

Diesel Service Sets / Diesel Fuel Service **Diesel**



KRW200A



CUMDS12V



CUMDS24V

Cummins B and C Series Tools Required for Cummins B and C Series Service Kits

		Applications				Set Contents	
		12 Valve	24 Valve			CUMDS12V	CUMDS24V
		pre 1994	1994 to 1998.5	1999 to 2002	2003	12 Valve	24 Valve
FB300A	Bent Blade Feeler Gauge	•	•	•	•	•	•
MT33C	Compression Gauge	•	•	•	•	•	•
MB5B	Bronze Injector Brush	•	•	•	•	•	•
MB6BT	Stainless Steel Injector Brush	•	•	•	•	•	•
YA9565A	Engine Turn Over Tool	•	•	•	•	•	•
CJ140-1	Injector Slide Hammer Puller	•	•	•	•	•	•
CJ141	12mm Injector Adaptor	•	•	•	•	•	•
CJ142	14mm Injector Adaptor	•	•	•	•	•	•
FRHM17	17mm 6-Point Crowfoot	•	•	•	•	•	•
FRXM17	17mm 6-Point Flare Nut Socket	•	•	•	•	•	•
M3584	Compression Adaptor	•	•	•	•	•	•
SP144	Injection Pump Wrench	•	•	•	•	•	•
SP145	Idle Wrench (10mm)	•	•	•	•	•	•
TSM24	24mm 6-Point Deep Socket	•	•	•	•	•	•
YA8331	Timing Indicator Gauge	•	•	•	•	•	•
FRHM19	19mm 6-Point Crowfoot	•	•	•	•	•	•
FRXM19	19mm 6-Point Flare Nut Socket	•	•	•	•	•	•
EEP313A	Compression Adaptor	•	•	•	•	•	•
CJ143	Adaptor	•	•	•	•	•	•
CJ144	Adaptor	•	•	•	•	•	•
SP504	Gear Puller	•	•	•	•	•	•
CJ148	Fuel Line Plug	•	•	•	•	•	•
CJ149	Adaptor	•	•	•	•	•	•
KRW200A	Storage Case	•	•	•	•	•	•
Optional Tools							
MTTACH1	Digital Tachometer to measure engine RPM	•	•	•	•		
TWM14A	14mm 1/2" dr Shallow Socket use with V22A to adjust valves	•	•	•	•		
SP346	Fan Wrench (36mm)	•	•	•	•		

CUMDS12V Cummins B and C Series 12-Valve Diesel Set. Services Cummins B and C Series 12-valve engines from pre-1994. Additional applications include Dodge Ram 250 and 350 pick-ups, Ford pick-ups with 3.9L, 5.9L and 8.3L diesel engines, J.I. Case tractors and off-road equipment. 15 tools in storage case.

CUMDS24V Cummins B and C Series 24-Valve Diesel Set. Services Cummins B and C Series 12 and 24-valve engines 1994 and later. Additional uses include Dodge heavy duty pick-ups and all applications with ISB and ISC diesel engines. 14 tools in storage case.

Diesel Timing Gauge Set

SP500 Diesel Timing Gauge Set. The SP500 Diesel Gauge Set will update existing 2017DSP Diesel Service Sets to handle 1994 to 1998 Cummins "B" engines used in Dodge Ram 250/350 pick-up trucks and some Fords. Updated 2017DSP Set will also service J.I. Case tractors and off road equipment.



SP500

SP5001 Dial Indicator. Features rack and pinion construction. Refer to the pump manufacturer's service manual when using this gauge. Gauge diameter is 2 1/4 inches. Range is 30mm. Gauge is marked in .01mm increments.



SP5002



SP503



SP504

SP503 Spline Socket. Used to remove and replace the delivery valve on most Bosch fuel injection pumps. Wrench size is 34-tooth. 1/2" drive size.

SP504 Gear Puller. Used to remove the injection pump gear. Bolt thread is M8 x 1.25. Bolt length is 44mm.

SP5002 Gauge Holder. Used in fuel injection pump in place of the #1 delivery valve to locate the base circle of the injection pump cam. Male thread is M22 x 1.5.



WARNING • Read additional safety precautions on pages 534 to 537.



Diesel Detroit Service Tools



Injector Height Gauges

Use height gauges to set injectors during installation and at set service intervals. Knurled handle screws into gauge at 90° angle for work in close quarters.

Stock No.	Size	Series	Engine	Year
SP78	78.2mm	60	DDECI	1986-1993
		60 and 50	DDECII	1986-1993
SP80	78.8mm	60 and 50	DDECIII	1994-1997
SP79	80.3mm	60	DDECIII	Late 1997
		60 and 50	DDECIV	1997-1998
SP81	81.0mm	60 and 50	DDECIV	1998-1999
		-	Marine	2000-2003
SP82	82.1mm	60	See service manual	

SP7882 Diesel Injector Height Gauge Set. Five-in-one gauge set covers all applications for Detroit Diesel 50 and 60 series engines. Includes SP78, SP79, SP80, SP81 and SP82 Injector Gauges plus handle in vinyl storage pouch.



Governor Gap Wrenches

M3530 Governor Gap Adjusting Wrench. 3/8" open ends, 4" long. Special thin design with 30° and 60° angle heads.

M3531 Governor Gap Lock Nut Wrench. Similar to M3530 but has 7/16" open ends and is 4 1/4" long.



Engine Bearing/Spanner/Fuel Line Nut Sockets

SIMDM120A Engine Bearing Cap Bolt Socket. Easily remove/replace engine bearing cap bolts on Detroit 60 diesel engines with Jake Brake® engine retarders. 12-point Flank Drive® Wrenching System provides superior turning power. Cold formed and heat-treated from a special alloy steel for maximum strength and durability. Industrial black finish helps prevent corrosion. 12 pt., 12mm, 1/2" square drive impact socket.

M3525A Spanner Socket. 1/2" drive, 3 7/32" long. Includes 1 1/8" internal hex for use on "Fuel Squeezer" series of engines.

M3503B Fuel Line Nut Socket. 1/2" wrench opening. 6-point, 3/8" drive. Shaped for access to fuel line nuts. 3 1/4" long. Additional applications on the Head Temperature Sensor found on Buell Motorcycles.



Injector Brush

BDD1 Injector Brush. Stainless steel wire brush is for cleaning carbon buildup in the injector cup.



Feeler Gauges

FB325A U.S./Metric Feeler Gauge Set. For adjusting governor gap. Includes (25) 1/2" x 3" blades in sizes .0015" plus .002" through .025" in .001" increments.

FB308D Step Feeler Gauge Set and Holder. For adjusting valves. Includes 12 step blades in sizes .0018"/.010" through .028"/.030".

FB328A Step Feeler Gauge Set and Holder. For adjusting valves. Includes two step blades: .011"/.013" and .013"/.015".



Push Rod Wrenches

M3517B Push Rod Lock Nut Wrench. 1/2" open end, 102° offset handle.

M3518 Push Rod Adjusting Wrench. 5/16" open end, 102° offset handle.



Metric Hex Wrenches

AWM4D Metric L-Shape Hex Wrench. For adjusting governor gap. 4mm hex.

AWM5D Metric L-Shape Hex Wrench. For adjusting governor gap. 5mm hex.



Fan Clutch Wrench

FCT706 Fan Clutch Wrench. Fan clutch wrench for heavy duty truck engines. Hole pattern on tool aligns with fasteners on fan hub. Use with open end wrench to remove fan clutch. 24 1/2" length for maximum leverage. Applications include International (VT365, T444E, DT466, DT350 and HT530), Ford Power Stroke (7.6L and 6.0L), Detroit Diesel (Series 40) and John Deere.



Belt Tensioning Tool

YA9340 Serpentine Belt Wrench. Use to release any serpentine belt tensioner with 1/2" square drive opening. Ratcheting action allows for better positioning of the tool, which gives more swing angle than a solid type serpentine belt wrench. The reversible ratchet head is only 1" thick so it will fit between the tensioner face and the fan blades on a Series 60 Detroit Diesel and some Caterpillar engines. This tool is also great for working on buses and delivery vans where the doghouse or engine shrouding can get in the way and make the work area very tight. Compact overall length keeps handle from coming in contact with radiator hoses, charged air cooler pipes, hydraulic lines or frame rails. Vinyl grip for comfort. 13" overall length.

Ford/Navistar Service Tools Diesel



SP60

Fan Wrench

SP60 Fan Wrench. 1 7/8" (48mm) wrench services the cooling fan hub retaining nut. Has a 1/2" drive hole for torquing of the fan nut. 15 3/4" long.

Pulley Puller

SP448 Pulley Puller. For removing the air pump pulley. Fits over pulley flange.



SP448



M3545B

Compression Adaptors

M3545B Glow Plug Compression Adaptor. For GM 4.3L and 5.7L plus Navistar 6.9L and 7.3L diesel engines. Replacement valve core is M3545A4. Must be used in conjunction with MT33C Compression Gauge and M3569 or M3570 Quick Couplers.

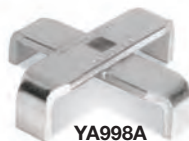
M3545A4 Replacement Valve Core. Replaces valve core on M3545B.



S6196KR

Ford ICP Sensor Socket

S6196KR Ford ICP Sensor Socket. Easily remove and install the ICP Sensor on 2002 and 2003 Ford 6.0L diesel truck engines. Spring retention securely holds sensor during use. Flank Drive® Wrenching System provides greater torque for less effort. Chrome finish for quick cleanup and corrosion resistance. 6-point configuration. Wrench Size: 1 1/16". Drive Size: 3/8". Outer Diameter: 1.43" (36.2mm). Length: 2.55" (64.8mm).



YA998A



FFW4

Fuel Filter Wrench

YA998A Ford Fuel Filter Wrench. Service 1994 and later Ford 7.3L diesel engines with old style caps (1994 to 1998) and newer style caps (1998 and later). 3/8" square drive. Overall dimensions of 3 5/8" x 7/8" x 1". Chrome finish.

FFW4 Ford Fuel Filter Wrench. Easily remove and install Ford Power Stroke diesel fuel caps and other diesel filter systems using the same configuration such as International and Navistar engines. Allows access to both fuel filter housing lids in the V of the Ford Power Stroke diesel engine. Designed to spread the force of removal over six contact points, preventing breakage. Patent Pending.

Diesel Pulse Adaptor

MT257B Diesel Pulse Adaptor. Test injector timing or engine RPM on diesel engines equipped with 1/4" or 6mm external steel fuel injector lines. Enables use with inductive pick-up timing light to test engine timing. The MT257B is not for use on diesels with common rail fuel systems.



MT257B

Quick Couplers

M3569 Quick Coupler. 45° offset.

M3570 Quick Coupler. 90° offset.



M3569

M3570



MB5B



MB73

Injector Brushes

MB5B Injector Brush. Bronze, non-abrasive brush cleans carbon from injector tips.

MB73 Injector Brush. Combination 5/16" and 13/16" diameter stainless steel wire brush to clean the injector bore and injector tip hole in the cylinder head.

Automotive Diesel Service Tools

Sensor and Filter Sockets



S3624

S3624 Filter Flip Socket. One tool will remove/install all three filter caps on Ford 6.0L Power Stroke diesel powered vehicles such as Super Duty Series Pickups, Econoline Vans and Excursions. Use for removal and installation of the Oil Filter cap plus Primary and Secondary Fuel filter caps on these vehicles. Not for impact use. Requires optional 3/8" drive extension (FX1 or FXWP1 1-1/2" long). See additional applications on page 440.

Mercedes-Benz: diesel engines

S3624 Specifications

Square Drive Size: 3/8"

Wrench Sizes: 24 and 35/36mm

Wrenching Configuration: Flank Drive®

OD Major: 1.80" (45.7mm)

OD Minor: 1.38" (34.9mm)

Length: 1.73" (43.9mm)

Finish: Nickel-Chrome

A129 Diesel Fuel Filter Socket. Use for removing and installing fuel filter housings found on 2002 and later Dodge Ram trucks with the 24-valve Cummins diesel engine. 1 1/8" wrench size. 3/8" drive.



A129



SWR3

SWR3 Water Sensor Socket. Easily remove/replace the water sensor without damage when changing the fuel filter on 2001 to present GM 6.6L DuraMax diesel engines. The water sensor is attached to the fuel filter and can be damaged during fuel filter replacement. This damage is due to the use of water pump pliers and the lack of a special tool. GM 6.6L DuraMax diesel engine applications include 2001 to present Chevy/GMC pickups and Chevy/GMC medium duty trucks. Manufactured from high strength, chemical resistant glass filled nylon. 3/8" square drive. NOTE: Due to possible sensor distortion from previous incorrect removal/installation methods, the sensor may slip in the SWR3 during removal. The SWR3 can be used to reinstall the sensor, when proper hand tightening is used.

OFSKIT Oil/Fuel Filter Socket Set.

Includes A127 and A106 Oil Filter Sockets, S3624 Filter Flip socket and A129 Cummins Diesel Fuel Filter socket (4 pcs) in storage tray. Applications for A127, A106 and S3624 are listed on page 440. Applications for A129 are listed on page 367.



OFSKIT



WARNING

• Read additional safety precautions on pages 534 to 537.



Diesel Automotive Diesel Service Tools



YA8331

Timing Indicator Gauge

YA8331 Timing Indicator Gauge. For VW and Audi. Use to set Bosch diesel fuel injection pump timing. Gives a dial indicator reading to allow accurate pump timing setting. Dial indicator reads in graduations of .01mm. Also use on 1981 to 1986 Volvo 2.4L V6 and 1989-1994 Dodge 5.9L V6.



S6105A

Glow Plug Tool

S6105A Glow Plug Socket. For GM 4.3L, 5.7L, 6.2L and 6.5L diesel engines. 3/8", 12-point socket holds the glow plug while servicing. Special deep clearance to hold glow plugs and Lumy probe. 2 1/8" long.



YA6180

Fan Clutch Wrench

YA6180 Fan Clutch Wrench. Use on GM and Ford diesel and gas engines with a 48mm fan clutch nut. Provides the extra leverage needed to remove the fan clutch nut. Overall length of 20.12" (511.2mm). Head width of 4.12" (104.8mm). Head thickness of 0.38" (9.5mm).



S6128



S6104B

Metric Injector Sockets

S6128 Metric Injector Socket. For Bosch type injectors on GM 6.2L 6.5L diesel engines. 30mm, 6-point. 2 1/16". 2 1/16" bolt clearance. 7/16" opening depth, 2 11/16" long. 7/8" external hex on drive end.

S6104B Metric Injector Socket. For VW and Mercedes-Benz diesel engines. 27mm, 12-point. Clearance bored to fit over fuel injector. 1/2" drive. 3 1/4" long.

Cummins Service Tools



M1321

M1328A

M1329



M1322

Valve Adjusting Wrenches

M1322 Valve Adjusting Wrench. 3/4", 12-point box wrench to tighten lock nuts on rocker arms. Designed to clear the aftercooler. 14 3/4" long.

M1319 Valve Adjusting Wrench. 7/8", 12-point box wrench to tighten lock nuts on rocker arms. Designed to clear the aftercooler. 12" long.

Air Compressor / Fuel Pump Wrenches

M1328A Air Compressor/Fuel Pump Wrench. Includes 5/8", 12-point box wrench on one end for servicing fuel pumps and a specially designed 11/16" open end for access to air compressor bolts.

M1321 Air Compressor/Fuel Pump Wrench. Similar to M1328A but has a 12-point box wrench on both ends. One is 5/8"; the other is 11/16". Accommodates air compressor and fuel pump flange bolts on NH Series In-line 6 cylinder engines.

M1329 Fuel Pump Wrench. Includes 7/16", 12-point box end for servicing fuel pump bolts on NH Series Engines equipped with Cummins air compressors. 6 5/8" long.



CJ125A

CJ140-1

CJ144

Injector Pullers

CJ125A Injector Puller. Slide hammer puller services "D," "Top Stop," and small V8 injectors. 10 1/2" long.

CJ140 Diesel Injector Puller Set. Use on fuel injectors in Cummins "B" and "C" Series 3.9L, 5.9L and 8.3L engines used in Dodge pick-ups and Case tractors/off-road equipment. Will service all 1994 to 1998-1/2 standard injectors as well as fuel inlet tubes.

CJ140-1 Slide Hammer (8mm). Use to pull injectors from heads on 1998-1/2 to 2002 Dodge/Cummins. 8mm thread. Use CJ144 Puller to put the fuel inlet tube prior to removing the injector.

CJ141 Diesel Injector Puller Adaptor (12mm). Use on Cummins diesel injectors prior to 1994.

CJ142 Diesel Injector Puller Adaptor. Use on Cummins diesel injectors from 1994 to 1998-1/2. M14 X 1.5 threads.

CJ143 Diesel Injector Puller (8mm). Use on 1998-1/2 Cummins diesel injectors in tight access areas.

CJ144 Diesel Injector Puller (15mm). Use on 1998-1/2 to 2002 Cummins diesel fuel inlet tubes.



SP346

Fan Wrench

SP346 Fan Wrench. 36mm open end wrench services fan clutch attaching bolts on B Series Cummins Engines. Can also be used on fan clutch bolts on Navistar 6.9L and 7.3L engines. Wrench is 15" long and has a blue, vinyl covered handle.



SP144

SP145

Injector Pump / Idle Lock Nut Wrench

SP144 Injection Pump Wrench. 13mm, 12-point box wrench is used to service the injection pump mounting bolts found on 5.9L Cummins engines.

SP145 Idle Lock Nut Wrench. 10mm, 12-point wrench with 90° angle is designed to remove or install mounting bolts on the diesel injection pump. For Cummins B Series 5.9L Engines.



YA9565A

Engine Turning Tool

YA9565A Engine Turning Tool. Used to rotate the engine for making valve and injection pump adjustments on Cummins and J.I. Case 3.9L, 5.9L and 8.3L "B" and "C" Series engines. 3/8" female square drive.

Cummins Service Tools Diesel



CG80HYA

Wet Sleeve Pullers

CG80HYA Hydraulic Wet Sleeve Puller. Provides hydraulic pressure for removing wet sleeves on Cummins diesels, trucks, and heavy construction and farm equipment with a cylinder diameter of 3" to 6". Reach is 7" to 12". Adjustable bridge fits around studs in block. Includes a 6 ton hydraulic power pack.

CG80A Wet Sleeve Puller. Manual version of CG80HYA.

CG80-11 Insert (1/4"). 1/4" insert for CG80A/CG80HYA Wet Sleeve Pullers.

CG80-22 Insert (5/16"). 5/16" insert for CG80A/CG80HYA Wet Sleeve Pullers.



PPM516A



SIML200



FTXEL45E

Engine Sockets

PPM516A Drain Plug Socket. 1/2" square male end with 1/2" drive. Extra strength to remove drain plugs. 1 7/16" long.

SIML200 6-Point Extra Deep Impact Socket. 5/8" single hex for the stud used for the rocker box on engines equipped with Jacobs engine brake. 1/2" drive, 5" long.

FTXEL45E Extra Long TORX® Socket Driver. Quickly and easily access intake bolts on Cummins N14 diesel engines without removing the air pump. Can also be used on older Cummins NH Big Cam 4 diesel engines. 3/8" square drive.



GA3707

Timing Gauge Injectors

GA3711 Injector Timing Gauge Set. Range is 0" to 1" in .001" increments. Time injectors on Cummins NH, NT, L-10, and V-model engines in or out of the chassis. Set includes two dial indicators, mounting hardware, instructions and CM6543350 storage case.

GA3707 Injector Adjustment Gauge Set. Indicator Range is 0" - 1" in .0005" increments. Adjust injector travel on NH, NT, L-10 and V model engines except those with Top Stop Injectors. Do not use this tool for engines with Top Stop Injectors. Obtain accurate plunger travel and uniform fuel delivery for top performance and maximum fuel economy. Comes in fitted storage case (CM6546950). Always refer to the appropriate shop manual and follow the recommended procedures when using this tool. The directions included with this tool are not meant to take the place of the appropriate shop manual.



M3540A



M3584



M3585

Compression Adaptors

These compression adaptors are for use with the MT33C Compression Gauge on page E26.

M3540A Compression Adaptor. For Cummins 855 cu. in. NH and 903 V8 and L10 diesel engines.

M3584 Compression Adaptor. For Case/Cummins Series "B" 2.9L, 3.9L, and 5.9L diesel engines.

M3585 Compression Adaptor. For Case/Cummins Series "C" 8.3L engines.



CJ83C



M1324

Pulley Installers and Pullers

CJ83C Pulley and Gear Puller. Ideal for servicing crankshaft pulleys and gears and timing gears on a wide range of gasoline and diesel engines including Cummins accessory drives and water pumps. Includes two each 3/8"-16 x 3", 5/16"-18 x 2 1/2", and M10-1.5 x 65mm bolts. Nominal capacity is 3.5 tons. Use to remove accessory drive pulley (replace with M1324). Includes yoke; two each 3/8"-16 x 3", 5/16"-18 x 2 1/2", and M10-1.5 x 65mm studs; and 3/4"-16 x 5" pressure screw.

M1324 Pulley Installer. For installing the accessory drive pulley on the shaft. Includes 7/8"-14 NC threaded adaptor, washer-type bearing, and installer housing.



M1326B

Idle Adjusting Tool

M1326B Idle Adjusting Tool. For idle speed adjustments on the fuel pump. 1/8" NPT threads, 4 3/4" long.



ST669

Torque Adapter Set

ST669 Torque Adaptor Set. Use to loosen and adjust lock nuts to manufacturing specifications.

ST669-1 Handle Assembly. Handle assembly.

M1302B18 12-point Deep Socket. 9/16" deep, 12-point socket.

M1302B24 12-point Deep Socket. 3/4" deep, 12-point socket.

M1302A5 Screwdriver. 1/2" x .062 screwdriver.

TM82 Flat Tip Socket Driver. 1/4" x .036 flat tip driver.



MB5B



MB6BT



BNH1

Injector Brushes

MB5B Injector Brush. Bronze, non-abrasive brush cleans carbon from injector tips.

MB6BT Injector Brush. Stainless steel wire brush cleans the injector cavity in the cylinder head. For Cummins B Series Engines and J.I. Case equipment. 9" long.

BNH1 Injector Brush. For Cummins NH Series Engines.



YA6615



CJ148



CJ149

Fuel Line Tools

CJ148 Fuel Line Plug. For plugging fuel lines.

CJ149 Fuel Tube Remover. For fuel inlet tubes on later model vehicles.

YA6615 Flare Nut Wrench. Use on Dodge trucks with 5.9L engines (2003 and later) and 6.7L engines (2007 and later). Easily slides into the confined area of the cylinder head. Wrench is required to hold the 24mm flare nut while the 19mm fuel line coupler is loosened. Helps prevent costly damage to the fuel lines.



WARNING

• Read additional safety precautions on pages 534 to 537.



Motorcycle Tools and Equipment

Motorcycle Service Tools



Special Application

HD6529 Ratcheting Hex Wrench. Ratcheting Hex Wrench (1/4" hex dr., 3/16" hex bit) for Harley-Davidson® Evolution motor rocker box cover bolts. Reversible ratchet lever conveniently located for one hand operation. 3/16" hex bit is easily replaced if damaged. Low profile design for extra clearance between frame and engine. Comfortable rubber grip will not scratch chrome. 9 3/4" (228.6mm) overall length for additional reach.

HXD22 Motorcycle Wheel Socket. Essential for removing motorcycle front wheels. Use torque wrench for axle torque specs. Use breaker bar to remove difficult fasteners. Applications: 2002 Kawasaki (ZX7R, ZRX1200, ZX12R, ZX6 models); 2002 Honda (CBR954RR model); 2002 Triumph (955i RS model).

HXD24 Motorcycle Wheel Socket. Essential for removing motorcycle front wheels. Use torque wrench for axle torque specs. Use breaker bar to remove difficult fasteners. Applications: Suzuki (1300GSXR, 1000GSXR); Hayabusa (various models).

TSP813 Motorcycle Tire Spreader. Permits one person installation of tubed tires on motorcycles, ATVs, small farm equipment and industrial equipment. Easily access valve stem hole when installing difficult 90° valve stems on tubed tires. Hard screwdriver style handle for comfort and control. All metal, heavy duty construction. Industrial black finish helps resist corrosion. Overall length is 23" (584mm).

KAC1224TCA Motorcycle Gas Tank Cover. Fits Harley-Davidson® Dyna®, Softail and Touring models. Also fits various models of Yamaha, Victory, Triumph and Kawasaki plus many more. Protects the finish while you perform routine maintenance. Keeps dust and dirt off the gas tank. Non-marring cover uses a non-abrasive inner liner that won't slide off. Use on the tank any time, on or off the motorcycle.

CYCLESET Motorcycle Tool Set. This 33 pc. kit services most American manufactured motorcycles. From battery service, cable and clutch adjustments, to gas tank and seat removal, this set covers roadside maintenance and emergency repairs. Set is conveniently organized and stored in a gas tank shape bag measuring 10" long, 5 1/2" wide, and 2 1/4" high and is small enough to fit almost anywhere. Optional CT2 Circuit Tester and KERA100C Multi-Tool enhance set capabilities even further. Please visit www.snapon.com for the full list of set components and applications.

S9724RHS Low Profile Spark Plug Socket. Low Profile socket easily reaches 5/8" (16mm) spark plugs on muscle cars, ATVs, motorcycles and boats without interference from custom exhausts or chassis. Applications include Harley-Davidson® motorcycles with large gas tanks (1986 and later Sportster® and 1999 and later twin cam models) plus small block Chevy, Ford, Mopar and other engines with 5/8" (16mm) spark plugs and racing exhaust headers. Spark plug extends through the socket for access in tight quarters. Patented tapered hex design retains spark plug securely without rubber insert or magnet. Spark plug is easily disengaged from socket by applying side pressure. Use ratcheting box wrench on 5/8" external hex drive. Length is 1 1/16".

S9704RHS Low Profile Spark Plug Socket. Low profile socket easily reaches 13/16" spark plugs on muscle cars, ATVs, motorcycles, RV's and boats without interference from custom exhausts or chassis. Applications include small or big block Chevy, Ford, Mopar and other engines with 13/16" spark plugs and racing exhaust headers. Spark plug extends through the socket for access in tight quarters. Patented tapered hex design retains spark plug securely without rubber insert or magnet. Spark plug is easily disengaged from socket by applying side pressure. Use with open end or ratcheting box wrench on 13/16" external hex drive. Length is 1 1/4".

SAM12LE Long Hex Socket Driver. Essential for removal or installation of bolt found on the lower forks of 2006 and newer Harley-Davidson® Dyna® series. Used when servicing the internal parts of the fork. 12mm

Stock No.	Drive Size, inches	External Hex, (mm)	Outer Dia., inches (mm)	Hex Depth, inches (mm)	Length, inches (mm)
HXD22	1/2	22	0.94 (23.8)	0.70 (17.8)	1.50 (38.1)
HXD24	1/2	24	1.03 (26.2)	0.70 (17.8)	1.50 (38.1)

General Service Tools

Stock No.	Description	See Catalog Page
CPT110A	Motorcycle Wheel Socket	458
A15A	Drag Link Socket	152
GF22	Drag Link Socket	129
YA243A	Dial Type Pressure Gauge	466
YA173A	Clip On Style Angled Air Chuck	470
VT1A	Valve Stem Insert	470
GA599	Tread Depth Gauge	470
SGSR104	Seal Remover Set	327
GA555MA	Motorcycle Timing Gauge	333
MT125A	Self Powered Timing Light	407
TA358	Torque Angle Gauge- 3/8" Drive	299
AWHD8K	Hex/Torx® Folding Wrench Set	195

Motorcycle Service Equipment

Stock No.	Description	See Catalog Page
MTPV1000	Motorcycle/AVT Peak Voltage Meter	397
EEPV303B	Motorcycle Compression Gauge Set	409
EEPV305A	Motorcycle Compression Gauge Adaptor	409
EEWB308A	Motorcycle Wheel Balancer	477
EEWH310A	Motorcycle Tire Changer	479-480
EELR319A	Motorcycle Lift	514

Flaring / Cutters / Bending **Tubing**



TF528D



TF5A



TF275A

Flaring Tool Sets

TF528D Tube Cutting and Double Flaring Set. Contains TC28C Tubing Cutter and a double flaring set with a flaring bar, rod handle, yoke, and 5 adaptors: 3/16", 1/4", 5/16", 3/8", and 1/2". Storage case included.

TF5A Double Flaring Tool Set. Makes double or single flares on soft steel, brass, or aluminum tubing from 3/16" to 1/2" OD. Makes a smooth fitting, crack free 45° flare. Set includes five adaptors, yoke assembly, bar assembly, and handle. Storage case included.

TFM5A Metric Double Flaring Tool Set. Same design as TF5A except it is for tubing with an OD from 4.75 to 10mm. Set includes yoke, bar assembly, handle, and five adaptors: 4.75, 5, 6, 8, and 10mm.

TF275A Flaring and Swaging Set. 45° Flare or swage soft copper, brass, or aluminum tubing. Die blocks handle 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", and 3/4" OD tubing. Swages 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", and 3/4" OD tubing. TF275PB Storage Case included.

TFM428 Metric Bubble Flaring Set. For automotive brake systems. Designed for crack free bubble flares on soft wall tubing up to a wall thickness of .028". Adaptors included for 4.75, 6, 8, and 10mm flares. TFM428PB Storage Case included.



TFM428



TF700

Universal Hydraulic Flaring Tool Set

TF700 Universal Hydraulic Flaring Tool Set. Universal hydraulic flaring tool set accommodates the majority of today's automotive tube flaring needs like push connect, GM fuel line, 45° double flare and metric ISO bubble flare. Set includes:

- Patented Hand Held Hydraulic Press
- Push Connection die sets/flaring adaptors (1/4", 5/16" and 3/8")
- 45° Single/Double Flare die sets/flaring adaptors (3/16", 1/4", 5/16", 3/8" and 1/2")
- GM Fuel Line die sets/flaring adaptors (5/16" and 3/8")
- Metric ISO Bubble Flare die sets/flaring adaptors (4.75, 6, 8 and 10mm)
- Custom Storage Case

TF600-1 Manual Ram. Manual ram for TF600A Set.

TF600-2 Flaring Adaptor. 5/16" flaring adaptor for push connect flares.

TF600-3 Flaring Die Set. 5/16" flaring die set for push connect flares.

TF600-4 Flaring Adaptor. 3/8" flaring adaptor for push connect flares.

TF600-5 Flaring Die Set. 3/8" flaring die set for push connect flares.

TF600-6 Flaring Adaptor. 1/4" flaring adaptor for push connect flares.

TF600-7 Flaring Die Set. 1/4" flaring die set for push connect flares

TF600A-8 Cone. Cone for 45° single/double flares.

TF600A-9 Flaring Adaptor. 3/16" flaring adaptor for 45° single/double flares.

TF600A-10 Flaring Die Set. 3/16" flaring die set for 45° single/double flares.

TF600A-11 Flaring Adaptor. 1/4" flaring adaptor for 45° single/double flares.

TF600A-12 Flaring Die Set. 1/4" flaring die set for 45° single/double flares.

TF600A-13 Flaring Adaptor. 5/16" flaring adaptor for 45° single/double flares.

TF600A-14 Flaring Die Set. 5/16" flaring die set for 45° single/double flares.

TF600A-15 Flaring Adaptor. 3/8" flaring adaptor for 45° single/double flares.

TF600A-16 Flaring Die Set. 3/8" flaring die set for 45° single/double flares.

TF600A-17 Flaring Adaptor. 1/2" flaring adaptor for 45° single/double flares.

TF600A-18 Flaring Die Set. 1/2" flaring die set for 45° single/double flares.

TF7001 GM Fuel Adaptor. 5/16" GM Fuel Line Adaptor.

TF70010 ISO Bubble Adaptor. 10mm ISO Bubble Adaptor.

TF7001010 ISO Bubble Die Set. 10mm ISO Bubble Die Set.

TF7002 GM Fuel Die Set. 5/16" GM Fuel Line Die Set.

TF7003 GM Fuel Adaptor. 3/8" GM Fuel Line Adaptor.

TF7004 GM Fuel Die Set. 3/8" GM Fuel Line Die Set.

TF7005 ISO Bubble Adaptor. 4.75mm ISO Bubble Adaptor.

TF70055 ISO Bubble Die Set. 4.75mm ISO Bubble Die Set.

TF7006 ISO Bubble Adaptor. 6mm ISO Bubble Adaptor.

TF70066 ISO Bubble Die Set. 6mm ISO Bubble Die Set.

TF7008 ISO Bubble Adaptor. 8mm ISO Bubble Adaptor.

TF70088 ISO Bubble Die Set. 8mm ISO Bubble Die Set.



TC28C

TC123C

TC15

TC25

TC123CR

Cutters

TC28C Tubing Cutter. Cuts soft metal tubing ranging from 1/8" to 1" in diameter. OD capacity is 1/8" to 1 1/8". Micrometer type adjustment. Retractable locking reamer blade. Cutter wheel is easily replaceable.

TC28A1 Cutting Wheel. Extra cutter wheel for TC28C.

TC123C Tubing Cutter. Handles tubing from 1/8" to 5/8" OD. Can be used where clearance around tubing is less than 1 3/8". 1 1/2" long when closed and 2" long when open; feed knob is 7/8" in diameter.

TC123CR Ratcheting Tube Cutter. TC123C Cutter and TC123CRH Handle combined into one unit.

TC123CRH Ratcheting Tube Cutter Handle. Handle for TC123C Tube Cutter.

TC123C1 Cutting Wheel. Extra cutter wheel for TC123C.

TC15 Ratcheting Cutter. Use when you don't have swing room. Ratchet action allows cutting all the way around the tubing by simply pumping the handle. Handles 1/8" to 3/8" OD copper, plastic, and PVC tubing—ideal for fuel, vacuum, and air conditioning applications. 3 3/4" long.

TC25 Ratcheting Cutter. This is a larger version of the TC15 and handles 5/16" to 1 1/8" OD tubing, including stainless steel. Use in such applications as van, marine, plumbing, refrigeration, and industrial tubing. 7" long.



WARNING

- Do not use with air impact wrench.
- Read additional safety precautions on pages 534 to 537.



Tubing Flaring / Cutters / Bending



TBS100



TBS200A



TBS300



GA244

Bending Tools

TBS100 Tubing Bender. Bends tubing up to 1/4" OD. Bends copper, brass, Bundy weld, non-coated brake lines, and more. Comfort grip handle. Length is 7".

TBS200A Multi-purpose Tubing Bender. Makes left, right, or offset bends up to a 90° angle. Degrees shown for accurate bending angle. Handles 3/16", 1/4", 5/16", and 3/8" (4, 6, and 8mm) OD aluminum, copper, and stainless steel tubing. Aluminum unit is 8 1/4" long when opened.

TBS300 Tubing Bender. Easily bend 1/4", 5/16" and 3/8" OD soft copper or aluminum tubing up to 180°. Degrees, in 15° increments, noted on tool for accurate bends. Pull lever to easily disengage tool after bending. Cushioned handles provide comfort and control, even with greasy hands. Offset handles provide hand clearance when making 180° bends. Lightweight, die cast aluminum construction. Overall length is 10 1/2" (266.7mm).

GA244 Tubing Bender. Allows smooth bend without denting tubing. Makes bends to 180° and 13/16". Handles 3/16", 1/4", and 5/16" OD steel and copper tubing. Reversible forming pad. Polypropylene posts minimize friction.

Exhaust Expanders / Cutters / Specialty Tools



TC55



PH300



CG5560HY



TC90A



VGP18210

Expanders

TC55 Tailpipe Expander. For removing crimps caused by U-bolt clamps. Hex nut inside unit is turned to expand sides and push out crimps. 1 1/2" to 2 1/2" diameter range.

TC56 Tailpipe Expander. For removing crimps caused by U-bolt clamps. Hex nut inside unit is turned to expand sides and push out crimps. 2 1/2" to 3 1/4" diameter range.

PH300 Tailpipe/Exhaust Stretcher. Stretches all types of exhaust pipe, including stainless steel, from 1 5/8" to 2 7/16". Designed for use with an impact wrench.

CG5560HY Hydraulic Tailpipe/Exhaust Stretcher Conversion Kit. Converts PH300 Tailpipe/Exhaust Stretcher to the convenience and power of hydraulic operation. Includes the CG122 10 Ton Hydraulic Ram and Pump Set (pg 335) and hydraulic cone adaptor.

CG5560 Tailpipe/Exhaust Stretcher Conversion Kit. For those that already have the CG122 10 Ton Hydraulic Ram and Pump Set (pg. 335). Just add the CG5560 to the CG122 to add hydraulic power to the PH300. Includes exhaust pipe adaptor and instructions.



203EXMS

Exhaust Manifold Sockets

Quickly and easily starts nuts, springs, and washer on connection between exhaust manifold and exhaust downpipe on GM vehicles. Funnel shape makes installing or removing these difficult assemblies a simple job. Dual sizes with each socket. Manufactured from heat treated CRV steel. U.S. Patent 10,968,421.

EXMS1213 Exhaust Manifold Socket. 12mm/13mm size.

EXMS1415 Exhaust Manifold Socket. 14mm/15mm size.

EXMS18 Exhaust Manifold Socket. 18mm size.

203EXMS Exhaust Manifold Socket Set. Includes EXMS1213, EXMS1415 and EXMS18 in a storage case.

Cutters

TC90A Tail Pipe Cutter. Handles on the car cutting from 3/4" to 3 1/2" diameter. Sixteen link cutter chain is 12" long. Threaded shaft with cross piece provides elasticity to help prevent chain wheels from breaking. Ideal for cutting the strut assembly to enable servicing of the strut cartridge.

TC90A1 Chain Assembly. Includes one wheel and one roll pin.

VGP18210 Chain Pipe Cutter. Quickly and easily cuts exhaust pipes with 13 alloy cutting wheels in chain. Can also cut stainless steel, copper and PVC piping from 15mm up to 75mm (19/32" to 2 15/16") in diameter, up to 2.6mm (3/32") wall thickness. Locking mechanism helps avoid lateral movement and mis-aligned cutting. Large butterfly screw allows application of greater force to cutting wheels with each series of cuts.

VGP18210-1 Replacement Chain. For VGP18210.



YA3201



YA3202



YA1300

Exhaust Tools

YA3201 Doughnut Stretcher. One end features an offset hook. For easy removal, use to grab onto the rubber mounting rings or "doughnuts" used in many exhaust systems.

YA1300 Manifold Jack (set of 2). A manifold that has contracted until its mounting holes are out of alignment can be made to fit once more with this jack set. Use to expand manifold to its original shape and bolt hole alignment. Use with a 3/4" open end wrench.

YA3202 Exhaust Hanger Removal Pliers. For removing hanger brackets from their rubber mounting straps. Place removal jaw behind the rubber grommet ring and the forcing pin of the pliers on the end of the steel hanger. When handles are squeezed, the forcing pin pushes the ring off the hanger. Applications on most domestic and import cars as well as light trucks. 14" long.

Service Tools Spark Plug



Boot Pliers

YA824C Spark Plug Boot Pliers. 45° offset jaws. Vinyl coated jaws and handles assure gripping ability. Use only on automotive type ignition systems. 9 1/2" long.

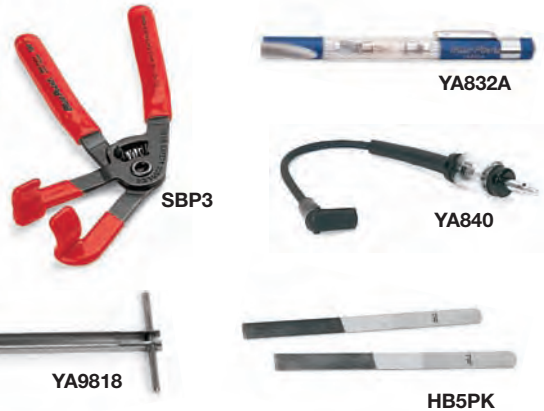
YA824ASTR Boot Pliers. Straight jaw version of YA824C. 9 3/4" long.

SBP5 Boot Pliers. Pliers adjust to five different positions for easy access to restricted spark plugs. Internal spring keeps the pliers in the open, ready-to-use position. Vinyl coated jaws and handles. Black industrial finish. 10" long.

SBP3 Boot Pliers. Vinyl coated offset jaw tips will pull most domestic and import spark plug boots, including the back plugs on new model Porsche and Mercedes Benz. Vinyl covered handles are cushioned for comfort.

YA8230 Valve Stem Seal Pliers. Removes valve stem seals from overhead camshaft engines including 4 valve per cylinder engines that have restricted access to the valve stem seal due to the head design. Gripping serrations in the pliers tip easily grab both OEM and aftermarket seals with ease. Easy grip handles.

YA9818 Spark Plug Boot Puller. Quickly and easily remove and install hard to reach steel spark plug boots on VW and Audi vehicles. "T" handle design delivers greater pulling power. Constructed from hardened stainless steel for strength and corrosion resistance. .78" diameter with 12" overall length.



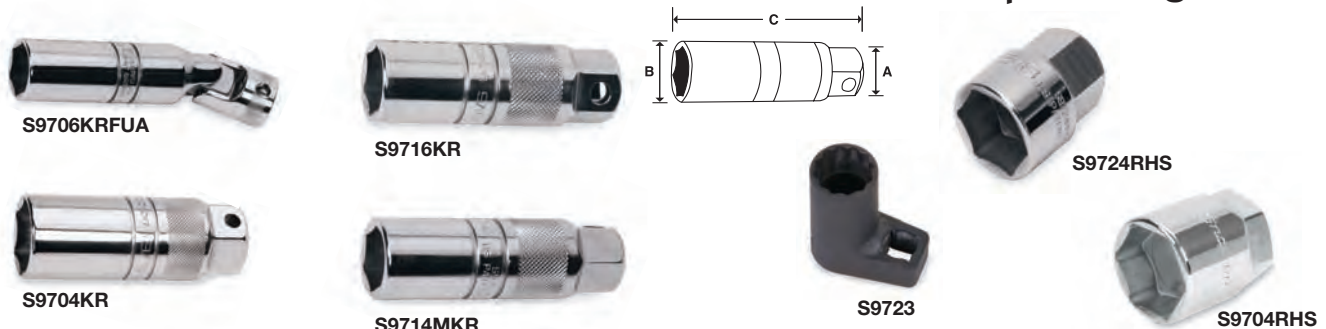
Spark Plug Tools

YA832A Spark Plug Firing Indicator. Test spark plugs, coils, and distributors on breaker point and electronic ignition systems. Blunt nose tip prevents lead puncturing. High intensity bulb and viewing window for greater flash concentration. 4 3/4" long.

YA840 In-Line Spark Tester. Quickly diagnose ignition systems. Works on all ignition systems including distributorless ignitions. With engine off, simply remove plug wire from spark plug, connect female end of tester to spark plug, connect male end of tester to the spark plug wire, start engine and check tester light (it will flash if power is being transmitted to plug). Status of indicator light shows if problem exists in the ignition system or fuel system.

HB5PK Spark Plug File Set. Fine, single cut tungsten file for smoothing or cleaning spark plug and other contact points. Includes (2) HB5 Spark Plug Files.

FLANK DRIVE® Spark Plug Sockets



Retention Spark Plug Sockets

Patented tapered hex design (U.S. Patent No. 6,626,067) securely retains spark plug in socket without rubber insert or magnet. Patented "Diamond Wedge" design with six wedges equally align plug in the center to avoid damage to the porcelain. Spark plug is easily disengaged from the socket by applying gentle side pressure to break the contact. Spark plug configuration is cold formed for extended tool life. External hex on standard models for restricted access applications. Knurled surface for finger tightening/removal. Side through hole for secure extension retention for coil on plug applications. Sockets are not Flank Drive® configuration and conform to ANSI B107.34M-1997.

S9706KRA / S9706KRFU Applications - 4.7L engines used on Jeep Commander and Grand Cherokee, Dodge Ram, Durango and Dakota plus Chrysler Aspen. General applications on autos, light trucks, motorcycles and power equipment.

S9716KR Applications - 2005 Ford Mustang (4.6L, 3-valve engine) and Ford 2004 F150 (5.4L V8, 3-valve engine).

S9714MKR Applications - 14mm spark plugs used in Nissan 1.8L Versa and 2.0L Sentra.

#	6	A	B	C
5/8	S9706KRFUA	N/A	27/32 (21.2)	3 3/4 (94.2)
5/8	S9706KRA	11/16	27/32 (21.2)	2 7/8 (73)
9/16	S9716KR	5/8	25/32 (19.6)	2 3/8 (60.3)
13/16	S9704KR	7/8	1 1/16 (26.7)	2 27/32 (72.1)
14mm	S9714MKR	16mm	19.6mm	60.3mm

Special Application

S9723 Offset Spark Plug Socket. 5/8" offset spark plug socket for limited access situations. Remove/install the spark plug on the #3 cylinder without interference from the steering column on GM 4.3L V6 engines used in GMC Jimmys, Chevy Blazers, S10 and S15 Pick-up trucks (1994 to 2004) plus Oldsmobile Bravadas (1996 to 2001). Use with 11" extension, 12-point, Flank Drive® wrenching system. Industrial black finish. 1 1/2" length, 1 3/4" height, 3/8" drive.

S9724RHS Low Profile Spark Plug Socket. Low profile socket easily reaches 5/8" (16mm) spark plugs on muscle cars, ATVs, motorcycles and boats without interference from custom exhausts or chassis. Applications include Harley-Davidson® motorcycles with large gas tanks (1986 and later Sportster® and 1999 and later twin cam models) plus small block Chevy, Ford, Mopar and other engines with 5/8" (16mm) spark plugs and racing exhaust headers. Spark plug extends through the socket for access in tight quarters. Patented tapered hex design retains spark plug securely without rubber insert or magnet. Spark plug is easily disengaged from socket by applying side pressure. Use ratcheting box wrench on 5/8" external hex drive. Length is 1 1/16".

S9704RHS Low Profile Spark Plug Socket. Low profile socket easily reaches 13/16" spark plugs on muscle cars, ATVs, motorcycles, RV's and boats without interference from custom exhausts or chassis. Applications include small or big block Chevy, Ford, Mopar and other engines with 13/16" spark plugs and racing exhaust headers. Spark plug extends through the socket for access in tight quarters. Patented tapered hex design retains spark plug securely without rubber insert or magnet. Spark plug is easily disengaged from socket by applying side pressure. Use with open end or ratcheting box wrench on 13/16" external hex drive. Length is 1 1/4".



WARNING

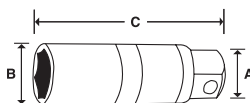
- Do not use chrome or industrial finish hand tools with power drivers.
- Read additional safety precautions on pages 534 to 537.



Spark Plug FLANK DRIVE® Spark Plug Sockets



S9706KMAG



S9706KA

Magnetic (3/8" Square Drive)

#		6	B	C
5/8			11/16	2 19/32
13/16			11/16	2 11/16

S9706KMAG*

S9704KMAG*

* ASME/ANSI B107.34M-1997



S9721A

Double Swivel (3/8" Square Drive)

Use double swivel universals for rear spark plug removal or installation on transverse V6 engines.

#	6	C	Rubber Insert
5/8		4 13/16	S9706KARI

S9721A

ASME/ANSI B107.34M-1997



FSXK320A

Flexible Extensions (3/8" Square Drive)

#	B	C	Rubber Insert
5/8"	2 15/32	5 11/32	S9706KARI
5/8"	23 15/32	26 11/32	S9706KARI
13/16"	23 7/16	26 3/16	S9705A2

FSXK320A

ASME/ANSI B107.34M-1997

Ball Joint Swivel (3/8" Square Drive)

#	6	C	Rubber Insert
13/16		3 25/32	S9705A2
5/8		3 25/32	S9706KARI

S9709KB

S9710KB

ASME/ANSI B107.34M-1997



S9710KB

Spark Plug Sockets, inches

Size, inches	Stock No.	Length, inches
5/8	BLPSPS3858	2 9/16
13/16	BLPSPS381316	2 1/4



BLPSPS3858



BLPSPS381316

Shallow

#	6	A	B	C	Rubber Insert
5/8		3/8	11/16	2 27/32	S9706KARI
18mm		3/8	17.5	67.1	S9706KARI
3/4		3/8	31/32	2 13/32	S9705A2
13/16		3/8	7/8	2 3/4	S9705A2
7/8		3/8	7/8	3 1/2	S6106-2R

* ASME/ANSI B107.34M-1997.

** Designed for aircraft applications.



S9720KA

Extra Deep (3/8" Square Drive)

#	6	C	Rubber Insert
5/8		5 31/32	S9706KARI
13/16		5 7/8	S9719-2A

ASME/ANSI B107.34M-1997



S9704KFUA

Universal

#	6	A	B	C	Rubber Insert
3/8		3/8	13/16	3 9/16	S9705A2
5/8		3/8	5/8	3 23/32	S9706KARI

* ASME/ANSI: B107.34M-1997



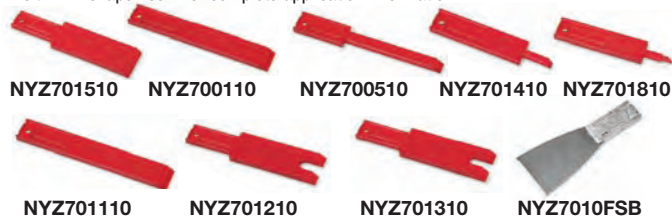
Mastic Removal Tools Aviation

Mastic Removal Tools and Kits

NYROC™ is a proprietary engineered plastic specifically formulated for removing difficult to remove materials on delicate, fragile and scratch prone surfaces. NYROC™ blades were designed originally for removing stubborn mastics in aircraft fuel tanks and fuselages; an application where any damage to the underlying aluminum can be cause to permanently ground an aircraft. NYROC™ blades have a large variety of applications from automotive to industrial.

Applications

Automotive/Engine Repair, Body Shop, Aviation, Industrial and Marine.
Visit www.snapon.com for complete application information.



NYROC™ Blades

Blade Size	Description	Pack of 10	Pack of 200
1/8" wide	General Use	NYZ701810	NYZ7018200
1/4" wide	General Use	NYZ701410	NYZ7014200
1/2" wide	General Use	NYZ700510	NYZ7005200
3/4" wide	General Use	NYZ703410	NYZ7034200
1" wide	General Use	NYZ700110	NYZ7001200
1" wide	Button Head Rivet	NYZ701110	NYZ7011200
1 1/2" wide	General Use	NYZ701510	NYZ7015200
1 1/2" wide	Highlock for 1/4" high locks	NYZ701310	NYZ7013200
1 1/2" wide	Highlock for 3/8" high locks	NYZ701210	NYZ7012200

Blades available in 10 pack and 200 pack quantities only.

NYZ7010FSB Flexible Steel Blade

Flexible steel blades. Use with NYZ7026EH Rubber Handle. Available in package of 2 only.



Accessories

NYZ7004VB Anti-Static Vacuum Bags. Anti-static vacuum bags for NYZ7000S Blade Sharpener. Pack of 10.

NYZ700AD Abrasive Sharpening Discs. Abrasive sharpening discs for NYZ7000S Blade Sharpener. Pack of 10.

NYZ7000S Pneumatic Blade Sharpener. Pneumatic powered sharpener quickly sharpens all NYROC™ blades up to 1" in width. Consistently sharpens blades to the optimal 51° angle. Operates with single push button. Connects directly to shop air. Removed material is collected in disposable anti-static vacuum bag attached directly to the discharge chute.

NYZ7026EH NYROC™ Blade Holder. The vulcanized rubber padded blade holder works exclusively with NYROC™ blades. Fits comfortably in the users hand, reduces operator fatigue and helps to prevent injury.



NYZ7000MDKIT

NYZ7007HD

Complete Kits

NYZ7000MDKIT Master Mastic Removal Kit

Save up to 80% of the time and labor involved to remove PRC and other mastics from every area of an aircraft without damage to the substrate. Speed controllable vibration gun permits infinitely variable job performance. The included pneumatic blade sharpener rapidly puts an edge on all NYROC blades up to 1" width right at the job site. Completely portable system is fully grounded and anti-static. Kit includes medium duty Vibro gun, pneumatic blade sharpener, (1) anti-static vacuum bag, (1) sharpening disc, (1) manual handle, (2) 1" NYROC™ blades, (2) 1/2" NYROC™ blades, (2) 1/4" NYROC™ blades, blade locks and connecting hoses in padded storage case.

NYZ7001MD Basic Mastic Removal Kit

Same as NYZ7000MDKIT but does not include medium duty Vibro gun.

NYZ7007HD Manual Mastic Removal Kit

The hand kit is ideal for aviation, automotive and industrial use especially for delicate jobs and limited access scraping applications. The NYROC™ blades are easily sharpened with sandpaper, small stone or optional pneumatic sharpener. Kit includes (6) 1" NYROC™ blades, (6) 1/2" NYROC™ blades, (3) 1/4" NYROC™ blades and (1) ergonomic rubber handle.



NYZ7006MG

NYZ7025H50

Guns and Hoses

NYZ7025H50 Air Hose (Anti-Static)

NONSTAT™ anti-static 1/4" hose is fully grounded to prevent static discharge. Hose is ideal for environments and projects where static control is essential. 50' long.

NYZ7024H100 Air Hose (Anti-Static)

Same as NYZ7025H50 except is 100' long.

NYZ7006MG Vibro Gun Kit

Kit includes medium duty Vibro gun, (1) 1" NYROC™ blade, (1) 1/2" NYROC™ blade, (1) 1/4" NYROC™ blade and (1) 1/8" NYROC™ blade plus blade locks in black kit bag. Medium duty Vibro gun adds pneumatic power to all scraping jobs using standard NYROC™ blades.

Specialty Service Tools



AVPW716

AFPW38

Aircraft Vacuum/Fuel Pump Wrenches

AVPW716 Aircraft Vacuum Pump Wrench. Removes and replaces vacuum pump flange nuts on aviation and experimental aircraft. Use with any 1/4" drive extension. Easily fits into tight areas between the pump and nearby accessories. The cut-down head design adds greater flexibility than a wrench with a bent shank.

Applications include:

Cessna: Skyhawk, Skylane, Stationair
Piper: Cub, Warrior, Archer, Seminole, Aztec, Navaho, Chieftain
Mooney: M20 series, M200 series, Ovation, Acclaim
Beechcraft: Bonanza, Duchess, Baron
Cirrus: SR20 and SR22

AFPW38 Aircraft Fuel Pump Wrench. The AFPW38 is a small crowfoot which will remove and install the fuel primer/injector line on Continental and Lycoming engines. Can be used with a 1/4" drive extension and will easily fit into tight areas.

RELATED ITEMS

Riveting Tools, pg 500



AOFW2

Aircraft Oil Filter Wrench

AOFW2 Aviation Oil Filter Wrench. Oil filter wrench can be used for installing and removing oil filters on all standard general aviation aircraft with 1" hex oil filters. Compact size allows for reach in restricted areas. 3/8" drive torque wrench. Please refer to Snap-on® SS306G Torque Chart for formula to obtain the correct applied torque.

Aviation Safety Wiring



Wire Twisters

Cushion throat wire twisters feature a polyurethane filler that is bonded into the tool's cutter head to help prevent flying wire bits. A special undercut design helps maintain cutting edges and increases tool durability. Ideal for assembly line applications.



WT105-2004



WT105-2516

Wire Twister/Cutters

Stock No.	Description/Features	Wire Capacity, inches	Overall Length, inches	Wire Retainer
GA311C	Wide range of applications.	.060	10 1/2	No
PR311	Similar to GA311C, but not spring loaded. Right hand only with manual return.	.060	10 1/2	No
WT11B	Small size for use in tight quarters.	.041	8 1/2	No
WTR1A	Reversible wire twisters let you perform right and left hand twist with the same tool. Spring return and control knob.	.041	8 3/4	No
WTRW6A	Reversible Wire Twister. Perform right and left hand twist with the same tool. Spring return and control knob. TigerWave® Jaw captures and holds wire firmly.	.041	—	Yes

Safety Wire

Stock No.	Wire Size, inches	Container
WT105-2004	.020	1/4 lb. Spool
WT105-3204	.032	1/4 lb. Spool
WT105-4204	.041	1/4 lb. Spool
WT105-2016	.020	1 lb. Canister
WT105-2516	.025	1 lb. Canister
WT105-3216	.032	1 lb. Canister
WT105-4116	.041	1 lb. Canister
WT105-5116	.051	1 lb. Canister

Lighting Flashlights (Non-Rechargeable)



ECFB1 Aluminum LED Flashlight.

1 watt LED with convex magnifying lens for maximum brightness. Anodized aluminum construction for durability. Knurled grip for secure handling. Push button on/off tail cap switch with silent signal feature. Hanger/hook for easy storage. Includes (3) AAA batteries.

ECFB1

ECFHEAD1 LED Headlight.

LED headlight for applications requiring hands free lighting. Bright 1 watt LED never needs replacing. Pivoting head and adjustable headband. Water resistant. 30 hours continuous run-time on one set of batteries. Uses (3) AAA alkaline batteries (included).

ECFHEAD1

ECFB975 LED Flashlight. Switches from 2 LED operation to 4 LED operation with simple rotation of flashlight head. Provides up to 100,000 hours (more than 11 years) of continuous use with change of batteries. LED's never need replacing. Push button ON/OFF switch has silent signal feature. Comfort handle constructed of tough ABS plastic with rubber grip has 1 1/2" diameter. Water and shock resistant. 10" long. Uses (2) D alkaline batteries.

ECFLED18 Folding LED Pocket Light. 18 Super bright LEDs.

- Rechargeable NiMH battery pack
- Ratcheting hinge adjusts light direction
- Foldable hook for added flexibility. Open to turn on / close to turn off
- Approximate 7 hour run time
- Includes 120 volt "smart" charger and belt pouch
- "Super strong" polycarbonate composition increase durability

ECFCE1 LED Caplight. Features three ultra bright LEDs. Lightweight unit attaches to cap brim. Approximate 7 hour run time.

ECFCE1PK LED Caplight. Contains 5 ECFCE1 LED caplights.



ECFLED20KT

ECFLED20KT Palm Light Kit. Flexible shaft easily attaches to light and clip for exact light positioning. Detachable clip with retracting hook for added versatility. Includes ECFLED20, ECFLED20-1, ECFLED20-2 and ECFLED20-3 in ECFLED20-4 Storage Case.

ECFLED20 LED Palm Light. Super bright rechargeable 20 LED cord free palm light. Unique, exclusive hands free design. Powerful magnet molded into the back.

ECFLED20-1 Charger. AC charger for ECFLED20.

ECFLED20-2 Detachable Clip/Hook. Hanging clip/hook for ECFLED20.

ECFLED20-3 Flexible Shaft. Flexible shaft for ECFLED20.

ECFLED20-4 Storage Case. Storage case for ECFLED20KT.

Flashlights (Non-Rechargeable) Lighting



ECF950A

Xenon / LED

ECF950A Compact LED Flashlight. Five ultra bright LED lamps have a 17,000+ hour life and are 25% brighter than previous version. Beam projects over 120' (36 meters) and is visible from over 2 miles (3.2 kilometers). Powerful lithium batteries provide more than 20 hours of burn time (included). Three way switch (ON, Signal button, or OFF) for greater versatility. Precision machined aircraft aluminum is finished with military grade type 3 hard coat anodizing. Crush resistant to 2,000+ lbs. (900 kg). Water submersible and signal visibility of 1.75 miles. Operating range is -40°F to 122°F. Compact size is only 0.88" dia. x 4.75" long (22.2 x 120.7mm). Features include 3/16" (4.7mm) lanyard hole and Snap-on® logo etched on barrel. Classic bright white floodlight beam.

ECF950P Storage Pouch. Storage pouch for ECF950 flashlight.



ECF965A

ECF965A LED Spot Flashlight. High powered 50 watt 75 lumens LED, electronically controlled for uniform light. Mineral glass optical window has double sided anti-reflective coating and Teflon® seal to withstand environmental pressure. Stainless steel head protects optical system. O-Ring provides an ultra tight seal. Uses a patented precision optical system for enhanced light. Power regulation ensures non-dimming brightness. Shockproof and water resistant. End cap switch features 3 way tactical switch: momentary on, constant on/off and lockout mode. Lithium batteries with 10 year shelf life. 5.27" length. Uses 2-123A lithium batteries. Run time up to five hours. Effective Range up to 150'. Signal visibility up to two miles.



ECFUV950

ECFUV950 LED/UV Flashlight. Three UV LED's help locate leak seeking dyes quickly. Two blue LED's provide light in dark areas. Sleek design (3.9" length) easily fits in pocket. Recessed lamp/lens with double O-ring seal in stainless steel head protects head/lens assembly. Body is hard coat anodized aluminum with laser etched Snap-on® logo. Intelligent power regulator steps up battery voltage for constant, maximized light emission. Three position switch cap (ON/OFF and intermediate position) that permits fast one hand operation with a push of the button at the end of the cap. Uses (2) 3 volt lithium battery. Water resistant. Includes nylon holster and lanyard hole in cap.



ECFB200BL



ECFB200BL Penlight. High intensity 3 watt LED, 100 lumen penlight. Extremely bright light output. Uses three AAA alkaline cells. Only 6.25" in length and 1/2" in diameter. Includes pocket clip. Blue in color. Limited lifetime warranty.



ECF925

ECF925 LED Spot Flashlight. LED Mini Utility flashlight directs a concentrated 2 watt beam of light where needed. Sleek solid body aircraft aluminum design (3.9" length) easily fits in pocket. Recessed lamp/lens with double O-ring seal in stainless steel head protects head/lens assembly. Body is hard coat anodized aluminum with laser etched Snap-on® logo. Intelligent power regulator steps up battery voltage for constant, maximized light emission. Bright LED light has a 100' effective range and 1.5 mile signal visibility with 2 hour run time. Three position switch cap (ON/OFF and intermediate position) that permits fast one hand operation with a push of the button at the end of the cap. Uses (1) AA alkaline battery. Water resistant. Includes nylon holster and lanyard hole in cap.



ECFUV925

ECFUV925 LED UV Flashlight. This 30% brighter compact unit directs a powerful, concentrated ultra violet beam that makes it ideal for UV leak detection and non-destructive testing. Sleek design is only 3.95" (99mm) long and 0.72" (18mm) in diameter. Body is hard coat anodized aluminum with laser etched aluminum Snap-on® logo. Recessed lamp/lens with double O-ring seal. Water resistant. Withstands temperatures from -40°F to +122°F. Stores easily and travels lightly, delivering a bright focus UV beam and 3 hour run time. Proprietary optical system maximizes light emission. Three position cap switch. Powered by (1) AA alkaline battery (included). Includes nylon holster and lanyard hole in cap.



ECF975A

ECF975A LED Flashlight. Powerful military quality 5.8 watt LED 95+ lumen. Up to 250' effective range and 3 mile signal visibility. Patented precision optical system. Nylon holster and lanyard hole in cap.



ECFB200S



ECFB200S Penlight. Same as ECFB200BL except silver in color.



WARNING

• Read additional safety precautions on pages 534 to 537.



Lighting Flashlights (Non-Rechargeable)



ECF201



ECF35



ECFH3



ECFH1

Flashlight not included.

Special Application Flashlights

ECF201 Aluminum Police Style Flashlight. Machined, aircraft grade aluminum with durable anodized finish. Spot-to-flood adjustable beam. Rubber sleeves on head and barrel offer maximum grip. Removable head to use as an area light. Push button ON/OFF switch with locking feature. Water and shock resistant. Includes extra bulb in tail cap. Requires 2 "D" cell batteries (not included).

ECF35 Explosion Proof Flashlight. Two D cells. Made of high impact plastic. Features battery decks to isolate batteries from the bulb, metal reflectors with a channel gasket that waterproofs the lens cap, and lens. Includes a spare bulb, holder, and ring hanger. UL Listed and Bureau of Mines approved. Meets applicable U.S. Fed. and Mil. Specs. MX-992/U, Type II, Style 1, except color.

ECFH1 Flashlight Holder. 5/8" Magnetic base offers secure hold. Ball joint permits 360° rotation and pivots 70°. Light beam of inserted flashlight is easily directed and once positioned remains in place. For AA / AAA Flashlights.

ECFH2 Flashlight Holder. 1 5/16" cup. Magnetic base offers secure hold. Ball joint permits 360° rotation and pivots 70°. Light beam of inserted flashlight is easily directed and once positioned remains in place. For D Cell Flashlights.

ECFH3 Flashlight Holder. 1" cup. Use with "C" size flashlights with a body width of 3/4" to 1 1/8". Magnetic base offers secure hold. Ball joint permits 360° rotation and pivots 70°.

Flashlights / Lanterns (Rechargeable)



ECF490



ETB14410



CTLTD4918



Rechargeable Flashlights

ECF490 Rechargeable Flashlight. 4.8V Xenon bulb for maximum light output. Compact size produces equivalent brightness to a 3D cell flashlight. Features a durable, shock resistant nylon housing with rubber grips and tough tempered glass lens. Tail cap on/off push button with silent signal feature. Includes (2) 4.8V rechargeable NiMH stick batteries and charger with 120V AC adaptor with LED charge indicator.

ETB14410 Cordless LED Light. Fully adjustable, swivel design direct light were needed ($\pm 70^\circ$). Light operates in bright incandescent light, steady LED light and blinking LED light modes. Long lasting LED light (480 Lux). Built in 360° metal hook. Uses only ETB14417 Battery and ETB14401 Charger (battery and charger not included). Voltage: 14.4V. Weight: 1.98 lbs. (0.9 kgs) without battery. Length: 11.8" (300mm).

CTLTD4918 Rechargeable LED Flashlight. High impact glass filled nylon housing for a rugged tool to stand up to the demands of the professional workplace. Bright, focused tri-cluster LED light source. Durable (3) 1 Watt LEDs last longer than conventional bulbs while requiring less frequent replacement. Tempered glass lens resists cracking, discoloring and automotive fluids. Two position switch partially depresses for short bursts of light or fully depresses to lock in ON position. Head pivots 120° with detent every 10°. Light can be positioned on its back, stand on its base or be hung with strap and hook. Does not include battery or charger. Use with Snap-on® battery packs CTB4185 (18 VDC / 8 hour run time) or CTB4145 (14.4 VDC / 6 hour run time). Use with Snap-on® chargers CTC420 (U.S.), CTCFA420 (Australia), CTCFE420 (Europe), CTCJ420 (Japan) and CTCFU420 (United Kingdom). UL (U.S. and Canada) listed.



CTL3918
Battery not included.



ECFDUX

Rechargeable Spotlights

CTL3918 VERSA VOLT® Rechargeable Spotlight. Features a powerful 55 watt halogen bulb that generates 1,000,000 candle power. Current draw is 8.5 amps (High setting) and 3.5 amps (Low setting). Run Time (on High setting) is 34 minutes (18V batt.), 26 minutes (14.4V batt.), 20 minutes (12V batt.) and 10 minutes (9.6V batt.). Spotlight weight with 18V battery is 4.3 lbs. Use with Snap-on® CTB Series Battery Packs and CTC Series Chargers. Battery pack and charger are separate purchases. UL/CUL Listed. CE Conformity.

ECFDUX Rechargeable Xenon Spotlight. Xenon bulbs easily switch from single to dual beam to provide just the right amount of light. Rugged ABS plastic body with balanced pistol grip design. Trigger ON/OFF switch can be used for momentary bursts or locked in the ON position. Convenient metal hanging/storage bracket. LED turns off to indicate fully charged battery. Contoured handle with rubber cushion for extra comfort. Powered by 6V 2.3 Ah lead acid battery. Light lasts about 1 to 2 hours of continuous use on full charge. Includes 120VAC plug in charger and auto cigarette lighter (12VDC) adaptor cord.

Utility Lights (Rechargeable) Lighting



ECFSP30

ECFSP30 Cordless 30 LED Utility Light. Rugged design provides continuous operation for up to eight hours. Versatile Light Positioning - hang with swivel hook, stand on end, or lay on side - flats on housing will position beam about 30° up from horizontal. 30 white LEDs for a bright light. 360° swivel hook folds into a recess at back of light when not in use. Impact resistant housing and shatter proof polycarbonate lens. Smart charger prevents over charging. Charging stand can be wall mounted. Battery pack is 7.2 volt NiMH 1300mAh. Charger input is 120VAC.



ECFLED30

ECFLED30 Cordless LED Utility Light.

- Compact unit provides bright, directed light without cords to tangle or restrict movement
- LEDs last longer than conventional bulbs and require less power - less drain on the battery
- Hook at end of light can be positioned to direct light as desired. Long lasting battery - Continuous operation for up to five hours
- Can be charged at any time - Complete discharge not required
- Charger is powerful enough to operate light while recharging
- "Smart Charge" feature prevents over charging
- Thirty LEDs produce a powerful, forward directed light
- Impact resistant lamp tube and rubber handle help protect unit from accidental damage
- Includes 100-240 VAC charger

Specifications:

Charger Input: 100 - 240VAC, 50/60Hz, 450mA

Charger Output: 17.5VDC, 500mA

Length: 14 1/2" (368.3mm)

Weight: 1.0 lb. (0.45 kg)

Utility Lights



ECU4250A



ECU415BK



ECU444AKT

Single Tube

ECU4250A (120VAC) 15 Watt Fluorescent. Resists grease, oil, and vapors. Not immersible. Plug in ballast, light reflectors, hanging hook, and 3 conductor extension cord included. Floating, molded nylon sockets absorb shock for longer bulb life. UL/CUL Listed.

ECU415BK (120VAC) 15 Watt Fluorescent. High impact material in the handle and top cap. Tube with diffuser for better light transmission. Metalized reflector prevents light bleed through. Metal hanging hook on top cap. Two hooks on tube for horizontal positioning. Premium durability and chemical resistance. In line ballast (6' from plug end).

ECU444AKT (120VAC) 15 Watt Fluorescent. Under hood utility light easily attaches to the hood to illuminate the entire engine compartment. Fits hood widths from 47" to 80" (1193.8 to 2032mm). Attachment hooks are padded to prevent damage to the hood. 25' cord is flexible and resists oil and water.

Single Tube Utility Light Specifications

Stock No.	Lamp Style	Voltage	Bulb Type	Bulb Wattage	Bulb Length, inches	Cord Type	Cord Length, feet	Replacement Bulb	Overall Length, inches
ECU4250A	Tubular	120VAC	Single	15	17 3/4	18/2 SJTOW	25	ECU42501	23
ECU415BK	Tubular	120VAC	Single	15	17	18/2 SJTOW	25	ECU250A17	25
ECU444AKT	Tubular	120VAC	Single	15	41	18/2 SJTOW	25	ECU4443	44 1/4



WARNING

- Do not remove or bypass the grounding prong on any electrical plug.
- Read additional safety precautions on pages 534 to 537.



Lighting Utility Lights



Twin Tube

ECU325BK (120VAC) 13 Watt Compact Fluorescent. High impact material in the handle and top cap. Tube with diffuser for better light transmission. Metalized reflector prevents light bleed through. Metal hanging hook. Premium durability and chemical resistance. In line ballast (6' from plug end). Uses ECU325-4 Rough Service Bulb.

ECU350BK. Same as ECU350BK except with 50' cord.

ECU4325A (120VAC) 13 Watt Fluorescent. Instant On/Off switch provides "light on command". Hanging hooks for portability. UL/CUL Listed.

ECU4425A (120VAC) 13 Watt Angle Head Fluorescent, 25' cord. Angled design improves lighting in tight areas. Shatter resistant housing and lens. Instant start cold weather bulb. 25' sub-zero premium cord is flexible to -58°. Strain relief at handle base adds to cord life. 13 amp power outlet in handle. 360° swivel hanging hook, hanging loop at end of handle and adjustable magnet clamp allow this fluorescent angle light to be used almost anywhere. UL/CUL Listed. 16" long. 1 year warranty (except bulb).

ECU4450A. Same as ECU4425A except with 50' cord.

ECU425ABK (120VAC) 13 Watt Angle Head Fluorescent. Case and lens are made from impact and chemical resistant proprietary material. Metal hanging hook with ratcheting action for better positioning. 13 amp accessory tool tap. Cord features superior cold weather, chemical and abrasion resistance and is flexible to -58° F. Uses ECU325-4 Rough Service Bulb.

ECU412BK (12VDC) 13 Watt Angle Head Fluorescent. Ratcheting lamphead utility light. Power from cigarette lighter or use adaptor to power from battery. Ribbed, ergonomic handle for greater comfort. Case and lens are made from impact and chemical resistant proprietary material. Folding hook rotates 360°. Includes cigarette plug to battery clip adaptor.

ECU325-4 Rough Service Bulb. Silicon cocoons internal components in base to extend starter life. Superior durability in harsh conditions. Decreases downtime for replacing bulbs. Replacement bulb for most twin tube 13 Watt fluorescent lights.

Utility Light Specifications

Stock No.	Lamp Style	Voltage	Bulb Type	Bulb Wattage	Bulb Length, inches	Cord Type	Cord Length, feet	Replacement Bulb	Overall Length, inches
ECU325BK	Tubular	120VAC	Twin	13	7	18/2 SJTOW	25	ECU325-4	13
ECU350BK	Tubular	120VAC	Twin	13	7	18/2 SJTOW	50	ECU325-4	13
ECU4325A	Tubular	120VAC	Twin	13	7	18/2 SJTOW	25	ECU43251A	12 1/2
ECU4425A	Angle Head	120VAC	Twin	13	7 1/4	16/3 SJEOW	25	ECU43251A	16
ECU425ABK	Angle Head	120VAC	Twin	13	7	16/3 SJOOW	25	ECU325-4	14
ECU4450A	Angle Head	120VAC	Twin	13	7	16/3 SJTOW	50	ECU43251A	16
ECU4000	Flat Head	120VAC	Quad	26	7	16/3 SJTOW	25	ECU43251A	16
ECU412BK	Angle Head	12VDC	Twin	13	7	18/2 PVC Coiled	15 (extended)	ECU215A4A	14



Four Tube

ECU4000 Four Tube Utility Light. Four tube, 26 watt, 13 amp fluorescent bulb for high light output. Comfortable, sure grip handle with finger tip switch. Grounded outlet in handle base. Swivel hook at top end of light. Rugged housing protects bulb from damage. 25' cord. 120VAC power. UL Listed in US and Canada. Uses ECU43251A Replacement Bulb.

ECU43251A Replacement Bulb. Twin tube, flicker free, cold temperature replacement bulb. 13 Watts.

Utility Lights **Lighting**



Reel Type Utility Lights

ECUR4500A 15 Watt Heavy Duty Reel Light. 120 VAC, 50' cord reel mounts to wall or ceiling with 180° swivel for maximum ease of use. Very bright light has double insulated lamp head. Switch is enclosed underneath the end cap to prevent dirt and moisture build up. 360° swivel hook plus two horizontal on lamp. Tube assembly and housing are shatter resistant. UL/CUL listed. Light is 23" long.

ECUR2450A Heavy Duty Reel Light. (120VAC) 13 Watt Fluorescent. Reel mounts to wall or ceiling with 180° swivel for maximum ease of use. Instant start cold weather bulb. 13 amp (3 prong) outlet in handle. Circuit breaker (10 amp) protects tool tap and reel from circuit overload. Adjustable ball stop on cord. 360° swivel hook on lamp. Housing is shatter resistant ABS. UL/CUL Listed.

ECURO2350A 13 Watt Heavy Duty Reel Light. 120VAC, 50' cord. Reel mounts to wall or ceiling with 180° swivel for maximum ease of use. Automatic switch activates light when cord is extended and deactivates light when cord is retracted. Adjustable ball stop on cord. Mirror finish reflector delivers maximum brightness. Double insulated lamp head. 360° swivel hook plus two horizontal hanging hooks on lamp. Housing is shatter resistant ABS. Light is 9 1/4" long. UL/CUL listed. OSHA compliant.

ECRB4430 Incandescent Reel Light. (120VAC) 75 Watt Incandescent. Steel encased, retractable reel and incandescent light. Full cord retraction when not in use. Adjustable cord stop for convenience. Handle features 3 prong grounded socket for auxiliary power source. Uses bulbs up to 75 Watt maximum. 12" long.

ECUR4000 26 Watt Fluorescent Reel Light. 120VAC, 50' cord. Reel mounts to wall or ceiling for ease of use. Angled design improves lighting in tight areas. Shatter resistant housing and lens. Instant start on/off switch. Instant start cold weather bulb. 50' cord features adjustable ball stop. Strain relief at handle base adds to cord life. 13 amp power outlet in handle, 10 amp circuit breaker in reel. 360° ratcheting swivel hanging hook for multiple location usage. UL/CUL Listed.

Reel Type Utility Light Specifications

Stock No.	Lamp Style	Voltage	Bulb Type	Bulb Wattage	Bulb Length, inches	Cord Type	Cord Length, feet	Power Lead Length, feet	Replacement Bulb	Overall Length, inches
ECUR4500A	Tubular	120VAC	Single	15	17 3/4	16/3 SJTOW	50	2	ECU42501	23
ECUR2450A	Angle Head	120VAC	Twin	13	7	16/3 SJTOW	50	2	ECU43251A	16
ECURO2350A	Tubular	120VAC	Twin	13	7	16/3 SJTOW	50	2	ECU43251A	12 1/2
ECRB4430	Incandescent Metal Shield	120VAC	Incandescent	75 max.		16/3 SVT	30	2		12
ECUR4000	Twin (2 bulbs)	120VAC		26	7	16/3 SJTOW	50	2	ECU43251A	



ECU300



ECU44255A



ECU313



ECU4007

Utility Light Accessories

ECU300 Magnetic Utility Light Clamp. Features an expandable clamp on a magnetic base. Can be used with any of our fluorescent utility lights (except ECU410). Or use with any "D" cell flashlight.

ECU44255A Magnetic Utility Light Clamp. Features an expandable clamp on a magnetic base. Can be used with any of our fluorescent utility lights (except ECU410).

Fluorescent Utility Lights

ECU313 Fluorescent Conversion Light. (120VAC) Just remove the guard from an incandescent light and add the ECU313 to get the benefits of a fluorescent. 13W bulb provides 60W of light. 10,000 hour bulb life. Shatter resistant plastic body. 13 1/2" long. Replacement bulb is ECU43251A.

ECU4007 Twin Tube Utility Light. (120VAC) Extension cord (at least 10 gauge) plugs into male plug in base for instant light and portability. Features include a nearly unbreakable body and lens, 360° swivel hook, heavy duty end cap and compact design. Output of 13 watt, twin tube fluorescent bulb is equivalent to 60 watt incandescent bulb. 13 1/2" long. Replacement bulb is ECU43251A.



WARNING

- Do not remove or bypass the grounding prong on any electrical plug.
- Read additional safety precautions on pages 534 to 537.



Lighting Extension Cords and Lights



Extension Cords

Cord stays flexible in extreme temperatures from -58° to 221° F (-50° to 105° C). Excellent resistance to oil, water and abrasion. 25'.

EC267D Extension Cord. 16/3 gauge SJTW cord stays flexible in cold weather and is oil and water resistant. Clear lighted end indicates power. 25'.

EC268D Extension Cord. Same as EC267C except 50' long.



EC267D

Multi-Outlet Strips and Reels

ECR4300A Multi-Outlet Cord Reel. 120VAC. Cord flexible to -58°. Case is shatter resistant ABS plastic. 180° swivel action plus adjustable stop ball. 16/3 SJEOW 3 conductor cord with three grounded outlets. Circuit breaker. Power cord is 2' long; extension cord is 50' long. Mounting hardware included.

ECRB4300 Multi-Outlet Cord Reel. 120VAC. Oil and water resistant cord. Case is shatter resistant ABS plastic. 180° swivel action plus adjustable stop ball. 16/3 SJEOW 3 conductor cord with three grounded outlets. Circuit breaker. Power cord is 2' long; extension cord is 30' long. Mounting hardware included.



ECR4300A



ECRB4300

Flexible Lights / Magnifiers



ECF22C



ECF1600



YA5100B

Flexible Lights

ECF22C Flexlite. Illuminates recessed or hard to view areas. Features flexible 9" coaxial cable, push button switch, pocket clip, and aluminum barrel. Snap-on® logo etched on barrel. Lamp head will pass through 9/32" or larger opening. Uses two AA cells (batteries not included). Includes replacement bulb (ECF22B1). 14 1/4" long.

ECF1600 Bendable Light. Heavy duty barrel handle and switch. Features 10" flexible shaft and 3/16" high intensity lamp. Includes two AA batteries. 16" long.

YA5100B Bendable Light. Features brilliant krypton lamp on a slender, 15" long, flexible shaft. Includes 24" extension cover, which can make the light almost 40" long for difficult to view areas. 3/16" lamp diameter.

YA5100-2 Flashlight Bulb.

YA5100-3 Replacement Storage Tube.

YA5100B-1 Flashlight Switch.

Magnifiers

YA810 Optical Magnifier Flashlight. For locating timing marks and serial numbers. Approximately 4X magnification. Two AAA batteries are included.

YA537 Pocket Magnifier. Folding magnifier includes two 3X lens. Use singly or together for a combined 6X effect.



YA810



YA537