## GONTENTS

ENGINE SERVICE TOOLS . . . . . . . 774-780
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789-790


## CRMSHRFT BERRING TODL

) Removes or inserts camshaft bearings in most engines from compact cars to heavy trucks.
) No problems with slightly undersized or oversized bearings.
) Range of $1-1 / 8$ " to $2-19 / 32$ " ( $28.58 \mathrm{~mm}-68.3 \mathrm{~mm}$ ).
) Rugged blow-molded case.

| Product \# | Opening <br> Range (in) | Overall <br> Length (in) | Weight (Ibs) |
| :---: | :---: | :---: | :---: |
| JFP18A | $1-1 / 8$ to 2-19/32 | $30-19 / 64$ | 16.51 |



## 51 PIECE FUEL INJECTIDN 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 PNEUMRTIC FRN CLUTCH WRENCH SET

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 , $36 \mathrm{~mm}, 40 \mathrm{~mm}$ thin, $1-7 / 8^{\prime \prime}$, 2 ", and 47 mm .

| Product \# | Overall <br> Length (in) | Weight (llbs) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JFP100 | 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 $300 \mathrm{PSI}, 0$ to $20 \mathrm{~kg} / \mathrm{cm}^{2}$ ).
, 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 (in) | Weight (lbs) | Repair Kit |
| :---: | :---: | :---: | :---: |
| JCTR10 | $10-29 / 32$ | 1.08 | JCTR1ORK |
|  |  |  |  |

## COMPRESSION CRUCE PRRTS

| Product \# | Content | Overall <br> Length (in) | Use With | Weight <br> (Ibs) |
| :---: | :---: | :---: | :---: | :---: |
| JCTG1 | Guage | $3-1 / 2$ | JCT21, JCTR10 | 0.39 |
| JCTR10-7A | O-Ring | $7 / 16$ | JCTR10 | 0.01 |
| JCTR10RK | Repair Kit | $22-5 / 16$ | JCTR10 | 0.80 |
| JCTR20RK | Repair Kit | $9-1 / 2$ | JCTR20 | 0.48 |

## MRSTER SERPENTINE BELT TODL

》 Spring-loaded idler pulley releases tension on serpentine belts.
) Use to remove and install belts on serpentine belt systems.
) Fits idler pulleys requiring $13 \mathrm{~mm}, 14 \mathrm{~mm}, 15 \mathrm{~mm}, 16 \mathrm{~mm}$, $18 \mathrm{~mm}, 19 \mathrm{~mm}$, 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 <br> (in) | Overall <br> Length (in) | Weight (lbs) |
| :---: | :---: | :---: | :---: | :---: |
| JFP59800 | $2-1 / 2$ | $2-13 / 64$ | $24-13 / 32$ | 2.36 |




BUDD WHEEL DEEP LENGTH IMPRCT SOCKETS
) Stamped size for easy reference.
, Side locking hole.

| Product \# | TNCH | Drive Size <br> (in) | Drive End Outside <br> Diameter (in) | Nut End Outside <br> Diameter (in) | Overall Length <br> (in) | Weight <br> (lhs) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| J07524-LS | $1-1 / 2$ | $3 / 4$ | $1-5 / 8$ | $2-1 / 4$ | 4 | 3.12 |
| J10024LS | $1-1 / 2$ | 1 | $2-3 / 8$ | $2-3 / 8$ | 4 | 2.96 |

## 3/8" DRIVE SPARK PLUC SOCKETS - 6 POINT

) With rubber insert.

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



## 3/8" DRIVE UNIVERSRL SPRRK PLUC SDCKETS - 6 POINT

With rubber insert.


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

## 3/8" DRIVE EKTRR DEEP SPRRK PLUG SOCKET - G POINT

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

| Product \# | INCH | Drive Size (in) | Dverall Length <br> (in) | Weight (libs) |
| :---: | :---: | :---: | :---: | :---: |
| JFED2032RD | $5 / 8$ | $3 / 8$ | 4 | 0.71 |

## PIECE SPRRK PLUG SET - 6 PDINT

) Includes three different sizes and three different configurations most commonly used when working with spark plugs.
, $9 / 16$ ", $5 / 8^{\prime \prime}$, and $13 / 16$ " spark plug sockets in standard, universal, and extra deep lengths.
) Chrome 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) | Overall <br> Length (in) | Weight (lbs) |
| :---: | :---: | :---: | :---: |
| JFP9SET | $3 / 8$ | 12 | 5.50 |



9 PIECE SPRRK PLUC SET - BLRCK - 5 PDINT
) Includes three different sizes and three different configurations most commonly used when working with spark plugs.
, $9 / 16$ ", $5 / 8^{\prime \prime}$, 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) | Overall <br> Length (in) | Weight (lbs) |
| :---: | :---: | :---: | :---: |
| JFP9BSET | $3 / 8$ | 14 | 5.26 |



## TRILPIPE ש EXHRUST CUT-DFF TODL

, 15 mm diameter cutters.
, Cuts thick and thin walled pipe from $3 / 4$ " to $3-1 / 4^{\prime \prime}(19 \mathrm{~mm}$ 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 |
|  |  |  |  |

## 5TETHOSCOPE

) 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 | INCH | Overall Length (in) |
| :--- | :--- | :--- |
| J3210 | $13 / 64 \times 15 / 64$ | 3 |
| J3211 | $15 / 64 \times 13 / 64$ | 3 |
| J3215 | $7 / 32 \times 1 / 4$ | 3 |
| J3216 | $1 / 4 \times 7 / 32$ | 3 |
| J3220 | $9 / 32 \times 5 / 16$ | $3-1 / 2$ |
| J3221 | $5 / 16 \times 9 / 32$ | $3-1 / 2$ |
| J3225 | $11 / 32 \times 3 / 8$ | $3-3 / 4$ |
| J3226 | $3 / 8 \times 11 / 32$ | $3-3 / 4$ |
| JOOOD | Ignition Feeler Gauge Set | 4 |
| J235 | Ignition Pliers | $5-1 / 4$ |
| J2302 | Ignition Point File | $5-1 / 4$ |
| J9853 | Screw Start | $5-5 / 8$ |
| 66-101-A | Pocket Screwdriver | $4-3 / 8$ |
| J25TR10C | Tool Roll | 12 |
| Weight (lbs): 0.67 |  |  |

## 9 PIECE ICNITION SET

Product \#: J32000

| Contents | IWCH | Overall Length (in) |
| :--- | :--- | :--- |
| $J 3210$ | $13 / 64 \times 15 / 64$ | 3 |
| $J 3211$ | $15 / 64 \times 13 / 64$ | 3 |
| $J 3215$ | $7 / 32 \times 1 / 4$ | 3 |
| $J 3216$ | $1 / 4 \times 7 / 32$ | 3 |
| $J 3220$ | $9 / 32 \times 5 / 16$ | $3-1 / 2$ |
| J3221 | $5 / 16 \times 9 / 32$ | $3-1 / 2$ |
| J3225 | $11 / 32 \times 3 / 8$ | $3-3 / 4$ |
| J3226 | $3 / 8 \times 11 / 32$ | $3-3 / 4$ |
| J235 | Ignition Pliers | $5-1 / 4$ |
| J25TR09C | Tool Roll | $9-3 / 32$ |
| Weight (lbs): 0.47 |  |  |

) Satin finish provides corrosion resistance and a slip-resistant grip.
) $15^{\circ}$ and $60^{\circ}$ 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.

) Satin finish provides corrosion resistance and a slip-resistant grip.
) $15^{\circ}$ and $60^{\circ}$ 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.


## 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 (llbs) |
| :---: | :---: | :---: |
| J2302 | $5-1 / 4$ | 0.01 |

## MIDGET RNGLE 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 <br> Length (in) | Jaw <br> Width (in) | Jawn <br> Thickness <br> (in) | Overall <br> Length (in) | Weight (lbs) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| J235 | $3 / 4$ | $5 / 8$ | $11 / 64$ | $4-1 / 16$ | 0.10 |



## GRSKET ש CRRBON 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 |
|  |  |  |  |

## CロTTER PIN PULLER

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

| Product \# | Blade Length <br> (in) | Overall Length <br> (in) | Weight <br> (lbs) |
| :---: | :---: | :---: | :---: |
| J 2306 | $3-7 / 16$ | $7-3 / 4$ | 0.25 |



## 5 PIECE IL 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:
, $65 / 67 \mathrm{~mm}, 14$ flute oil filter
, $74 / 76 \mathrm{~mm}, 15$ flute oil filter
, $76 \mathrm{~mm}, 14$ flute oil filter cup
, $93 \mathrm{~mm}, 15$ flute oil filter cup
, 76/80/93 mm, 30/15/36 flute oil


| Diameter <br> Minimum (in) | Diameter <br> Maximum (in) | Diameter <br> Minimum (mm) | Diameter <br> 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-CRIPPING OIL FILTER WRENCH

) Use for removal and installation of oil filters.
) Filter sizes: $3-1 / 8^{\prime \prime}-4-3 / 4$ " ( $80 \mathrm{~mm}-120 \mathrm{~mm}$ ).
) $3 / 8$ " drive (also includes $1 / 2$ " drive adapter).


| Product \# | Diameter <br> Minimum (in) | Diameter <br> Maximum (in) | Diameter <br> Minimum (mm) | Diameter <br> Maximum (mm) | Width (in) | Height (in) | Dverall Length <br> (in) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JFF120 | $3-1 / 8$ | $4-3 / 4$ | 80 | 120 | $3-29 / 32$ | $3-19 / 64$ | $4-13 / 64$ |

## HERVY-DUTY FILTER STRAP WRENCH

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


| Product \# | Diameter <br> Minimum (in) | Diameter <br> Maximum (in) | Diameter <br> Minimum (mm) | Diameter <br> Maximum (mm) | Width (in) | Height (in) | Overall <br> Length (in) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JFF278 | 4 | 9 | 100 | 228 | $3-51 / 64$ | $1-1 / 2$ | $6-19 / 32$ |

## FLEET MAINTENFNCE

## OIL FILTER WRENCHES

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

| Product \# | Diameter <br> Minimum (in) | Diameter <br> Maximum (in) | Overall <br> Length (in) | Weight (lbs) |
| :---: | :---: | :---: | :---: | :---: |
| J 3007 | $2-7 / 8$ | $3-1 / 4$ | 8 | 0.81 |
| J 3006 | $3-1 / 2$ | $3-7 / 8$ | $8-1 / 2$ | 0.81 |
| J 3008 | $4-1 / 8$ | $4-1 / 2$ | $9-1 / 2$ | 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 <br> Minimum (in) | Diameter <br> Maximum (in) | Diameter <br> Minimum (mm) | Diameter <br> Maximum (mm) | Height (in) | Overall Length (in) | Weight (lhs) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JFF5325A | $4-1 / 8$ | $4-7 / 16$ | 104.7 | 112.7 | 1 | 10 |  |

## RDJUSTRELE 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 <br> (in) | Diameter <br> Minimum (in) | Diameter <br> Maximum (in) | Diameter <br> Minimum (mm) | Diameter <br> Maximum (mm) | Height (in) | Overall Length <br> (in) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JFF297 | $2-1 / 4$ to 5 | $2-1 / 4$ | 5 | 57 | 127 | $19 / 32$ | $13-19 / 32$ |
| JFF287 | $3-3 / 4$ to 7 | $3-3 / 4$ | 7 | 94 | 178 | 1 | 19 |

## 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.
1 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 GRLLON 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) |  |  |
| :---: | :---: | :---: | :---: | :---: |
| JFF11102 | $48-1 / 2$ | Weight (lbs) |  |  |
|  |  |  |  | 13.38 |



## 4 PIECE LOCKING HOSE CLRMP 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.


## HOSE CLRMP 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 (llbs) |  |
| :---: | :---: | :---: | :---: |
| J252G | $7-3 / 4$ | 0.56 |  |
|  |  |  |  |



## PINCH-DFF 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 <br> Depth (in) | Throat <br> Depth (in) | Throat <br> Height (in) | Max. Jaw <br> Capacity (in) | Overall <br> Length (in) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JFF554 | $3 / 4$ | 2 | $1 / 2$ | $1-1 / 2$ | $1 / 2$ | $3 / 4$ | $5-1 / 2$ |
| JFF555 | 2 | 2 | $1 / 2$ | $1-1 / 2$ | $1 / 2$ | $1-1 / 4$ | $9-1 / 4$ |
| JFF556 | $2-1 / 2$ | 2 | $1 / 2$ | $2-1 / 2$ | $1 / 2$ | $2-1 / 2$ | $13-3 / 4$ |

## RNTIFREEZE TESTER

Product \#: JFFCC3
) Compact, lightweight, and break-resistant.
) Easy to read plastic housing.
) Tests all ethylene glycol based antifreeze including Dex-Cool ${ }^{\circledR}$, hot or cold.
, Temperature compensating with Fahrenheit and Celsius scales from $+32^{\circ} \mathrm{F}$ to $-60^{\circ} \mathrm{F}$.
) Weight (lbs): 0.20


## 6 PIECE LRRGE TRUCK CDOLING SYSTEM RDRPTER SET

## Product \#: JFFG00

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


## 23 PIECE COMPLETE RUTロ 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 Sires |
| :--- |
| $48 \mathrm{~mm} \times 3 \mathrm{~mm}$ |
| $45 \mathrm{~mm} \times 3 \mathrm{~mm}$ |
| $56.6 \mathrm{~mm} \times 3 \mathrm{~mm}$ |
| $52 \mathrm{~mm} \times 3 \mathrm{~mm}$ |
| $52 \mathrm{~mm} \times 2.5 \mathrm{~mm}$ |
| $63 \mathrm{~mm} \times 3 \mathrm{~mm}$ |
| $62 \mathrm{~mm} \times 4 \mathrm{~mm}$ |
| $52 \mathrm{~mm} \times 3 \mathrm{~mm}$ |
| $34 \mathrm{~mm} \times 3 \mathrm{~mm}$ |



## 4 PIECE QUICK DISCONNECT TOOL KIT

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


## PIECE RNGLED 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 |  |

## 21 PIECE MRSTER 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 <br> (in) | Weight (Ibs) |
| :---: | :---: | :---: | :---: |
| $8-1 / 2$ | $2-3 / 32$ | $11-51 / 64$ | 1.68 |

## 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 $1 \mathrm{~L}(34 \mathrm{oz}$.$) in 40$ seconds ( 8 mm )
, 20/50 motor oil $1 \mathrm{~L}(34 \mathrm{oz}$.$) in 45$ 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 <br> (in) | Weight (llss) |
| :---: | :---: | :---: | :---: |
| JFF910 | 36 ounces per <br> minute | 8 | 2.23 |



Built-in battery charger laccepts standard 110 V 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 (llbs) |
| :---: | :---: | :---: |
| JFE5120 | 12 V | 10.00 |



## 6V/12V/24V FLEET CHRRCER

, UL/CUL/CSA approved for indoor/outdoor use.
, 455 amp manufacturers boost rating.
, 255 amp UL continuous assist rating.
, $75-/ 65-/ 30 \mathrm{amp} \mathrm{UL}$ continuous rating.
) Automatic 90 -minute timer with hold position.
) $A C$ and $D C$ circuit overload protected.
) Patented "Stop/Go Light".
) Heavy-duty chrome handle.
) Fan cooled.
) 500 amp rated clamps.

| Product \# | Voltage | Weight (llbs) |  |
| :---: | :---: | :---: | :---: |
| JFEH6006 | $6 / 12 / 24 \mathrm{~V}$ | 45.00 |  |
|  |  |  |  |



## 12V/24V FLEET CHRRGER

, 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 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| JFE14289 | $12 / 24 \mathrm{~V}$ | Weight (lbs) |  |  |  |  |  |
|  |  |  |  |  |  |  |  |



## 6 PIECE BRTTERY 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 <br> Length (in) | Weight (lbs) |
| :---: | :---: | :---: | :---: |
| JFEGKIT | $11-19 / 32$ | $11-19 / 32$ | 2.47 |

## 12 PIECE TERMINRL TODL KIT

Product \#: JFE96030
) Fits most GM computer connectors and terminals.
) Individually handled for easy access into tight places.
, Color coded for easy identification.

| Red Anodized Handle | Green Anodized Handle |
| :---: | :---: |
| Tube, Spring-Loaded, $3.3 \mathrm{~mm} \times 28.0 \mathrm{~mm}$ | Tube, $3.3 \mathrm{~mm} \times 28.0 \mathrm{~mm}$ |
| Square Blade, $1.4 \mathrm{~mm} \times 19.0 \mathrm{~mm}$ | Tube, $4.3 \mathrm{~mm} \times 13.0 \mathrm{~mm}$ |
| Flat Blade, $1.5 \mathrm{~mm} \times 24.75 \mathrm{~mm}$ | Tube, $3.75 \mathrm{~mm} \times 13.0 \mathrm{~mm}$ |
| Flat Blade, $2.0 \mathrm{~mm} \times 23.0 \mathrm{~mm}$ | Tube, $3.0 \mathrm{~mm} \times 13.0 \mathrm{~mm}$ |
| Fork Blade, $8.0 \mathrm{~mm} \times 24.0 \mathrm{~mm}$ | Flat Twin Blade, 3.0 mm |
| Flat Blade Screwdriver, $3 / 16 \times$ 1" $^{\prime \prime}$ | Flat Twin Blade, 1.6 mm |

Weight (lbs): 0.73

## BRTTERY PロST ש TERMINRL CLERNER

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


BRTTERY TERMINRL SPRERDER © RERMER
, Spreads and cleans clamps in one quick operation.
, Plastisol grips for added comfort.

| Product \# | Overall Length (in) | Weight (llbs) |
| :---: | :---: | :---: |
| J 319 | $7-1 / 2$ | 0.55 |




## 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（Ibs） | Width（in） | Overall <br> Length（in） | Weight（lbs） |
| :---: | :---: | :---: | :---: | :---: |
| JFC400SPI | 400 | 18 | 40 | 26.91 |

## HERVY－DUTY TODL TRロLLEY

》 300 lbs seating capacity．
） 18 ＂seating height．
） 1 ＂chrome finished tubular steel constructed frame．
） $3^{\prime \prime}$ industrial grade hard floor casters， 2 with brakes
）Comfortable 16 ＂$\times 16$＂$\times 3-1 / 2$＂thick vinyl fabric over foam seat．
Contoured 12＂x 6＂x 2－1／2＂thick vinyl over foam back．
） 12 ＂$\times 18^{\prime \prime} \times 1-3 / 4$＂heavy－duty stamped steel tool tray

| Product \＃ | Capacity（lbs） | Width（in） | Height（in） | Weight（lbs） |
| :---: | :---: | :---: | :---: | :---: |
| JFC1010 | 300 | 16 | 36 | 21.38 |

## HERVY－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 1 ＂chrome finished tubular legs with 18 ＂diameter steel foot ring．

| Product \＃ | Capacity <br> （llbs） | Width（in） | Height（in） | Weight（lbs） |
| :---: | :---: | :---: | :---: | :---: |
| JFC1011 | 300 | 14 | 44 | 24.02 |



## FENDER COVER - HERVYWEIGHT

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

| Product \# | Width (in) | Overall Length <br> (in) | Weight (llbs) |  |
| :---: | :---: | :---: | :---: | :---: |
| JFCHD1B | 27 | $34-1 / 2$ | 1.95 |  |
|  |  |  |  |  |

## FENDER COVER - LICHTWEICHT

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

| Product \# | Width (in) | Overall Length <br> (in) | Weight (lbs) |  |
| :---: | :---: | :---: | :---: | :---: |
| JFCR2B | 27 | $34-1 / 2$ | 0.95 |  |
|  |  |  |  |  |

## BERRING PRCKER

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 |

## 1/Z" ロRIVE 9 PIECE WHEEL TORQUE MRSTER KIT

## Product \#: JFC1503

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

|  |  | Impact Socket Size |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Code | Ft/Lbs | Color | WCH | CWIM |
| A | 100 | Brown | $13 / 16^{\prime \prime}$ | - |
| B | 80 | Orange | - | 21 mm |
| C | 100 | Grey | $3 / 4^{\prime \prime}$ | 19 mm |
| D | 60 | Black | - | 21 mm |
| E | 80 | Blue | $3 / 4^{\prime \prime}$ | 19 mm |
| F | 65 | Yellow | $3 / 4^{\prime \prime}$ | 19 mm |
| G | 80 | Red | - | 17 mm |
| H | 55 | Green | - | 17 mm |
| I | 120 | White | $7 / 8^{\prime \prime}$ | - |

[^0]

## 1／Z＂ロRIVE 5 PIECE WHEEL TロRQUE EXTENSIロN KIT

## Product \＃：JFC1463

）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．

| Code | Ft／Lhs | Color |
| :--- | :--- | :--- |
| C | 100 | Grey |
| E | 80 | Blue |
| F | 65 | Yellow |
| I | 120 | White |
| Q | 140 | Aqua |

Weight（lbs）： 3.59


## 1／Z＂ロRIVE 4 PIECE RMERICRN CRR WHEEL TORQUE KIT

Product \＃：JFC1553
）For work on American makes of cars，light trucks，and vans．
）Includes four torque sockets．


## 5 PIECE UNIVERSRL DISC BRRKE CRLIPER 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



[^0]:    Weight (lbs): 9.70

