AUTOMATIC TRANSMISSION TOOLS

TRUCK PINION LOCKNUT SOCKETS
- DADOS DE TUERCA DE SEGURIDAD DE PIÑÓN DE CAMIONES -

A thin walled socket for removing and installing the transmission and differential end yoke locknuts. Sockets have 3" of usable depth, 4" overall length. All sockets are 6 point. Use with 3/4" square drive, manually operated handles only.

- OTC-1976 2-1/8"
- OTC-1977 2-1/4"
- OTC-1980 2-3/4"
- OTC-1981 2-1/2"

PRESSURE TESTERS
- PROBADORES DE PRESIÓN -

ATD-5550 Automatic Transmission & Engine Oil Pressure Gauge Kit
(Indicador para Presión de Transmisión Automática y Aceite del Motor)
Determines whether oil pressures are within car manufacturer's specifications. Diagnoses various transmission troubles. Includes 300lb. pressure gauge, fittings, and 6-foot flexible hose. Vinyl pouch.

- ATD-5551 Replacement Oil Pressure Gauge
- ATD-5553 Low Pressure Oil Pressure Gauge

KDT-3343 Engine/Automatic Transmission Oil Pressure Check Kit
(Indicador para Presión del Aceite de Motor/Transmisión Automática)
Use on all domestic cars and light trucks, as well as most import cars and light trucks. Kit includes: 2-1/2" gauge ranging from 0 to 300 PSI, 6" neoprene (oil-proof) hose, brass adapters for SAE and Metric and an instruction sheet.

GSI-6750 Master Engine/Transmission Oil Pressure Test Set
(Indicador para Presión del Aceite de Motor/Transmisión)
Includes three gauges and all adapters needed to check the oil pressures on virtually all engines and transmissions. Features a quick coupler system to change gauge heads and adapters. Gives accurate pressure readings from 10 to 800-psi.
**KDT-2547 Transmission Stop-Off Tool**
Eliminates the need to drain transmission fluid when making repairs or replacing drive shaft U-joints. Tool plugs transmission drive shaft opening reducing transmission fluid waste. Fits most domestic rear wheel drive cars.

**LIS-55600 Clutch Pilot Bushing Remover**
(Removedor de Buje de Embrague Piloto)
Uses hydraulic pressure to remove brass and bronze bushing. Screw the self-tapping tip 2–3 threads into the brass or bronze bushing. Then pump out the bushing with a grease gun. Fits brass or bronze bushings from 1/2” to 3/4” I.D. Not for use on steel bearings. Made of case hardened steel. Skin-packed. (4 oz.)

**TRANSMISSION SEAL REMOVERS/INSTALLERS**
• INSTALADORES/REMOVEDORES DE SELLO DE TRANSMISIÓN •
Remove and install transmission shift selector shaft seals without draining fluid. To use, screw cone-shaped threads into seal and tighten remover screw to pull worn seals. Place installer over new seal and selector shaft and tap with hammer to install.

- **KDT-2392**  Chrysler
- **KDT-2393**  GM

**SPRING COMPRESSORS**
• COMPRESORES DE RESORTES ESPIRALES •

**KDT-2398 Spring Compressor Transmission Clutch**
(Compresor de Resortes Espirales de Embrague de Transmisión)
Compresses automatic-transmission clutch springs on some GM, Ford, Toyota and other transmissions. It permits easy removal and installation of snap rings. Job can be completed without removing center shaft and clutch assembly from transmission housing. To use, force legs in and catch jaws inside transmission drum groove. Loosen wing nuts and adjust pushers. Tighten screw until lock ring is free to be removed.

**OTC-7024 Automatic Transmission Clutch Spring Compressor**
(Compresor de Resortes Espirales de Embrague de Transmisión Automática)
For removing and installing the transmission rear clutch piston snap ring. Adjustable for most models of American cars and light trucks. Applies pressure to the retaining washer in the clutch drum to compress clutch piston return springs in order to remove or install snap ring during clutch repair or overhaul.
AUTOMATIC TRANSMISSION TOOLS

OTC-6604 Transmission Fluid Fill Adapter
(Adaptador de Llenado de Aceite de Transmisión)
Use to fill or add fluid to the 6R85W automatic transmission on 2003–newer Ford Explorers.

OTC-7244 Ford Transmission Quick Disconnect Coupler Tool
(Acoplador de Desconexión Rápida para Transmisión de Ford)
Removes push lock connectors found at both the transmission, power steering lines, and radiator connections on ’83 - current Ford and GM vehicles.

OTC-7471A Cummins Diesel Engine Barring Tool
Used on Cummins B and C series engines and 5.9 liter turbo diesel used in Dodge pick-ups. Simply insert into the flywheel housing until it engages the ring gear. A 1/2” square drive ratchet is then used to rotate the engine. Tool’s load-bearing collar provides friction-free operation while rotating the tool in the housing. Weight 11oz.

RTI-ATX-3 Automatic Transmission Fluid Exchanger with Dipstick Tube Exchange
(Intercambiador de Aceite de la Transmisión Automática)
The first transmission fluid machine to offer fully automatic operation using an accurate exchange process, as well as offer the dipstick tube exchange service option. Features electronic keypad with logical intuitive command functions, fully automatic operation, multi-fluid exchange capability, transmission pressure diagnostics, high volume fill pump, digital weight scale technology for precise fluid flow measurement & accurate fluid exchange, proportional motor control to maximize exchange percentage, comprehensive color-coded adapter set with reference guide, and patented bypass circuit for vehicle protection if power is interrupted.

THX-319 Transmission Cooler Line Plugs
(Tapones de Línea de Enfriador del Aceite de la Transmisión)
Plugs seal male or female fittings just like a faucet valve. Allows vehicle to be driven from service bay with radiator off. Eliminates loss of transmission fluid and messy, slippery floors. 16” chain keeps plugs together and serves as a tube support.

VET-909 Transmission Bushing Installer
(Instalador del Buje de la Transmisión)
Easily installs nylon bushings into place without fraying. Works with Mercedes-Benz automatic transmissions, plus some Ford, GM and VW models.
**LIS-23400 Transmission/Transaxle Plugs**  
(Tapones de Transmisión Transversal)  
Stops loss of transmission fluid. Five stepped plugs fit both transmissions and transaxles on most import and domestic cars and pickups. Stepped design prevents slipping out. Adapter 23450 includes side gear centering for Ford Transaxles. Plugs cover a range of 1”–2.180” (25.4mm–55.37mm). Plugs may be purchased individually.

<table>
<thead>
<tr>
<th>I.D. NO.</th>
<th>SIZE RANGE</th>
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</thead>
<tbody>
<tr>
<td>LIS-23410</td>
<td>1”–1.250” (25.4mm–31.75mm)</td>
</tr>
<tr>
<td>LIS-23420</td>
<td>1.300”–1.550” (33.02mm–39.37mm)</td>
</tr>
<tr>
<td>LIS-23430</td>
<td>1.600”–1.850” (40.64mm–46.99mm)</td>
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<tr>
<td>LIS-23440</td>
<td>1.925”–2.180” (48.895mm–55.37mm)</td>
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<tr>
<td>LIS-23450</td>
<td>For Ford Transaxles</td>
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</table>

**1/2” 12 PT. DRIVE DRIVE LINE / LIMITED CLEARANCE IMPACT SOCKET SETS**  
*SET DE DADOS IMPACTO DE ESPACIO LIBRE DE LÍNEA/LIMITADO 1/2” EJE DE 12 PUNTOS*  
Use with Ford, Chevrolet, Chrysler, Dodge, GMC, and Jeep vehicles. The universal impact socket with extra length design simplifies the removal and installation of driveline bolts, torque converters, cylinder heads, 4X4 transmission casings and other applications.

- SUN-2695 9-Piece Metric – Sizes 8-17mm.  
- SUN-2696 7-Piece SAE – Sizes 5/16”–3/4”.  
- SUN-212ZUMDL Ford Drive Line 12mm 12 Point Universal 4-9/16” Long Impact Socket.
AUTOMATIC TRANSMISSION TOOLS

**KDT-2420 Clutch Alignment Set**  
*Set para Alinear Embrague*  
Aligns single disc clutches on American and imported cars, light trucks, and tractors. Set includes shaft and 8 two-stepped pilot bearing adapters covering 16 sizes. Plate aligning cone has 1-1/8" maximum diameter taper.

**KDT-41810 SAE & Metric Clutch Alignment Kit**  
*Kit para Alinear Embrague - Métrico & Fraccional*  
Aligns single disc clutches on domestic and imported cars, light trucks, and tractors. Includes 2 driver bars (SAE & Metric), 3 cones (1 for SAE & 2 Metric), 7-piece SAE and 5-piece metric bushing sets.

**LIS-55500 Clutch Alignment Tool**  
*Herramienta para Alinear Embrague*  
This tool aligns clutch plates and pilot bearings accurately so the shaft can be easily and quickly inserted on the first try. Shaft and bushings combine to provide an accurate fit for eight pilot bearing sizes. Two specially turned sizes 1" and 1-1/8" fit 90% of the clutch plates and the tapered cone handles the rest.

**LIS-61750 Metric Clutch Alignment Tool**  
*Herramienta para Alinear Embrague Métrico*  
For faster, easier replacement or repair of metric clutches. Tool consists of the shaft, 10 pilot bushings and two plate alignment cones with graduated turned diameters for “automatic” fit of most metric clutch plates. A tapered cone to fit all others is provided.

**OTC-5044 Self-Adjusting Clutch Rotating Tool**  
*Herramienta de Rotación de Embrague Ajuste Automático*  
Replaces self-adjuster mechanism on Spicer® self-adjust clutches.

**OTC-7028 Spicer® Clutch Adjusting Wrench**  
*Llave para Ajuste Embrague de Spicer®*  
Adjusting wrench for Spicer® built heavy-duty clutches. For internal adjustment of Spicer® angle-spring and multiple lever clutches found on nearly 50% of all heavy duty trucks. (1-1/2 lbs.)
FORD CLUTCH COUPLING TOOLS
• ACOPLADORES DE EMBRAGUE DE FORD •
This tool disconnects the hydraulic clutch line from the clutch slave cylinder without damaging the coupling. This tool is for use on manual transmissions with hydraulic clutches found on 1988 to current light-duty trucks, Bronco IIs, Rangers and Explorers, and 1989 to current Thunderbirds and Mercury Cougars with manual transmissions.

KDT-3413 KD Tools
LIS-11750 Lisle
OTC-7646A OTC

TRUCK CLUTCH ALIGNMENT SHAFTS
• EJES PARA ALINEAR EMBRAGUE •
Each tool is constructed of lightweight fiberglass reinforced nylon body that won’t hang up in the clutch disc splines. Each tool is designed to provide a perfect fit to the spline of the clutch disc, easily supports heavy pressure plates.

OTC-5029 2" O.D., 1-1/4" pilot.
OTC-5070 1-1/2" O.D., 30mm pilot
OTC-7072A 1-1/2" O.D., 1" pilot.
OTC-7480 1-3/4" O.D., 1" pilot.

OTC-5045 Drive Pin Installing Tool
(Instaladore de Perno Propulsor)
Makes for precise alignment and proper installation of the spacer plate drive pins on the pot type 14" flywheel. Ensures free action of the clutch assembly.

OTC-5053 Mack Adjusting Screw Socket
(Dado para Ajuste de Tornillo de Mack)
Mack truck king pin and thrust bearing service is made easier with this 1/2" drive socket. Precisely fits the slotted king pin adjusting screw on most Mack 12,000 through 20,000 lb. front axles with tapered king pins.
UNIVERSAL VACUUM PVS, TVS VALVE AND OXYGEN SENSOR SOCKET
All have 7/8” hex opening.
KDT-3259 1/2” drive
LIS-12100 3/8” drive

OIL PRESSURE AND STOP LIGHT SWITCH SOCKETS
Sockets have 1” and 1 1/16” hex openings
KDT-2569 3/8” drive or 15/16” wrench
LIS-13200 3/8” drive or 1 1/8” wrench
SKT-4488 3/8” drive
LIS-13250 1 1/16” deep-3/8” drive or 1-1/8” hex

OIL PRESSURE SENDING UNIT SOCKETS
Used to remove and replace oil pressure Sending Units.
KDT-3272 1 3/16” hex opening (1/2” drive)
KDT-3458 1 1/16” hex opening (deep) (3/8” drive)
LIS-13150 1 3/16” hex opening (deep) (3/8” drive)

ATD-5663 7-Piece Sensor & Sending Unit Socket Set
(7 pzs. Set de Casquillos para Unidad de Sensor y Despacho)
22mm (7/8”) Heated Oxygen Sensor Socket • 7/8” (22mm) Low Profile Offset Oxygen • 7/8” (22mm) Oxygen Sensor Socket • 7/8” Universal Vacuum PVS, TVS Valve & Oxygen Sensor Socket • 1” & 1-1/16” Oil Pressure Sending Unit Socket • 1-3/16” (29mm) Oil Pressure Sending Unit Socket • 1-1/16” (27mm) GM Thermal Sensor Switch Socket (4.8 lbs).

KDT-41720 8-Piece Master Sensor Socket Kit
(8 pzs. Set Master de Casquillos para Sensor)
Includes: 1-3/16” (29mm) 1/2”-drive oil sensor socket; 7/8” (22mm) slotted 3/8”-drive PVS, TVS, and 02 socket; 1-1/16” (27mm) 1/2”-drive GM thermal sensor switch socket; 7/8” (22mm) oxygen sensor socket; 1-1/16” oil pressure sending unit socket 3/8” drive; 7/8” (22mm) regular and low-profile oxygen sensor sockets; 1-1/16” short access socket 3/8” drive.

THX-396 Ford TFI Module Socket
(Dado Módulo de TFI Ford)
For Ford/Mercury/Lincoln with Thick Film Ignition modules and 5.5mm hex bolt. 1/4” drive, 5.5mm socket reaches hold-down bolts where a standard socket won’t. 3/8” wrench also fits. Not for use as an impact socket.
**LIS-12230 Oxygen Sensor Thread Chaser**  
(Limpiador para la Rosca)  
Use with 3/4” hex socket or 3/8” square drive and also works on M18 x 1.5 spark plug threads.

**LIS-12390 Dual Drive Oxygen Sensor Wrench**  
(Llave para Sensor de Oxígeno de Doble Eje)  
Use with a breaker bar to loosen stubborn oxygen sensors. Comes with both 1/2” and 3/8” drive. Fits oxygen sensor applications with a heat shield. (9 oz)

**LIS-43900 Pneumatic Oxygen Sensor Remover**  
(Removedor para Sensor Neumático de Oxígeno)  
Use this set w/ an air hammer to remove stubborn oxygen sensors. The pneumatic action works where conventional sockets won’t, and compact design allows easy access under the hood. (1.25 lbs.)

**SLY-67750 Oxygen Sensor Wrench**  
(Llave del Sensor del Oxígeno)  
Designed for use with most all oxygen sensors no matter what size electrical connectors they have with a 6-point side and a 12-point side. Also features newly designed pivoting handle, which allows maximum accessibility in confined areas.

**SLY-88750A Compact Oxygen Sensor Wrench**  
(Herramienta Compacto de Sensor de Oxígeno)  
Designed for use with most all oxygen sensors no matter what size electrical connectors they have and allows easy access to the oxygen sensor, which is often located in a very confined area. The #88750 even fits into the area above the catalytic converter on 16 valve VW GTIs. Works on many domestic and foreign applications. Made from quality alloy steel with a black finish.

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**STEELMAN.**  
**JSP-95944 5-Piece Japanese Terminal Tool Kit**  
(5 pzs. Kit de Herramientas para Terminal de los Vehículos Japoneses)  
Includes 2 single face blades, ladder blade, knife blade tool, and dual face blade tool. Use on Acura, Honda, Toyota, Lexus Nissan, Infiniti, Mitsubishi, etc. Eliminates potential damage to wires and/or terminal blocks. Features knurled finish handles for extra grip and are individually marked for easy reference. Application chart included inside storage case.

**STEELMAN.**  
**JSP-95978 19-Piece Master Terminal Tool Kit**  
(19 pzs. Kit de Herramientas deTerminal Maestro)  
Includes the latest tools for new Volkswagen and Audi vehicles, plus special tools for coolant sensors, wiring harnesses and terminal blocks on Chrysler, Hyundai, KIA, Mitsubishi and most other modern vehicles. Designed with knurled finish handles for extra grip. Handles are individually marked for easy reference to application chart found inside storage case.
**LIS-44870 Universal Lift Support Clamp**
(Grampa Universal para Soporte de Elevación)
Holds gas charged lift supports found on hoods, tailgates, hatchbacks and trunks.
Clamp securely holds weak lift supports in the extended position to allow access to
the engine compartment or luggage area. The aluminum body and brass threads
prevent damage to the lift support. Colorful flag serves as a reminder to remove the
clamp.

**LIS-45900 Hood Prop**
(Soporte del Capó)
Works on all makes of cars and trucks. The three piece, telescoping design allows
the mechanic to hold the hood in the desired position. The tool telescopes from 18-
1/2" to 46-3/4". Can be used from the side of car for better access to the engine
compartment. Also great for body or repair work on doors, trunk lids, or hatchbacks.

**LIS-46170 Hood Prop with Anti-Slip Support**
(Soporte del Capó con Contra Resbalosa)
Includes our standard hood prop plus a support to help prevent the bottom of the tool
from slipping. The three-piece telescoping shaft locks in any position to hold hood
to the desired height. The tool with the support telescopes from 20" to 48 1/4". Place
the support over a hood adjuster. Then set the hood prop base into the holding sup-
port. (2 lb. 4 oz.)

**THX-430 Universal Hood/Tailgate Prop**
(Soporte Universal del Capó/Puerta Trasera)
Clamps to weak gas cylinder lifts to hold up hood or tailgate. Won’t damage cylinder
rod. Eliminates clumsy sticks or props.
**ATD-3041 Harmonic Balancer Puller**
(Extractor de Balanceador Harmónico)
For diameters 1-1/2" to 4-5/8".

**LIS-52650 Harmonic Balancer Installer**
(Instaldor para Balancín Armónico)
Includes a driving screw, thrust bearing and threaded adapters necessary to work on a wide range of domestic and some import balancers. (3.5 lbs.)

**HARMONIC DAMPER PULLERS**
• EXTRACTORES DE AMORTIGUADORES HARMÓNICOS •

**AST-7821 Harmonic Damper Puller**
(Extractor de Amortiguadores Harmónicos)
Aids in the removal of the harmonic damper pulleys, often eliminating the need to remove the radiator. For use with most Chrysler and GM cars, trucks and vans 1990 & later with 4 CYL., V-6 and V-8 engine.

**AST-7846 Harmonic Damper Puller Set**
(Set de Extractor de Amortiguadores Harmónicos)
Removes hard-to-reach harmonic damper pulleys found in most Hyundai, Mazda, Mitsubishi Eclipse 1995-99, many Chrysler 1990-era and some GM engines. In most cases, this low-profile tool eliminates the need to remove the radiator before accessing the pulley.

**ATD-3039 Late Model Harmonic Dampener Puller and Holding Tool Set**
(Extractor de Amortiguadores Harmónicos de Modelos Recientes)
Designed for removing dampener pulleys on late model vehicles in tight engine compartments, without removing the radiator. Kit contains the 3-jaw puller with a 3/4" hex for wrench or socket use, 3 lengths of forcing rods, a forcing screw with 3/8" square drive for ratchet use, and a Chrysler harmonic balancer holding tool.

**OTC-6667 Harmonic Damper Puller**
(Extractor de Amortiguadores Harmónicos)
Aids in the removal of the harmonic damper pulleys, often eliminating the need to remove the radiator. For use with most Chrysler and GM cars, trucks and vans 1990 & later with 4 CYL., V-6 and V-8 engine. Includes fourth rod for Mitsubishi 2.0 and Ford 1995 V8.
CRANKSHAFT/CAM TOOLS

CRANKSHAFT TOOLS
• HERRAMIENTAS DEL CIGÜEÑAL •

KDT-2270 Flywheel Turner
(Herramienta para Girar Volanta del Motor)
Hook tool into flywheel teeth to rotate crankshaft. Use when working on clutches, transmissions, installing rings or other jobs that require the crankshaft to be in a specific position. Spring tension holds tool onto flywheel.

KDT-3970 Honda & Acura Crankshaft Holding Tool
(Herramienta para Asimiento del Cigüeñal de Honda y Acura)
Holds crankshaft in place allowing for removal of hard-to-loosen crankshaft damper bolts and easy to use one-man operation tool speeds up repair. Proper angle ensures easy access to crankshaft damper bolts and works with 1/2” square drive. Fits most Honda and Acura 4 cylinder applications from 1990 and up.

OTC-6075 Chrysler Crankshaft Damper Remover/Installer Kit
(Instalador y Removedor de Amortiguador del Cigüeñal Chrysler)
• Services Chrysler-built 2.0L, 2.4L, 2.5L, and 3.5L engines.
• The 3-jaw puller is used with the insert to remove the crankshaft damper whenever timing belt, water pump, or front cover service is required. The tool kit includes a damper installing tool with bearing.
• Application: 1995-newer 3.3L and 3.5L V-6 used in Chrysler New Yorker and Concorde, Dodge Intrepid, and Eagle Vision; 1995-newer 2.0L, 2.4L 4-cyl. and 2.5L V-6 used in Cirrus, Stratus, and Breeze; 1995-newer 2.0L 4-cyl. used in Neon.

CAM TOOLS
• HERRAMIENTAS DEL ÁRBOL DE LEVAS •

KDT-3840 CamClamp – Universal Timing Gear Locking Tool
Specifically designed to retain sprocket wheels to maintain proper timing during timing belt service. Features Patented Uni-Tooth design which works on both USA and Imports by gripping the geared side of the cam sprocket. Fits Gears with diameters from 4 to 6” and spacing up to 3”.

LIS-36880 Dual Overhead Cam (DOHC) Lock Tool
(Herramienta de la Cerradura de Doble Arbol de Levas Encima de la Cabeza)
Locks Camshaft Sprockets in place during belt/chain replacement. This versatile tool easily locks and holds both camshaft sprockets firmly in place. Unique design uses knurled pins to hold against the inside of the cam sprockets. The two parallel bars “float” which allows the knurled pins to align with the sprockets. Preserves the engine timing during belt or chain replacement. (10 oz.)

LIS-38220 Universal Cam Adjuster
(Ajustador de Arbol de Levas Universal)
Adjusts to fit different sized cam sprockets. This adjustable tool is designed to both hold and turn cam sprockets. The tool is needed to turn the cam sprockets to adjust the cam position. It can also be used to hold the cam sprocket in place when removing the cam bolt. It will work on all single and dual overhead cam sprockets with holes. (1 lb. 2 oz.)
**KAS-950 11-Piece Gasket Hole Punch Set**
*(11 pzs. Set de Perforador de Juntas)*

**KDT-3422 Ford Fan Clutch Wrench**
*(Herramienta de Embrague del Ventilador para Ford)*
Removes thermostatic fan assembly on 1993 to current 4.9-L Ford engines. Used in conjunction with 58mm short wrench. Holds pulley bolts while turning square shaft on fan clutch.

**LIS-14440 Water Pump Wrench For GM Northstar**
*(Herramienta de Bomba de Agua para GM Northstar)*
Removes and installs the water pump assembly on GM Northstar 4.0L and 4.6L engines. Turn the tool with a 1/2" drive ratchet or breaker bar. Angled teeth prevent the tool from slipping.

**LIS-22100 Flywheel Locking Tool for 6.6l Duramax**
*(Herramienta de Seguridad de volanta del motor para Duramax 6.61)*
Locks flywheel in place when removing harmonic balancer on 6.6L Duramax engines with Allison automatic transmissions. Saves time by locking the flywheel at the transmission instead of having to remove the starter for water pump replacement. Use 36mm 12-point socket with 3/4" square drive to remove harmonic balancer bolt and retorque on installation. (2 lbs.)

**LIS-58430 Shaft Type Seal Puller**
*(Extractor de Sello del Eje)*
Removes cam shaft and crank shaft seals without damage to the shaft. Engage the adjustable hook behind the seal. Brace the push rod against the engine head and push the handle to remove the seal. Removes the seal without damage to the shaft.

**LOC-995 Timing Gear Pliers**
*(Alicates para Engranaje del Tiempo)*
Aids in removal and replacement of timing gears and serpentine belt pulleys. Includes storage case and interchangeable composite inserts that safely grip timing gear teeth.

**OTC-6486 Ford Cam Tool Kit**
*(Herramienta de Arbol de Levas para Ford)*
Ensure proper cam timing when servicing timing belts, chains, head gaskets or other valve train repairs on 2.0L Zetec engines in Contour/Mystique.

**OTC-6474 Ford Cam Alignment Tool**
**OTC-6475 Ford Crank TDC Timing Peg**

**OTC-6489 Ford Master Cam Tool Set**
*(Set de Herramienta de Arbol de Levas para Ford)*
Contains all 22 cam tools covering 1992 thru 2002 applications for over 50 applications, in a molded storage case. (12 lbs. 5 oz.)

**OTC-6930 Flange Type Puller**
*(Extractor de Tipo Pestaña)*
Pulls harmonic balancers, timing gears and parts having two or three tapped holes. Slotted holes in puller body permit cap screws to be positioned to handle bolt circle diameter from 1/2" to 4-5/8". Reach of puller is 4-1/4". Includes 3 cap screws 3/8"-24 x 3", and 3 cap screws 3/8"-16 x 3".

**SIR-HO110 Honda Master Installation Kit**
*(Kit Master de Instalación para Honda)*
This master kit was designed for the crucial task of “damage free” balance & cam shaft oil seal installation on most 4 cylinder engines Honda/Acura produced since 1984.
**KAS-5344 3-Piece Universal Ratcheting Serpentine Belt Wrench Set** (3 pzs. Set de Herramientas Trinquete de Banda Serpentina)
Sizes: 13mm or 1/2" hex, 14mm hex, 15mm hex, 16mm or 5/8" hex, 17mm hex, 18mm hex, 19mm or 3/4" hex, 3/8" square, 1/2" square, 3/4" square.

**KDT-3414 Serpentine Belt Tool** (Herramienta de Banda Serpentina)
Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulley. Just push or pull to release tension. Replacement parts are listed in the chart below. Exclusive Crow Foot wrenches provide maximum coverage and access.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>FITS</th>
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<tbody>
<tr>
<td>KDT-3414-80 Long-Handle Wrench</td>
<td>Ford 1.9 and 2.3 L, GM 3.1 L</td>
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<tr>
<td>KDT-3414-82 15mm 12-Point Socket</td>
<td>Ford 3.0 and 3.8 L, Chrysler 3.0, 3.3 and 3.8 L, GM 2.2, 2.8, 3.8 and 5.7 L</td>
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<tr>
<td>KDT-3414-83 16mm 12-Point Socket</td>
<td>Ford 3.8 and 4.0 L</td>
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<td>KDT-3414-86 14mm Crowfoot</td>
<td>Saturn Engine</td>
</tr>
<tr>
<td>KDT-3414-87 15mm Crowfoot</td>
<td>Ford Windstar with 3.8 L Engine</td>
</tr>
</tbody>
</table>

**KDT-3680 Serpentine Belt Tool Kit** with Gearwrench™ Technology (Kit de Herramienta de Banda Serpentina con Tecnología de Gearwrench™)
100% coverage for major vehicles with serpentine belt configuration. The versatility and strength of the Gearwrench™ allows unlimited access to serpentine pulley tension arms. Sizes: 3/8", 1/2" and 3/4" square adapters, 14mm-19mm sockets, and 13mm-15mm crowfoot sockets. Organized in a FREE molded storage case.

**LIS-59000 Ratcheting Serpentine Belt Tool** (Herramienta de Banda Serpentina)
Releases tension on serpentine belts with a spring loaded idler pulley. Ratcheting head with freewheel position allows maximum leverage. Includes 13-19mm sockets, 3/8" and 1/2" square drive, and handle assembly. (3 lbs.)

**OTC-6673 Universal Belt Tension Gauge** (Medidor Universal para Correa de Tensión)
Belt tension gauges are used to properly check drive belt tension on drive belts to ensure maximum belt and bearing life. Scale reads 30–180 inch lbs.

**THX-383 Saginaw Power Steering Belt Tightener** (Apretador para Banda de la Dirección Hidráulica de Saginaw)
Heat-treated steel tool tightens belt on GM type Saginaw pumps. Slips over bracket to eliminate damage to pump housing. Eight pointed star for use with 1/2" drive ratchet or breaker bar. Improved design resists breakage.
**KDT-700 Valve Spring Lifter**  
(Botador de Resorte de la Válvula)  
Designed for use on small US and imported L-head engines and provides a clear view of valve. Tool remains at set height, and jaws are adjustable.

**LIS-13750 Hydraulic Lifter Puller**  
(Extractor de Botador Hidráulico)  
Remove stuck hydraulic valve lifters. Expanding collet firmly grips the tightest lifters. Special designed slide hammer jars the lifter loose. (1 lb. 2 oz.)

**LIS-35500 Rocker Stoppers**  
(Spring steel clips with gaskets stop splashing, squirting hot oil while you adjust clearances. Designed for cars with hollow, oil-fed push rods. Stoppers save up to two quarts of oil, eliminate fire hazard when hot oil splashes on manifold. Reusable.

**LIS-48500 Push Rod Remover**  
(Removedor de Varilla de Empuje)  
Works on GM V6 2.8L, 3.1L and 3.4L engines. Quickly removes push rods so you can replace the intake gasket. No need to loosen and retighten the rocker arm. The tool pivots the rocker arm to compress the valve spring and free the push rod for removal.

**TAPPET REMOVERS • REMOVEDORES DE BOTADOR •**

**KDT-2079 Heavy-Duty Hydraulic Valve Tappet Remover**  
(Removedor de Botador de la Válvula Hidráulica para Uso Pesado)  
Remove most stuck hydraulic valve tappets with this slide hammer-type tool. Spread jaws to clamp recessed area of tappet and use slide hammer to remove. Adapters convert tool to a puller for baked-in valve tappets. Turn adjusting nut with 5/8” wrench. This is a serviceable product.

**KDT-2079-82 Replacement Head Assembly**

**KDT-2114 Valve Tappet Remover**  
(Removedor de Botador de la Válvula)  
Removes hydraulic tappets that are not stuck or baked in. Tool allows tappet removal without removing most manifolds.

**VALVE GRINDERS • ESMERILADORAS DE VÁLVULA •**  
For hand grinding flat head, unslotted valves. Synthetic rubber vacuum cups are resistant to oil, grease, gasoline and atmospheric conditions. Replaceable cups have thin walls for greater suction.

**KD TOOLS**  
<table>
<thead>
<tr>
<th></th>
<th>Lisle</th>
<th>CUP DIAMETER(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KDT-501</td>
<td>LIS-21200</td>
<td>5/8” and 13/16”</td>
</tr>
<tr>
<td>KDT-505</td>
<td>LIS-21100</td>
<td>1-1/8” and 1-3/8”</td>
</tr>
</tbody>
</table>

**AIR HOLD FITTING SET • SET DE ACOPLACIÓN PARA SOSTENER DE AIRE •**  
Fits 14mm and 18mm spark plug holes. Threaded to take standard air hose coupling. Used to apply air pressure to keep valves closed while servicing single valves. Use with valve spring compressors located on pages 158 and 159.

**KDT-901**

**14MM/18MM AIR HOLD EXTENSION HOSES • MANGUERAS DE EXTENSIÓN PARA SOSTENER DE AIRE •**  
14” long hose incorporates special 14mm and 18mm stepped fitting with “O”-ring seals for universal fit and 1/4” NPT fitting for easy connection to air lines. Ideal for replacing weak or broken valve springs or valve guide seals without removing head from engine. Long hose ideal for reaching deep set spark plug holes.

**KDT-2902**  
KDT Tools

**LIS-19700**  
Lisle
KDT-379 Small Engine Valve Spring Compressor
(Compresor de Resortes Espirales de Válvula para Motor Pequeño)
Ideal for Briggs and Stratton, Clinton, and Kohler engines. Consists of KDT-376 Inserter and KDT-378 Compressor. Compressor has operating handle at rear for more convenient operation.

KDT-380 Valve Spring Compressor
(Compresor de Resortes Espirales de Válvula)

KDT-912 8-Cylinder Valve Spring Compressor
(Compresor de Resortes Espirales de Válvula de 8-Cilindro)
For Chevrolet and Pontiac. Heavy gauge channel steel construction. Use with 14mm or 18mm air hold fittings. Length 12-1/2".

KDT-2078 Universal Overhead Valve Spring Compressor
(Compresor de Resortes Espirales de Válvula Encima de la Cabeza)
Removes valve springs on most cars with overhead valves without removing cylinder head. Offset jaws grip valve spring in parallel compression. Tool maintains constant length as spring is compressed. Use with Air Hold Fitting to keep valves in place.

KDT-3087 Valve Spring Compressor
(Compresor de Resortes Espirales de Válvula)
Tool compresses valve springs on most overhead valve engines including GM, Ford, Chrysler, Nissan, and Toyota. Jaws adjust to fit over spring retaining washer. An adjustable handle allows easy clearance in tight areas. GM adapter included. Use No. 3269 Fulcrum Rail if overhead cam is not available.

KDT-3271 Deluxe Universal Overhead Valve Spring Compressor
(Compresor de Resortes Espirales de Válvula Encima de la Cabeza de Lujo)
Compressor easily removes valve springs on most cars and light trucks. Tool can be used with the cylinder head on or off the engine. Features a removable handle allowing use with 5/8" socket or wrench in confined areas and an extra-long leg for more applications. For best results, use with 901 or 2992 Air Hold Fittings to pressurize the cylinder and keep the valves in place during removal of the spring and keepers.
**LIS-16750 “On the Car” Valve Spring Compressor**
(Compresor de Resortes Espirales de Válvula)

Makes compressing the spring and removing the keepers a simple job because there is no need to remove the head. Adjustable cam action. Fast, because there is no need to readjust the tool after each spring. When space prohibits use of cam handle, replace handle with bolt and turn with socket.

**LIS-23300 Small Engine Valve Spring Compressor**
(Compresor de Resortes Espirales de Válvula)

For springs 3/4" to 1-1/16". Heavy-duty frame and screw for rigidity. Two jaw sizes. For Briggs and Stratton, Clinton, Harley Davidson, etc.

**VALVE SPRING COMPRESSOR JAWS**
- **MANDÍBULAS DE COMPRESOR DE RESORTES ESGIRALES DE VÁLVULA**

Will service many V8 valve-in-head engines and many smaller L-head engines if manifolds are removed. Throat depth 7-1/2". Jaw opening 2-3/4" to 5-7/8". Offset jaw included.

**OTC-1200 Manual Truck Sleeve Remover Set**
(Removedores de Camisa de Camión)

This manually operated, screw-powered unit removes engine sleeves on more than 450 makes and models of trucks, buses, tractors, etc. Adapter plates are inserted through bore from the top, making sleeve removal a one-man operation. Adapter plates, are not included in the set. (26 lbs.) (Not recommended for Mack engines.)
**KDT-850 Piston Ring Compressor Set**  
(Compresores de Anillo del Pistón)  
Designed to operate both vertically and horizontally. Fine tooth ratcheting lock allows you to compress band in small increments. Installs piston rings from 2-7/8" to 4-3/8". Includes pliers and six bands in sizes 2-7/8" to 4-3/8".

**KDT-870 Piston Ring Filer**  
(Herramienta para Limar de Anillo del Pistón)  
File piston rings with this portable rotary filer. Use to accurately size any make or diameter ring. Filer includes extra-hard, fine-grit carbide-coated cutter file.

**KDT-1122 Piston Ring Compressor Band**  
(Banda de Compresor de Anillo del Pistón)  
Compresses piston rings 3-5/8 TO 3-7/8 (92 TO 98mm).

**KDT-1724 Diesel Piston Ring Compressor**  
(Compresor de Anillo del Pistón para Diesel)  
Use to install pistons 3 1/2 to 7" (89 to 177mm) in diameter on trucks and tractors. This 6 1/2" high positive lock compressor has four tension bands and compresses diesel upper and lower rings. Bands are made of spring steel and beaded along lower edge to prevent compressor from entering the cylinder.

**KDT-2284 Heavy-Duty Piston Ring Compressor**  
(Compresor de Anillo del Pistón para Uso Pesado)  
For passenger cars with piston 2-1/8" to 5" in diameter.

---

**RING COMPRESSORS**  
- COMPRESORES DE ANILLO -

**LIS-18500**  
For small engines and cylinders. 1-1/2" to 3" (38.1 to 76.2mm) range.

**LIS-19500**  
For most passenger cars and light trucks. 2-1/8" to 5" (54 to 127mm) range, (Height 3-1/2")

**LIS-20500**  
For larger trucks and tractors. 3-1/2" to 7" (88.9 to 177.8mm) range, (Height 3-1/2").

**LIS-21000**  
For trucks and tractors, 3-1/2" to 7" (88.9 to 177.6mm) range, (Height 7").

**LIS-21500**  
For very large engines. 7" to 10" (177.8 to 254mm) range, (Height 7").

**LIS-21700 Wrinkle Band Ring Compressor**  
(Compresor de Anillo de Banda Arruga)  
Range 3" to 5" (76.2 to 127mm). Cuts friction, rings slide in easily. Cannot slip down into cylinder. Cam operated, set adjustment screw just once for entire set of pistons. Insert a full set of pistons in half the time with half the work.
**LIS-24000 Piston Ring Groove Cleaner**  
(Purificador de Ranura del Anillo del Pistón)

Ten cutter sizes on two easy-to-set wheels. Standard LIS-24020 cutter blade sizes are 5/64", 3/32", 1/8", 5/32 and 3/16". Also, LIS-24350 cutter blade sizes: 1.5mm, 1/16", 1.75 mm, 2mm, and 1/4". Handles pistons 2-3/4" to 5" (69.8 to 127mm) diameter. Easy to set up on the piston because rack and pawl mechanism eliminates the problem of setting a thumbscrew while holding the tool in position. Heavy coil spring holds cutter in groove under pressure for fast, clean removal of carbon.


**LIS-24040 Adapter Plate for Pistons from 1" - 2-3/4"**

**LIS-24270 Metric Cutter Wheel. 2, 2.5, 3, 4 and 5mm settings**

**LIS-24350 Special Cutter Wheel 1.5mm, 1/16", 1.75mm, 2mm, & 1/4"**

**LIS-33500 Piston Ring Installer**  
(Instalador del Anillo del Pistón)

Removes and installs rings easily without damage. Tapered jaws handle most passenger car and light truck rings from 3/64" to 1/4".

**CAMSHAFT BEARING TOOLS**  
• **HERRAMIENTAS PARA RODAMIENTO DE ÁRBOL DE LEVAS**

**ATD-8620 Universal Camshaft Bearing Tool**  
(Herramienta Universal para Rodamiento de Árbol de Levas)

- Removes or inserts camshaft bearings in nearly all engines
- Range of 1-1/8" to 2-11/16"
- Easy on bearings
- Universal Camshaft Bearing Tool includes:
  - driving shaft, driving shaft extension, expander unit, 5 split driving plugs, 2 driving collars, centering cone and a blow molded case

**LIS-18000 Universal Camshaft Bearing Tool**  
(Herramienta Universal para Rodamiento de Árbol de Levas)

Remove or insert camshaft bearing smoothly in nearly all engines from compact cars to heavy trucks. The expander unit has a neoprene sleeve over which the split driving plugs are mounted and expanded to size. Each split driving plug has 4 neoprene “O” rings which, together with the neoprene sleeve, provide a double shock absorber to prevent damage to new bearings. Range 1.125" to 2.69" (28.58 to 68.3mm). Includes driving shaft, driving shaft extension, expander unit (fits either driving shaft or extension), five split driving plugs, two driving collars and centering cone all in heavy-duty fitted blow molded case.

**LIS-18410 Rubber Sleeve**
**AMM-3800 Cylinder Surfacing Hone**  
(Pulir de Pavimentación para Cilindro)  
2” to 7” (50.8 to 177.8mm) range handles cars and trucks. Cleans up a cylinder in 20 seconds. Powered by 3/8” or 1/2” drill. Deglazes, gives correct finish for fast ring seating and long life. Eliminates comebacks on ring jobs. Constant, correct honing pressure. Flexible drive for hard-to-get-at cylinders.  
- **AMM-3810** Stone Set - (280 grit), standard  
- **AMM-3833** Stone Set - (400 grit)  
- **AMM-3840** Stone Set - (180 grit)  
- **AMM-4040** Stone Set - (100 grit)  

**ATD-5430 Engine Cylinder Hone**  
(Pulir de Cilindro de Motor)  
Extremely versatile hone for 2” to 7” (56mm to 178mm) diameter cylinders found on cars, trucks, busses, tractors, industrial engines and small air-cooled engines. Adjustable to infinite diameters throughout its entire range. Flexible shaft, controlled spring action and spread control limiter are features, which contribute to faster changing from one cylinder to another with fastest cutting action. Equipped with 4” (102mm) medium grit stones. Operated by high or low speed electric drill. Use with cutting oil for best results. (0.9 lbs.)  
- **ATD-5431** Replacement Stones, Medium Grit, 220-240 Grit  
  (Set of 3)  

**LIS-15000 Engine Cylinder Hone**  
(Pulir de Cilindro de Motor)  
Micrometer head assures accuracy in feeding. Expands quickly to cylinder size with fast action rack and pinion. Bottom guard plate helps prevent stones from accidentally hitting the crankshaft. Universal joint action makes grinding of back cylinders easy. Clip-on stones and wipers are easily changed in seconds. Stones are available in four grits. Use with heavy duty 1/2” drill. Range 2-3/4” to 10-1/4” with only one hone body. Long 5” stones cut faster and more accurately. Includes cylinder hone body, one set of standard range LIS-15540 racks (range 3” to 4-1/4”), one set of LIS 15500 coarse and LIS-15510 medium grit stones, cleaning brush, dressing paddle. Comes in storage case.  
- **LIS-15500** Stones—Coarse—80 grit  
- **LIS-15510** Stones—Medium—180 grit  
- **LIS-15520** Stones—Fine—280 grit  
- **LIS-15560** Rack Set  

**KDT-3029 Brake and Cylinder (Engine) Hone Set**  
(Set de Pulir de Freno y Cilindro)  
Multi-purpose hone set includes three complete hones and one set of 2” stones.  

### 3” STONE-TYPE GLAZE BREAKERS  
Full 2” to 7” (50.8 to 177.8mm) range. Controlled pressure assures positive, adjustable contact through full range. Adjustable stop-collar permits quick selection of 2” to 4” and 4” to 7” range settings and serves as safety stop if tool is extracted from cylinder while turning. Operates with any electric drill. Easily compressed with one hand to eliminate vertical scratches which might spoil the diamond crosshatch pattern when removing tool from cylinder. Three 3” stones provide more cutting surface, assure quick removal of cylinder glaze. Furnished with 220 grit stones.  
- **KDT-2833**  
- **LIS-23500**  

### 4” REPLACEMENT STONES SETS  
* 4” PIÉDRAS DE SUSTITUTO *  
- 100 Grit  
  - KDT-2834  
- 220 Grit  
  - LIS-23520  
- 240 Grit  
  - (After Re-boring Only) KDT-2835, LIS-23530  
- 320 Grit  
  - (For Moly Rings) LIS-23540  
- 400 Grit  
  - KDT-2836
FLEX HONES - BLOCK CYLINDER OR LINERS

All hones are 120 + 180 silicone carbide grit. Heavy duty for block cylinders or liners. Diameters 3-1/2" thru 5" are 12" OAL. Balance 17-1/2" OAL.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>BORE RANGE</th>
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<tbody>
<tr>
<td>BRM-GBD3</td>
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<tr>
<td>BRM-GBD3-1/4</td>
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<td>BRM-GBD3-1/2</td>
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<td>BRM-GBD4</td>
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<td>BRM-GBD6</td>
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</tbody>
</table>

BRAKE CYLINDERS, MASTER CYLINDERS AND VALVE GUIDES

For small engines. 10" OAL. All are +180 +240 silicone carbide grit.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SIZE</th>
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</thead>
<tbody>
<tr>
<td>BRM-BC1/2</td>
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<td>1/2&quot;</td>
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<td>BRM-BC5/8</td>
<td>BRM-BC2-3/4</td>
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<td>5/8&quot;</td>
<td>2-3/4&quot;</td>
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<tr>
<td>BRM-BC3/4</td>
<td>BRM-BC3</td>
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<td>BRM-BC1</td>
<td>BRM-BC6.4MM</td>
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FLEX HONES BLOCK CYLINDER

Standard duty flex hones. 12" OAL. 120 +180 silicone carbide grit.

<table>
<thead>
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<th>SIZE</th>
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<tr>
<td>BRM-GB3-1/4</td>
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<td>3-3/4&quot;</td>
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</table>

VALVE GUIDE KITS—TRANSMISSION BODIES

Kit has a savings of 10% over individual purchases.

BRM-VGF Kit (6.4mm 7mm 8mm 9mm 9.5mm 10mm 11mm); 240 Grit Silicon Carbide
LIS-36500 Ridge Reamer
(Rimador de Borde)
Range 2-11/16" to 5-5/16". Rollers assure easy turning in cylinder. Exclusive stabilizer spring allows operator to take selective cut to minimize chatter. Spring loaded carbide cutter follows contour of cylinder; complete ridge removed in just a few easy turns. Offset jaw guides assure rigidity throughout the range.

PRECISION PILOT REAMERS
• RIMADORES DE PILOTO PRECIÓN •
Have tapered pilot bushings for line reaming. Reams king bolt bushings, piston pin bushings and pitman arm bushings. Reamer blades are placed at just the right angle to give a smooth shearing cut. Retaining collars at each end of the blades, protect the reamer nuts and hold the blades firmly for easy adjustment. Carbon steel blades.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>LENGTH</th>
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<tr>
<td>CHD-02250 3/4&quot;-13/16&quot;</td>
<td>12-1/4&quot;</td>
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<td>CHD-02260 13/16&quot;-7/8&quot;</td>
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<tr>
<td>CHD-02270 .7/8&quot;-1&quot;</td>
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<td>CHD-02580 .15/16&quot;-1-1/16&quot;</td>
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<tr>
<td>CHD-02630 1-25/32&quot;-2-3/32&quot;</td>
<td></td>
</tr>
</tbody>
</table>

TAPERED REAMERS
• RIMADORES CÓNICOS •
To ream, de-burr, align or enlarge holes. Made of precision ground heat treated steel with sure grip plastic handle. Always turn clockwise and use cutting oil.

KDT-2043 Range 1/8" to 1/2"
KDT-2044 Range 7/16" to 1"
**HOR-25200 Ford/International Diesel Fuel Filter Wrench**

*(Llave de Filtro de Combustible Diesel)*

Fits both fuel filter housing lids for Ford Power Stroke and International/Navistar diesel engines and spreads the force of the removal over six contact points instead of two, preventing breakage.

**KDT-3290 Ford A/C Spring Lock Tool**

*(Herramienta de Cierre de Resorte de A/C para Ford)*

Works on most Ford air conditioning and fuel lines with spring lock couplers sizes 3/8", 1/2", 5/8", and 3/4".

**KDT-3321 Fuel Line Quick Disconnect Tool**

*(Herramienta de Desconexión Rápida para Linea de Combustible)*


**OTC-7660**

Same as above.

**LIS-62200 Heater Hose Coupler Remover**

*(Removedor de Acooplador de Manguera Calentador)*

Removes Broken Heater Hose Couplers. Drive the tool into the broken coupler. The splines cut their way into the coupler, allowing you to turn it out with a 5/8" socket or wrench. Shipping wt. 2 oz.

**LIS-62450 Heater Hose Coupler Repair Kit**

*(Kit para Reparación de Acooplador de Manguera Calentador)*

Removes even the most corroded heater hose couplers on GM vehicles using the 3.1L, 5.0L, 5.7L and 6.5L engines. Includes storage case with tray.

**LOC-940 Gas Tank Fuel Pump Removal Tool**

*(Removedor de Bomba de Combustible de Tanque de Gasolina)*

Removes plastic fuel pump retaining rings. Universal adjustable design fits most plastic retaining rings. Prevents damage to original pump retaining ring. Use with ½" drive extension and ratchet. Use to re-install old retaining ring.

**OTC-6046 GM Heater Line Quick-Connect Release Tool**

*(Removedor de Linea de Calentador para GM)*

Specially designed for separating quick-connect fittings on heater lines of 1999–2004 Chevy and GMC C/K trucks. Tool snaps around the hose and simultaneously depresses the locking tabs to disengage the fitting. APPLICATION: C/K TRUCK The 0.75 inch (3/4") heater lines coming from the I.P. have quick connect style fittings. The access is very limited and the connectors have four tangs to depress at the same time. Slide J-43181 disconnect tool over the heater line. Clamp tool over line. Then press tool into the connector to release.

**OTC-6509 Fuel Tank Lock Ring Wrench**

*(Llave de Anillo de Cierre de Tanque de Combustible)*


**OTC-7244 Ford/GM Quick-Disconnect Coupler Tool**

*(Acooplador de Desconexión Rápida para Ford/GM)*

Same as Ford No. T82L-9500-AH; and Kent-Moore No. J-36391.
AST-7892 8-Piece Disconnect Tool Set
(8 pzs. Herramientas de Desconexión)
Anodized aluminum fittings for fuel lines, fuel filters and fuel tank return lines. Fits any 5/16” or 3/8” fuel line found on GM, Ford or Chrysler cars. The set is also made to work on 1990 and new Ford Ranger or Explorers with 4.0L, 6 cylinder engines.

ATD-3399 15-Piece Deluxe Disconnect Set
(15 pzs. Set de Desconectar de Lujo)
For easy and trouble-free separation of quick disconnect and spring lock couplers found on most late model domestic and import vehicles. Set includes tools for use on 1/4”, 5/16”, 3/8”, 1/2”, 5/8”, 3/4” and 7/8” fuel lines, fuel filter, fuel pressure regulators, fuel return lines, A/C fittings, oil cooler lines, transmission oil cooler lines, radiator cooler lines, and vehicle specific applications.

ATD-3400 8-Piece A/C & Fuel Line Disconnect Tool Set
(8 pzs. Set para Desconectar Línea de Combustible/Aire Acondicionado)
Disconnects fuel, air conditioning & transmission lines. Set comes in a reusable blow-molded storage case. Includes oil cooler line, 3/8” anodized aluminum, 5/16” anodized aluminum, 1/4” anodized aluminum, fuel line, 1990+ Ford vehicles with AXOD, AOD, or ATX auto trans., 5/16” & 3/8” fuel line, and Ford CF fuel lines w/hair pin connectors disconnect tools.

ATD-5532 2-Piece Disconnect Tool Set
(2 pzs. Set de Herramientas de Desconexión)
Contains 5/16” and 3/8” 45° angle disconnect tools.

ATD-5533 6-Piece Offset Disconnect Tool Set
(6 pzs. Set de Herramientas Acodo de Desconexión)
• 5/16”, 3/8”, 1/2”, 5/8”, 3/4”, 7/8”

ATD-5539 6-Piece Disconnect Set
(6 pzs. Set de Herramientas de Desconexión)
For fuel and air conditioning lines, radiator and heater hoses.
• Strong, light and durable aluminum construction
• Simple push-on and pull-off action
• Thin lips slide under tight hose quickly

KDT-3530 6-Piece Fuel Line/AC Quick Disconnect Set
(6 pzs. Herramientas de Desconexión Rápida para Línea de Combustible/AC)
Contains five popular size air conditioning and fuel line quick disconnect tools for hard to reach areas. Flexible plastic design allows for easy application over tubing to access disconnects. Sizes include: 7/8” (22mm), 3/4” (19mm), 5/8” (16mm), 1/2” (13mm), 3/8” (9mm), and 7/16” (8mm).

KDT-41500 12-Piece Fuel & Transmission Line Disconnect Tool Kit
(12 pzs. Kit de Herramientas para Desacoplar Línea de Combustible y Transmisión)
Separate fittings on fuel, filter, transmission, air conditioning systems, and fuel tank return lines on most vehicles, trucks, and other heavy equipment. Features low profile anodized aluminum disconnects.
DISCONNECT TOOL SETS

LIS-34750 Low Profile Fuel Line Disconnect Set
(Set para Desconectar la Línea de Combustible de Perfil Bajo)
Disconnects the quick connect fuel lines in hard-to-reach locations. Includes handle, 3/8” adapters, and 5/16” adapters. (5 oz.)

LIS-37000 A/C-Fuel Line Disconnect Tool Set
(Herramientas de Desconexión para Línea de Combustible/AC)

LIS-37500 Fuel Module Disconnect Tool for GM
(Herramienta para Desconexión de Módulo de Combustible de GM)
Disconnects the fuel module on 98 and later GM full size pickups, Suburban and Tahoe. The 2-piece design allows access to the connectors. Slide the proper size end into the connector. Then rotate and slide the other half in place. Now the module can be disconnected. Fits both 3/8” and 5/16” connector sizes. Will also fit all other 3/8” and 5/16” applications. The tool can be clipped together for convenient storage. (1 oz.)

LIS-39400 Angled Disconnect Tool Set
(Herramientas de Ángulo para Desconexión)
Disconnects spring lock couplings on Ford and Chrysler AC lines. Works on fuel lines and other quick disconnect couplings on domestic and import vehicles. Six sizes: 5/16”, 3/8”, 1/2”, 5/8”, 3/4” and 7/8”.

LIS-39900 8-Piece Master Disconnect Set
(8 pzs. Set Maestro para Desconexión)
A complete set of disconnect tools that can be stored in a handy blow-molded case. All disconnect tools are also available individually.

LIS-39960 Ford Transmission Line Disconnect Set
(Set para Desconexión de Línea de Transmisión de Ford)
Use 3/8” size for 2003 and later Ford V8 Explorer, 2004 and later Ford F150 and Cadillac CS. Use 1/2” size for Ford Super Duty Trucks, F250, F350 and F450. Tip is specially stepped to fit connector. Simply push the line toward the connector, then engage tool and pull line from connector. Set comes skin packed with a bead chain.

OTC-6593 Ford Transmission Cooler Line Disconnect Set
(Herramientas para Desconexión de Línea de Enfriador de Transmisión de Ford)
Tool snaps around cooler line and, when pushed into the fitting, releases the fitting. The cooler line can then be removed. 3/8” disconnect is used on 2003–newer Ford Explorers with the 5R55W transmission. 1/2” disconnect is used on 2003–newer Ford Super Duty Trucks with the 4R100 transmission.

OTC-7363 Fuel Line Disconnect Tool Set
(Herramientas de Desconexión de Línea de Combustible)
Two tool line disconnect tools and two spring lock coupler tools for easily disconnecting the spring lock couplings on Ford’s popular port fuel injection system, as well as quick connect fuel lines on other Fords, GM and Chrysler with 5/16”, 3/8” and 1/2” OD. Won’t damage the fuel line or connector.

OTC-7335 Yellow (3/8”)
OTC-7336 Green (1/2”)
OTC-7370 Gray (5/16”)
OTC-7371 Blue (3/8”)
OTC-7361 2-Piece Fuel Line Disconnect (Same as Ford T90T-9550-S)
**FUEL LINE TOOLS**

**KDT-192 Fuel Filter Wrench**  
(Herramienta de Filtro de Combustible)  
For replaceable cartridge-type gas filters 2 1/4”–2 9/16” in diameter.

**KDT-3526 Fuel Cap Tool for Ford 7.3 L**  
(Herramienta de Tapa de Combustible para Ford 7.3L)  
Allows for easy removal and installation of Ford 7.3L diesel fuel caps and other diesel filter systems using the same configuration. Works with fuel caps from 1995 to present. Improves ability to remove and install caps where access is a problem.

**LIS-14600 Fuel Filter Socket for 5.9L Cummins**  
(Casquillo para Filtro de Combustible para Cummins 5.9L)  
Low-profile 29mm socket helps remove and install fuel filter housing on 5.9L Cummins engines. 3/8” drive. (.25 lb.)

**LIS-35000 GM Flex Fuel Disconnect**  
(Desconectador Flexible para Linea de Combustible de GM)  
Disconnects the fuel line from the fuel filter on 5.3L Suburban, Tahoe, Yukon, Avalanche, and select Silverados and Sierras. Insert the two semicircular disconnects into the coupling. Connect the handle and depress to separate the fuel line from the filter.

**LIS-39210 Main Fuel Line Disconnect for Toyota & Nissan**  
(Herramientas para Desconectar la Linea de Combustible para Toyota y Nissan)  
Disconnects the 5/16” main fuel line from the fuel rail on many Toyota and Nissan vehicles. Hinged design and fully tapered end allows tool to be quickly. (2 oz.)

**THX-312 Plug All Vacuum and Fuel Line Stoppers**  
(Tapones de Lineas Vacio y Combustible)  
Stepped design plugs fit all 1/8”, 3/16”, 1/4”, 5/16”, 3/8” and 1/2” hoses. Tapered caps close tubes from 1/8” to 1/2”. Use during tune-ups, vacuum tests, fuel pump repairs and more. Bead chain prevents loss.
PEDAL DEPRESSORS
• DEPRESORES DE PEDAL •

LIS-21520 Truck Pedal Depressor
(Oprímidor de Pedal de Camiones)
Depresses and Holds Clutch Pedals and Brake Pedals. The two-piece, telescoping tool extends to the pedal and locks in position. Brace the formed plate against the seat or the steering wheel for firm support. Tool extends from 18 1/2” to 34 1/2”. (2 lb. 4 oz.)

LIS-48700 Throttle Pedal Depressor
(Oprímidor de Pedal de Aceleración)
Hold Throttle at a Constant RPM. Engage the nylon hook under the steering wheel. Then extend the depressor rod to the accelerator pedal. Use the adjustment screw to fine-tune the RPM level. Tool is 40” in overall length. (1 lb. 7 oz.)

HEAT SHIELD TAPE/SLEEVE
• CAMISA CONTRA CALOR •

SRR-14000 Heat Shield Tape
(Cinta de Protector Contra Calor)
Tape wraps around tubing and withstands temperatures up to 1100°F, allowing safe installation of fuel line near heat sources.

SRR-14005 Heat Shield Sleeve
(Camisa de Protector Contra Calor)
Wrap slides over tubing and withstands temperatures up to 1100°F, allowing safe installation of fuel line near heat sources.
**SRR-KP1200 Fuel Line Replacement Kit**

(Kit para Reemplazo de la Línea de Combustible)

Everything needed to replace fuel line on most cars, trucks and SUVs is included in one kit, and saves up to 70% compared to OEM fuel lines! No special tools are required, reducing labor time. Includes universal quick connects for GM, Chrysler and Ford with convenient thumb release, plus 3/8" and 5/16" nylon line, fittings, unions, clamps, tube cutter and clamp pliers.

Replacement pieces available!

- SRR-CP01 Clamp Pliers
- SRR-K005 5/16" Nylon Tubing(25′)
- SRR-K005100 5/16" Nylon Tubing(100′)
- SRR-K00550 5/16" Nylon Tubing(50′)
- SRR-K010 3/8" Nylon Tubing(25′)
- SRR-K010100 3/8" Nylon Tubing(100′)
- SRR-K01050 3/8" Nylon Tubing(50′)
- SRR-K050 5/16 Nylon-Steel Comp Fitting
- SRR-K057 5/16 Nylon-Pushon Union(2)
- SRR-K060 3/8" Nylon-Steel Comp. Fitting
- SRR-K067 3/8" Nylon-Nylon Pushon Union
- SRR-K070 5/16" GM Line Adapter(2)
- SRR-K075 3/8" GM Line Adapter(2)
- SRR-K095 5/16" GM Female-Nylon Adapter(2)
- SRR-K100 3/8" GM Female-Nylon Adapter(1)
- SRR-K140 5/16 Nylon To Hose Connector
- SRR-K145 3/8 Nylon To Hose Connector(2)
- SRR-K150 5/16 Quick Connect-Nylon Conn.
- SRR-K155 3/8 Quick Connect-Nylon Conn.
- SRR-K2980 5/16" Seal Clamp(Bag/10)
- SRR-K2982 3/8" Seal Clamp(Bag/10)
- SRR-KP020 3/8-3/8 Straight Quick Connect
- SRR-KP030 3/8-5/16 Straight Quick Connect
- SRR-KP035 5/16-3/8 Straight Quick Connect
- SRR-KP040 5/16-5/16 Straight Quick Connect
- SRR-KP120 5/16-3/8 90° Quick Connect
- SRR-KP125 3/8-3/8 90° Quick Connect
- SRR-KP130 3/8-5/16 90° Quick Connect
- SRR-KP135 5/16-5/16 90° Quick Connect

**SRR-KP500 Foreign Fuel Line Adapter Kit**

(Adaptadores de Línea de Combustible de Vehículos Extranjeros)

Increase the versatility of the KP1200 fuel line replacement kit with adapters to fit Honda, Toyota, Nissan and many other foreign car applications. Includes line adapters and compression fittings.

**SRR-KP700 Fuel Line Accessory Kit**

(Accesorios para Línea de Combustible)

Increase the versatility of the KP1200 fuel line replacement kit and eliminate difficult fuel line routing problems. Kit includes connectors, elbows, heat shield and more.

**CHECK VALVES**

• VÁLVULA UNIDIRECCIONAL •

Used to maintain fuel line pressure when fuel pump internal check valve fails. Avoid replacing costly fuel pumps by completing typical repairs in less than 30 minutes with is no need to drop the fuel tank. Can be used with steel, nylon, or rubber fuel line.

- SRR-CKV7 3/8" Fuel Line
- SRR-CKV5 5/16" Fuel Line
**KDT-2153 Ignition File**  
(Limar para Encendido)  
Use tool to file ignition points and other small objects. The thin blade has a fine grid on both sides and is ideal for removing carbon from points.

**KDT-2776 GM Carburetor Adjusting Tool**  
(Herramienta para Ajuste el Carburador de GM)  
Easily adjusts C-4 carburetor idle mixture screws on late model GMs, including X-Body. Flexible shaft lets you reach hard-to-get-at screws. Reversible bit fits Double D and hex head screws.

**LIS-46500 Carburetor Pin Tool**  
(Herramienta para Perno de Carburador)  
For fast, sure removal and installation of carburetor linkage pins. Also for "E" clips and other small parts. Skin-packed. (2 oz.)

**LIS-55250 Carburetor Adjusting Tool**  
(Herramienta para Ajuste el Carburador)  
For adjusting idle/mixture screws on GM and Chrysler. Heavy duty 11" flexible shaft for easy access. Drive and shaft are securely crimped, won’t come loose. Four adapters conveniently store in the hollow handle.

**THX-350 GM Idle Adjusting Tools**  
(Ajustadores para la Marcha Mínima)  
Two tools in one. Flexible shaft for hard-to-reach screws. For all 1979 and up GM carburetors. Fits idle/mixture screws. One end fits ‘Double D’ adjusting screws and the other fits 4.5mm hex adjusting screws. Sliding hex handle for firm grip. Overall length 9".

**THX-362 GM Computer Controlled Carburetor Tools**  
(Herramientas de Carburador Controlado por Computadora de GM)  
For 2mm, 7mm, 10mm “Double D” and 2.5mm hex fittings. Tools fit Varajet, Dualjet and Quadrajet carburetors. Adjusts or removes TPS, idle air bleed, mixture control solenoid and main metering jets. For use with 7/16" and 1/2" deepwell sockets.
FEELER GAUGES

**VALVE TAPPET FEELER GAUGE**
- CALIBRADOR DE HOJA DE BOTADOR DE VÁLVULA -
KDT-163
LIS-68050
KD Tools
Liste

**DELUXE FEELER GAUGE**
- CALIBRADOR DE HOJA DE LUJO -
Thirty-two straight blades in sizes .0015" to .035" including .010" brass blade for transistorized ignitions.
KDT-161
LIS-68100
KD Tools
Liste

**STANDARD FEELER GAUGE**
- CALIBRADOR DE HOJA ESTÁNDAR -
KDT-162
LIS-67950
KD Tools
Liste

**MINI FEELER GAUGE**
- CALIBRADOR DE HOJA PEQUEÑO -
KDT-2062
LIS-68000
KD Tools
Liste

**NON-MAGNETIC FEELER GAUGE**
- CALIBRADOR DE HOJA SIN MAGNÉTICO -
KDT-2223
LIS-68200
KD Tools
Liste

**GO-NO-GO FEELER GAUGE**
- CALIBRADOR DE HOJA -
Prevent errors while doing ignition point setting or tappet adjusting. Gauge includes twenty-two rust-resistant blades ranging from .004" to .027" (.10mm to .69mm) with a .002" step ground on each blade for precise settings.
KDT-2424
LIS-68150
KD Tools
Liste
These tools all have six wire sizes: .025”, .034”, .035”, .040” and .054” to work on all standard ignition systems.

KDT-166  
KDT-166  
KD Tools  
KDT-166  
Lisle  
Lisle  
Lisle

Circular “coin” type ramp gauge easily measures spark plug gaps ranging from .020” to .100” or 0.6mm - 2.4mm.

KDT-3293  
KDT-3293  
KDT Tools  
KDT-3293  
Lisle  
Lisle  
Lisle

Measures sizes .040”, .044”, .045”, .050”, .060” and .080”. Metric equivalents shown.

KDT-2327  
KDT-2327  
KD Tools  
KDT-2327  
Lisle  
Lisle  
Lisle


KDT-164  
KDT-164  
KD Tools  
KDT-164  
Lisle  
Lisle  
Lisle

Includes universal spark plug gauge with pocket-clip with full range coverage for all gapping requirements from .020 to .080 and metric equivalents on reverse side. Recess specifically designed to adjust electrodes and applications include those with distributor-less ignition systems.

KDT-165  
KDT-165  
KD Tools  
KDT-165  
Lisle  
Lisle  
Lisle

Eight wire in sizes .020”, .025”, .026”, .030”, .032”, .034”, .035”, and .040” with electrode adjusting tool.
**SPARK PLUG Pliers**

**KDT-135 Spark Plug Pliers**
*(Llave de Bujía)*
Designed to remove lead terminals from spark plugs quickly and easily. Plastic coated handles for shock resistance.

**LIS-51250 Spark Plug Wire Puller**
*(Extractor para Cables de Bujía)*
Removes spark plug wire boots from plugs. Tool performs well in difficult areas such as recessed and obstructed plugs. Square shaft prevents slipping and the thick plastic handle prevents electric shock and provides greater pulling power.

**LIS-51500 Nylon Spark Plug Wire Puller**
*(Extractor para Cables de Bujía de Nylon)*
Helps pull plug wires quickly and easily without damage to wire or rubber protectors. Helps prevent shock.

**LIS-51600 Spark Plug Wire Puller**
*(Extractor para Cables de Bujía)*
Also pulls cartridge fuses. Plier jaws are made to pull spark plug boots from different angles. The double-ended tool also pulls cartridge fuses up to 1" in diameter. Made of glass-filled nylon for shock resistance and extra strength.

**LIS-51750 Adjustable Spark Plug Wire Puller**
*(Extractor Ajustable para Cables de Bujía)*
Jaws adjust to five positions. Plier jaws adjust to five different positions allowing easier access to spark plug boots. Specially shaped, cushioned jaws grip the boot straight on or from the side. Plastic handle grips help prevent shock. Skin-packed. (12 oz.)

**SLY-65350 Universal Long-Reach Spark Plug Boot Puller**
*(Extractor Universal para Bota de Bujía de Alcanzado Largo)*
Swivel action lets the technician reach down at any angle to grab the spark plug boot and pull it from the spark plug without damaging the plug wire.

**THX-334 Spark Plug Wire Puller**
*(Extractor para Cables de Bujía)*
Removes frozen spark plug boots with a twist and a pull. Eliminates separated wires. Front tabs grip under boot, jaws firmly grip boot. Stubby design ideal for working in confined areas. Fits most standard boots. All steel durable construction and comfortable vinyl grips.
SPARK PLUG TOOLS

SPARK PLUG TAPS

VER-21140 10mm x 1.00
VER-21152 14mm x 1.25
VER-21164 18mm x 1.50

SPARK PLUG TESTERS

LIS-19380 Spark Indicator
(Indicador de Chispa)
Tests spark plugs, spark plug wires and coils without puncturing the wire. With the engine running, place the grooved end of the tool over the plug wire. The bulb will flash to indicate spark. (1 oz.)

LIS-20610 In-Line Spark Tester
(Probador de Chispa en la Línea)
Gives a visual check of the ignition system. Quickly diagnose problems with all ignition systems. Connect the tool between the spark plug and the plug wire. The tool is double-ended to offer a straight boot and a 90° boot on one tool. With the engine running, the tool flashes a mirror image of ignition spark. (5 oz.)

LIS-20680 Replacement Bulb

THX-404 Adjustable Ignition Spark Tester
(Probador Ajustable de Chispa de Encendido)
Works on ignition systems from high-energy electronic automotive systems to small engines. Tests for no start conditions and for spark strength. Adjustable gap allows for spark gap requirements from 0 to 40,000 volts. Gauge background makes spark easy to see for accurate measurement. Alligator clip securely fastens to ground. Screw assembly adjusts spark gap quickly and easily. Includes safety shield. (0.10 lb.)

IN-LINE SPARK CHECKERS

SGT-36350 Master Kit
Includes inline spark checker for recessed plugs, 8 noid lights, and 2 idle air control test lights for straight and 90° applications.

SGT-23920 90° Boot
SGT-23900 Straight Boot

SGT-23970 Basic Kit
Includes in-line spark checker for recessed plugs.
**SPARK PLUG HOLE THREAD CHASER**

- **LIMPIADOR DE LA ROSCA DE LA BUJÍA**

Fits 14mm and 18mm plug holes. 13/16” hex body size. Services practically all makes and models of cars. Cleans threads of carbon corrosion and metal. Band holds chaser firmly to spark plug socket wrench.

- **KDT-730** KD Tools
- **LIS-20200** Lisle
- **KDT-730 Limited Access Spark Plug Chaser**
  (Limpiador de la Bujía de Acceso Limitado)

The narrow profile and long length allows access to spark plug holes in confined spaces. Use with a 3/8” ratchet or extension. Size: M14x1.25

**IMPORTANT:** Use anti-seize.

- **ATD-5105 Spark Plug Cleaner**
  (Limpiador de la Bujía)

Cleans plugs like new with blast action that removes carbon buildup

- **ATD-5106 Replacement Bags for Spark Plug Cleaner**
- **ATD-5107 Silica for Spark Plug Cleaner**
- **ATD-5108 Replacement Grommet**

- **SGT-18500 Spark Plug Cleaner**
  (Limpiador de la Bujía)

Cleans any size spark plug quickly and effortlessly with internally controlled abrasive blasting. Uses ordinary air line pressure (Recommended air line pressure is 70-80 PSI). Lever valve on outside of unit allows for blasting with abrasive/air mix or air only.

- **SGT-18530 Silica Free Abrasive - 1-1/2 Lb. Bag**
  (Abrasiva sin Silice)

Perfect for use in spot blasters and spark plug blasters. Excellent for removing rust, carbon and paint.

**ENGINE TILTERS**

- **MOVEDORES DEL MOTOR**

- **LIS-48260 Engine Tilter**
  (Movedor del Motor)

Tilts and holds GM FWD transverse mounted engines for repair. This tool attaches to the engine and engine mount to pull the engine forward. Makes servicing spark plugs, hoses, oxygen sensor and ignition components much easier. Holds the engine safely in place during service. (2 lb. 7 oz.)

- **THX-419X GM Engine Moving Tool**
  (Movedor del Motor de GM)

This tool allows the engine to be tilted forward. Provides easy access to spark plugs, distributor caps, ignition coils, rack and pinion steering gear, power steering hoses, etc. Prevents damage to engine components, easy to install. Safely holds engine in place.

- **LOC-868 Tapered Plug Stoppers**
  (Tapones Cónicos)

Plug empty spark plug holes with extra long handles for overhead cam engines. Helps prevent foreign debris from entering piston combustion chamber. Helps prevent costly engine tear down. Also use to plug AC and oil lines. 8 plugs included.
SPARK PLUG TOOLS

THREAD REPAIR KITS

HEC-5334-14 Sav-A-Thread Spark Plug
Thread Repair Kit
(Kit para Reparación de Roscas de la Bujía Sav-A-Thread)
Permanently repair stripped 14mm spark plug holes. Features positive mechanical locking system and piloted reamer tap. Includes 14mm tap, insertion tool, and 3 inserts.

HEC-5396-14 Ford Sav-A-Thread Kit
(Kit para Reparación de Roscas de la Bujía Sav-A-Thread para Ford)
Spark plug thread repair kit with solid inserts partially threaded for Ford 4.6 and 5.4 L engines. Kit contains piloted reamer tap, expanding tool, installation tool, extra well nut and 12 inserts.

HEC-5543-10 Thread Repair Kit
(Kit para Reparación de Roscas)
Quickly and permanently restore stripped, worn or damaged threads to their original size and condition. Includes a tap, installation tool and inserts.

KDT-3379 14MM Spark Plug Rethreader
(14MM Herramienta para Reparación de Roscas de la Bujía)
Use to clean and restore the threads on 14mm spark plug holes prior to installing the spark plug. Tool features extra-long neck for access to recessed spark plug cavities. Groove and 0-ring hold tool in socket. Use with 3/8” drive tool or 5/8” socket.

LIS-65900 Spark Plug Rethreading Kit for Ford
(Kit para Reparación de Roscas de la Bujía para Ford)
Replaces Stripped Spark Plug Threads On Ford V10, 4.6 and 5.4 Liter Engines. This precision tool accurately replaces stripped Ford spark plug threads with new thread inserts. Works on the car without removing the engine head. Set includes a drill, tap, swedge tool, insert tool, 10 steel inserts, plus a vacuum adapter to remove shavings from the chamber. The tool set installs a new spark plug thread insert in the exact original position in approximately 20 minutes. (9 lb. 6 oz.)

LIS-65960 Thread Insert
SPARK PLUG TOOLS

ATD-5402 Ford Triton Spark Plug Extractor
(Extractor de Bujía de Ford Triton)
Works to extract frozen & broken-off spark plug sleeves in ’04-present Ford Triton engines. Specially machined guide works with extra long tap & extractor to make sure the job is done right.

ATD-5403 Ford Triton Spark Plug Porcelain Extractor
(Extractor de Porcelana de Bujía de Ford Triton)
Use to extract porcelain from broken spark plugs in 2004 to current Ford Triton engines. Tool adheres to the broken porcelain using a special Loctite™ and allows the user to extract the porcelain from the sleeve.

KDT-41740 3-Piece 5/8” Magnetic Universal Spark Plug Service Set
(3 pzs. Set Magnético Universal para Mantenimiento de Bujías - 5/8”)
Long reach swivel spark plug set includes 4”, 6” and 11” lengths with magnetic cores. Packed in molded case.

LIS-65600 Broken Spark Plug Remover for Ford Triton 3 Valve Engines
(Extractor de Bujía de Ford Triton con Motor de 3 Válvulas)
Removes broken spark plugs from 2004 and newer Triton 3 valve per cylinder engines. Includes a unique porcelain pusher tool and a tapered left-hand thread remover for removing the broken spark plug without leaving the porcelain in the engine cylinder. Blow-molded storage case also included. (2 lbs.)

PTW-W30936 5-Piece Spark Plug Socket Set
(5 pzs. Set de Llave de Dados para Bujia)

SKT-4498 8-Piece 3/8” Drive SuperKrome® Spark Plug Socket Set
(8 pzs. Set de Llave de Dados SuperKrome® para Bujia de 3/8” Eje)

SUN-8844 4-Piece 3/8” Drive Universal Spark Plug Socket Set
(4 pzs. Set de Llave de Dados Universal para Bujia de 3/8” Eje)
Set includes sizes 9/16”, 5/8”, 3/4”, and 13/16”.
3/8" DRIVE SPARK PLUG SOCKETS
• DADOS PARA BUJÍA DE 3/8" EJE •
SKT-BJ16A2 5/8" x 10" long
SKT-BJ21A2 13/16" x 10" long
SKT-33302 2-Pc Impact Swivel Set (5/8" and 13/16")

3/8" DRIVE SUPERKROME® SPARK PLUG SOCKETS
• DADOS SUPERKROME® PARA BUJÍA DE 3/8" EJE •
SKT-4419 9/16" Spark Plug Socket
SKT-4420 5/8" Spark Plug Socket
SKT-4424 3/4" Spark Plug Socket
SKT-4426 13/16" Spark Plug Socket
SKT-4421 5/8" Extra Long Spark Plug Socket
SKT-4480 5/8" Flex Spark Plug Socket
SKT-4490 13/16" Flex Spark Plug Socket

1/2" DRIVE SPARK PLUG SOCKETS
• DADOS PARA BUJÍA DE 1/2" EJE •
SKT-4820 5/8" Spark Plug Socket
SKT-4826 13/16" Spark Plug Socket

OTC-6900 F-150 Spark Plug Socket
(Llave de Dados para Bujía de Ford F-150)
• Works on 2004–newer Ford F-150 pickup trucks with 5.4L 3-valve Triton V-8 engines.
• Socket end is 9/16". Soft rubber insert holds and protects spark plug during removal and installation.

SKT-4422 10" Long 3/8" Drive 5/8" Spark Plug Socket
For use on late model Toyota, small engines, specialty motors, & Hemi-style plug applications.
Flare, shape and expand tailpipes to assure a tight fit and prevent exhaust leaks. Turn handle to adjust expander to diameter of pipe. Place on end of pipe and drive with hammer. Remove and readjust. Repeat hammering until desired shape and size is reached. Wear safety goggles.

**KDT-2070** For pipes 1-7/16” to 2” in diameter.

**KDT-2071** For pipes 1-13/16” to 2-1/2” in diameter.

**LIS-13000 Exhaust Manifold Spreader**
(Extendedor de Múltiple de Escape)
This will expand warped manifolds so all bolts align accurately. Helps prevent cross-threading manifold bolts.

**LIS-32100 Exhaust “Donut” Stretcher**
(Estirador de Tubo de Escape)
Removes and installs rubber mounting ring style hangers found on many imports.

**LIS-32500 Tailpipe Expander**
(Extendedor de Tubo de Escape)
For pipes 1-5/8” to 2-7/16” in diameter. Remove clamp grooves and round-out pipes. A practical, rugged tool that makes easy work out of a tough job. Step design gives big range.

**LIS-32750** For pipes 2-3/8” to 3-1/4” in diameter.

**LIS-34400 Exhaust/Tailpipe Stretcher**
(Estirador de Tubo de Escape)
Stretches all types of exhaust pipe including stainless steel. Two collect set fits pipe from 1-5/8” to 2-7/16”.

**KDT-710 Nut Cracker**
(Rajador de Tuerca)
Splits most stubborn nuts 7/16” (ll mm) through 3/4” (19mm) across the flats. Ideal for work on shocks, mufflers and tailpipes hardened steel chisel driven by large steel screw. Tighten screw until nut splits. 4” long. Do not use on heat-treated nuts.

**KDT-715 Universal Nut Cracker Tool**
(Rajador Universal de Tuerca)
Capacity 7/16” through 3/4”. Compound angle design with 360° rotating cutter. Will work in places inaccessible to any other. Parallel action of pusher cracks nuts with no danger of damage to bolt threads. Cutter never touches the bolt. Rugged drop forged frame. Chisel, steel ball, screw, and plunger replaceable. Length 6-3/4”.

**TIP**
- When expanding pipes, always check for fit before final hammering to prevent damage.

**TIP**
- Always wear safety goggles when using tools near exhaust systems.

**TIP**
- Ensure that all bolts are aligned accurately when using spreaders to prevent cross-threading.

**TIP**
- When using expanders, make sure the pipe is clean and free of debris.

**TIP**
- For best results, use the correct tool for the job and follow manufacturer’s instructions.
**ATD-5705 Muffler/Tailpipe Remover**  
(Removedor de Silenciador/Tubo de Escape)  
Performs all three operations, cuts outside, inside pipe and cuts off old muffler in one smooth operation.

**ATD-5707 Outside Muffler Cutter**  
(Cortador para Silenciador de Exterior)  
For outside pipes or tubes.

**ATD-5708 Tail Pipe Cutter**  
(Cortador de Tubo de Escape)  
1-1/8" wide. Removes old mufflers.

**ATD-5720 Tailpipe and Tubing Cutter**  
(Cortador de Tubo de Escape y Tubos de Cobre y Acero)  
Adjustable cutter for exhaust and tailpipes and thin-wall copper and steel tubing. Features 16 cutter wheels, range 3/4" to 3" diameter and knurled handle which adjusts cutting wheel chain.

**KAS-436A Exhaust Hanger Removal Pliers**  
(Alicates para Removedor de Percha de Tubo de Escape)  
Use for removal of rubber exhaust system hangers. Features self-locating forcing pin and cushioned slip-resistant handles at a 25˚ offset for easy access in restricted areas.

**KDT-2031 Exhaust and Tailpipe Cutter**  
(Cortador de Tubo de Escape)  
Completely adjustable for pipes 3/4" to 3" in diameter. Fifteen cutters give excellent tracking. Only 90˚ of handle movement required. Gets into the tightest areas. Special lock-guard feature controls cutting depth, will not cut double-wall pipe.

**LIS-31500 Exhaust/Strut Cutoff Tool**  
(Cortador de Tubo de Escape y Puntal)  
Cuts pipe sizes 1-3/8" to 2-1/2" in diameter. Simple and quick set up. Four cutting wheels cut quick and clean, track perfectly. One hand operation, tighten by turning handle. Less than 1/3 turn cuts all the way around the pipe. Also cuts out-of-round pipes.

**LIS-31530 Set of 4 Replacement Wheels**

**LIS-32000 Pipe End Shaper**  
(Formador de Terminal de Tubos)  
Rounds out exhaust pipes that are crushed or bent in by inserting the point of the cone in pipe. Re-shapes pipes bent or flared out by placing big end over pipe.

**LIS-38350 Exhaust Removal Pliers**  
(Alicates para Removedor de Tubo de Escape)  
Works on all import and domestic car and truck exhaust systems that use the rubber hanger supports. Simply squeeze the plier handles to force the bracket from the rubber support.