

YOUR FLEET IS ON THE MOVE. SO ARE YOU.

From trucks to lifters to haulers to movers to almost any vehicle on or off the road, you keep it all working well. Proto® keeps your equipment running well by providing a full line of equipment for Power Trains, Fluid Systems, Electrical System, Chassis, and Support Systems. This includes automotive speciality items like feeler gauges, compression testers, gasket scrapers, and ignition wrenches. Not to mention pullers and extrators of all kinds. We can even keep your shop moving smooth with covers, sliders, and boxes used to keep the work clean and organized. Proto tools are engineered to meet or exceed various government, ASME, and aerospace specifications.

FLEET MAINTENANCE



Diagnostic Smoke Machine



EVAP-APPROVED SMOKE MACHINE

- › Patented UltraTraceUV™ the only OEM-approved dye.
- › Auto shut-off.
- › Auto-correct EVAP pressure.
- › Works with nitrogen or shop air to meet all OEM test requirements for all makes and models.
- › Easy, effective, versatile tool to help technicians diagnose EVAP trouble codes on domestic and import cars and light trucks.
- › Uses patented UltraTraceUV™ technology — the only OEM-approved dye available.
- › Works with nitrogen or shop air to meet all OEM test requirements.

Product #	Voltage	Width (in)	Overall Length (in)	Weight (lbs)
JFP521	12V	12-1/2	18	26.89



DIAGNOSTIC SMOKE MACHINE

- › Full featured diagnostic capabilities.
- › Compact and simple to use.
- › EVAP approved.
- › Works with shop air and uses mineral oil.

Product #	Voltage	Width (in)	Overall Length (in)	Weight (lbs)
JFP9510	12V	7	12	12.86



DIFFERENTIAL CYLINDER PRESSURE TESTER

Product #: **JFP210M**

- › Locates internal engine problems such as bad rings, valves, and leaking head gaskets.
- › Includes adapters for most applications (10 mm, 12 mm, and 18 mm).
- › Rugged blow-molded case.
- › Weight (lbs): 4.02



14 PIECE TRANSMISSION/OIL TESTER PRESSURE KIT

- › Professional kit for domestic and foreign applications.
- › High and low pressure gauges for transmission and engine work.
- › Complete with adapters for most applications and is designed for static or road testing.
- › Rugged blow-molded case.
- › Includes:
 - › M8 x 1.0 to 1/8" npt adapter
 - › M10 x 1.0 to 1/8" npt adapter
 - › M12 x 1.75 to 1/8" npt adapter
 - › 1/8" npt x 2" male adapter
 - › 1/4" npt male x 1/8" npt male
 - › 1/8" npt female
 - › 1/4" npt male/female
 - › 3/8" npt male x 1/8" female
 - › 1/8" npt male x 1/8" female
 - › 1/16-27" nptf x 1/8-27" adapter

Product #	Graduation	Weight (lbs)
JFP460M	1 pound and 5 pound increment gauges	5.23





7 PIECE COMPRESSION TESTER SET

Product #: JFP70

- › Complete compression testing on gasoline engines including domestic, foreign, motorcycle, marine, and small engines.
- › Corrosion resistant nickel plated finish adapters for flat and tapered seat plugs.
- › Professional quality gauge with zero adjust.
- › 2-1/2" gauge features chrome bezel and rugged protective outer boot.
- › Extra long 25" flex hose gauge assembly with quick coupler, allows for easy viewing out of cluttered engine compartment.
- › Dual scale gauge reads 0-300 PSI and 0-2100 kg/cm².
- › Rugged blow-molded case with removable lid.
- › Includes:
 - › 12" flex-14 mm standard reach hose
 - › 12" flex-14 mm long reach hose
 - › 10 mm, 12 mm, and 18 mm thread adapters
 - › Repair kit
- › Weight (lbs): 3.84



25 PIECE DELUXE COMPRESSION TEST KIT

Product #: JFP155

- › Complete package for compression testing on gasoline engines.
- › Complete kit includes standard and specialty adapters, including the deep well connector used on recessed plug well style heads and the Ford Triton™ engine adapter using 16 mm thread plugs.
- › Includes: 14 mm deep well extension, 12 mm adapter, 18 mm adapter, and 16 mm compression tester adapters.
- › Dual scale gauge reads 0-300 PSI and 0-2100 kg/cm².
- › Rugged blow-molded case.
- › Weight (lbs): 4.67



15 PIECE DIESEL COMPRESSION TESTER

Product #: JFP97315

- › 2-1/2" dial, glycerine-filled gauge with glass lens in stainless steel housing.
- › 4,500 PSI rated nylon jacketed pressure hose assembly.
- › Dual scale - 0-1,000 PSI; Metric scale - 0-70 bar.
- › Includes 13 piece adapter set (Deere and BMW adapters included).
- › Easy to read identification marked on case and parts.
- › Rugged blow-molded case.
- › Weight (lbs): 11.38



CAMSHAFT BEARING TOOL

- › Removes or inserts camshaft bearings in most engines from compact cars to heavy trucks.
- › No problems with slightly undersize or oversize bearings.
- › Range of 1-1/8" to 2-19/32" (28.58 mm - 68.3 mm).
- › Rugged blow-molded case.

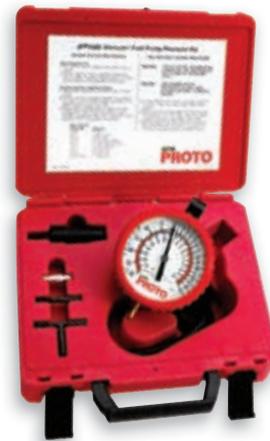


Product #	Opening Range (in)	Overall Length Weight	
		(in)	(lbs)
JFP18A	1-1/8 to 2-19/32	30-19/64	16.51

VACUUM FUEL PRESSURE SET

- › Ideal for testing vacuum lines and components - quickly diagnose internal engine problems such as bad rings, valves, and leaking head gaskets.
- › Accurately tests low-pressure fuel systems.
- › Helps pinpoint hard-to-find problems such as cracked lines, PCV, fuel pump, fuel filters, and more.
- › Professional dual scale gauge reads vacuum and pressure 0-30" Hg vac and 0-70 cm Hg, also reads 0-15 PSI and 0-100 KPA and offers zero adjust feature.
- › Gauge has a large 3-1/2" face featuring a chrome bezel.
- › Gauge is protected with a rugged outer boot.
- › Built-in rear hook allows gauge to be hung at eye level.
- › Rugged blow-molded case.

Product #	Graduation	Weight (lbs)
JFP3000	1 pound increment gauge	2.43



19 PIECE BASIC FUEL INJECTION TEST KIT

- › For testing the fuel injection systems on most domestic (except GM TBI) and Japanese cars with Schrader type ports.
- › Includes 3-1/2" gauge with a range of 0-145 PSI/0-1000 KPA.
- › All adapters, gauge heads and hose assemblies feature a quick coupling system.
- › Includes adapters to service many domestic, Japanese, and Marine applications.
- › Easy to read identification marked on case and parts.
- › Rugged blow-molded case.

Product #	Graduation	Weight (lbs)
JFP810B	1 pound and 5 pound increment gauges	3.46



51 PIECE FUEL INJECTION TEST KIT

- › For testing the fuel injection systems on most domestic and foreign cars with Schrader type ports.
- › Includes two gauges:
 - › Large 3-1/2" gauge with a range of 0-145 PSI/0-1000 KPA
 - › Medium 2-1/2" gauge with a range of 0-15 PSI/0-100 KPA
- › All adapters, gauge heads, and hose assemblies feature a quick coupling system.
- › Comes complete with rubber protectors for gauges, instructions, and adapters that will fit most domestic and foreign vehicle systems.
- › Easy to read identification marked on case and parts.
- › Rugged blow-molded case.

Product #	Graduation	Weight (lbs)
JFP1200MS	1 pound and 5 pound increment gauges	11.86



7 PIECE PNEUMATIC FAN CLUTCH WRENCH SET

Product #: **JFP100**

- › Removes and installs fan clutch when repairing the water pump or fan clutch.
- › Use with air hammer.
- › Includes seven driving wrenches that fit Ford, GM, Chrysler, and Jeep. Sizes include: 7/8", 32 mm, 36 mm, 40 mm thin, 1-7/8", 2", and 47 mm.

Overall Length (in)	Weight (lbs)
18	8.03





COMPRESSION TESTERS

- › Includes compression gauge, O-ring, and instructional pamphlet.
- › JCTR10 includes:
 - › Flexible hose and quick-disconnect coupler permit fast, easy engagement of threaded fitting into spark plug hole.
 - › Gauge has convenient side release valve and dual reading scale for both PSI and metric values (0 to 300 PSI, 0 to 20 kg/cm²).
 - › Equipped with neoprene "O" rings for positive finger-tight seal.
 - › Includes adapters for regular 18 mm spark plugs and for regular and long 14 mm spark plugs.



Product #	Overall Length		Repair Kit
	(in)	Weight (lbs)	
JCTR10	10-29/32	1.08	JCTR10RK
JCTR20	11-29/32	1.08	JCTR20RK



COMPRESSION GAUGE PARTS

Product #	Overall Length (in)	Use With	Weight (lbs)
JCTG1	3-1/2	JCT21, JCTR10	0.39
JCT21RK	7-3/16	JCT21	0.29
JCTR10-7A	7/16	JCTR10	0.01
JCTR10RK	22-5/16	JCTR10	0.80
JCTR20-4C	2-5/16	JCTR20	0.35
JCTR20RK	9-1/2	JCTR20	0.48



MASTER SERPENTINE BELT TOOL

- › Spring-loaded idler pulley releases tension on serpentine belts.
- › Use to remove and install belts on serpentine belt systems.
- › Fits idler pulleys requiring 13 mm, 14 mm, 15 mm, 16 mm, 18 mm, 19 mm, hex, and both 3/8" and 1/2" square drive sizes.
- › For applications with limited access; 13 mm and 16 mm, and 19 mm sockets are built into the handle.
- › Covers most domestic and some foreign applications.
- › Comes with extension for hard-to-reach idler pulleys.
- › Eight low profile sockets and extensions help to fit into tight places.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFP59800	2-1/2	2-13/64	24-13/32	2.36



ADJUSTABLE PIN SPANNER WRENCH

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



Product #	Opening Range (in)	Overall Length (in)	Weight (lbs)
JFP661	1-1/4 to 5	20-29/32	2.63

5 PIECE CAM CLAMP SET

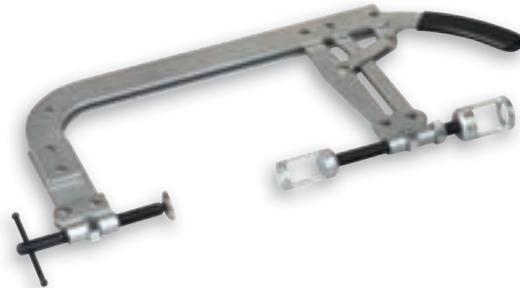
- › Master kit contains a dual Cam-Clamp and four Cam-Clamp singles.
- › Use on single, dual, or quad overhead cam engines to hold valve timing during belt replacement.
- › Kit provides coverage for all timing belt applications.
- › Single Cam-Clamps lock gears individually.
- › Miniature design is easy to use; installs in seconds.

Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFP70900	13-1/2	2-3/4	17-1/4	0.78



LARGE VALVE SPRING COMPRESSOR

- › Designed to compress valve springs on overhead valve engines.
- › Direct action compressor lever provides high visibility of valve spring retainers located in difficult access areas.
- › Includes two valve spring adapters, which fit valve spring retainers up to 1" (25 mm) and 1-3/16" (30 mm).
- › Jaw opening of 1-3/8" to 5-5/8" (35 mm to 142 mm).
- › Throat clearance of 5-7/8" (150 mm).



Product #	Jaw Opening (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFP572	5-5/8	8-19/64	1-7/16	16-51/64	5.27

17 PIECE FLARING TOOL COMBINATION KIT

Product #: JFP501

- › Includes all adapters and tools necessary for single and double flaring (standard and metric) as well as the ISO (bubble) flare.
- › Works on aluminum, copper, and soft steel.
- › Not recommended for use on stainless steel.



Overall Length (in)	Weight (lbs)
9-1/2	3.82

BUDD WHEEL DEEP LENGTH IMPACT SOCKETS

- › Stamped size for easy reference.
- › Side locking hole.



Product #	Size (in)	Drive Size (in)	Drive End Outside Diameter (in)	Nut End Outside Diameter (in)	Overall Length (in)	Weight (lbs)
J07524-LS	1-1/2	3/4	1-5/8	2-1/4	4	3.12
J09924-LS	1-1/2	#5 Spline	2-3/8	2-3/8	4-3/16	3.10
J10024LS	1-1/2	1	2-3/8	2-3/8	4	2.96





3/8" DRIVE SPARK PLUG SOCKETS - 6 POINT

- › With rubber insert.



Product #	Size (in)	Drive Size (in)	Nut End Outside Diameter (in)	Overall Length (in)	Weight (lbs)
J5020-50	5/8	3/8	3/16	2-1/2	0.21
J5026HPA	13/16	3/8	19/64	2-3/4	0.35

3/8" DRIVE UNIVERSAL SPARK PLUG SOCKETS - 6 POINT

- › With rubber insert.



Product #	Size (in)	Drive Size (in)	Drive End Outside Diameter (in)	Nut End Outside Diameter (in)	Nut Depth (in)	Overall Length (in)	Weight (lbs)
J5020-70A	5/8	3/8	23/32	27/32	5/16	3-19/64	0.26
J5026-50A	13/16	3/8	23/32	1-1/16	5/16	3-3/8	0.34

3/8" DRIVE EXTRA DEEP SPARK PLUG SOCKET

- › Rubber retainer holds spark plug in place.
- › Knurled for hand turning.



Product #	Size (in)	Size (mm)	Drive Size (in)	Point Size	Overall Length (in)	Weight (lbs)
JFED2032RD	5/8	15.9	3/8	6	4	0.71

9 PIECE SPARK PLUG SET

- › Includes three different sizes and three different configurations most commonly used when working with spark plugs.
- › 9/16", 5/8", and 13/16" spark plug sockets in standard, universal, and extra deep lengths.
- › Chromed finish for easy clean-up and long-lasting corrosion protection.
- › 3/8" square drive sockets feature a rubber insert to securely grab the spark plug.
- › Each socket is knurled for easy hand turning.
- › Rugged blow-molded case.



Product #	Drive Size (in)	Point Size	Overall Length (in)	Weight (lbs)
JFP9SET	3/8	6	12	5.50

9 PIECE SPARK PLUG SET - BLACK

- › Includes three different sizes and three different configurations most commonly used when working with spark plugs.
- › 9/16", 5/8", and 13/16" spark plug sockets in standard, universal, and extra deep lengths.
- › Universal styles for most applications.
- › 3/8" square drive sockets feature a rubber insert to securely grab the spark plug.
- › Each socket features a knurl for easy hand turning.
- › Black-oxide finish.
- › Rugged blow-molded case.



Product #	Drive Size (in)	Point Size	Overall Length (in)	Weight (lbs)
JFP9BSET	3/8	6	14	5.26

SPARK PLUG BOOT PULLERS

- › Allows for easy access to the spark plug boot.



Product #	Bend Angle	Height (in)	Overall Length (in)	Weight (lbs)
JFE600A	30°	1-19/32	15-13/32	0.89
JFE700A	40°	1-19/32	15-13/32	0.88

TAILPIPE AND EXHAUST CUT-OFF TOOL

- › 15 mm diameter cutters.
- › Cuts thick and thin walled pipe from 3/4" to 3-1/4" (19 mm to 83 mm) in diameter.
- › 1/4 turn for complete cut.
- › Cutting wheels on every pivot.



Product #	Capacity (in)	Overall Length (in)	Weight (lbs)
JFP770	3-1/4	14-1/2	1.14

STETHOSCOPE

- › Fast, accurate method for locating trouble in engines.
- › Determines if moving parts are worn, such as pistons, gears, valves, water pumps, gaskets, bearings, etc.
- › Plastic ear protectors help reduce shop noise.
- › Spring steel diaphragm for long use.
- › Shock resistant handle.



Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFP500A	2-3/32	14-29/32	0.47





13 PIECE IGNITION SET

Product #: **J3200C**



Contents	Size (in)	Overall Length (in)
J3210	13/64 x 15/64	3
J3211	15/64 x 13/64	3
J3215	7/32 x 1/4	3
J3216	1/4 x 7/32	3
J3220	9/32 x 5/16	3-1/2
J3221	5/16 x 9/32	3-1/2
J3225	11/32 x 3/8	3-3/4
J3226	3/8 x 11/32	3-3/4
J000D	Ignition Feeler Gauge Set	
J235	Ignition Pliers	
J2302	Ignition Point File	
J9853	Screw Start	
66-101	Pocket Screwdriver	
J25TR10C	Tool Roll	

- › Satin finish provides corrosion resistance and a slip-resistant grip.
- › 15° and 60° angle heads combined with the same opening size on both ends allows the wrench to be used in four different turning angles.
- › Standard open end wrench configuration.
- › Weight (lbs): 0.67



9 PIECE IGNITION SET

Product #: **J3200D**



Contents	Size (in)	Overall Length (in)
J3210	13/64 x 15/64	3
J3211	15/64 x 13/64	3
J3215	7/32 x 1/4	3
J3216	1/4 x 7/32	3
J3220	9/32 x 5/16	3-1/2
J3221	5/16 x 9/32	3-1/2
J3225	11/32 x 3/8	3-3/4
J3226	3/8 x 11/32	3-3/4
J235	Ignition Pliers	
J25TR09C	Tool Roll	

- › Satin finish provides corrosion resistance and a slip-resistant grip.
- › 15° and 60° angle heads combined with the same opening size on both ends allow the wrench to be used in four different turning angles.
- › Standard open end wrench configuration.
- › Weight (lbs): 0.47



IGNITION POINT FILE

- › Tungsten file for spark plugs, distributors, and other electrical contact points.
- › Has chisel tip and smooth extended grip.

Product #	Overall Length (in)	Weight (lbs)
J2302	5-1/4	0.01



MIDGET ANGLE NOSE PLIERS

- › Nose angled for easy access.
- › Angled teeth provide superior gripping power over standard right angled teeth.
- › Plastisol grips for added comfort.

Product #	Jaw Length (in)	Jaw Width (in)	Jaw Thickness (in)	Overall Length (in)	Weight (lbs)
J235	3/4	5/8	11/64	4-1/16	0.10



GASKET AND CARBON SCRAPERS

- › Angled blade for access into tight areas.
- › Ideal for removing gaskets and carbon.
- › Comfortable, four-sided handle.

Product #	Blade Width (in)	Overall Length (in)	Weight (lbs)
J2336	1-1/2	12	0.30
J2338	1-1/16	11	0.38



COTTER PIN PULLER

- › Precision formed curves provide excellent leverage in prying out cotter pins quickly and easily.
- › Large plastic handle.

Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
J2306	3-7/16	7-3/4	0.25



PISTON RING COMPRESSOR

- › Wide band has ratchet mechanism to prevent breakage and slippage.
- › Includes "L" handle.

Product #	Diameter Minimum (in)	Diameter Maximum (in)	Height (in)	Weight (lbs)
J2316	2-1/8	5	3-1/2	0.70



5 PIECE OIL FILTER CUP WRENCH SET

Product #: **JFFKIT5**

- › Filter cup wrenches will service 98% of the cars in the U. S. A.
- › Made of super-strong nylon fiber composite that will withstand more torque than conventional metal filter wrenches.
- › Metal insert in wrench.
- › Includes:
 - › 65/67 mm, 14 flute oil filter
 - › 74/76 mm, 15 flute oil filter
 - › 76 mm, 14 flute oil filter cup
 - › 93 mm, 15 flute oil filter cup
 - › 76/80/93 mm, 30/15/36 flute oil



Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
2-1/2	3-5/8	65	93	8-3/32	3	12	2.30

SELF-GRIPPING OIL FILTER WRENCH

- › Use for removal and installation of oil filters.
- › Filter sizes: 3-1/8" - 4-3/4" (80 mm-120 mm).
- › 3/8" drive (also includes 1/2" drive adapter).



Product #	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFF120	3-1/8	4-3/4	80	120	3-29/32	3-19/64	4-13/64	1.51





HEAVY-DUTY FILTER STRAP WRENCH

- › Heavy-duty cordura strap for high-torque application requirements.
- › For 3/8" and 1/2" ratchet or breaker bar use.
- › Fits large oil filters up to 9" (228 mm) diameter.



Product #	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFF278	4	9	100	228	3-51/64	1-1/2	6-19/32	0.58

OIL FILTER WRENCHES

- › Handle swivels to avoid obstructions.
- › Stainless steel band for added strength.

Product #	Diameter Minimum (in)	Diameter Maximum (in)	Overall Length (in)	Weight (lbs)
J3007	2-7/8	3-1/4	8	0.81
J3006	3-1/2	3-7/8	8-1/2	0.81
J3008	4-1/8	4-1/2	9-1/2	0.88



SWIVEL OIL FILTER WRENCH

- › Stainless steel band with projection welds for strength and anti-corrosion.
- › Heat-treated swivel handle adjusts to a wide arc of positions.
- › Minimum grip: 4-1/8" (104.7 mm).
- › Maximum grip: 4-7/16" (112.7 mm).
- › Over 150 foot pounds of torque.



Product #	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Height (in)	Overall Length (in)	Weight (lbs)
JFF5325A	4-1/8	4-7/16	104.7	112.7	1	10	0.65

ADJUSTABLE OIL FILTER PLIERS

- › Heavy-duty forged jaws with three contact points to grip stubborn oil filters.
- › Textured grips for non-slip operation.



Product #	Opening Range (in)	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Height (in)	Overall Length (in)	Weight (lbs)
JFF245B	2 to 4-1/4	2	4-1/4	51	107	29/32	11-29/32	1.00
JFF297	2-1/4 to 5	2-1/4	5	57	127	19/32	13-19/32	1.25
JFF287	3-3/4 to 7	3-3/4	7	94	178	1	19	3.28

SPILL-FREE FUNNEL

Product #: **JFF160**

- › Threaded cap and adapter for newer GM "threaded style" radiator openings.
- › Eliminates trapped air pockets which can cause erratic cooling system and heater performance.
- › Controls amount of coolant entering system and enables unattended filling of the cooling system.
- › Eliminates squeaky belts caused by coolant overflow and protects the environment.
- › Includes four adapters which fit most domestic and foreign vehicles and light trucks.
- › Angled neck for use with radiator caps placed at an angle.
- › Weight (lbs): 1.15



8 GALLON OIL LIFT DRAIN

- › Quick-release lock ring for fast raising and lowering of upper tube.
- › Total adjustment range of 22-1/2".
- › Large 15" funnel with strainer.
- › Heavy-duty clamp with height adjustment range of 15".
- › Specially shaped container holds up to 8 gallons.
- › Reinforced base will help prevent warping from hot oil.
- › Large handles and big pour spout for easy pouring.
- › 2-1/2" ball bearing wheels (4) swivel and roll easily.



Product #	Height (in)	Weight (lbs)
JFF11102	48-1/2	13.38

OIL PAN PLUG RETHREAD TOOL

Product #: **JFF885**

- › Removes damaged thread and taps a new oversize thread.
- › Unique tapping tool ensures the new thread will be perpendicular to the gasket surface and prevent leakage.
- › Works on soft steel and aluminum oil pans with 1/2", 12 mm, and 14 mm threads.
- › Includes:
 - › 5 Magnetic plug and gaskets
 - › Piloted drill assembly
 - › Tap
 - › Spacer
- › Weight (lbs): 1.72



4 PIECE LOCKING HOSE CLAMP PLIERS SET

- › Complete unique locking coolant system pliers set is ideal for one-person replacement of radiators, cooling lines, etc.
- › Locking waffle-nose hose clamp pliers to access/open hard-to-reach flat band hose clamps (7" and 9").
- › Locking hose pinch-off pliers to pinch and lock closed vent/radiator/vacuum/fuel hoses/lines (7" and 9").
- › Packaged in sturdy nylon roll pouch.



Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFFHC4	6-1/4	12-19/64	3.50





RIGID-FLEXIBLE HOSE CLAMP PLIERS

Product #: **JFFCP700**

- › Shaft holds position to connect to clamps.
- › Extension for hard-to-reach radiator clamps.
- › Flexible shaft helps reach difficult locations.
- › Locking arm keeps clamps locked in open position.
- › Weight (lbs): 1.35



PINCH-OFF PLIERS

- › Patented clamping mechanism provides positive clamping without springs or adjustments.
- › Tested to 50,000 cycles without failure.
- › Heat-treated steel construction.
- › Swivel mounted clamps adjust to provide parallel clamping operation.
- › Cushioned hand grips.
- › For pinching-off flexible fuel lines, brake lines, and vacuum hoses in cars, motorcycles, and engines of all kinds.



Product #	Jaw Opening (in)	Jaw Width (in)	Jaw Depth (in)	Throat Depth (in)	Throat Height (in)	Max. Jaw Capacity (in)	Overall Length (in)	Weight (lbs)
JFF554	3/4	2	1/2	1-1/2	1/2	3/4	5-1/2	0.19
JFF555	2	2	1/2	1-1/2	1/2	1-1/4	9-1/4	0.78
JFF556	2-1/2	2	1/2	2-1/2	1/2	2-1/2	13-3/4	1.25

UNIVERSAL RADIATOR ADAPTER

Product #: **JFF4500**

- › Compatible with all brands of radiator pressure testers and reservoir tank systems.
- › Offers 95% application coverage for most cars and light trucks.
- › Durable hard body adapter does not require inflation or conditioning.
- › Weight (lbs): 0.66



ETHYLENE GLYCOL ANTIFREEZE TESTER

Product #: **JFF106A**

- › Professional size 16" disc-type antifreeze tester.
- › Easy to read magnified plastic barrel.
- › Tests all ethylene glycol based antifreeze including Dex-Cool®, hot or cold.
- › The degree of coolant protection is indicated by the number of floating discs.
- › Temperature compensating with Fahrenheit and Celsius scales from +32°F to -60° F.
- › Weight (lbs): 0.46



ANTIFREEZE TESTER

Product #: **JFFCC3**

- › Compact, lightweight, and break-resistant.
- › Easy to read plastic housing.
- › Tests all ethylene glycol based antifreeze including Dex-Cool®, hot or cold.
- › Temperature compensating with Fahrenheit and Celsius scales from +32°F to -60° F.
- › Weight (lbs): 0.20



6 PIECE LARGE TRUCK COOLING SYSTEM ADAPTER SET

Product #: **JFF600**

- › Compatible with most cooling system pressure generating pumps.
- › Includes six cooling system adapters:
 - › Large trucks with "B" half turn twist on filler neck
 - › International, Freightliner, and others (52 mm x 2.5 mm)
 - › Volvo trucks (63 mm x 3 mm)
 - › Additional Volvo trucks (48 mm x 3 mm)
 - › Freightliner trucks (60 mm x 3 mm)
 - › Late model Kenworth and Peterbilt (52 mm x 2.5 mm)
- › Weight (lbs): 5.24



23 PIECE COMPLETE AUTO COOLING SYSTEM TESTER

Product #: **JFF1700**

- › For cars and light trucks.
- › Pump attaches to filler neck.
- › 17 adapters included (one is dual adapter).
- › Adapter resembles cap from system being tested.
- › Includes:
 - › Complete pressure pump assembly with knob
 - › Pressure gauge
 - › Adapters
- › Weigh (lbs): 15.36

Adapter Sizes
48 mm x 3 mm
45 mm x 3 mm
56.6 mm x 3 mm
52 mm x 3 mm
52 mm x 2.5 mm
63 mm x 3 mm
62 mm x 4 mm
52 mm x 3 mm
34 mm x 3 mm





4 PIECE COOLING SYSTEM PRESSURE TESTER

Product #: **JFF730MA**

- › Tests all systems from 4 PSI to 30 PSI caps and 3 to 30 lbs. pressure range.
- › Easy to read 2.5" gauge.
- › Large barrel with a quick pump.
- › Includes: 15" hose, head assembly, cap adapter, and instruction manual.
- › Weight (lbs): 4.83



4 PIECE QUICK DISCONNECT TOOL KIT

- › Contains one each of all four sizes of Jiffy-Tite quick disconnect tools (3/8", 1/2", 5/8" and 5/8" 30%).
- › Applications include light-duty GM cars, trucks, vans, SUVs, and medium-duty GM trucks.
- › Rugged blow-molded case.



Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFFJT4KIT	1-11/16	6-1/2	0.72

6 PIECE ANGLED DISCONNECT SET

Product #: **JFFDS400**

- › Disconnects air conditioning, quick connect fuel lines, and spring lock couplings on Ford and Chrysler A/C lines.
- › Works on fuel lines and other quick disconnect couplings on domestic and foreign vehicles.
- › Angled handles to access tight spots.
- › Made of durable plastic that resists fuels and solvents.
- › Includes sizes: 5/16", 3/8", 1/2", 5/8", 3/4", and 7/8".



Height (in)	Overall Length (in)	Weight (lbs)
1-1/2	3	0.16

19 PIECE MASTER DISCONNECT SET

Product #: **JFF5000**

- › A complete set of the most popular disconnect tools for AC, fuel, transmission, oil cooler, and air lines.
- › A step above the JFF4000 Proto® Master Disconnect Set.
- › Rugged blow-molded case.
- › Includes:
 - › 3/8" Jiffy-Tite® Disconnect
 - › 1/2" Jiffy-Tite® Disconnect
 - › Air line disconnect set
 - › Low-Profile Fuel Line Disconnect Set
 - › AC/Fuel Line Disconnect Set
 - › Fuel Line Quick Disconnect for GM
 - › Angled AC/Fuel Line Disconnect Set
 - › 5/16" x 3/8" Scissor Disconnect
 - › Coupler Disconnect
 - › Ford Transmission Line Disconnect



Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
12-13/32	3	15	3.62

21 PIECE MASTER DISCONNECT SET

Product #: **JFF4000**

- › Low profile 3/8" flex fuel disconnect tool for disconnecting hard-to-reach and difficult fuel filters.
- › Stepped disconnect tools fit transmission oil cooler lines on many Fords and other vehicles.
- › Low-profile fuel module disconnect for GM works great on Suburban, Tahoe, and full-sized truck module applications.
- › Coupler disconnect fits applications on transmissions, power steering, and radiators.
- › Includes:
 - › 6 Piece Angled Disconnect Set
 - › 6 Piece Angled AC/Fuel Line Disconnect Set
 - › Fuel Filter Disconnect for GM
 - › Hairpin Disconnect
 - › Fuel Line Quick Disconnect for GM
 - › 5/16" and 3/8" Scissor Disconnect
 - › Coupler Disconnect
 - › Ford Transmission Line Disconnect Set



Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
8-1/2	2-3/32	11-51/64	1.68

RATCHET-STYLE TUBING CUTTER

- › High-impact fiberglass handle is lightweight and durable.
- › Cuts copper, plastic, and PVC pipe from 1/8" to 3/8" (3.2 mm to 9.5 mm).
- › Easily adjusts to fit pipe.



Product #	Capacity (in)	Overall Length (in)	Weight (lbs)
JFF375	3/8	6	0.27

THERMOSTAT GASKET CLEANER

- › Cleans hard-to-reach gasket surfaces.
- › Use with a die grinder to quickly clean gasket surfaces, oil pans, water pumps, and other inaccessible applications.
- › Equipped with a floating guide shaft so user can steer the abrasive pad around the gasket surface.
- › Use on oil pans, water pumps, and other gasket areas.



Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFF2250	1-1/2	8	0.31





RATCHET PUMP

- › Converts any 3/8" air ratchet to a fluid transfer pump.
- › Fill or drain brake fluid, power steering fluid, transmission fluid, engine oil, coolant, gear oils, and more (Not approved or intended for use with gasoline or flammable fluids).
- › Quick coupling fittings allow easy hose changes and no-drip storage of pump.
- › Fast draw rates:
 - › Transmission fluid 1L (34 oz.) in 40 seconds (8 mm)
 - › 20/50 motor oil 1L (34 oz.) in 45 seconds (6 mm)
- › Includes the ratchet pump, 39" 8 mm discharge hose, 31" 6 mm suction straw, 19" 8 mm suction hose packaged in a rugged blow-molded case (Air ratchet not included).



Product #	GPM/IPM	Overall Length (in)	Weight (lbs)
JFF910	36 ounces per minute	8	2.23

HOSE CLAMP PLIERS

- › Installs and removes wire spring tension clamps.
- › Two position jaws grip full range of clamp sizes.
- › Plastisol grips for added comfort.



Product #	Overall Length (in)	Weight (lbs)
J252G	7-3/4	0.56

900 PEAK AMP ULTRA-PORTABLE JUMP STARTER

- › Built-in battery charger (accepts standard 110v extension cords) with automatic overcharge protection.
- › Built-in removable flashlight.
- › 27" #4 AWG cables with full-size clamps.
- › 9 amp-hour battery.
- › Lightweight.
- › 12v DC power socket to power accessories.



Product #	Voltage	Weight (lbs)
JFE5120	12V	10.00

6V/12V/24V FLEET CHARGER

- › UL/CUL/CSA approved for indoor/outdoor use.
- › 455 amp manufacturers boost rating.
- › 255 amp UL continuous assist rating.
- › 75-/65-/30 amp UL continuous rating.
- › Automatic 90-minute timer with hold position.
- › AC and DC circuit overload protected.
- › Patented "Stop/Go Light".
- › Heavy-duty chrome handle.
- › Fan cooled.
- › 500 amp rated clamps.



Product #	Voltage	Weight (lbs)
JFEH6006	6/12/24V	45.00

12V/24V FLEET CHARGER

- › Commercial quality jump starter designed for heavy-duty and over the road jump starting applications.
- › Built-in automatic 10 Amp battery charger.
- › 12/24 volt settings.
- › 1400 Cold cranking amps in 12 volt mode.
- › 800 Cold cranking amps in 24 volt mode.
- › 10' Jumper cable leads (1/0 welding cable).

Product #	Voltage	Weight (lbs)
JFE14289	12/24V	52.00



6 PIECE BATTERY KIT

- › Complete battery tool service kit with pouch.
- › Includes:
 - › Extra long 5/16" ratcheting terminal wrench
 - › 5/16" standard length ratcheting terminal wrench
 - › 10 mm standard length ratcheting terminal wrench
 - › Battery pliers
 - › 4-in-1 battery terminal cleaner
 - › Battery puller/lifter

Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFE6KIT	11-19/32	11-19/32	2.47



12 PIECE TERMINAL TOOL KIT

Product #: JFE96030

- › Fits most GM computer connectors and terminals.
- › Individually handled for easy access into tight places.
- › Color coded for easy identification.
- › Weight (lbs): 0.73

Red Anodized Handle	Green Anodized Handle
Tube, Spring-Loaded, 3.3 mm x 28.0 mm	Tube, 3.3 mm x 28.0 mm
Square Blade, 1.4 mm x 19.0 mm	Tube, 4.3 mm x 13.0 mm
Flat Blade, 1.5 mm x 24.75 mm	Tube, 3.75 mm x 13.0 mm
Flat Blade, 2.0 mm x 23.0 mm	Tube, 3.0 mm x 13.0 mm
Fork Blade, 8.0 mm x 24.0 mm	Flat Twin Blade, 3.0 mm
Flat Blade Screwdriver, 3/16" x 1"	Flat Twin Blade, 1.6 mm



AUTO MEMORY SAVER

- › Prevents the loss of electronic memory when disconnecting the vehicle's battery.
- › High visibility coiled cord stretches to 8 feet.
- › Easy storage in tool box.
- › OBD2 connection uses positive and ground pins only, will not interfere with fault codes.
- › Coiled cord prevents tangles.
- › In-line fuse.
- › Cigarette lighter input - 12 volt power source not included.



Product #	Voltage	Width (in)	Height (in)	Cable Length (in)	Weight (lbs)
JFE28	12V	4	1-5/16	96	0.46



11 PIECE OXYGEN SENSOR SOCKET SET

- › Master oxygen sensor and sending unit tool set.
- › Includes:
 - › 1/2" x 29 mm x 90 mm oxygen sensor socket
 - › 3/8" x 7/8" x 90 mm oxygen sensor socket
 - › 1/2" x 27 mm x 85 mm fuel injector socket
 - › 3/8" x 7/8" x 80 mm vacuum switch socket
 - › 3/8" x 1-1/16" x 74 mm oil sending unit socket
 - › 3/8" x 7/8" x 50 mm oxygen sensor socket
 - › 3/8" x 7/8" x 30 mm offset oxygen sensor wrench
 - › 3/8" x 22 mm special tube socket
 - › 2-1/8" offset oxygen sensor wrench
 - › 3/8" deep oxygen sensor socket
 - › Oxygen sensor thread chaser

Product #	Height (in)	Overall Length		Weight (lbs)
		(in)	(in)	
JFE0S11	9	15	8.10	



BATTERY POST AND TERMINAL CLEANER

- › Circular outer brush cleans contact area.
- › Cleans cable end with cap removed.

Product #	Overall Length (in)	Weight (lbs)
J2320	3-15/16	0.14



BATTERY TERMINAL SPREADER AND REAMER

- › Spreads and cleans clamps in one quick operation.
- › Plastisol grips for added comfort.

Product #	Overall Length (in)	Weight (lbs)
J319	7-1/2	0.55



LARGE BED CREEPER

- › Heavy-duty design supports a maximum load of 600 lbs. and a dynamic load capacity of 400 lbs.
- › Extra-wide 19" x 43" contoured bed with pillowstyle raised headrest provides ample shoulder, hip, and head support.
- › 1" diameter, welded and powder-coated steel tubular frame.
- › 1-1/2" ground clearance.
- › Six 3" industrial grade casters for easy movement on rough shop floors.

Product #	Capacity (lbs)	Width (in)	Overall Length (in)	Weight (lbs)
JFC600B	600	19	43	23.79



SPIDER CREEPER

- › 40" heavy-duty creeper.
- › Full-size, comfortable, and tough.
- › 400 lbs. capacity; sturdy and reliable for the most brutal shop environments.
- › 1/2" ground clearance / 2" minimum height allows user to perform services beneath very low profile vehicles.
- › Six 3" industrial grade casters for easy movement on rough shop floors.
- › 1-1/2" powder coated steel constructed frame.



Product #	Capacity (lbs)	Width (in)	Overall Length (in)	Weight (lbs)
JFC400SPI	400	18	40	26.91

HEAVY-DUTY TOOL TROLLEY

- › 500 lbs. seating capacity.
- › 18" seating height.
- › 1" chrome finished tubular steel constructed frame.
- › 3" industrial grade hard floor casters, 2 with brakes.
- › Comfortable 16" x 16" x 3-1/2" thick vinyl fabric over foam seat.
- › Contoured 12" x 6" x 2-1/2" thick vinyl over foam back.
- › 12" x 18" x 1-3/4" heavy-duty stamped steel tool tray.



Product #	Capacity (lbs)	Width (in)	Height (in)	Weight (lbs)
JFC1010	500	16	36	21.38

HEAVY-DUTY SHOP STOOL

- › 300 lbs. seating capacity.
- › 29" to 34" pneumatic gas lift seat height adjustment.
- › Comfortable 14" diameter x 3-1/2" thick vinyl fabric over foam seat.
- › Contoured 12" x 6" x 2-1/2" thick vinyl over foam back.
- › Durable steel constructed seat control with dual 1" tubular steel back bars.
- › Back depth adjustment.
- › 1" chrome finished tubular legs with 18" diameter steel foot ring.



Product #	Capacity (lbs)	Width (in)	Height (in)	Weight (lbs)
JFC1011	300	14	44	24.02

FENDER COVER - HEAVYWEIGHT

- › Expanded 115 gauge thick vinyl material.
- › Grease and acid-resistant vinyl.
- › Full length sewn in tool ridge.
- › Textured grip back.
- › Binding around outside edge for added durability.



Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFCHD1B	27	34-1/2	1.95



FENDER COVER - LIGHTWEIGHT

- › Expanded 70 gauge vinyl material.
- › Grease and acid-resistant vinyl.
- › Full length sewn in tool ridge.

Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFCR2B	27	34-1/2	0.95



2 PACK FENDER COVER

- › Plasticized vinyl-coated fender covers (2).
- › Sturdy foam construction.
- › Die-cut finished edge.

Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC100	24	36	2.79



TWIN ANGLE LIGHT

- › Ergonomically designed body style.
- › Comes with two premium 13W bulbs.
- › 25' premium cord.
- › Improved lens design allows for easy bulb changing.
- › Internal ballast.
- › Magnetic holder included.



Product #	Voltage	Lumens	Width (in)	Height (in)	Cord Length	Overall Length (in)	Weight (lbs)
JFC98468	120V	Rated up to 1660lm	4	2-1/2	25-foot	13-1/2	3.80

RECHARGEABLE LED CORDLESS SHOP LIGHT

- › Molded-in handle grip and lens edge guard.
- › Polycarbonate high-strength hook that swivels to keep light on the subject and away from your eyes.
- › 30 super bright 100,000 hour flood light style LEDs.
- › 1,000 charge cycle NiMh battery pack with 10-hour cordless use between charging.
- › Smart charge indicator LED.
- › 12V DC and 120V AC chargers included.



Product #	Voltage	Lumens	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)	Battery Type
JFC4000	12V/110V	174.3	2-1/4	3	12	1.60	NiMh internal battery

ALUMINUM LED/UV DUAL LIGHT

- › Tough aluminum housing is anodized inside and out.
- › Patterned, rugged handle for firmer grip and resists corrosion.
- › Up to 100,000 hours of service.
- › High-impact polycarbonate lens.
- › Magnetic base.
- › UL AC charger and 12V cigarette charger included.
- › 1.5W LED flashlight head rated at 130 lumens.
- › 33 bright white LED rated at 80 lumens.
- › 20 UV LED rated at 390NM.



Product #	Diameter Maximum (in)	Voltage	Lumens	Overall Length (in)	Weight (lbs)	Battery Type
JFC98266D	1-45/64	12V/110V	1.5W LED flashlight head rated at 130 lumens; 33 bright white LED rated at 80 lumens; 20 UV LED rated at 390NM	15-1/2	1.05	NiMh internal battery

CONTINUOUS SHOT AIR GREASE GUN

- › Heavy-duty cast aluminum body with comfortable cushion-grip.
- › 3-way loading: bulk, 14 oz. cartridge, and filler pump.
- › Bleeder valve for purging unwanted air.
- › 40:1 ratio.
- › Output per stroke: 2 ml.
- › Output pressure: 3,600 PSI.



Product #	Overall Length (in)	Weight (lbs)
JFCG3HD	16-3/32	4.05

HEAVY-DUTY SINGLE SHOT AIR GREASE GUN

- › Heavy-duty composite body with comfortable cushion-grip.
- › 3-way loading: bulk, 14-oz. cartridge, and filler pump.
- › Bleeder valve for purging unwanted air.
- › 40:1 ratio.
- › Output per stroke: 2 ml.
- › Output pressure: 3,600 PSI.



Product #	Overall Length (in)	Weight (lbs)
JFC53HD	16-13/32	3.22

HEAVY-DUTY PISTOL GRIP GREASE GUN

- › 3-way filling: bulk, cartridge, or filler pump.
- › 16 oz. bulk fill.
- › 14 oz. standard cartridge.
- › Heavy-duty 1.7 mm thick seamless barrel to avoid dents.
- › Aluminum head reduces weight.
- › Heavy-duty flexible 18" nylon hose and 6" metal spout for easy use.
- › Output pressure: 3,600 PSI.



Product #	Overall Length (in)	Weight (lbs)
JFC33HD	16	3.86



SUCTION GUN

- › Heavy-duty, 16 oz. capacity, 1.7 mm thick seamless barrel with textured finish.
- › 12" clear flexible tube.
- › Heavy-duty "T" handle with finger grooves for easy use.



Product #	Overall Length (in)	Weight (lbs)
JFC19HD	14-51/64	2.35

7 PIECE VACUUM/PRESSURE HAND PUMP KIT

- › One-person brake bleeding kit, accessories are included to perform multiple vacuum and pressure tests on vehicle.
- › Includes compound vacuum/pressure gauge with rubber protective boot.
- › Switch between vacuum/ pressure at the turn of a switch – produces and measures vacuum or pressure with equal performance and precision.
- › Single-hand vacuum/pressure release action allows multiple tests without disconnection.
- › Dual hand pump has ergonomically designed handle for ease of operation.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFC5000K	10-3/32	4-51/64	13-13/64	5.58

BEARING PACKER

- › Flushes out old grease and re-packs bearings with less mess.
- › Fits bearings up to 3-1/2" (outer diameter).
- › Grease stays in tool cavity and off of your hands.
- › Simplifies the process: Place the bearing on the piston; press down the cap until the old grease is forced out and the new grease shows on top.



Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFC300	4	6	1.00

9 PIECE WHEEL TORQUE MASTER KIT

- › Designed for use with a 1/2" drive impact wrench.
- › Comes with a color wall chart and custom case.



Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC1503	10-45/64	13-19/32	9.70

5 PIECE WHEEL TORQUE EXTENSION KIT

- › Designed to torque wheel nuts on foreign and domestic cars and light trucks.
- › For use with thin wall or impact lug nut sockets.
- › Includes wall chart and custom case.

Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC1463	6-45/64	10-45/64	3.59



4 PIECE AMERICAN CAR WHEEL TORQUE KIT

- › For work on American makes of cars, light trucks, and vans.
- › Includes four torque sockets.

Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC1553	10-45/64	12-19/64	4.82



6 PIECE UNIVERSAL DISC BRAKE CALIPER SET

Product #: JFC2500MA

- › Universal brake caliper tool set assists in the replacement of pads on most vehicles with 4-wheel disc brakes.
- › Tool and adapters rotate brake pistons into calipers allowing clearance for newer, thicker brake pads.
- › Five disc sizes to fit most domestic and foreign vehicles, covers most: Honda, Ford, GM, Jaguar, Mazda, Audi, Chrysler, Nissan, Toyota, VW, and Subaru 4-wheel disc brake systems.
- › Hex end threaded bolt pushes adapter into caliper; smooth operation with wrench or socket.
- › Rugged blow-molded case.
- › Weight (lbs): 4.56



9 BLADE STANDARD FEELER GAUGE SET

Product #: J000A

- › Contains 9 short 3 inch blades in steel holder.
- › Sizes: .003", .004", .005", .006", .008", .010", .012", .015", .018".
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.07



9 BLADE METRIC FEELER GAUGE SET**METRIC****Product #:** J00MM9

- › 1/2" x 3" metric blades in steel holder.
- › Sizes: 0.06 mm, 0.10 mm, 0.15 mm, 0.20 mm, 0.30 mm, 0.35 mm, 0.40 mm, 0.50 mm, 0.60 mm.
- › Weight (lbs): 0.09

**15 BLADE METRIC FEELER GAUGE SET****METRIC****Product #:** J00MM15

- › 1/2" x 3" metric blades in steel holder.
- › Sizes: 0.06 mm, 0.07 mm, 0.08 mm, 0.10 mm, 0.15 mm, 0.20 mm, 0.25 mm, 0.30 mm, 0.35 mm, 0.40 mm, 0.45 mm, 0.50 mm, 0.55 mm, 0.60 mm, 0.70 mm.
- › Weight (lbs): 0.13

**25 BLADE MASTER FEELER GAUGE SET****Product #:** J000AA

- › 1/2" x 3" blades in steel holder.
- › Sizes: .0015" thru .040" except .019".
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.19

**25 BLADE METRIC FEELER GAUGE SET****METRIC****Product #:** J00MM25

- › 1/2" x 3" metric blades in steel holder.
- › Sizes: 0.04 mm, 0.05 mm, 0.06 mm, 0.07 mm, 0.08 mm, 0.09 mm, 0.10 mm, 0.15 mm, 0.20 mm, 0.25 mm, 0.30 mm, 0.35 mm, 0.40 mm, 0.45 mm, 0.50 mm, 0.55 mm, 0.60 mm, 0.65 mm, 0.70 mm, 0.75 mm, 0.80 mm, 0.85 mm, 0.90 mm, 0.95 mm, 1.00 mm.
- › Weight (lbs): 0.22



22 BLADE STEP CUT FEELER GAUGE SET

Product #: **J000N**

- › "Go / no-go" 1/2" x 3-5/16" blades in steel holder.
- › Each blade has two different thicknesses.
- › Sizes: .004/.006", .005/.007", .006/.008", .007/.009", .008/.010", .009/.011", .010/.012", .011/.013", .012/.014", .013/.015", .014/.016", .015/.017", .016/.018", .017/.019", .018/.020", .019/.021", .020/.022", .021/.023", .022/.024", .023/.025", .024/.026", .025/.027".
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.19



11 BLADE BENT FEELER GAUGE SET

Product #: **J000M**

- › 1/2" x 4" blades with a 1" bend in steel holder.
- › Sizes: .006", .008", .010", .011", .012", .013", .014", .015", .018", .019", .020".
- › Blades etched with both decimal size and metric equivalent.
- › Blades are offset at a right angle to help protect hands from a hot manifold while setting an overhead valve.
- › Weight (lbs): 0.13



12 BLADE LONG FEELER GAUGE SET

Product #: **J000SL**

- › 1/2" x 12" blades in steel holder.
- › Sizes: .0015", .002", .003", .004", .005", .006", .008", .010", .012", .014", .015", .020".
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.30



25 BLADE LONG FEELER GAUGE SET

Product #: **J000TL**

- › 1/2" x 12" blades in steel holder.
- › Sizes: .0015", .002", .003", .004", .005", .006", .007", .008", .009", .010", .011", .012", .013", .014", .015", .016", .017", .018", .019", .020", .021", .025", .027", .030", .040".
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.72



6 BLADE NON-MAGNETIC FEELER GAUGE SET

Product #: **J000BR**

- › Contains non-magnetic brass feeler blades for checking the air gap in electronic ignition systems for all weather conditions.
- › 1/2" x 3" blades in steel holder.
- › Sizes: .006", .008", .010", .012", .014", .016".
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.08



SHORT BLADE HOLDER

Product #: **J000C**

- › Large enough to accommodate all 26 short blades.
- › Weight (lbs): 0.05



SHORT BLADE FEELER GAUGES

Product #	Blade Thickness (in)	Weight (lbs)
J0015	0.0015	0.01
J002	0.002	0.01
J003	0.003	0.01
J004	0.004	0.04
J005	0.005	0.01
J006	0.006	0.01
J007	0.007	0.01
J008	0.008	0.02
J009	0.009	0.01
J010	0.010	0.02



LONG BLADE FEELER GAUGES

Product #	Blade Thickness (in)	Weight (lbs)
J0015L	0.0015	0.01
J002L	0.002	0.01
J003L	0.003	0.03
J004L	0.004	0.01
J005L	0.005	0.01
J006L	0.006	0.02
J008L	0.008	0.02
J010L	0.010	0.02
J015L	0.015	0.03



10 BLADE IGNITION FEELER GAUGE SET

Product #: **J000D**

- › 1/4" x 1-3/4" blades in steel holder.
- › Sizes: .013", .015", .017", .018", .020", .025", .030", .032", .035", .040".
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.06



16 BLADE OVERHEAD VALVE FEELER GAUGE SET

Product #: **J000R**

- › 1/2" wide bent gauges for setting overhead valves.
- › Sizes: .009", .010", .011", .014", .015", .016", .017", .018", .019", .020", .021", .023", .024", .025", .026", .027".
- › Blades are bent at a 45° angle to help protect hands from a hot manifold while setting an overhead valve.
- › Blades etched with both decimal size and metric equivalent.
- › Weight (lbs): 0.25



HIGH ENERGY SPARK PLUG GAP GAUGE SET

Product #: **J000J**

- › For use in setting gaps and spark plugs with high energy ignition systems.
- › Includes blade holder, electrode bender and six bent wire gauges in sizes .044", .045", .050", .054", .060", .080".
- › Gauges marked with both decimal size and metric equivalent.
- › Weight (lbs): 0.08



SPARK PLUG GAP GAUGE SET

Product #: **J000K**

- › Spark plug electrode bender and eight bent wire gauges in sizes .020", .022", .025", .027", .028", .030", .035", .040".
- › Gauges marked with both decimal size and metric equivalent.
- › Weight (lbs): 0.07



FLEXIBLE RETRIEVING AND HOLDING TOOLS

- › Designed to position or retrieve small objects.
- › Spring-loaded plunger actuates jaws at end of flexible casing.

Product #	Overall Length (in)	Weight (lbs)
J2344	13-1/2	0.19
J2345	23-1/2	0.26





FLEXIBLE MAGNETIC RETRIEVING TOOLS

- › Retrieves small objects from hard-to-reach places.
- › Push button allows reaching an object before energizing the magnet.

Product #	Lift Power (lbs)	Overall Length (in)	Weight (lbs)
J2377	1.50	19-1/2	0.27
J2378	3.00	24-1/2	0.37



POCKET MAGNETIC RETRIEVING TOOLS

- › J2375 includes versatile telescoping handle and all-angle ball joint.
- › J2376A has an aluminum head that contains a neodymium magnet that can lift up to 1-1/2 lbs., all angle ball joint, and a pocket clip.

Product #	Overall Length (in)	Weight (lbs)
J2375	16-3/4 to 26-3/4	0.40
J2376A	8	0.08



J2375



J2376A

INSPECTION MIRRORS

- › Versatile all-angle ball joint.
- › Features telescoping handle (J2372 and J2373).
- › With pocket clip (J2373).



J2374



J2371



J2373

Product #	Mirror Shape	Mirror Size (L x W in)	Mirror Diameter (in)	Overall Length (in)	Weight (lbs)
J2370	Circular	-	7/8	7-1/2	0.08
J2374	Circular	-	1-1/4	8	0.09
J2371	Oval	1 x 2	-	8-3/4	0.08
J2372	Circular	-	2-1/4	10 to 14	0.25
J2373	Rectangular	2-1/8 x 3-1/2	-	11-1/4 to 15-1/2	0.30

ALL-PURPOSE BRAKE PLIERS

- › Easily installs and removes brake shoe retaining spring on drum brakes.
- › Socket end removes spring from anchor stud.
- › Notched and installs spring on anchor.

Product #	Overall Length (in)	Weight (lbs)
J217	12-7/8	1.05



FACOM® STUD EXTRACTORS EXTERNAL CAM/KNURL TYPE

- › Turn extractor with a ratchet, wrench, or socket to engage the cam and stud, then pull out stud.
- › 1/2" and 1/4" drive capacity.
- › Knurled wheel grips stud when pressure is applied.
- › Hex drive can be driven with wrench or ratcheting tool.
- › Ideal for bolts with rusted, corroded, or stripped threads.
- › Heavy-duty finish.



Product #	Drive Size (in)	Capacity (in)	Capacity (mm)	Overall Length (in)	Weight (lbs)
FA-286A	1/2	3/4	20	2-5/32	0.86
FA-286A.PL	3/4	1	27	2-15/16	2.11

FACOM® 5 PIECE STUD EXTRACTOR ROLLER SET



Product #: FA-287B.JS5

- › 5 Stud drivers for sizes M6, M7, M8, M9 and M10.
- › Supplied in a CKS rack.
- › Weight (lbs): 2.58



Contents	Description	Overall Length (in)
FA-287B.6	Stud Extractor, Internal Cam/Roller Type M6	2-3/4
FA-287B.7	Stud Extractor, Internal Cam/Roller Type M7	2-3/4
FA-287B.8	Stud Extractor, Internal Cam/Roller Type M8	2-3/4
FA-287B.9	Stud Extractor, Internal Cam/Roller Type M9	3-5/32
FA-287B.10	Stud Extractor, Internal Cam/Roller Type M10	3-5/32

FACOM® STUD EXTRACTORS INTERNAL CAM/ROLLER TYPE



- › Designed to grip studs using cam assemblies.
- › Capacity ranging from 6-16 mm.
- › 1/2" drive.
- › Full polish finish.



Product #	Drive Size (in)	Capacity (in)	Capacity (mm)	Overall Length (in)	Weight (lbs)
FA-287B.6	1/2	13/32	6	2-3/4	0.38
FA-287B.7	1/2	15/32	7	2-3/4	0.38
FA-287B.8	1/2	9/16	8	2-3/4	0.38
FA-287B.9	1/2	5/8	9	3-5/32	0.56
FA-287B.10	1/2	1/4	10	3-5/32	0.55
FA-287B.12	1/2	9/32	12	3-5/32	0.53
FA-287B.14	1/2	5/16	14	2-15/16	0.76
FA-287B.16	1/2	11/32	16	2-15/16	0.69



FACOM® 3 PIECE NUT SPLITTER



Product #: **FA-289**

- › Includes 19 mm and 30 mm Nut Splitters and Spare Screw.
- › Supplied in a plastic tray.
- › Weight (lbs): 1.19



FACOM® NUT SPLITTERS



- › Removes frozen, corroded, or rusted nuts.
- › Will not damage bolt threads.



Product #	Min. Screw Size (in)	Max. Screw Size (in)	Internal Diameter (in)	Internal Diameter (mm)	External Diameter (in)	External Diameter (mm)	Overall Length (in)	Weight (lbs)
FA-289.19	2	8	3/4	19	1-1/4	31	4-11/32	0.59
FA-289.36	16	20	1-7/16	36	2-7/16	62	8-1/16	2.50

FACOM® NUT SPLITTERS - SPARE SCREW



Product #	Overall Length (in)	Weight (lbs)
FA-289.V3	7-15/32	1.77



FACOM® MONKEY WRENCHES



- › Satin finish provides corrosion resistance and a slip-resistant grip.
- › Sturdy, wide-opening tools for heavy-duty work on farms and building sites.
- › Fixed jaw/handle and worm gear made from hardened steel.
- › Smooth jaw faces help prevent marring of fastener surfaces.



Product #	Size (in)	Jaw Depth (in)	Jaw Thickness (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-105.230	2-3/8	1-25/32	25/32	19/32	9-1/16	1.15
FA-105.280	2-3/4	1-11/32	21/32	25/32	11-1/32	1.79
FA-105.375	3-1/8	1-25/32	7/8	7/8	14-23/32	3.36



10 PIECE SCREW EXTRACTOR SET

Product #: J9500B

- › Drive into end of broken pipe or fitting.
- › Use tap holder or wrench on extractor to turn out broken part.
- › Size stamped on extractor refers to drill bit size to be used with that extractor.
- › Weight (lbs): 4.50

Contents	Description	Overall Length (in)
J9521	Screw, Extractor 1/8"	2-5/16
J9522	Screw, Extractor 3/16"	2-5/8
J9523	Screw, Extractor 7/32"	2-7/8
J9524	Screw, Extractor 5/16"	3
J9525	Screw, Extractor 3/8"	3-1/4
J9525B	Screw, Extractor 15/32"	3-7/8
J9526	Screw, Extractor 9/16"	4-1/4
J9527	Screw, Extractor 21/32"	4-7/8
J9528	Screw, Extractor 13/16"	5-3/8
J9529	Screw, Extractor 1-1/16"	5-1/2



5 PIECE SCREW EXTRACTOR SET

Product #: J9500A

- › Drive into end of broken pipe or fitting.
- › Use tap holder or wrench on extractor to turn out broken part.
- › Size stamped on extractor refers to drill bit size to be used with that extractor.
- › Weight (lbs): 0.28

Contents	Description	Overall Length (in)
J9521	Screw, Extractor 1/8"	2-5/16
J9522	Screw, Extractor 3/16"	2-5/8
J9523	Screw, Extractor 7/32"	2-7/8
J9524	Screw, Extractor 5/16"	3
J9525	Screw, Extractor 3/8"	3-1/4
J25TR49C	Tool Roll 5 Pockets	6-3/32



SCREW EXTRACTORS

- › Drive into end of broken pipe or fitting.
- › Use tap holder or wrench on extractor to turn out broken part.
- › Size stamped on extractor refers to drill bit size to be used with that extractor.



Product #	U.S.S. (in)	Drill Size (in)	Diameter Minimum (in)	Diameter Maximum (in)	Overall Length (in)	Weight (lbs)
J9521	1/4, 5/16	1/8	1/8	3/16	2-5/16	0.02
J9522	3/8	3/16	11/64	3/16	2-5/8	0.02
J9523	7/16	7/32	13/64	1/4	2-7/8	0.05
J9524	1/2, 9/16	5/16	19/64	5/16	3	0.07
J9525	5/8	3/8	11/32	3/8	3-1/4	0.12
J9525B	3/4	15/32	1/8	1/8	3-7/8	0.18
J9526	7/8	9/16	1/2	1/2	4-1/4	0.29
J9527	1, 1-1/8	21/32	19/32	5/8	4-7/8	0.47
J9528	1-1/4, 1-3/8	13/16	23/32	3/4	5-3/8	0.72
J9529	1-1/2	1-1/16	31/32	1	5-1/2	1.30



10 PIECE BOLT EXTRACTOR SOCKET SET

Product #: **J69X00**

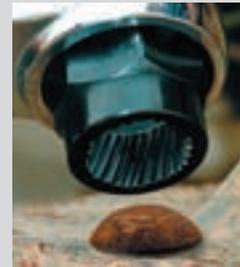
- › The working end has a helical shaped flute to help grip rounded fasteners, round head bolts, and pan head screws.
- › 3/4" Drive size.
- › Weight (lbs): 0.86

Contents	Description	Overall Length (in)
J69X09	Extractor, Socket 7 mm, 1/4", 9/32"	1-1/16
J69X10	Extractor, Socket 8 mm, 5/16"	1-1/16
J69X11	Extractor, Socket 9 mm, 11/32"	1-1/16
J69X12	Extractor, Socket 3/8"	1-1/16
J69X13	Extractor, Socket 10 mm, 13/32"	1-1/16
J69X14	Extractor, Socket 11 mm, 7/16"	1-1/16
J69X15	Extractor, Socket 12 mm, 15/32"	1-1/16
J69X16	Extractor, Socket 13 mm, 1/2"	1-1/16
J69X18	Extractor, Socket 14 mm, 9/16"	1-1/16
J69X20	Extractor, Socket 15 mm, 16 mm, 5/8"	1-1/16



FEATURES AND BENEFITS – BOLT EXTRACTORS

- › Easily remove rusted, rounded or damaged nuts and bolts.
- › 18-30 teeth in a hexagonal configuration help grip rounded hexagonal fasteners, round head bolts and pan head screws.
- › Low profile design helps gain access to fasteners in tight spaces.
- › The non-working end can be turned with wrenches or sockets.
- › Can be used in combination with other drive tools (such as extensions, universal joints or ratchets with short arc swings) to help reach fasteners in difficult locations.
- › Through-hole design helps gain access to fasteners at the end of long bolts or studs.
- › Sizes range from 1/4" - 5/8" and 7 - 16 mm. Each socket can turn multiple fastener sizes.
- › Can be used on fractional or metric fasteners.



- › Easily remove rusted, rounded or damaged nuts and bolts.



- › Through-hole design helps gain access to fasteners at the end of long bolts or studs.

3/8" DRIVE 13 PIECE HAND IMPACT DRIVER SET

Product #: **J7099A**



- › Designed to loosen hard to turn bolts and nuts.
- › Hand impact driver has heavy-duty spring for added torque.
- › Popular interchangeable bits are packaged in plastic blow-molded box for easy storage.
- › Weight (lbs): 2.36

Contents	Description	Overall Length (in)
J7099	Driver, Hand Impact 3/8" DR 5-1/2"	5-1/2
J60002	Bit, Insert #1 Phillips® 1/4" Hex	1
J60008	Bit, Insert #2 Phillips® 1/4" Hex	1
J60020	Bit, Insert #3 Phillips® 1/4" Hex	1
J60202	Bit, Insert 3/16" Slotted 1/4" Hex	1
J60208	Bit, Insert 9/32" Slotted 1/4" Hex	1
J60050	Bit, Insert #1 Phillips® 5/16" Hex	1-1/4
J60052	Bit, Insert #2 Phillips® 5/16" Hex	1-1/4
J60054	Bit, Insert #3 Phillips® 5/16" Hex	1-1/4
J60256	Bit, Insert 3/16" Slotted 5/16" Hex	1-1/2
J60262	Bit, Insert 9/32" Slotted 5/16" Hex	1-1/2
J6930	Bit, Holder Power 3/8" DR 5/16" Hex	1-5/16
J6931	Bit, Holder Power 3/8" DR 1/4" Hex	1-1/4



BATTERY CABLE AND SMALL BEARING PULLER

- › Uses toggle-type action to grip onto all standard post battery terminals.
- › Pulls small bearings and gears with 1" reach and spread.

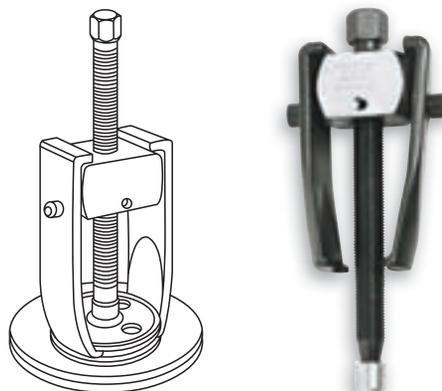
Product #	Weight (lbs)
J4041	0.65



PULLEY PULLER

- › For removing single and two-groove pulleys from alternators and power steering pumps.
- › Two position yoke permits pulling bearings on both standard and heavy-duty alternators.

Product #	Weight (lbs)
J4053	2.10





CLOSE QUARTERS PILOT BEARING PULLER

- › Designed to pull flywheel pilot bearings with inside diameters 1/2" to 1-1/2".
- › Removes bearings and bushings from starters, generators, magnetos, and small electric motors.



Product #	Weight (lbs)
J4059	2.30

10-WAY PROTO-EASE™ ADVANTAGE SLIDE HAMMER PULLER SET

Product #: J5040

- › Slide hammer puller set packaged in a convenient plastic blow-molded carrying/storage case.
- › Weight (lbs): 25.00

Description	Qty.
Hex Jam Nut (5/16"-24)	3
Hex Jam Nut (5/8"-18)	1
Hex Head Cap Screw (5/16"-24)	3
Puller Head	1
Adjusting Cone	1
Forcing Screw	1
2-Way Crossarm	1
Pulling Hook	1
Pulling Adapter-Machine	1
Pilot Bearing Puller Jaw	3
5 lbs. Slide Hammer	1
Puller Arm	1
Medium Puller Jaw	3
Long Puller Jaw	3
Self Tapping Screw	1
Adapter For Adjustable Jaw Wrench	1
Retainer	1
Shank and Tee Bar Assembly	1
Sleeve (5/8"-18)	1
Forcing Screw	1
Front Hub Remover	1
Blow-Molded Case	1



REVERSIBLE JAW SLIDE HAMMER PULLER

Product #: J5049

- › Versatile puller which will accomplish many pulling jobs involving gears, bearings, outer races, grease retainers, oil seals, etc.
- › Either two or three puller jaws may be used to handle "inside" pulling jobs such as bearing cups and outer racers, as well as regular "outside" pulling jobs.
- › The 5 lbs. slide hammer can be removed and used independently.
- › Weight (lbs): 11.00
- › Overall Length: 27".



2-Jaw Spread				3-Jaw Spread			
Inside		Outside		Inside		Outside	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1-1/4"	3-1/2"	1"	4-1/2"	1-1/2"	4-1/4"	1-1/2"	4-1/2"