Terminal Puller



Item#	UPC Code	Case Pack	Shelf Pack
648567	028907-373836	96	12

For removing battery terminal clamps without damaging battery posts.

Wire Terminal and Trouble Code Tool



Item#	UPC Code	Case Pack	Shelf Pack
641455	028907-361567	100	10

Designed to remove wires from terminals without damage to either. Also designed for Pack-Con and Weather-Pack terminals on GM C3 systems. Can also retrieve trouble codes from engine computer on some GM model vehicles.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 647367
 028907-313603
 72
 12

For removing stubborn gasket material. Carbon steel construction with 1-inch wide blade. One piece construction for more durability.

Heavy Duty Gasket Scraper



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 647374
 028907-388618
 96
 12

Replacement heavy duty scraper blades for 648501. Assorted sizes 1", 1 1/2" and 2" blades.

Heavy Duty Scraper Blades



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648500
 028907-102665
 72
 6

For scraping engine gasket surfaces and windshield stickers. Angled head with reversible blade position for safe storage. Knurled blade release screw. Two extra single-edge blades included in storage handle.

Razor Blade Gasket Scraper with Handle Storage



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648501
 028907-102672
 72
 6

For removing gaskets and hard-to-remove substances from gasket surfaces. Heavy duty wide blade scraper can be used on cylinder head, crankcase, timing chain cover, water pump and other gasket surfaces. Blades are durable hardened steel. Storage handle with 2", 1-1/2" and 1" wide blades.

Item#	UPC Code	Case Pack	Shelf Pack
648366	028907-184890	72	6

Folding design for added safety. Uses standard safety blades.

Wide Blade Gasket Scraper with Handle Storage



Fold-Away Razor Blade Scraper





2 Pc Auto Seal Scraper Set



Item#	UPC Code	Case Pack	Shelf Pack
640965	028907-277424	24	6

Includes standard and compact scrapers and blades. Comfortable no-slip handles.

2 Pc Auto Scraper/Chisel Set



Item#	UPC Code	Case Pack	Shelf Pack
640966	028907-277462	12	6

High-impact plastic handle with hand guard. Plastic blade can be resharpened.

Utility Knife



Item#	UPC Code	Case Pack	Shelf Pack
836317	028907-304274	36	6

For general purpose cutting tasks.

10 Pc Razor Blades



Item#	UPC Code	Case Pack	Shelf Pack
836253	028907-301181	144	12

Safety style razor blades for gasket scrapers, box cutters and more.

 Item#
 UPC Code
 Case Pack
 Shelf Pack

 831613
 028907-213842
 36
 6

5 pc replacement utility knife blades in a plastic storage case.

5 Pc Replacement Utilty Knife Blades



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 837347
 028907-388601
 48
 6

Safety style razor blades for gasket scrapers, box cutters and more.

100 Pc Razor Blades



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648969
 028907-374789
 36
 6

For applying putty. May also be used as a scraper on paint, grease and rust. Straight edge, one-piece stainless steel blade with satin finish. Easy-to-clean plastic handle with hang hole.

1-1/2" Stiff Putty Knife



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648588
 028907-374628
 48
 6

6" file for finishing.

6" Mill Bastard File



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940406
 028907-314174
 48
 12

Non-marring tools allow easy removal of trim mouldings, fasteners, or hub caps. Can be used for many additional home and auto applications.

5 Pc Plastic Fastener & Moulding Remover Set





4 Pc Mechanics Pry Bar Set



Item#	UPC Code	Case Pack	Shelf Pack
648533	028907-372655	12	1

Durable mechanics pry bar set. Injection PVD handles, black oxide finish. Includes sizes: 8", 12", 16" and 18".

3 Pc Wire Brush



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640585
 028907-241937
 72
 6

For cleaning threads, metal and plastic surfaces. Three rows of 1/2" high brass, steel or nylon bristles for use on a variety of materials. Tough nylon handle with convenient hanger hole.

Parts Cleaning Brush



Item#	UPC Code	Case Pack	Shelf Pack
940444	028907-099330	36	6

For removing grease and dirt from automotive parts and engine compartments. Durable polypropylene bristles for use in solvents. Finished wood handle with hang hole.

1" Knot-Type Wire End Brush



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940332
 028907-312569
 72
 6

Designed for heavy duty cleaning, such as removing rust, paint, and dirt from most metal and various other surfaces. For use with electric drills and air drills. Features 1/4" shank. Max safe free speed: 20,000 rpm.

1" Crimped Wire End Brush



Item#	UPC Code	Case Pack	Shelf Pack
940333	028907-312576	72	6

Designed for general purpose cleaning, such as removing rust, paint, and dirt from most metal and various other surfaces. For use with electric drills and air drills. Features 1/4" shank. Max safe free speed: 20,000 rpm.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940334
 028907-312583
 60
 6

Designed for light duty cleaning, such as removing rust, paint, and dirt from most metal and various other surfaces. For use with electric drills and air drills. Features 1/4" shank. Max safe free speed: 5,000 rpm.

2-1/2" Wire Cup Brush



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648508
 028907-102740
 72
 6

For retrieving lost parts, tools, and nuts and bolts up to 8 lbs. Sides are shielded to allow targeted pickups. Telescopes to 25". Fits in shirt pocket. Comfortable, high-visibility comfort grip handle.

Telescopic Magnetic Pick-Up Tool, 8 lb



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940606
 028907-327320
 96
 16

For retrieving lost parts, tools, nuts and bolts up to 8 pounds. Telescopes up to 32" length. LED light to illuminate dark, small spaces.

8 Lb LED Lighted Pick-Up Tool



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648702
 028907-368122
 48
 24

For retrieving lost parts, tools, nuts and bolts up to 8 pounds. 25" length flexible shaft for getting around corners and objects. LED light to illuminate dark, small spaces.

8 Lb LED Flexible Lighted Magnetic Pick-Up Tool



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940445
 028907-101262
 72
 12

For retrieving lost parts, tools, nuts and bolts up to 6 pounds. Telescopes up to 23" length. Convenient pocket clip.

Telescopic Magnetic Pick-Up Tool, 6 Lb





4 Lb 24" Magnetic Pick-Up Tool



Item#	UPC Code	Case Pack	Shelf Pack
640584	028907-241920	36	12

For retrieving lost parts, tools, nuts and bolts up to 4 pounds. Telescopes up to 24" length.

3 Lb Telescoping Magnetic Pick-Up Tool



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640583
 028907-241913
 72
 12

For retrieving lost parts, tools, nuts and bolts up to 3 pounds. Telescopes up to 25" length.

Mechanical Flex Finger 24"



Item#	UPC Code	Case Pack	Shelf Pack
648732	028907-144214	72	6

For retrieving fasteners, parts and other small objects. Flexible shaft. Spring-loaded 4-arm pickup claw automatically retracts into handle for safe storage.

2-in-1 Mechanical Flex Finger/ Magnetic Pick-Up Tool



647555	028907-394961	72	12
Item#	UPC Code	Case Pack	Shelf Pack

For retrieving fasteners, parts and other small objects. Flexible shaft. Spring-loaded 4-arm pickup claw automatically retracts into handle for safe storage. Tip includes magnetic pickup to make recovering small metal objects even easier.

Large Rectangular Mirror



Item#	UPC Code	Case Pack	Shelf Pack	_
648504	028907-102702	72	6	

For inspecting hard-to-see areas. Two ball and socket joints allow the 2-3/4" x 1-3/4" rectangular mirror to swivel to almost any position. Extends to 27". Chrome plated with matte grip handle.

For inspecting hard-to-see areas. Two ball-and-socket joints allow mirror to swivel to virtually any position. Telescopes up to 20" length. Chrome-plated steel with convenient pocket clip.

Telescopic Inspection Mirror



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940446
 028907-315027
 144
 6

For quick removal and installation of "0" rings and small oil seals. Features a positive grip knurled aluminum handle and hardened, chrome-plated hook and angle tips. Removes seals from air conditioning and brake systems components, distributors, power steering pumps, automatic transmissions and more.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 647084
 028907-272894
 32
 8

Set includes one each: Straight tip pick, 90 degree tip pick, hook tip pick, combination tip pick, telescoping magnetic pick up tool, component compartment in handle.

6 Pc Hook, Pick and Magnet Set



O-Ring / Seal Pick

 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641134
 028907-306315
 36
 6

For quickly removing and installing "O" rings, small oil seals, and other items that fit together tightly. Four different configurations pry up even the smallest items. Straight pick can be used to align small holes.

4 Pc Seal Pick Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640587
 028907-241951
 36
 6

Heat-treated carbon steel. Includes T-handle tap wrench and the following taps: 1/4"-20NC, 5/16"-18NC, 3/8"-16NC, 7/16"-14NC, 1/2"-13NC.

6 Pc SAE Tap Set





6 Pc Metric Tap Set



Item#	UPC Code	Case Pack	Shelf Pack
640588	028907-241968	36	6

Heat-treated carbon steel. Includes T-handle tap wrench and the following taps: M6 x 1, M7 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75.

3/8" Dr. Impact Driver Kit with Bits





Item#	UPC Code	Case Pack	Shelf Pack
648002	028907-056029	24	6

3/8" Dr. Reversible action tool for loosening stubborn bolts and nuts. Comes with four bits: #2 & #3 Phillips and 5/16" & 3/8" slotted.

Nut Splitter



Item#	UPC Code	Case Pack	Shelf Pack
648488	028907-102542	36	6

Splits frozen or rusted nuts up to 5/8-in.

Heavy Duty Nut Splitter



647083	028907-272887	72	6
Item#	UPC Code	Case Pack	Shelf Pack

Splits frozen nuts from 7/16" to 3/4". Wobble tip inside cutting enclosure automatically keeps the nut centered.

5 Pc Screw Extractor Set



For removing broken studs, screws, bolts, etc. Alloy steel extractor has tips with a long taper and fluted edges for positive engagement. Includes 1/8", 3/16", 5/16" and 3/8" sizes in plastic storage tray.

Case Pack

96

Shelf Pack

6

UPC Code

028907-102764

Item#

648510



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648511
 028907-102771
 36
 6

For removing broken studs, screws, bolts, etc. Left-hand spiral blade design grips screw when turned into hole drilled to specified size. Kit contains extractors for removing the following bolt sizes: 3/16-1/4", 1/4"-5/16", 5/16"-7/16", 7/16"-9/16", 9/16"-3/4", 3/4"-1" in a plastic tray.

	CONTRIBUTE DE LOS
-	
-	THE REAL PROPERTY.
	-
_	-555mm
	-
	4000000

6 Pc Easy Out Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640921
 028907-272177
 24
 6

For removing DIN-mounted radios found in Ford, Land Rover and Saab vehicles.

Radio Remover Wrench



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640922
 028907-272184
 48
 6

For loosening and tightening a wide range of antenna retaining nuts without damage.

Antenna Wrench



 Item#
 UPC Code
 Case Pack
 Shelf Pack
 Size

 648355
 028907-148182
 36
 6
 4-1/4"

 641153
 028907-325804
 24
 24
 6"

Stainless steel magnetic parts tray for temporary holding of nuts, bolts and other small metal small items. Rubber coated magnet attaches dish to metal surfaces.

Round Magnetic Dish



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648357
 028907-148205
 24
 1

 $5-1/2" \times 9-1/2"$ Stainless steel magnetic parts tray for temporary holding of nuts, bolts and other small metal small items. Rubber coated magnets attach dish to metal surfaces.

Rectangular Parts Tray





5 Pc 3/8" Dr. Torx® Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
647363	028907-380322	36	6

Contains one of each of the following 3/8" Dr. Torx® bit sockets: T-40, T-45, T-47, T-50, T-55. Includes metal socket rail.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

4 Pc 3/8" Dr. External Torx® (E-Socket) Set



Item#	UPC Code	Case Pack	Shelf Pack
647364	028907-380339	12	96

Contains one of each of the following external Torx® sockets: E-8, E-10, E-12, E-14. Includes metal socket rail.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

4 Pc 4" Extended Length Torx® Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
647058	028907-271958	36	6

Contains one each of the following 3/8" Dr. Torx® bit sockets: T-40, T-45, T-47, T-50. 4 inch length.

 Torx^{\otimes} is a Registered Trademark of TEXTRON INC., Bits are not Torx^{\otimes} brand products.

4 Pc 6" Extended Length Torx® Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
648888	028907-181349	36	6

3/8" Dr. T-40, T-45, T-47, T-50. For use on Torx® fasteners. 6 inch length.

Torx[®] is a Registered Trademark of TEXTRON INC., Bits are not Torx[®] brand products.

4 Pc Torx® Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
640316	028907-196473	48	6

Contains one each of the following 3/8" Dr. Torx® bit sockets: T-40, T-45, T-47, T-50.

Torx[®] is a Registered Trademark of TEXTRON INC., Bits are not Torx[®] brand products.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640049
 028907-053035
 48
 6

1/4" Dr. T-10, T-15, T-20, T-25, T-27, T-30. For use on Torx® fasteners.

6 Pc Torx® Bit Socket Set



Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

Item#	UPC Code	Case Pack	Shelf Pack
648677	028907-119328	48	6

Contains one each of the following Torx® bit sockets:

3/8" Dr.: T-40, T-45, T-47, T-50

1/2" Dr.: T-55, T-60

6 Pc Torx® Bit Socket Set



Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

Item#	UPC Code	Case Pack	Shelf Pack
648414	028907-241593	36	6

Contains one each of the following Torx® bit sockets:

1/4" Dr.: T-15, T-20, T-30 3/8" Dr.: T-40, T-45, T-50, T-55 7 Pc Torx® Bit Socket Set



 \mbox{Torx}^{\otimes} is a Registered Trademark of TEXTRON INC., Bits are not \mbox{Torx}^{\otimes} brand products.

Item#	UPC Code	Case Pack	Shelf Pack
648415	028907-241609	36	6

Contains one each of the following Torx® bit sockets:

1/4" Dr.: T-10, T-15, T-20, T-25, T-27, T-30

3/8" Dr.: T-40, T-45, T-50, T-55

1/2" Dr: T-60

12 Pc Torx® Bit Socket Set



Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

Item#	UPC Code	Case Pack	Shelf Pack
940146	028907-308722	36	6

Contains one each of the following Torx® bit sockets:

1/4" Dr.: T-10, T-15, T-20, T-25, T-27, T-30

3/8" Dr.: T-40, T-45, T-50, T-55

1/2" Dr: T-60, T-70

13 Pc Torx® Bit Socket Set





9 Pc Tamper Resistant Torx® Bit Set



Item#	UPC Code	Case Pack	Shelf Pack
940582	028907-325705	48	6

Contains one each of the following tamper resistant Torx® bit sockets:

1/4" Dr.: T-10, T-15, T-20, T-25, T-27, T-30

3/8" Dr.: T-40, T-45, T-50

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

10 Pc Tamper Resistant Torx® Bit Set



Item# UPC Code Case Pack Shelf Pack 646501 028907-055725 48 12

Contains one each of the following tamper resistant Torx® bits: T10, T15, T20, T25, T27, T30, R-0, R-1, R-2, R-3, and a plastic reusable bit holder.

Torx[®] is a Registered Trademark of TEXTRON INC., Bits are not Torx[®] brand products.

13 Pc Tamper Resistant Torx® Bit Set



Item#	UPC Code	Case Pack	Shelf Pack
648666	028907-118741	48	6
941129	028907-388007	48	6

Contains one each of the following tamper resistant Torx® bits: T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45, T-50, T-55 and 1/4" Dr. and 3/8" Dr. bit holders. (Magnetic base holder on 941129 only.)

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

13 Pc Tamper Resistant 5-Lobe Bit Set



Item#	UPC Code	Case Pack	Shelf Pack
941130	028907-388038	48	6

Contains one each of the following 5-lobe bits: T-8, T-12, T-15, T-20, T-25, T-27, T-30, T-42, T-45, T-50, T-55.

15 Pc Torx® Bit Driver Set





Item#	UPC Code	Case Pack	Shelf Pack
640702	028907-247823	48	6

Contains one each of the following Torx® bits: Short Shaft: T-10, T-15, T-20, T-25, T-30, T-40, T-45 Long Shaft Bits: T-20, T-25, T-30, T-40, T-45, T-50, T-55 3/8" Dr. Adapter

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648000	242101	T-9 1/4" Dr.	96	6
648679	129976	T-10 1/4" Dr.	96	6
648324	090993	T-15 1/4" Dr.	96	6
648325	091006	T-20 1/4" Dr.	96	6
648326	091013	T-25 1/4" Dr.	96	6
648327	091020	T-27 1/4" Dr.	96	6
648328	091037	T-30 1/4" Dr.	96	6
641402	053875	T-40 3/8" Dr.	96	6
641403	053882	T-45 3/8" Dr.	96	6
641408	091044	T-47 3/8" Dr.	96	6
641404	053899	T-50 3/8" Dr.	96	6
642400	054520	T-55 1/2" Dr.	48	6
642401	054537	T-60 1/2" Dr.	48	6
940363	312903	T-70 1/2" Dr.	48	6

Torx® Bit Sockets



Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

Item#	UPC Code	Case Pack	Shelf Pack
648667	028907-118758	48	6

Contains sizes:

1/4" Dr: E4, E5, E6, E7, E8 3/8" Dr: E10, E12, E14, E16, E18. Includes injection hanger.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

10 Pc External Torx® (E-Socket) Set



Item#	UPC Code	Case Pack	Shelf Pack
648887	028907-181325	36	6

Contains one each of the following sizes: 3/8" Dr. 5/16", 3/8", 8mm, 10mm.

4 Pc 6" Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
648889	028907-181356	36	6

Contains one each of the following sizes 3/8" Dr. 6mm, 8mm, 10mm, 12mm x 6" length.

For use on CV joint bolts and many other applications.

4 Pc 12 Pt Metric Triple Square **Long Bit Set**





6 Pc SAE/Metric Hex Bit Socket Set



Item# UPC Code Case Pack Shelf Pack 640052 028907-053066 48 6

Contains one each of the following sizes 3/8" Dr. 1/4", 5/16", 3/8", 7mm, 8mm, 10mm.

6 Pc 1/2" Dr. Large SAE/Metric Hex Bit Socket Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940145
 028907-308715
 30
 5

Contains one each of the following sizes 3/8", 1/2", 9/16", 12mm, 14mm, 17mm.

13 Pc Metric Hex Bit Set with Magnetic Base



Item#	UPC Code	Case Pack	Shelf Pack
941127	028907-387970	48	6

Contains one each of the following hex bits: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6 mm. Plus one 1/4" and one 3/8" drive bit coupler.

13 Pc SAE Hex Bit Set with Magnetic Base



Item#	UPC Code	Case Pack	Shelf Pack
941128	028907-387987	48	6

Contains one each of the following hex bits: 1/16", 3/32", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4". Plus one 1/4" and one 3/8" drive bit coupler.

3 Pc 1/2" Dr. Large SAE Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
641863	028907-374390	36	6

1/2", 9/16", 5/8"



Item#	UPC Code	Case Pack	Shelf Pack
641862	028907-374383	36	6

12, 14, 17.

3 Pc 1/2" Dr. Large Metric Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
647059	028907-271965	36	6

Contains one each of the following sizes: 3/8" Dr. 7/32", 1/4", 5/16", 3/8".

4 Pc SAE 4" Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack	
648661	028907-118697	48	6	

Contains one each of the following sizes: 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

7 Pc 3/8" Dr. SAE Hex Bit Socket Set



Item#	Item# UPC Code		Shelf Pack
940569	028907-322506	48	6

Set includes 1 each of the following sizes: 1/4", 5/16", 3/8", 8mm hex bit sockets, T-40, T-45, T-50, T-60 Torx® bit sockets.

 \mbox{Torx}^{\otimes} is a Registered Trademark of TEXTRON INC., Bits are not \mbox{Torx}^{\otimes} brand products.

8 Pc Disc Brake Caliper Socket Bit Set



Item#	UPC Code	Case Pack	Shelf Pack
648337	028907-241579	48	6

T-40, T-45, T-50. For removing caliper bolts on domestic and import vehicles.

3 Pc 3/8" Dr. Brake Caliper Torx® Bit Set





4 Pc 6" Brake Caliper Torx® Bit Set



Item#	UPC Code	Case Pack	Shelf Pack	
648888	028907-181349	36	6	

3/8" Dr. T-40, T-45, T-47, T-50. For use on Torx® fasteners. 6 inch length.

Torx[®] is a Registered Trademark of TEXTRON INC., Bits are not Torx[®] brand products.

3 Pc Hex Bit Set



Item# UPC Code Case Pack Shelf Pack 647057 028907-271866 72 6

3/8", 8mm, 10mm. For removing hex caliper bolts on domestic and import vehicles.

36 Pc Color Coded Security Bits Set





Item#	UPC Code	Case Pack	Shelf Pack	
940668	028907-322944	36	6	

Color coded bits for easy identification. Durable storage case includes: Torx®, Hex, TORQ-SET®, Spanner and Tri-Wing tamper proof bits. Also includes 1/4" adapter and quick release bit chuck.

Torx[®] is a Registered Trademark of TEXTRON INC., Bits are not Torx[®] brand products.

8 Pc 3/8" Dr. SAE Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack	
642404	028907-277318	48	6	

Contains one each of the following sizes: 1/8", 9/64", 5/32",3/16", 7/32", 1/4", 5/16", 3/8".

4 Pc 4" Metric Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
647060	028907-271972	36	6

Contains one each of the following sizes: 3/8" Dr. 6mm, 7mm, 8mm, 10mm.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641400
 028907-053851
 96
 6

For removing hex caliper bolts on domestic and import vehicles.

3/8" Hex Bit Socket



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940149
 028907-308753
 16
 4

Contains one each of the following sizes: 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm.

7 Pc 1/2" Dr. Metric Hex Bit Socket Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940148
 028907-308746
 16
 4

Contains one each of the following sizes: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8".

7 Pc 1/2" Dr. SAE Hex Bit Socket Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648663
 028907-118710
 48
 6

Contains one each of the following sizes: 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 10mm.

7 Pc 3/8" Dr. Metric Hex Bit Socket Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 642405
 028907-277301
 48
 6

Contains one each of the following sizes: 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm.

8 Pc 3/8" Dr. Metric Hex Bit Socket Set





8 Pc 3/8" Dr. SAE Ball End Hex Bit Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
642402	028907-275574	48	12

Contains one each of the following sizes: 1/8", 9/64", 5/32",3/16", 7/32", 1/4", 5/16", 3/8".

8 Pc 3/8" Dr. Metric Ball End Hex Bit Socket Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 642403
 028907-275581
 48
 12

Contains one each of the following sizes: 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm.

3/8 " Dr. SAE Hex Bit Sockets





Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
940143	308692	1/8" 3/8" Dr.	96	6
940144	308708	9/64" 3/8" Dr.	96	6
648430	277028	5/32" 3/8" Dr.	96	6
640349	211602	3/16" 3/8" Dr.	96	6
640350	211619	7/32" 3/8" Dr.	96	6
648662	118703	1/4" 3/8" Dr.	96	6
640554	234212	5/16" 3/8" Dr.	96	6
641400	053851	3/8" 3/8" Dr.	96	6

3/8" Dr. Metric Hex Bit Sockets



Item#	UPC Code 028907-	Description	Case Pack	Shelf Pack
648323	276984	3mm 3/8" Dr.	96	6
648418	276991	4mm 3/8" Dr.	96	6
640347	211589	5mm 3/8" Dr.	96	6
640556	234236	6mm 3/8" Dr.	96	6
648664	118727	7mm 3/8" Dr.	96	6
648665	118734	8mm 3/8" Dr.	96	6
648835	179032	8mm 3/8" Dr. Extended	72	6
648425	277011	9mm 3/8" Dr.	96	6
641401	053868	10mm 3/8" Dr.	96	6
648834	179025	10mm 3/8" Dr. Extended	72	6



Item#

UPC Code

Case Pack Shelf Pack

940953

028907-314457

6

1

Contains one each of the following sizes: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm.

7 Pc Metric Long Hex Key Set



Item# 940412 **UPC** Code

Case Pack Shelf Pack

6

028907-314440

1

Contains one each of the following sizes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4".

7 Pc SAE Long Hex Key Set



Item# 940954

feel.

UPC Code 028907-359922

Case Pack

Contains: T-6, T-7, T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30. Brand new unique groove handle for better grip and

Shelf Pack

32

10 Pc SAE Folding Torx® Key Set



Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

Item# 940949

UPC Code 028907-359908 Case Pack Shelf Pack

32

8 Pc Metric Folding Ball End Hex Key Set

Contains: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 5.5mm, 6mm.



Item# 940953

UPC Code 028907-359915 Case Pack Shelf Pack 32

6

Contains: 1/16", 5/64", 3/32", 7/64", 1/8", 5/32", 3/16", 7/32', 1/4".

9 Pc SAE Folding Ball End Hex Key Set





9 Pc Metric Ball End Hex Key Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640082
 028907-061443
 48
 12

Contains: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm.

9 Pc SAE Ball End Hex Key Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640081
 028907-061436
 48
 12

Contains: 1/16", 5/64", 3/32", 1/8", 5/32", 1/4", 5/16", 3/8".

26 Pc SAE, Metric, Torx® Long Arm Hex Key Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640960
 028907-273518
 6
 1

Contains: Long arm ball-end metric hex sizes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm Long arm standard SAE sizes: 1/16", 5/64", 3/32", 1/8", 5/32', 3/16", 1/4", 5/16", 3/8". Torx® hex sizes; T-9, T10, T-15, T-20, T-25, T-27, T-30, T-40.

Torx® is a Registered Trademark of TEXTRON INC., Bits are not Torx® brand products.

6 Pc Torx® Short Arm Hex Key Set



Item# UPC Code Case Pack Shelf Pack 640685 028907-246871 36 6

Contains one each of the following sizes: T-40, T-45, T-47, T-50, T-55, T-60.

 $\mathsf{Torx}^{\$}$ is a Registered Trademark of TEXTRON INC., Bits are not $\mathsf{Torx}^{\$}$ brand products.

10 Pc T-Handle Torx® Key Set



Item#	UPC Code	Case Pack	Shelf Pack
940200	028907-310954	8	1

T-7, T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40.

Torx[®] is a Registered Trademark of TEXTRON INC., Bits are not Torx[®] brand products.
 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940202
 028907-310978
 8
 1

1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 5.5mm, 6mm, 8mm, 10mm.

10 Pc Metric T-Handle Ball End Hex Key Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940201
 028907-310961
 8
 1

1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

10 Pc SAE T-Handle Ball End Hex Key Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648599
 028907-103679
 48
 6

For cylinder head and brake caliper bolts. Set contains 6, 8, 10 and 12mm 12-point (or triple-square) chrome molybdenum steel serrated wrenches. 1/2" 6-point hex shank fits wrench or socket.

4 Pc Internal Wrench Set, 12 Pt









 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641990
 028907-276441
 32
 8

Contains one each of the following sizes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4".

8 Pc 3/8" Dr. SAE Universal Socket Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641991
 028907-276458
 32
 8

Contains one each of the following sizes: 8mm, 10mm, 12mm, 13mm, 14mm, 17mm, 18mm, 19mm.

8 Pc 3/8" Dr. Metric Universal Socket Set





Stud Remover



Item#	UPC Code	Case Pack	Shelf Pack
648639	028907-104874	24	6

For removing broken or seized studs, bolts, etc. from 1/4" to 3/4" diameter. Knurled roller uses cam action to grasp stud firmly while minimizing damage. Use with 1/2" Dr. ratchet. Plated.

4 Pc SAE Stud Puller Set











UPC Code Item# Case Pack Shelf Pack 647081 028907-272825 12 6

Set includes 1/4", 5/16", 3/8", & 7/16" tools for removing broken or worn studs and/or installing new studs without damage to threads.

1/4" 3/8" Dr. Stud Remover/Installer



Item#	UPC Code	Case Pack	Shelf Pack
940414	028907-314501	96	6

1/4" tool for removing broken or worn studs and/or installing new studs without damage to threads.

5/16" 3/8" Dr. Stud Remover/Installer



940415	028907-314532	96	6	
Item#	UPC Code	Case Pack	Shelf Pack	

5/16" tool for removing broken or worn studs and/or installing new studs without damage to threads.

3/8" 1/2" Dr. Stud Remover/Installer



Item#	UPC Code	Case Pack	Shelf Pack
940416	028907-314549	96	6

3/8" tool for removing broken or worn studs and/or installing new studs without damage to threads.



Item# UPC Code Case Pack Shelf Pack 940417 028907-314556 96 6

7/16" tool for removing broken or worn studs and/or installing new studs without damage to threads.

7/16" 1/2" Dr. Stud Remover/Installer



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940418
 028907-314563
 96
 6

1/2" tool for removing broken or worn studs and/or installing new studs without damage to threads.

1/2" 1/2" Dr. Stud Remover/Installer



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 647082
 028907-272832
 12
 6

Set includes 6, 8, 10, 12mm tools for removing broken or worn studs and/or installing new studs without damage to threads.

4 Pc Metric Stud Puller Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940419
 028907-314570
 96
 6

6mm tool for removing broken or worn studs and/or installing new studs without damage to threads.

6mm 3/8" Dr. Stud Remover/Installer



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940420
 028907-314587
 96
 6

8mm tool for removing broken or worn studs and/or installing new studs without damage to threads.

8mm 3/8" Dr. Stud Remover/Installer





10mm 3/8" Dr. Stud Remover/Installer



Item#	UPC Code	Case Pack	Shelf Pack
940421	028907-314594	96	6

10mm tool for removing broken or worn studs and/or installing new studs without damage to threads.

12mm 3/8" Dr. Stud Remover/Installer



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940422
 028907-314600
 96
 6

12mm tool for removing broken or worn studs and/or installing new studs without damage to threads.

Fender Cover



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 640083
 028907-061474
 48
 12

Protects fenders from damage. Durable vinyl exterior with soft inner liner. 24" x 35".





Item#	UPC Code	Case Pack	Shelf Pack
940389	028907-313788	36	3

For removal or installation of oil filters.

Medium Oil Filter Pliers (2-3/4" - 3-1/8")



Item#	UPC Code	Case Pack	Shelf Pack
940392	028907-313795	36	3

For removing surface rust on brake rotors and lug studs as well as any other metal surface.

Large Oil Filter Pliers (2-5/16" - 3-5/8")



Item#	UPC Code	Case Pack	Shelf Pack
940393	028907-313801	36	3

For removal or installation of oil filters.

Xtra Large Oil Filter Pliers (2"- 5")



Item#	UPC Code	Case Pack	Shelf Pack
641386	028907-354088	30	5

For removing hard-to-reach oil filters. Jaws rotate 90 degrees to gain access from any angle. With slip joint style adjustibility, fits filters from 2-1/4 to 4-3/4-inch diameter.

Swivel Jaw Oil Filter Wrench



LUBRICATION

Item#	UPC Code	Case Pack	Shelf Pack
648978	028907-374857	24	6

Uses standard 3 oz. grease cartridge or hand pack. 3000 PSI working pressure. Pistol grip action for ease of use. Air bleeder valve eliminates air lock. Heavy duty steel construction. Includes 6" extension pipe, 12" flex hose and 3 oz. grease cartridge.

Mini Grease Gun with 3 oz. Grease Tube



Item#	UPC Code	Case Pack	Shelf Pack
648998	028907-375601	24	6

Uses standard 3 oz. grease cartridge or hand pack. 3000 PSI working pressure. Pistol grip action for ease of use. Air bleeder valve eliminates air lock. Heavy duty steel construction. Includes 6" extension pipe and 3 oz. grease cartridge.

Mini Grease Gun with 3 oz. Grease Tube



Item#	UPC Code	Case Pack	Shelf Pack
648755	028907-156378	40	4

Uses standard 3 oz. grease cartridge or hand pack. 3000 PSI working pressure. Pistol grip action for ease of use. Air bleeder valve eliminates air lock. Heavy duty steel construction. Includes 6" extension pipe.

Mini Grease Gun



Item#	UPC Code	Case Pack	Shelf Pack
648942	028907-192345	20	1

Uses standard 14 oz. cartridges. 6000 PSI working pressure. Includes 6" extension pipe and grease coupler. Heavy duty steel construction with painted finish.

Lever Action Grease Gun





Item#	UPC Code	Case Pack	Shelf Pack
648940	028907-192321	15	1

Uses standard 14 oz. cartridges or hand pack. Lightweight, durable die-cast aluminum head with bulk loader fitting and air bleeder valve. No-slip textured and chrome-plated barrel finish. One-way flow valve prevents grease back-up under high counter pressure. Rubber coated lever handle allows for better grip and leverage.

Item#	UPC Code	Case Pack	Shelf Pack
648754	028907-156361	15	1
648941	028907-192338	15	1

Uses standard 14 oz. cartridges, bulk fill or hand pack. Convenient one-handed operation. Knurled barrel for non-slip grip. Durable chrome plated finish. Includes push-button air bleeder valve to prevent air lock. Includes 4" steel extension, coupler and bulk fill adapter. 648754 is packaged in a double blister. 648941 is in a color box.

Lever Action Grease Gun (Chrome)



5,000 PSI Pistol Grip Grease Gun



Item#	UPC Code	Case Pack	Shelf Pack
940756	028907-343990	12	1

Heavy duty aluminum anodized canister with rubber grip for better operation. Includes 12" flex hose and 5 1/2" metal extension with coupler. Uses standard 14 oz. cartridge, bulk pack and hand pack. Rubber-coated handle for better grip and leverage.

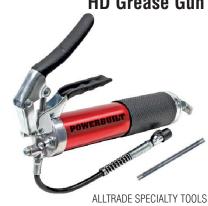
Item#	UPC Code	Case Pack	Shelf Pack
940798	028907-350950	10	1

Heavy duty aluminum anodized canister with rubber grip for better operation. Includes 12" flex hose and 5 1/2" metal extension with coupler. Uses standard 14 oz. cartridge, bulk pack and hand pack. Rubber coated handle for better grip and leverage. Pistol cap handle for upright operation and better comfort.

4500 PSI Anodized Lever HD Grease Gun



4500 PSI Anodized Pistol Grip HD Grease Gun





6,000 PSI Pneumatic Grease Gun



Item#	UPC Code	Case Pack	Shelf Pack
641347	028907-289649	10	1

Uses standard 14 oz. cartridges, bulk or suction fill. Heavy-duty die cast head with convenient trigger control and bleeder valve. Knurled no-slip barrel. Includes 6" steel extension coupler, and flex extension hose. Connects to standard air compressor for operation.

Suction Gun



Item#	UPC Code	Case Pack	Shelf Pack
648756	028907-156392	20	1

For filling and draining transmissions, differentials, gear cases, etc. Includes 12" flexible delivery tube. Knurled barrel for non-slip grip. One piece die cast head minimizes leakage. Deluxe lip seal for maximum suction. Use with any non-corrosive lubricant.

3,000 PSI Coupler



Item#	UPC Code	Case Pack	Shelf Pack
648760	028907-156439	384	24

Knurled body for ease of use. 1/8" NPT threads fit most grease guns and extensions.

10,000 PSI Heavy Duty Coupler



Item#	UPC Code	Case Pack	Shelf Pack
648761	028907-156446	360	24

Hardened steel body with double-wall construction. Knurled body and hex nut for ease of use. 1/8" NPT threads fit most grease guns and extensions.

90° Coupler



Item#	UPC Code	Case Pack	Shelf Pack
648815	028907-171180	384	24

Great for fittings with limited access. Polyurethane seal provides solid mating with grease fittings. 1/8" NPT threads fit most grease guns and extensions. Not recommended for high-pressure applications.



Item#	UPC Code	Case Pack	Shelf Pack
648759	028907-156422	144	24

For hard to reach grease fittings. 6000 PSI working pressure. Ball bearing joints for unrestricted movement. O-ring seals prevent leaks. 1/8" NPT threads fit most grease guns and couplers.

360° Swivel Connector



Item#	UPC Code	Case Pack	Shelf Pack
641941	028907-396637	96	12

For precision lubrication in tight and hard to reach places and components. Smooth actuator for greater control and placement of lubricant.

Pen Style Precision Oil Dispenser



Item#	UPC Code	Case Pack	Shelf Pack
648762	028907-156453	1200	24

For injecting grease into sealed bearings and other hard to reach areas. For use with hand operated grease guns. Fits all standard couplers.

Grease Injector Needle



Item#	UPC Code	Case Pack	Shelf Pack
648765	028907-156484	720	24

For dispensing a thin line of grease. Fits 1/8" NPT extensions and flexible hoses. 5/8" needle length. 0.219" needle diameter. 0.046" tip diameter. For use with hand operated grease guns only.

5/8" Needle Nose Dispenser





1-1/2" Needle Nose Dispenser



Item#	UPC Code	Case Pack	Shelf Pack
648766	028907-156491	1200	24

For dispensing a thin line of grease in hard to reach areas. Fits 1/8" NPT extensions and flexible hoses. 1-1/2" needle length. 0.219" needle diameter. 0.046" tip diameter. For use with hand operated grease guns only.

6" Needle Nose Dispenser



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648767
 028907-156507
 240
 24

For dispensing a thin line of grease in hard to reach areas. Fits 1/8" NPT extensions and flexible hoses. 6" needle length. 0.219" needle diameter. 0.046" tip diameter. For use with hand operated grease guns only.

Seal Off Dispenser



Item#	UPC Code	Case Pack	Shelf Pack
648769	028907-156521	1200	24

For lubricating grease plugs and small access holes. Rubber tip seals entry hole. Attaches to 1/8" NPT extension or flexible hose. For use with hand operated grease guns only.

4" Needle Nose Adapter



Item#	UPC Code	Case Pack	Shelf Pack
648763	028907-156460	600	24

For dispensing a thin line of grease in hard to reach areas. Includes small and large locking sleeves to fit all couplers. 4" needle length. 0.25" needle diameter. 0.046" tip diameter.

7 Pc Accessory Set



Item#	UPC Code	Case Pack	Shelf Pack
647998	028907-375632	10	10

Seven of the most common use lubrication attachments. Work with most standard grease guns. Includes handy storage case for easy organization and storage.





Item#	UPC Code	Case Pack	Shelf Pack
648783	028907-156736	144	12

8 Piece Assorted Grease Fittings - 1/4" - 28

Contents

4pc 1/4"-28 Straight 2pc 1/4"-28 45° 2pc 1/4"-28 90°

Meets Specifications SAE J-534.





6 Piece Assorted Grease Fittings -



Item#	UPC Code	Case Pack	Shelf Pack
648784	028907-156743	144	12

Contents

2pc 1/8"-27 Straight 2pc 1/8"-27 35° 2pc 1/8"-27 90°

Meets Specifications SAE J-534.







1/8" - 27

Item#	UPC Code	Case Pack	Shelf Pack
648785	028907-156750	144	12

Contents

 2pc
 6mm
 Straight

 2pc
 6mm
 90°

 2pc
 10mm
 Straight

 2pc
 10mm
 90°

Meets Specifications SAE J-534.

8 Piece Assorted Grease Fittings - 6 & 10 mm









Item#	UPC Code	Case Pack	Shelf Pack
648786	028907-156750	144	12

Contents

4pc 3/16" Drive Fit 2pc 1/4" Drive Fit 2pc 3/16" 90° Drive Fit

Meets Specifications SAE J-534. Drive fit can be used by drilling holes and tapping fittings into place.

8 Piece Assorted Grease Fittings -Universal









8 Piece Assorted Grease Fittings - Metric (M6 thread)







Item#	UPC Code	Case Pack	Shelf Pack
648972	028907-374826	144	12

Contents

4pc	M6	Straight
2pc	M6	90°
2pc	M6	45°

Meets Specifications SAE J-534.

8 Piece Assorted Grease Fittings - SAE (1/4" - 28 thread)







Item#	UPC Code	Case Pack	Shelf Pack	
648971	028907-374819	144	12	

Contents

4pc	1/4"- 28	Straight
2pc	1/4"- 28	90°
2pc	1/4"- 28	45°

Meets Specifications SAE J-534.

70 Piece Grease Fittings Assortment



Item#	UPC Code	Case Pack	Shelf Pack	
648974	028907-374840	24	6	

70 pc. assorted grease fittings in reusable plastic storage case.

Contents

Contents)	
Straight	20pc	1/4" - 26
	10pc	1/8" - 27
	10pc	M6
45°	5pc	1/4" - 28
	5pc	1/8" - 27
	5pc	M8
90°	5рс	1/4" - 28
	5pc	1/8" - 27
	5pc	M8

Meets Specifications SAE J-534.





Item#	UPC Code	Case Pack	Shelf Pack
648757	028907-156408	200	10

For hard to reach grease fittings. 3,500 PSI working pressure. Burst pressure of 11,600 PSI. 1/8" NPT thread fits most hand-operated grease guns.





Item#	UPC Code	Case Pack	Shelf Pack
648813	028907-171159	300	10

5,800 PSI working pressure. Spring protector to resist kinking. For hard to reach grease fittings. Burst pressure of 13,775 PSI. 1/8" NPT thread fits most grease guns.

12" Heavy Duty Flex Hose with Spring Protector



Item#	UPC Code	Case Pack	Shelf Pack
648986	028907-375489	100	10

For hard to reach grease fittings. 3,500 PSI working pressure. Burst pressure of 11,600 PSI. 1/8" NPT thread fits most hand-operated grease guns.

18" Grease Gun Flex Hose



Item#	UPC Code	Case Pack	Shelf Pack
648758	028907-156415	200	10

3,500 PSI working pressure. Spring protector to resist kinking. For hard to reach grease fittings. Burst pressure of 11,600 PSI. 1/8" NPT thread fits most hand-operated grease guns.

18" Flex Hose with Spring Protector



Item#	UPC Code	Case Pack	Shelf Pack
648814	028907-171173	200	10

5,800 PSI working pressure. Spring protector to resist kinking. For hard to reach grease fittings. Burst pressure of 13,775 PSI. 1/8" NPT thread fits most grease guns.

18" Heavy Duty Flex Hose with Spring Protector





Bearing Packer



Item#	UPC Code	Case Pack	Shelf Pack
648480	028907-102467	72	6

For clean, easy and thorough packing of bearings. Fits standard grease gun couplers.

Deluxe Portable Bearing Packer



Item#	UPC Code	Case Pack	Shelf Pack
648594	028907-374710	24	6

Works on bearings up to 3-1/2" OD. Clean and easy method for greasing bearings. Grease stays in tool cavity and will not leak out.

Grease Gun Holder



Item#	UPC Code	Case Pack	Shelf Pack
648775	028907-156606	144	24

For attaching grease guns to wall or vehicle. Keeps gun handy and secure.

6 oz. Oil Can



Item#	UPC Code	Case Pack	Shelf Pack
648750	028907-156293	100	10

Easy to use pistol grip. 5" Flexible braided hose. Powder coat finish. Pump has two ball valves for larger delivery volume. Includes base for added stability.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648751
 028907-156316
 72
 12

Easy to use thumb lever. 5" flexible braided hose. Powder coat finish. Pump has two ball valves for larger delivery volume.

16 oz. Lever Style Oil Can



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648770
 028907-156538
 10
 1

For use with oil-based fluids such as motor oil, heating oil, light or heavy oils. Fits 30 to 55 gallon barrels. 10 oz. fluid delivery per stroke. All steel piston and foot valve. Curved metal spout. Includes 1-1/2" and 2" bung adapters. Durable powder coated finish. Not for use with water-based fluids, solvent, acids or antifreeze.

Lever Action Barrel Hand Pump



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648771
 028907-156545
 4
 1

For use with light to medium viscosity oils. Fits 30 to 55 gallon barrels. Durable cast iron housing. Curved metal spout. Includes 2" bung adapter. Not for use with water-based fluids, solvent, acids or antifreeze.

Rotary Barrel Pump



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648772
 028907-156552
 10
 1

For use with motor oil, transmission fluid, gear oil, etc. Fits 25 to 50 lb/5 gal/20L buckets. Delivers 15 oz per stroke. 18" pump body. 48" PVC hose with nozzle for convenient discharge. Ribbed cover for added strength.

Lever Bucket Pump



ALLTRADE SPECIALTY TOOLS



Fluid Oil Pump



Item#	UPC Code	Case Pack	Shelf Pack
648959	028907-195551	24	6

Perfect for dispensing lubrication fluid for transmissions, differentials, crank cases, etc. Fits directly onto most quart, half gallon and gallon containers.

Multi-Use Transfer Pump



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940577
 028907-324760
 24
 6

The multi-use transfer pump is perfect for transferring low viscosity oils and siphoning gas. Also can be used as an air pump inflator with included inflation sleeve.

Outboard Motor Oil Pump



Item#	UPC Code	Case Pack	Shelf Pack
648960	028907-201627	24	6

Ideal for adding oil to small engines and, with adapter for marine units, this product is ideal for fluid transfer in Mercruiser, OMC, Evinrude, Johnson, Volvo, Force Gamefisher and Honda marine engines (70 HP and up). Can transfer oil/fluid by directly connecting to most quart size containers.

Fuel/Oil Filter Socket for Ford 6.0 Diesel



Item#	UPC Code	Case Pack	Shelf Pack
940402	028907-314013	60	6

For removing and installing fuel filters on 6.0 Ford Diesel Trucks. Fits both 35mm & 36mm filters. 3/8" Dr.

Cummins Fuel Filter Socket



Item#	UPC Code		Shelf Pack
940408	028907-314198	60	6

For removing and installing fuel filters on 5.9 Cummins Diesel Engines. 29mm - 3/8" Dr.

CONSUMER SERVICE KITS



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 948002
 028907-387611
 12
 12

Removes and installs pulleys with hubs that are 1-1/8", 1-1/4", 1-5/16" and 1-3/8" in diameter. Used on many domestic and import cars and trucks.

Power Steering Pump Pulley Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 948003
 028907-387628
 10
 10

Disconnect tools that separate fittings on fuel, filter, transmission, air conditioning systems and fuel tank return lines on most vehicles, trucks and other heavy equipment.

12 Pc Fuel/Transmission/ A/C Line Disconnect Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 948004
 028907-387635
 6
 6

Installs tapered bearing races and seals with damage to component or housing.

9 pc. adaptors:

Size: 1.565", 1.75", 1.965", 2.31", 2.47", 2.555", 2.83",

2.995", 3.18".

Bearing and Race Installer Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 948005
 028907-387642
 12
 12

Easily removes vacuum switches, oil pressure sending units and oxygen sensors on most car models.

7 Pc Oxygen Sensor Socket Set



105



CONSUMER SERVICE KITS

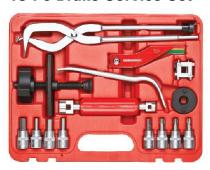
Master Tubing Service Kit



Item#	UPC Code	Case Pack	Shelf Pack
948006	028907-387659	b	b

Complete kit for cutting and mending tubing for brake lines, A/C line, etc.

15 Pc Brake Service Set



Item#	UPC Code	Case Pack	Shelf Pack
948007	028907-387666	5	5

Remove and install brake pads. Adjust brake drums and shoe clearance. Includes all tools needed to perform general brake maintenance on most vehicles.

8 Pc. Air Hold and Compression Check Kit



Item#	UPC Code	Case Pack	Shelf Pack
948008	028907-387673	12	12

Set includes a compression gauge with protective boot and special air-hold valve for easy reset, one extension, two hand-held adapters and flexible line with three brass adapters. Gauge checks from 0 to 300 PSI (0 to 21kg/cm).

Coil Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
948012	028907-399744	12	1

For removing and installing automotive coil springs. Works on straight or curved coil springs. Chrome vanadium steel arms are unequal lengths to better follow the spiral of the spring.



Loan, rent or sell your customers a kit that actually helps them do the repair.

Each kit includes step-bystep usage instructions and photos showing the tool in use. Instruction sheets are laminated to resist staining, and are permanently fastened to the case. All instructions are developed by a professional repair manual writer.

Customer Service & Parts Replacement

Order missing or broken parts for rental/commercial kits using our toll-free hotline to our professional customer service parts and repair team. End-users who purchase the kits will enjoy the same superior service and support directly from Alltrade.

1-800-423-3598



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648610
 028907-103785
 12
 1

Kit 23 For flaring automotive tubing. Precisely flares copper, aluminum and mild steel tubing up to .040" wall thickness. Flares 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" sizes. Heat-treated clamping bar and yoke assembly. Creates both single and double flares. Kit includes usage photos and instructions.





9 Pc Double Flaring Tool Kit





ISO "Bubble" Flaring Tool Set



Item#	UPC Code	Case Pack	Shelf Pack
648990	028907-271415	6	1

Kit 55 For creating International Standard Organization (ISO) "bubble" tubing flares (known as metric bubble flares) for connecting steel lines to hydraulic components in the braking systems on many European, Japanese and domestic cars and light trucks. Carry case includes usage photos and instructions. Lifetime warranty.



Disc Brake Tool Set





Item#	UPC Code	Case Pack	Shelf Pack
648601	028907-103693	8	1

Kit 18 For disc brake caliper piston adjustment. Dual-purpose tool is used both to adjust the piston position by screwing it into or out of the cylinder bore and to push piston straight back in the cylinder bore. Kit contains center screw and T-handle, plate, disc and adapters to work with all calipers, including rear calipers on vehicles with self-adjusting parking brakes. Storage case complete with laminated instruction sheets with photos.

Master Disc Brake Set



Item#	UPC Code	Case Pack	Shelf Pack
648622	028907-230344	4	1

Kit 48 For servicing disc brakes on most domestic and import vehicles. Kit includes usage photos and instructions.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641341
 028907-346182
 2
 1

Kit 75 For bleeding master cylinders on select Japanese and European vehicles.



Master Cylinder Adapter Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648996
 028907-276281
 6
 1

Kit 66 For installing wheel bearings and seals found on many domestic and imported cars, trucks and SUVs. Includes common sizes of seal and bearing drivers. Carry case includes usage photos and instructions. Lifetime warranty.



Master Bearing Race & Seal Driver Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648741
 028907-152912
 2
 1

Kit 27 Removes and installs wheel bearings with steering knuckle and strut assembly still on the vehicle - eliminates need for alignment. Works on both domestic and import FWD vehicles.



23 Pc Front Wheel Drive Wheel Bearing Remover & Installation Set





4 Pc Axle Nut Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
648635	028907-104836	6	1

Kit 10 For removing front wheel drive axle nuts. Impact rated 6-point chrome vanadium sockets. Kit contains 30mm, 32mm, 34mm and 36mm sockets to cover almost all applications. Storage case complete with laminated instruction sheets with photos.



9 Pc Deluxe Axle Nut Socket Set



648991	028907-272849	12	1	
Item#	UPC Code	Case Pack	Shelf Pack	

Kit 61 For removing front wheel drive axle nuts. Tough 6-point chrome vanadium sockets are impact rated. Kit contains 27mm, 29mm, 30mm, 32mm, 33mm, 34mm, 35mm, 36mm and 38mm sockets to cover almost all applications.



7 Pc Wheel Bearing Locknut Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648642
 028907-272269
 4
 1

Kit 58 For servicing wheel bearing locknuts found on many Ford, Dodge and Toyota trucks and SUVs. Carry case includes usage photos and instructions.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648636
 028907-104843
 4
 1

Kit 11 For removing spindle nuts. Impact rated 6-point chrome vanadium sockets. Storage case complete with laminated instruction sheets with photos.



5 Pc Spindle Nut Socket Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641326
 028907-345666
 10
 1

Kit 83 For removing oil filters on various automobiles with special sized oil filters. Includes: 24mm, 27mm, 29mm, 32mm, 36mm and 38 mm sizes.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648993
 028907-272917
 4
 1

Kit 63 For removing wheel nuts from Budd wheels and dual rear wheels found on medium and heavy duty imported and domestic trucks, including Fuso, Hino, Mack, Mitsubishi, Isuzu, White and Volvo trucks. Carry case includes usage photos and instructions.



Master Budd Wheel Socket Set





10 Pc Ball Joint Service Set



Item#	UPC Code	Case Pack	Shelf Pack
940579	028907-325095	3	1

Kit 72 Removes and replaces most sizes of press-fit ball joints found on domestic and import rear wheel drive cars, as well as Ford, GM and Dodge 2 and 4 wheel drive pickups, vans and SUVs. Allows changeout of ball joint without removal of control arm. Also can be used to remove and replace U-joints. Case included.



Ball Joint/U-Joint Service Set



Item#	UPC Code	Case Pack	Shelf Pack
648602	028907-103709	2	1

Kit 24 Removes and replaces all sizes of press-fit ball joints found on domestic and import rear wheel drive cars, as well as Ford, GM and Dodge 2 and 4 wheel drive pickups, vans and SUVs. Allows changeout of ball joint without removal of control arm. Also can be used to remove and replace U-joints.



23 Pc Ball Joint/U-Joint Service Set



Item#	UPC Code	Case Pack	Shelf Pack	
648617	028907-230368	2	1	

Kit 46 Removes and installs pressed-in type ball joints found on most vehicles. Changes ball joint without removing control arm from the vehicle.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 940581
 028907-325118
 4
 1

14 pc Master Ball Joint Adapter Set

Kit 74 Contains additional Ball Joint Adapters not contained in Ball Joint Service Set # 940579. Case included.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641321
 028907-344898
 12
 1

Kit 76 For removing and installing lower ball joints on 1993-1997 Honda Accord, Civic, El Sol and Preludes.



Honda Lower Ball Joint Tool Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641322
 028907-344904
 12
 1

Kit 77 For removing and installing lower ball joints on many Ford vehicles. 1996-2004 Ford Taurus and Mercury Sables. Removes and installs lower ball joints without having to replace the entire spindle assembly.



Ford Lower Ball Joint Adapter Set





Specialty Ball Joint Kit



Item#	UPC Code	Case Pack	Shelf Pack
648749	028907-155166	6	1

Kit 32 For removing and installing ball joints on many Chrysler vehicles. Special 4-sided sockets provide a positive fit on the unique special threaded upper ball joints. Durable hardened sockets are 3/4" square drive to allow the use of the long breaker bars necessary to generate the very high torque required. Kit includes usage photos and instructions.



General Purpose Bushing Driver Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641335
 028907-346090
 12
 1

Kit 81 Removes and installs small and medium press-in bushings on cars, trucks, tractors, construction equipment, etc.



Upper Control Arm Bushing Service Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648604
 028907-103723
 6
 1

Kit 25 Removes and installs press-in bushings without removing control arm from vehicle. Includes all necessary adapters and inserts. For RWD Ford, GM and Chrysler vehicles.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648608
 028907-230290
 4
 1

Kit 40 For removing hub and axle on Ford Taurus, Tempo and Escort, and Mercury Topaz, Tempo and Lynx vehicles. Carry case includes usage photos and instructions.



Master Hub Puller Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648742
 028907-153094
 4
 1

Kit 28 For removing and installing front axle shafts and hubs on Ford vehicles. Includes puller and installer tools for Ford Taurus, Tempo, Escort and Probe, and Mercury Sable, Topaz and Lynx vehicles. Hardened steel construction. Kit includes usage photos and instructions.



Front Hub Remover & Installer Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648569
 028907-374031
 2
 4

Kit 95 For pulling automotive wheel hubs including front hubs on front wheel drive vehicles and rear hubs on rear wheel drive, independent rear suspension vehicles. Maximum reach 7-1/2". Fully adjustable.



Universal Hub Puller Kit





2 Pc Hub Puller Set





Item#	UPC Code	Case Pack	Shelf Pack
648643	028907-107011	4	1

Kit 4 For pulling automotive wheel hubs including front hubs on front wheel drive vehicles and rear hubs on rear wheel drive, independent rear suspension vehicles. Pullers employ a 4-hole design that adjusts to fit any hub, regardless of the number of wheel studs. Will not distort wheel lugs. Front puller is 3-1/2" deep, with a 5" spread. Rear puller is 1/2" deep with a 6" spread. Kit includes pullers, 5/8" x 5-1/2" national fine center screw and matching nut. Storage case complete with laminated instruction sheets with photos.

18 Pc Slide Hammer Puller Kit



Item#	UPC Code	Case Pack	Shelf Pack
940369	028907-313009	3	1

Kit 71 Set includes many attachments such as; hub puller, rear axle puller, internal and external pullers, locking pliers adapter, dent puller and puller hook. Case included.



21 Pc Master Axle Puller Kit



Item#	UPC Code	Case Pack	Shelf Pack
648611	028907-230306	3	1

Kit 41 For removing front and rear axles, axle bearings and seals from front and rear wheel drive vehicles. Can also be used as a slide hammer, for dent pulling and gear pulling duty. Carry case includes usage instructions and photos.





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648743
 028907-155098
 3
 1

Kit 31 For removing rear axle shafts. Includes yoke, slide hammer and bearing hooks. Storage case complete with laminated instruction sheets with photos.



Rear Axle Puller Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648626
 028907-103945
 4
 1

Kit 3 For automotive front end work including changing tie rod ends, ball joints steering linkages and steering boxes. Pullers designed to permit part reuse versus "pickle-fork" type tools that may damage parts. Kit contains tie rod end pullers, pitman arm puller, ball joint remover, and tie rod end lifter. Storage case complete with laminated instruction sheets with photos.

Front End Service Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648646
 028907-169282
 6
 1

Kit 15 For separating tie rod, ball joints and pitman arms. Kit contains 1-1/8" pitman arm fork, 15/16" ball joint fork, and 11/16" tie rod fork. All forks are threaded to interchange with either handle. A 7-3/4" knurled striking handle is included for use with conventional hammers. A 6-3/4" adapter handle is included for use with air hammers. Storage case complete with laminated instruction sheets with photos.



5 Pc Front-End Fork Set





5 Pc Tie Rod/Ball Joint Separator Set



Item#	UPC Code	Case Pack	Shelf Pack
648630	028907-272207	6	1

Kit 56 For separating tie rods, ball joints and pitman arms found on automotive and light truck applications. Also for removing camber adjustment sleeves on light-duty Ford trucks. Up-to-date coverage includes separators for current Ford and General Motors pickup

trucks. Carry case includes usage photos and instructions.

8 Pc Inner Tie Rod Kit



Item#	UPC Code	Case Pack	Shelf Pack
641449	028907-361505	6	1

Kit 89 For removing hard-to-reach inner tie rods on popular trucks and SUVs without removing rack and pinion steering. Sizes: 1-7/16", 1-1/4", 1-5/16", 1-7/16", 14mm, 17mm and 33.6 mm.



5 Pc Truck/SUV Inner Tie Rod Set



Item#	UPC Code	Case Pack	Shelf Pack
641440	028907-361130	6	1

Kit 85 For removing hard-to-reach inner tie rods on popular trucks and SUVs without removing rack and pinion steering. Fits many Toyota, Nissan, Ford, Lincoln, Mercury, Chevrolet, trucks and SUVs. Also fits Cadillac Escalade, Hummer H2 and Honda Passport. 3 year warranty. 1-7/16", 33.6mm, 38.4 mm,42mm.





Item#	UPC Code	Case Pack	Shelf Pack
648627	028907-103952	6	1

Kit 1 For safe and easy removal and installation of coil springs from McPherson struts. Built-in locking safety pins prevent tool from slipping off of the spring coil. Storage case complete with laminated instruction sheets with photos.



Strut Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
648628	028907-103969	12	1

Kit 2 For removing and installing automotive coil springs. Works on straight or curved coil springs up to 3/4" wire diameter. Chrome vanadium steel arms are unequal lengths to better follow the spiral of the spring. Black oxide and chrome finish. Storage case complete with laminated instruction sheets with photos.



Coil Spring Compressor



Item#	UPC Code	Case Pack	Shelf Pack
648603	028907-230283	12	1

Kit 39 Assists in removal and installation of front shock absorber springs and nuts on many US made vehicles. Works on "Double D" shape shock shaft stems. Carry case includes usage photos and instructions.



5 Pc Coil Spring Compressor Kit





GM W-Body Strut Removal Set



Item#	UPC Code	Case Pack	Shelf Pack
648609	028907-103778	3	1

Kit 19 For removing and installing "W" body front McPherson strut cartridges. These vehicles include popular Chevrolet Lumina, Buick Regal, Pontiac Grand Prix and Oldsmobile Cutlass Supreme models. Special tool set allows removal of the shock assembly through the top of the strut tower without strut removal.



Strut spring retainer maintains correct strut tube alignment with the coil spring while the strut is disassembled. Storage case complete with laminated instruction sheets with photos.

Inner Tie Rod Remover Kit



Item#	UPC Code	Case Pack	Shelf Pack	-
648607	028907-103754	6	1	

Kit 26 For removing inner tie rod. Includes 1-5/16", 1-3/16" and 1-7/16" adapters. Storage case complete with laminated instruction sheets with photos.



Strut Tool/Strut Coil Compressor Kit



Item#	UPC Code	Case Pack	Shelf Pack	-
641429	028907-361635	2	2	

Kit 91 For off-vehicle strut spring removal and installation using a bench vise. Patented design. Tool is designed for quick, safe strut spring removal and installation.





Patent 641429



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648727
 028907-139913
 3
 1

Kit 22 For disconnecting quick-disconnect fittings on Ford, GM and Chrysler vehicles. For fuel lines, A/C lines, transmission oil cooler lines, heater hoses and hydraulic clutch lines.

18 Pc Master Disconnect Set





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648399
 028907-201603
 6
 6

Kit 37 For quick and easy separation of the special couplings found between fuel lines and fuel filters, and between automotive air conditioning lines and components. Includes 5/16", 3/8", 1/2", 5/8" 7/8", 3/4" sizes. Kit includes usage photos and instructions.





The second second

 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648650
 028907-272283
 12
 1

Kit 59 For quick and easy separation of the special couplings found between fuel lines and fuel filters, and at ends of radiator-to-transmission oil cooler lines on Ford Motor Co., Chrysler Motors and General Motors vehicles. Carry case includes usage photos and instructions.



Fuel & Transmission Line Disconnect Set





7 Pc Specialty Switch Socket Set



Item#	UPC Code	Case Pack	Shelf Pack
648992	028907-272870	12	1

Kit 62 For removal and installation of hard to reach oxygen sensors, oil pressure switches, oil pressure sending units and thermal sensor switches.



3 Pc Oxygen Sensor Socket Kit



Item#	UPC Code	Case Pack	Shelf Pack
648625	028907-234731	12	1

Kit 51 For removing and installing oxygen sensor sockets. Special cut-out design on sockets prevents damage to wire leads. Carry case includes usage photos and instructions.



Harmonic Balancer Puller & Installer Set





Item#	UPC Code	Case Pack	Shelf Pack
648637	028907-104850	6	1

Kit 12 For removing and installing harmonic balancers that have threaded holes. For removing balancers, kit contains 2/3 combo yoke, 5/8" x 5/8" national fine center screw, center point piece, and the following bolt pairs: 3/8"-16x4" national coarse, 3/8"-24x2" national fine, 5/16"-18x2" national coarse, M8-1.25x80mm and M10-1.5x50mm. For installing balancers, kit contains 7/8"x4-1/4" national fine center screw, thrust bearing, forcing nut, jaw nut and the following adapters: M12-1.5, M14-1.5, M16-2.0, 7/16"-20, 1/2"-20, 9/16"-18, 3/4"-16. Storage case complete with laminated instruction sheets with photos.



Item#	UPC Code	Case Pack	Shelf Pack
648616	028907-230337	4	1

Kit 45 For removing and installing harmonic balancers with threaded holes, found on many US made V6 and V8 engines. Also includes special puller for removing crankshaft pulley on many 1990 and newer Chrysler engines. Carry case includes usage photos and instructions.

Harmonic Balance Puller/ Pulley Installer Kit



Item#	UPC Code	Case Pack	Shelf Pack
648994	028907-276267	4	1

Kit 64 For removing and installing harmonic balancers that have threaded holes. Fits balancers found on many automotive and light truck applications. Carry case includes usage photos and instructions.

Harmonic Balance Puller & Installer Kit





Harmonic Balance Pulley Puller Kit

Item#	UPC Code	Case Pack	Shelf Pack
648949	028907-192413	6	1

Kit 30 Low-profile design pulls the balancer pulley with engine and radiator in the vehicle. For most late model Chrysler and Mitsubishi vehicles. Storage case complete with usage instructions and photos.







Lathe Type Ridge Reamer





Item#	UPC Code	Case Pack	Shelf Pack
648618	028907-103860	4	1

Kit 7 For removing top cylinder wall ridge. Powerful cutting action from two cutting edges. Operated by attaching ratchet and 7/8" socket. Kit contains assembled tool in a slide-lock storage case. Storage case complete with laminated instruction sheets with photos.



Piston Ring Compressor Set





Item#	UPC Code	Case Pack	Shelf Pack	
940387	028907-313528	6	1	

Kit 69 For compressing piston rings for cyinder installation. Set includes six band sizes for multiple applications. Case included.

Band sizes contained:

2-7/8" thru 3-1/8" (73mm thru 79mm)

3-1/8" thru 3-3/8" (79mm thru 86mm)

3-3/8" thru 3-5/8" (86mm thru 92mm)

3-5/8" thru 3-7/8" (92mm thru 98mm)

3-7/8" thru 4-1/8" (98mm thru 105mm)

4-1/8" thru 4-3/8" (105mm thru 111mm)

Valve Spring Compressor





Item#	UPC Code	Case Pack	Shelf Pack
648615	028907-103839	4	1

Kit 6 For compressing valve springs with the cylinder head removed from engine. Powerful lever action tool has handle on the outside. Throat depth is 9-3/4". Jaws open from 3-1/4" to 8-1/2" to fit large displacement engines. Interchangeable offset and straight jaws are included. Chrome and black oxide. Storage case complete with laminated instruction sheets with photos.





UPC Code Case Pack Shelf Pack Item# 648747 028907-155135 6 1

For servicing automotive air conditioning system components. Kit includes removal and installation tools for almost all automotive AC compressor clutches. Works with both domestic and import AC systems. Kit includes usage photos and instructions.



A/C Clutch Removal Kit



UPC Code Item# Case Pack Shelf Pack 648995 028907-276274 6 1

Kit 65 For removing and installing AC compressor clutches on most vehicles. Works with both domestic and import AC systems. Carry case includes usage photos and instructions. Lifetime warranty.



A/C Clutch Remover & Installer Kit





UPC Code Shelf Pack Item# Case Pack 641441 028907-361185 2 1

For servicing automotive A/C systems. **Kit 86** Includes sight glass for visual confirmation of gas or liquid flow. Works on R12 and R134 systems. (This kit does not provide tools for discharge of refrigerant gas.)

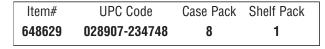








Serpentine Belt Tool





Kit 52 For removing and installing serpentine belts on vehicles with spring-loaded belt tensioners. Includes accessories for specific vehicle applications, including GM, Ford, Chrysler, SAAB, VW and Volvo. Carry case includes usage photos and instructions.



Fan Clutch Wrench Kit

Item#	UPC Code	Case Pack	Shelf Pack
648746	028907-155128	6	1



Kit 34 For removing threaded-on viscous fan clutches on Ford, Chrysler, Jeep and some import vehicles. Includes 3 1/4", 1 7/8", 1 9/16", 58mm and 36mm spanners. Kit includes usage photos and instructions.



10 Pc Fan Clutch Wrench Master Set





Kit 60 For removing threaded-on viscous fan clutches on Ford, Chrysler, Jeep and some imported vehicles. Includes smaller spanner-type wrenches for engaging hex nut on the fan clutch, and larger square-drive tools to hold water pump output shaft stationary. Carry case includes usage photos and instructions. Lifetime warranty.





Item#	UPC Code	Case Pack	Shelf Pack
940427	028907-314808	4	1

Kit 70 For testing the performance and integrity of cooling systems on most cars and light trucks. Includes adapters to fit domestic, Japanese and European vehicles. Kit includes usage photos and instructions.



22 Pc Cooling System Pressure Set



Item#	UPC Code	Case Pack	Shelf Pack
648634	028907-104829	6	1

Kit 9 For expanding and cutting exhaust pipe (thru 3-1/2") and pipe dent removal. Cutting rollers produce clean, straight edges tool handle is applied. Storage case complete with laminated instruction sheets with photos.



2 Pc Exhaust Service Set



Item#	UPC Code	Case Pack	Shelf Pack
648612	028907-230313	4	1

Kit 42 For servicing exhaust systems, including cutting (thru 3-1/2"), pipe dent repair and pipe fitting. Includes chain cutter, nut splitter and pipe expander. Carry case includes usage instructions and photos.



4 Pc Exhaust Service Set





Power Steering and Alternator Pulley Puller / Installer Kit



Item#	UPC Code	Case Pack	Shelf Pack
648605	028907-103730	12	1

Kit 20 For removing and installing power steering pump and alternator pulleys. Contains all tools necessary for most power steering pump pulleys, including special adapters for GM Quad 4 and 3.1L and Ford 4.6L modular engine pulleys. Kit includes all necessary installer adapters, puller assembly with thrust bearing, jaw and sleeve, and special GM power steering disconnect tool. Storage case complete with laminated instruction sheets with photos.

Power Steering Pulley Puller





Item#	UPC Code	Case Pack	Shelf Pack
648644	028907-109268	12	1

Kit 13 For removing most power steering pump pulleys. Jaws lock securely over power steering pump flange for a positive pull. Side thumb screws lock jaws in place. Storage case complete with laminated instruction sheets with photos.



Patent 648644

Pilot Bearing Puller





Item#	UPC Code	Case Pack	Shelf Pack
648619	028907-103877	6	1

Kit 8 For removing pilot bearings and bushings from flywheel during clutch replacement. Heavy duty puller includes fingers with a 1-1/2" length for extra deep reach. Positive engagement design locks tips of fingers behind bearing while expanding against inner diameter to grasp bearing firmly. Plated steel and black oxide. Storage case complete with laminated instruction sheets with photos.





Item#	UPC Code	Case Pack	Shelf Pack
641336	028907-346106	6	1

Blind Bearing Puller Set

Kit 82 For pulling jobs requiring an internal pull such as pilot bearings. Set includes four collets which fit a wide range of applications. 3/8"- 1/2", 9/16"- 11/16", 5/8"- 1", 1"- 1-1/4".





 Item#
 UPC Code
 Case Pack
 Shelf Pack

 641338
 028907-346144
 4
 1

CV Joint Assembly Joint Removal Tool Set

Kit 80 Quickly separates the CV joint from the axle to help prevent damage to joints. For most domestic and import vehicles. Also pulls other joints having hidden retaining rings. With this puller, the axle assembly is popped out of the transaxle without damage. Pry bars can damage expensive aluminum transmission cases and attempting to do the job by pulling on the axis can damage the roller bearing inside the CV joint.





648649	028907-109312	6	JIIEII FACK
Item#	UPC Code	Case Pack	Shelf Pack

SAE & Metric Clutch Alignment Tool Set

Kit 21 For aligning clutch components when installing a new clutch. Properly aligns clutch plate and disc to pilot bearing. Kit contains tapered cone clutch plate adapter, centering shaft and the following two-sided adapters: 1.18/.984", 17/15mm, 15.8/12mm, .874/.812", .787/.749", .718/.668", .624/.614" and .590/.561. Storage case complete with laminated instruction sheets with photos.







Slide Hammer Puller Set



Item#	UPC Code	Case Pack	Shelf Pack
648620	028907-103884	3	1

For automotive body work, as well as pulling Kit 5 bearings, gears, and front wheel drive axle shafts. Kit contains 5-lb. slide hammer assembly with tapered cone nut, tapping screw and adapter, special threaded adapter, hook, shoulder bolt and nut set, three pulling jaws, 2-jaw and 3-jaw yokes, and front wheel drive axle puller adapter. Storage case complete with laminated instruction sheets with photos.



Item# 648648

6" Combination 2/3 Reversible Jaw Gear Puller



Kit 17 For pulling gears and pulleys. 6" reach, 6-1/4" spread, 5-ton capacity. Heavy duty drop-forged voke and heat treated jaws. Can be used with either two or three jaws. Jaws reverse for inside or outside pulls and reverse end-to-end for different depths of pulls and different reach hooks. Chrome and black oxide finish. Kit includes 9/16" x 7" national fine center bolt, combination

Case Pack

12

Shelf Pack

and six elbow plates. Storage case complete with laminated instruction sheets with photos.

UPC Code

028907-109305

4" Combination 2/3 Reversible Jaw **Gear Puller**





Item#	UPC Code	Case Pack	Shelf Pack
648647	028907-109299	6	1

For pulling gears and pulleys. 3-1/4" reach, 4" spread, 4-ton capacity. Heavy duty dropforged voke and heat treated jaws. Can be used with either two or three jaws. Jaws reverse for inside or outside pulls and reverse end-to-end for different depths of pulls and different reach hooks. Chrome and black oxide finish. Kit includes 9/16" x 7" national fine center bolt, combination yoke, three jaws, six 1-1/4" shoulder bolt and nut sets, and six elbow plates. Storage case complete with laminated instruction sheets with photos.



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648613
 028907-231709
 12
 1

Kit 43 Versatile puller kit with 4" and 6" reversible jaws for 2 jaw or 3 jaw set-up. 4 ton capacity. Chrome vanadium steel yoke and jaws. Fine thread center bolt for maximum torque and minimal effort. Carry case includes usage instructions and photos.



2/3 Jaw Gear Puller Set



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648748
 028907-155142
 6
 6

Kit 36 For servicing steering wheel and steering column components. Includes universal steering wheel puller with 5 different pairs of cap screws to fit the different thread sizes found on most steering wheels. Also includes lock plate removal tool. Kit includes usage photos and instructions.



Master Steering Wheel & Lock Plate Puller Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648645
 028907-109275
 12
 1

Kit 14 For pulling steering wheels with tapped holes. Heavy duty drop-forged steering wheel puller fits most domestic and imported vehicles, with or without telescopic or tilt steering columns. Kit includes the yoke, center screw pad tip, and the following side bolts: Set of two M8-1.25x80mm Side Bolts Set of two 5/16-24x3-1/2" National Fine Thread Side Bolts Set of two 3/8"-16x4" National Coarse Side Bolts Set of two 5/16-18x4-1/2" National Coarse Thread Side Bolts Set of two 1/4"-28x3" National Fine Thread Side Bolts Storage case complete with laminated instruction sheets with photos.

Heavy Duty Steering Wheel Puller







Vacuum Pump Kit



Item#	UPC Code	Case Pack	Shelf Pack
648744	028907-155104	6	6

Kit 29 For checking vacuum operated automotive components, bleeding air from hydraulic systems and siphoning fluids. Creates both pressure and vacuum. Includes integrated vacuum/pressure gauge and special vacuum/pressure release mechanism. Kit includes an assortment of adapters, as well as a roll of plastic line and 2 hydraulic fluid reservoirs. Kit

includes usage photos and instructions.



Patent 648744

Fuel Injection Test (Noid) Light Kit



Item#	UPC Code	Case Pack	Shelf Pack
940580	028907-325101	12	1

Kit 73 For checking for the presence of on-off signals at electronic fuel injection components. Noid lights flash when signal is present. Includes 6 fuel injection test (noid) lights for various models of injector plugs. Case included.











Deluxe Fuel Injection Test (Noid) Light Kit



 Item#
 UPC Code
 Case Pack
 Shelf Pack

 648745
 028907-155111
 12
 1

Kit 33 For checking for the presence of on-off signals at electronic fuel injection components. Noid lights flash when signal is present. Includes 8 fuel injection noid lights and 2 Idle Air Control Valve (IAC valve) noid lights, to provide the most complete testing of fuel injection components available. Includes 48" fiber optic cable for use when it is difficult to see the noid light clearly. Kit includes usage photos and instructions.





Item#	UPC Code	Case Pack	Shelf Pack	
648416	028907-249407	12	1	

Kit 54 For locating fluid leaks in AC, oil, coolant, fuel, ATF, power steering and hydraulic systems. Includes goggles and fluorescent flashlight. Kit includes usage photos and instructions.



Leak Detection Kit



Item#	UPC Code	Case Pack	Shelf Pack
648997	028907-276298	6	1

Kit 67 For removing and installing radios, CD players, tape decks and antennas from many foreign and domestic vehicles. Works on Audi, BMW, Ford, General Motors, Land Rover, Mercedes-Benz, Porsche, Saab, Volkswagen and many other makes of vehicles. Carry case includes usage photos and instructions.



Universal Radio Removal & Antenna Installation Kit



Item#	UPC Code	Case Pack	Shelf Pack
641448	028907-361499	12	1

Kit 87 Prevents damage to sensors, wire harnesses and terminal blocks during release/removal. Included most common types of terminal tool for a broad range of vehicles.



19 Pc Master Terminal Tool Kit



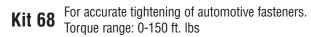


INSTALLER KITS

1/2 " Dr. Needle Torque Wrench Kit

Item#	UPC Code	Case Pack	Shelf Pack
944050	028907-278582	12	1







Index

Α	
A/C & Fuel Line Disconnect Tool Set	42
A/C Clutch Holder Tool	
A/C Clutch Removal Kit	
A/C Clutch Remover & Installer Kit A/C Line Disconnect Tool (4-in-1)	
A/C Line Disconnect Tool (4-III-1)	41
A/C Spring Lock Coupling Tool Set	
Accessory Set	
Air Hold and Compression Check Kit	
Antenna Wrench Auto Scraper/Chisel Set (2 Pc)	70
Auto Scraper/Gillser Set (2 Pc)	70
Automotive Circuit Tester	
Axle Nut Socket Set	
Axle Nut Socket Set, Deluxe	
Axle Nut Sockets (1/2" Dr.)	
Axle Nut Sockets (12 Pt)	
В	
Back-Tap Repair Tool Set (12mm, 14mr	n, 18mm)49
Back-Tap Spark Plug Thread Repair Too	I (18mm)49
Back-Tap Spark Plug Thread Repair Too Back-Tap Spark Plug Thread Repair Too	I (12mm)49
Back-Tap Thread Repair Tool (18mm)	34
Ball Joint Separator	
Ball Joint Service Set (10 Pc)	
Ball Joint/U-Joint Service Set	
Ball Joint/U-Joint Service Set (23 Pc) Barrel Hand Pump, Lever Action	
Bastard File (6")	
Battery Terminal Puller	
Bearing and Race Installer Kit	
Bearing Packer	
Belt Hook Tool	
Blind Bearing Puller Set	
Brake Bleeder – Master Kit	
Brake Bleeder Wrenches	
Brake Bleeder, One-Man	
Brake Caliper Torx® Bit Set (4") Brake Caliper Torx® Bit Set (3/8" Dr.)	
Brake Caliper Torx® Bit Set (3/8" Dr.)	
Brake Caliper Torx® Bit Set (4")	
Brake Caliper Torx® Bit Set (4") Brake Cylinder Hone 2 Arm 1/2" – 2.25" Brake Cylinder Hone 3 Arm 3/4" – 2.25"	10
Brake Cylinder Hone 3 Arm 3/4" – 2.25"	10
Brake Cylinder Retainer Remover Brake Return Spring Pliers	ے
Brake Return Spring Tool	
Brake Return Spring Tool for Small Cars	3
Brake Rotor Surfacing Kit	
Brake Service Kit	
Brush, 1" Crimped Wire End	
Brush, 1" Knot-Type Wire End	
Bucket Pump	
C	
Cam Pulley Holder	28
Carburetor Adjusting Tool	
Chrysler Quick Disconnect Tool	
Clutch Aligning Tool, Universal	
Clutch Pilot Tool Set	
Coil Spring Compressor	
Coil Spring Compressor	
Colored Security Bits Set	
Combo Snap Ring Pliers	
Combo Tune-Up Gauge (24-Blade)	
Compact Tube Cutter	
Computer Memory Keeper	
Computer-Safe Circuit Tester	
Continuity Tester	
Cooling System Pressure Set	

Coupler (3,000 PSI) Coupler (90°) Crank Pulley Holding Tool Cummins Fuel Filter Socket Cut & Pull Wire Strippers CV Boot Banding Tool CV Boot Clamp Pliers CV Joint Removing Tool Set Cylinder Glaze Breaker 2-7", Adjustable Cylinder Head Rethread Kit (14mm)		96
D		
Deep E-4 External Torx® Socket (1/4" Dr.)		52
Deluxe Circuit Tester		57
Deluxe Fuel Injection Test (Noid) Light Kit		132
Deluxe Portable Bearing Packer		102
Deluxe Tube Bender Pliers		
Deluxe Tubing Cutter		10
Digital Caliper		58
Digital Thermometer		58
Disc Brake Caliper Socket Bit Set		6
Disc Brake Caliper Socket Bit Set		83
Disc Brake Caliper Tool (1-1/2" Rear) Disc Brake Caliper Tool (1-5/8" Rear) Disc Brake Caliper Tool (1-5/8" Rear) Disc Brake Caliper Tool (2-1/2" Rear) Disc Brake Caliper Tool (2-1/2" Rear) Disc Brake Caliper Tool (2-1/8" Rear) Disc Brake Caliper Tool (2-1/8" Rear)		
Disc Brake Caliper Tool (1-7/8" Rear)		5
Disc Brake Caliper Tool (2-1/2" Rear)		5
DISC Brake Cylinder Hone		
Disc Brake Pad Spreader Disc Brake Piston Tool		3, 4
Disc Brake Piston Tool		4
Disc Brake Repair Set (12 Pc) Disc Brake Rotor Micrometer		11
Disc Brake Tool Set		108
Disconnect Tool Set (5/16", 3/8", 1/2", 5/8", 3/4", 7/8") .		39
Disconnect Tool Set, Large Sizes		40
Disconnect Tool Set, Plastic		40
Distributor Clamp Wrench Set		52
Dodge Spindle Nut Socket (1/2" Dr.)		15
Door Handle Clip Tool		b
Door Handle/Windshield Clip Pliers Double Cup Valve Grinders		31
Double Flaring Tool		65
Double Flaring Tool Drum Brake Repair Kit		
Dual R12/R134 A/C Manifold Gauge Set		125
-		
E E-4 External Torx® Socket	(1//# [)r) 50
Easy Out Set		
Electronic Fuel Injection Test (NOID) Light – Bosch P.F.I.		54
Electronic Fuel Injection Test (NOID) Light – Ford T.B.I. Electronic Fuel Injection Test (NOID) Light – GM P.F.I.		54
Electronic Fuel Injection Test (NOID) Light – GM F.F.I Electronic Fuel Injection Test (NOID) Light – GM T.B.I		54
Engine Lift Chain		
Engine Lift Pipe		36
Exhaust Manifold Spreader		36
		36
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large		36
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set		35
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Length Torx® Bit Socket Set (6")		36 35 35 35 35
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Length Torx® Bit Socket Set (6") Extended Offset Oxygen Sensor Wrench		36 35 35 35 37 78
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Ungth Torx® Bit Socket Set (6") Extended Offset Oxygen Sensor Wrench Extended Reach Window Crank Handle Tool		36 35 35 35 127 78 78
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Length Torx® Bit Socket Set (6") Extended Offset Oxygen Sensor Wrench Extended Reach Window Crank Handle Tool External Snap Ring Pliers		363535353535353535
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Length Torx® Bit Socket Set (6") Extended Offset Oxygen Sensor Wrench Extended Reach Window Crank Handle Tool External Snap Ring Pliers External Torx® (E-Socket) Set (10 Pc)		363535353535353535
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Length Torx® Bit Socket Set (6") Extended Offset Oxygen Sensor Wrench Extended Reach Window Crank Handle Tool External Snap Ring Pliers External Torx® (E-Socket) Set (10 Pc)		36 35 35 35 78 78 78 33 62
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Length Torx® Bit Socket Set (6") Extended Offset Oxygen Sensor Wrench Extended Reach Window Crank Handle Tool External Snap Ring Pliers External Torx® (E-Socket) Set (10 Pc)		36 35 35 35 127 78 33 62 65
Exhaust Manifold Spreader Exhaust Pipe Cutter Exhaust Pipe Expander, Medium Exhaust Pipe Expander, Large Exhaust Service Set Extended Length Torx® Bit Socket Set (4") Extended Length Torx® Bit Socket Set (6") Extended Offset Oxygen Sensor Wrench Extended Reach Window Crank Handle Tool External Snap Ring Pliers External Torx® (E-Socket) Set (10 Pc)		36 35 35 35 127 78 33 62 65 81

ndex

Feeler Gauge and Ruler (9-Blade)4	Grease Fittings, Assorted - Universal99
Feeler Gauge, Metric (15-Blade)	
Feeler Gauge, Mini (17-Blade)	Grease Gun Holder
Fender Cover	
Flaring Set	
Flaring Tool	
Flaring Tool Kit, Double10	Grease Gun, Pistol Grip (5,000 PSI)95
Flaring Tool Set, 37 Degree	Grease Gun, Pneumatic (6,000 PSI)96
Flex Hose (12")	Grease Injector Needle97
Flex Hose with Spring Protector (18")	
Flexible Spark Plug Remover/Installer	
Fluid Oil Pump	
Fold-Away Razor Blade Scraper	
Ford & GM Fuel A/C Line Disconnect Tool	
Ford Crankshaft Positioning Tool	
Ford Crankshaft Positioning Tool	Harmonic Balancer Puller
Ford Fan Clutch Set	Harmonic Balancer Puller & Installer Set
Ford Fuel Line Coupling Tool4	Head Bolt 1/2" 10mm, 12 Pt Bit Socket
Ford Fuel Line Disconnect with Hair Pin Connectors	
Ford Headlight Tool	Heavy Duty C-Clamp
Ford Ignition Module Socket	Heavy Duty Circuit Tester
Ford Oil Pump Primer	Heavy Duty Flex Hose with Spring Protector, 12"
Ford Power Steering Pump Pulley Installer Fork Set	Heavy Duty Flex Hose with Spring Protector, 18"
Front End Service Kit	
Front Hub Remover & Installer Kit	Heavy Duty Hose Pinch Pliers63
Front Wheel Drive Wheel Bearing Remover & Installation Set 10	Heavy Duty Nut Splitter76
Front-End Fork Kit11	Heavy Duty Remote Starter Switch
Fuel, Heater & AC Line Disconnect Tools (Large Diameter)3	Heavy Duty Scraper Blades69
Fuel & Transmission Line Disconnect Set	
Fuel & Transmission Line Disconnect Tools	
Fuel Injection Test (Noid) Light Kit	
Fuel Line A/C Disconnect Set	
Fuel Line Disconnect Tool (2-in-1)	
Fuel Pump Return Line Disconnect Tool, 1/4"	
Fuel/Oil Filter Socket for Ford 6.0 Diesel10	Hex Bit Set with Magnetic Base (13 Pc SAE)82
Fuel/Transmission/A/C Line Disconnect Kit10	
r	Hex Bit Set, SAE Ball End
Goodet Coveney with Handle Ctevere Wide Diede	Hex Bit Socket Set, 6"
Gasket Scraper with Handle Storage, Wide Blade	Hex Bit Socket Set, Large SAE/Metric (1/2" Dr.)
Gear Puller. 3" 2 Jaw	
Gear Puller, 3" 2 Ton 2 Jaw Reversible	B Hex Bit Socket Set, Metric (3/8" Dr.)
Gear Puller, 3" 3 Ton Combo 2/3 Jaw Reversible	6 Hex Bit Socket Set, Metric 4"
Gear Puller, 4"	
Gear Puller, 4" 2 Jaw Light Duty	
Gear Puller, 4" 2/3 Jaw	Hex Bit Socket Set, SAE (3/8" Dr.)82
Gear Puller, 4" 3-in-1 Spring Loaded	
Gear Puller, 6" 2/3 Jaw	
Gear Puller, 7" 3-in-1 Spring Loaded	
Gear Puller, 8" 2/3 Jaw Reversible	
Gear Puller, Combination 2/3 Reversible Jaw, 4"	
General Purpose Bushing Driver Set	
GM Battery Ratcheting Wrench, 5/16") Honda Crank Pulley Tool
GM Crankshaft Sensor Bolt Asst	B Honda Crankshaft Holder (50mm)24
GM Disc Brake Caliper Wrench	
GM Fan Clutch Wrench Set	
GM Heater Line Disconnect Tool	
GM Oil Pump Primer	
GM Power Steering Pump Puller Remover/Installer	
GM Water Pump Holding Tool	
GM Water Pump Socket (1/2" Dr.)	Hose Clamp Pliers, Universal
GM W-Body Strut Removal Set12	
GM-Ford Disc Brake Piston Tool	Hub Puller Kit, Universal115
Grease Fittings Assortment (70 Pc)) Hub Puller Set (2 Pc)116
Grease Fittings, Assorted - 1/4" – 28	
Istarca Firance Accordan = 1/X = 7/	Hydraulic Clutch Disconnect Tool for Ford43
Grease Fittings, Assorted - 1/8" - 27	Hydraulic Clutch Disconnect Tool for Ford
Grease Fittings, Assorted – 6 & 10mm9	Hydraulic Clutch Disconnect Tool for Ford
	Hydraulic Clutch Disconnect Tool for Ford

Index

Ignition/Spark Plug Tester .49 Impact Driver Kit with Bits (3/8" Dr.) .76 Import Car Spark Plug Gauge .47 Infrared Thermometer .58 Inner Tie Rod Remover Kit .120 Inner Tie Rod Tool, Adjustable (3/8" Dr.) .17 Inner/Outer Tie Rod Tool Kit .19 Internal Snap Ring Pliers .64 Internal Wrench Set, 12 Pt .89 ISO "Bubble" Flaring Tool Set .9, 65 ISO "Bubble" Flaring Tool Kit .108
Jam Nut Valve Adjusting Tool
LLeak Detection Kit133Lexus/Toyota Harmonic Damper Holder24Lock Ring Pliers.64
Magnetic Pick-Up Tool, 4 Lb (24")
Needle Nose Adapter (4") .98 Needle Nose Dispenser (5/8") .97 Needle Nose Dispenser (6") .98 Needle Nose Dispenser (1-1/2") .98 Needle Torque Wrench Kit (1/2" Dr.) .134 Nissan Coolant Temp Sensor Socket .32 Nissan Timing Chain Holding Tool .27, 28 Nut Splitter .76
Offset Oxygen Sensor Wrench .33 OH Valve Spring Compressor .29 Oil Can .102 Oil Can, 16 oz. Lever Style .103 Oil Cooler Line Disconnect Tool .43 Oil Filter Pliers (Xtra Large 2"- 5") .93

Oil Filter Socket Set Oil Pressure Sender Socket O-Ring/Seal Pick Outboard Motor Oil Pump Outer Tie Rod Remover Overhead Valve Spring Compressor Oxygen Sensor Socket Oxygen Sensor Socket Kit (3 Pc) Oxygen Sensor Socket Set Oxygen Sensor Socket Wrench	31, 32 75 104 18
Parts Cleaning Brush	75
Pick-Up Tool, LED MagneticPilot Bearing Puller	73
Pinch Off Pliers (8" Metal Hose) Piston Ring Compressor Set	60
Piston Ring Compressor Set	20
Piston Ring Groove Cleaner	20
Piston Ring Installer Pitman Arm Puller	20
Pitman Arm Puller, Universal	13
Plastic Fastener & Moulding Remover Set	7
Plastigage®	23
Power Steering and Alternator Pulley Puller/Installer Kit	128
Power Steering Pulley Puller	
Power Steering Pulley Puller, Universal	
Power Steering Pump/Alternator Pulley Puller	20
Precision Oil Dispenser, Pen Style	
Precision Wire Stripper	5
Pulley Puller	20
Putty Knife, Stiff (1-1/2")	7
R	
Radiator Tool Set	30
Radio Removal & Antenna Installation Kit, Universal Radio Remover Wrench	13
Ramp Type Spark Plug Gauge	
Razor Blade Gasket Scraper with Handle Storage	69
Razor Blades (10 Pc)	
Rear Axle Puller Kit	, 11
Rectangular Mirror, Large	74
Rectangular Parts Tray	7
Rectangular Parts Tray Remote Starter Switch	7
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades	74
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm)	74
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5" 3"H	7475
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H	74 59 7 50 124 28
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H	74 75 76
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Round Magnetic Dish	74 75 76
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish	77 59 70 50 124 29 21 21
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc)	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc)	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc) SAE Hex Bit Socket Set (4") SAE Hex Bit Socket Set (1/2" Dr. Large) SAE Hex Bit Sockets (3/8" Dr.)	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc) SAE Hex Bit Socket Set (4") SAE Hex Bit Socket Set (1/2" Dr. Large) SAE Hex Bit Sockets Set SAE I non Hex Key Set	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc) SAE Hex Bit Socket Set (1/2" Dr. Large) SAE Hex Bit Sockets (3/8" Dr.) SAE Long Hex Key Set SAE Long Hex Key Set SAE T-Handle Ball End Hex Key Set (10 Pc)	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc) SAE Hex Bit Socket Set (4") SAE Hex Bit Socket Set (1/2" Dr. Large) SAE Hex Bit Sockets (3/8" Dr.) SAE T-Handle Ball End Hex Key Set (10 Pc) SAE T-Handle Ball End Hex Key Set (10 Pc) SAE T-Handle Ball End Hex Key Set (10 Pc)	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc) SAE Hex Bit Socket Set (1/2" Dr. Large) SAE Hex Bit Sockets (3/8" Dr.) SAE Long Hex Key Set SAE T-Handle Ball End Hex Key Set (10 Pc) SAE T-Handle Torx® Key Set (10 Pc) SAE/Metric Hex Bit Set SCERW Extractor Set	
Rectangular Parts Tray Remote Starter Switch Replacement Razor Blades (10 Pc) Replacement Utility Knife Blades Rethreader Kit with 4 Inserts (14mm) Ridge Reamer, Lathe Type Ring Compressor 2-5", 3"H Ring Compressor 3-1/2"-5", 3"H Rocker Arm Oil Stopper Rotary Barrel Pump Round Magnetic Dish S SAE & Metric Clutch Alignment Tool Set SAE 4" Hex Bit Socket Set SAE Folding Torx® Key Set (10 Pc) SAE Hex Bit Socket Set (4") SAE Hex Bit Socket Set (1/2" Dr. Large) SAE Hex Bit Sockets (3/8" Dr.) SAE T-Handle Ball End Hex Key Set (10 Pc) SAE T-Handle Ball End Hex Key Set (10 Pc) SAE T-Handle Ball End Hex Key Set (10 Pc)	

ndex

Seal Pick Set			75
Seal Puller Kit			
Seal Puller, Adjustable			
Serpentine Belt Tool		1	26
Serpentine Belt Tool Kit		!	36
Shock Absorber Tool Set			10
Slide Hammer Puller Kit (18 Pc)	•		10
Clide Hammer Buller Cet		٠.١	20
Slide Hammer Puller Set		!	00
Small Exhaust Pipe Expander			.35
Snap-Ring Pliers Set (2 Pc)			65
Socket (12mm, 12 Pt)			.32
Spark Plug & Wire Tester			48
Spark Plug Boot Puller			47
Spark Plug Gapper			47
Spark Plug Hole Rethreader 14/18mm			50
Spark Plug Rethread Inserts (1/2" Long 14mm)			53
Spark Plug Rethread Inserts (3/4" Long 14mm)			53
Spark Plug Rethread Inserts (3/8" Long 14mm)			52
Charle Plus Dethroad Inserts (7/10" Long 14mm)			.00
Spark Plug Rethread Inserts (7/16" Long 14mm)			.03
Spark Plug Socket, Extended (3/8" Dr. 5/8")			.50
Spark Plug Thread Chaser, Limited Access			.50
Spark Plug Wire Pliers			48
Spark Plug Wire Puller			48
Spark Plug Wire Tester			.48
Spark Plug Wrench, T-Handle (5/8")			50
Specialty Ball Joint Kit		1	14
Specialty Switch Socket Set		1	22
Spindle Nut Socket – 4 Inner		!	1/
Spindle Nut Socket – 4 Outer	•		1/1
Spiridle Nut Socket - 4 Outer			14
Spindle Nut Socket – 4 Outer			.15
Spindle Nut Socket – 6 Outer			15
Spindle Nut Socket 1 Ton – 4 Inner			15
Spindle Nut Socket Set		1	11
Spindle Nut Socket Special			16
Spindle Puller Socket			16
Spline Socket Set, Metric (3/8" Dr.)			89
Spline Socket Set, SAE (3/8" Dr.)			89
Standard Tubing Cutter			10
Starwheel Adjuster Spoon			2
Steering Pivot Pin Remover	• •		20
Ctearing Wheel Leak Dista Demouser			22
Steering Wheel Lock Plate Remover			22
Steering Wheel Lock Plate Tool			.22
Steering Wheel Puller			21
Steering Wheel Puller Set			.22
Strut Coil Spring Compressor			.19
Strut Spring Compressor		1	19
Strut Spring Compressor			19
Strut Tool/Strut Coil Compressor Kit		1	20
Stud Puller Set (SAE)			90
Stud Remover			an
Stud Remover/Installer (1/2" 1/2" Dr.)			
Stud Remover/Installer (1/4" 3/8" Dr.)			
Stud Remover/Installer (10mm 3/8" Dr.)			
Stud Remover/Installer (12mm 3/8" Dr.)			
Stud Remover/Installer (3/8" 1/2" Dr.)			.90
Stud Remover/Installer (5/16" 3/8" Dr.)			.90
Stud Remover/Installer (6mm 3/8" Dr.)			
Stud Remover/Installer (7/16" 1/2" Dr.)			91
Stud Remover/Installer (8mm 3/8" Dr.)			91
Suction Gun			96
Swivel Connector (360°)			97
Swivel Jaw Oil Filter Wrench			
Swiver daw on Finer Wienen			.00
T			
			00
Tamper Resistant 5-Lobe Bit Set (13 Pc)			UO.
Tamper Resistant Torx® Bit Set (10 Pc)			υSO
Tamper Resistant Torx® Bit Set (13 Pc)			.80
Tap Set (Metric)			76
Tap Set (SAE)			
Tappet Feeler Gauge (9-Blade)			
Telescopic Inspection Mirror			75
Telescopic Magnetic Pick-Up Tool, 6 Lb			73
Telescopic Magnetic Pick-Up Tool, 8 lb			
Telescoping Magnetic Pick-Up Tool (3 Lb)			
T-Handle Spark Plug Wrench (13/16")			
I Hamaio Obain Huu Wigholi (10/10/1/			υı

Tie Rod End Separator, Universal	
Tie Rod Kit, Inner	
Tie Rod Set, Truck/SUV Inner	
Tie Rod/Ball Joint Separator Set	
Tie Rod/Ball Joint Separators	
Timing Gear Puller	
Torque Angle Gauge (1/2" Dr.)	5:
Torx® (E-Socket) Set, External (3/8" Dr.)	7:
Torx® Bit Driver Set (15 Pc)	
Town Dit Cot Towner Desistant	
Torx® Bit Set, Tamper Resistant	
Torx® Bit Socket Set (12 Pc)	
Torx® Bit Socket Set (13 Pc)	
Torx® Bit Socket Set (3/8" Dr.) Torx® Bit Socket Set	
Torx® Bit Socket Set	
Torx® Bit Socket Set	
Torx® Bit Sockets	
Torx® Long Arm Hex Key Set, SAE, Metric	(26 Pc)88
Torx® Short Arm Hex Key Set	.` ´
Toyota Head Bolt 1/2" Dr. 8mm 12 Pt Bit S	ocket 3
Toyota Lock Nut Tool	
Transmission Oil Cooler Line Disconnect S	Set (2 Pc) 4
Transmission Oil Cooler Line Disconnect S Transmission Stop-Off Tool	3:
Trim Clip Pliers (35° Offset)	6
Trim Clip Pliero (90º Offeet)	
Trim Clip Pliers (80° Offset)	
Trim Pad Remover	
Trim Tool (10-in-1)	
Triple Square Long Bit Set, Metric (4 Pc 12	2 Pt)8°
Tube Bender, Economy	
Tune-Up Gauge (20-Blade) Tune-Up Gauge (25-Blade)	
Tune-Up Gauge (25-Blade)	
Tune-Up Kit	
Tune-Up Kit	
•	
U	
Hansan Osmanal Amas Dirabinan Camilas Cat	44
Libber Control Arm Bijshing Service Set	
Upper Control Arm Bushing Service Set .	
Utility Knife	
Utility Knife	
Utility Knife	
Utility Knife V Vacuum Pump Kit	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo	
V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tapnet Gaune (12-Rlade)	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tapnet Gaune (12-Rlade)	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tapnet Gaune (12-Rlade)	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2)	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2) Wheel Bearing Locking Nut Socket (2-3/8)	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2 Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (2-9/1)	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket (55mm)	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket (55mm)	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2 Wheel Bearing Locking Nut Socket (2-9/8) Wheel Bearing Locking Nut Socket (55mm Wheel Bearing Locking Nut Socket, Round Wheel Bearing Locking Nut Socket, Round Wheel Bearing Locking Nut Socket, Round	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2 Wheel Bearing Locking Nut Socket (2-5/8) Wheel Bearing Locking Nut Socket (55mm Wheel Bearing Locking Nut Socket (55mm Wheel Bearing Locking Nut Socket, Round	
Utility Knife Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket (55mn Wheel Bearing Locking Nut Socket, Round	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket, Round	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket, Round	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket (55mm Wheel Bearing Locking Nut Socket, Round	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (55mm Wheel Bearing Locking Nut Socket, Round Wheel Bearing Locking Nut S	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-1/2 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket (65mm Wheel Bearing Locking Nut Socket, Round Whe	
Utility Knife V Vacuum Pump Kit Vacuum Pump Set Vacuum Pump Set Vacuum Pump Set, Econo Vacuum/Fuel Pump Tester Valve Adjustment Tool Valve Holder Hose Valve Lap Compound Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Spring Compressor Valve Tappet Gauge (12-Blade) VW Tamper Proof Drain Plug Tool VW Transmission Filler and Drain Plug Soo W Water Sensor Socket (3/8" Dr.) Wheel Bearing Locking Nut Socket (2-3/8 Wheel Bearing Locking Nut Socket (2-9/1 Wheel Bearing Locking Nut Socket (55mm Wheel Bearing Locking Nut Socket, Round	

Index

INDEX—Numerical

	_		
640049	641449118	647367	64844632
640052	641451	647374	64844732
640057	641453	647555	648448
640081	641454	64757423	648449
640082	641455	647998	648450
640083	641457	648000	648451
640316	641458	648002	
64034786	64146241	64807664	64845525
64034986	64146340	64808568	64845636
640350	641465	64810768	64845731
640554	641466	648323	648458
640556	641467	648324	648459
640579	64146832	648325	648460
64058052	64146917	64832681	648462
64058151	64147740	64832781	648463
640582	64147840	648328	648464
640583	64148043	648337	64846519
640584	64185157	648339	64846622
640585	641862	648341	64846716
640587	641863	648342	648468
640588	64194197	648343	648469
6405923	64199089	648344	64847012
640593	64199189	64834957	64847112
640594	642400	648355	648472
640595	642401	648357	64847314
640685	64240286	64836669	64847414
640686	642403	648393	64847515
640702	642404	648394	648476
640811	642405	648395	648477
64092177	646501	648396	64847820
640922	647000	64839747	64847920
640960	64700259	648398	648480
64096167	64700539	648399121	648482
64096266	64701239	6484008	64848365
640965	64705039	64840110	648484
640966	647051	648402	648485
641130	647052	648403	648486
641133	64705339	6484042	648487
641134	647054	648405	648488
	647055	648406	648489
641148			
64115377	647056	6484078	648490
64129042	647057	6484088	64849412
64129153	647058	648409	64849512
641292	647059	6484104	648500
641293	647060	648411	648501
641294	647063	648412	648504
641295	647064	648413	648508
64129654	647065	648414	64851076
64129754	647066	64841579	648511
641298	647067	648416	648514
041298			
641299	647068	648418	648515
641321	647069	64841953	648517
641322113	64707020	64842052	64851846
641326111	64707121	64842150	648519
641335	64707221	64842250	64852046
641336	64707322	648423	648521
641338	64707436	648424	648522
641341	6470758	64842586	648523
64134796	647076	648426	648526
	647077	648427	64852955
641386			
641394	647078	64842850	648532
641400	64707912	64842948	64853372
641401	64708012	64843086	64853411
64140281	64708190	648431	64853759
641403	647082	648432	648539
641404	647083	648433	648540
641408	647084	64843426	64854161
641415	64708822	648435	648542
641422	647089	648436	64854362
			648544
641429120	647093	64843738	
641435	647094	648438	64854629
641440118	64736026	648439	64854741
641441125	64736126	64844125	648548
64144333	64736226	648442	64855140
641444	647363	648444	64855417
641448	647364	648445	648555

dex

INDEX—Numerical 64866385 940402104 64887416 9404034 648888 6, 78, 84 94040671 64856855 64888981 940407 5 648569115 64857060 94041490 64857458 64857558 64869030 94041590 94041690 64894095 64857650 64857751 64894195 94041791 64869318 64894294 94041891 648949123 94041991 64858140 648959104 94042091 94042192 64858212 648960104 64858541 94042292 648971100 64872342 94042418 648972100 64859062 648974100 94042517 94042651 648727121 64897894 64873274 940427127 9404439 64859365 648741109 648986101 648742115 64859544 648743117 648991110 648992122 64859717 648745132 648993111 94044751 94050735 648746126 648994123 648995125 648601108 648748131 648996109 94051013 94051113 94051213 648603119 64899894 94051449 648604114 648751103 83161371 64875495 648607120 64875594 83631770 64875696 648609120 648757101 94054039 94054129 94054252 648612127 64876096 94054564 64876196 648615124 64876297 94054763 648616123 64876398 94017057 648617112 648619128 64876798 94055527 94055619 64876998 648622108 94026249 94056219 648771103 648626117 648772103 94033372 9405696, 83 648627119 940577104 648628119 940369116 940579112 648630118 64878599 940581113 94037735 64863211 64879623 94037934 94058356 94038050 648635110 648636111 648814101 94061023 64881596 64863811 94038455 64881824 9403859, 65 94066884 94075695 940387124 648642110 94079895 94038993 648644128 94039293 648645131 64882624 648646117 94039393 94112782 94039423 94112882 648648130 9403975 94113080 648650121 9403985 64883228 9403995 648651126

INDEX—Numerical

948003	
948004	
948005	
948006	
948007	
948008	
948012	

ndex

NOTES

NOTES

