

2017 ENGINE PERFORMANCE

Engine Controls and Fuel - 1.4L (LUV) - Special Tools and Equipment - Special Tools (Diagnostic Tools) - Encore, Trax

SPECIAL TOOLS AND EQUIPMENT

SPECIAL TOOLS (DIAGNOSTIC TOOLS)

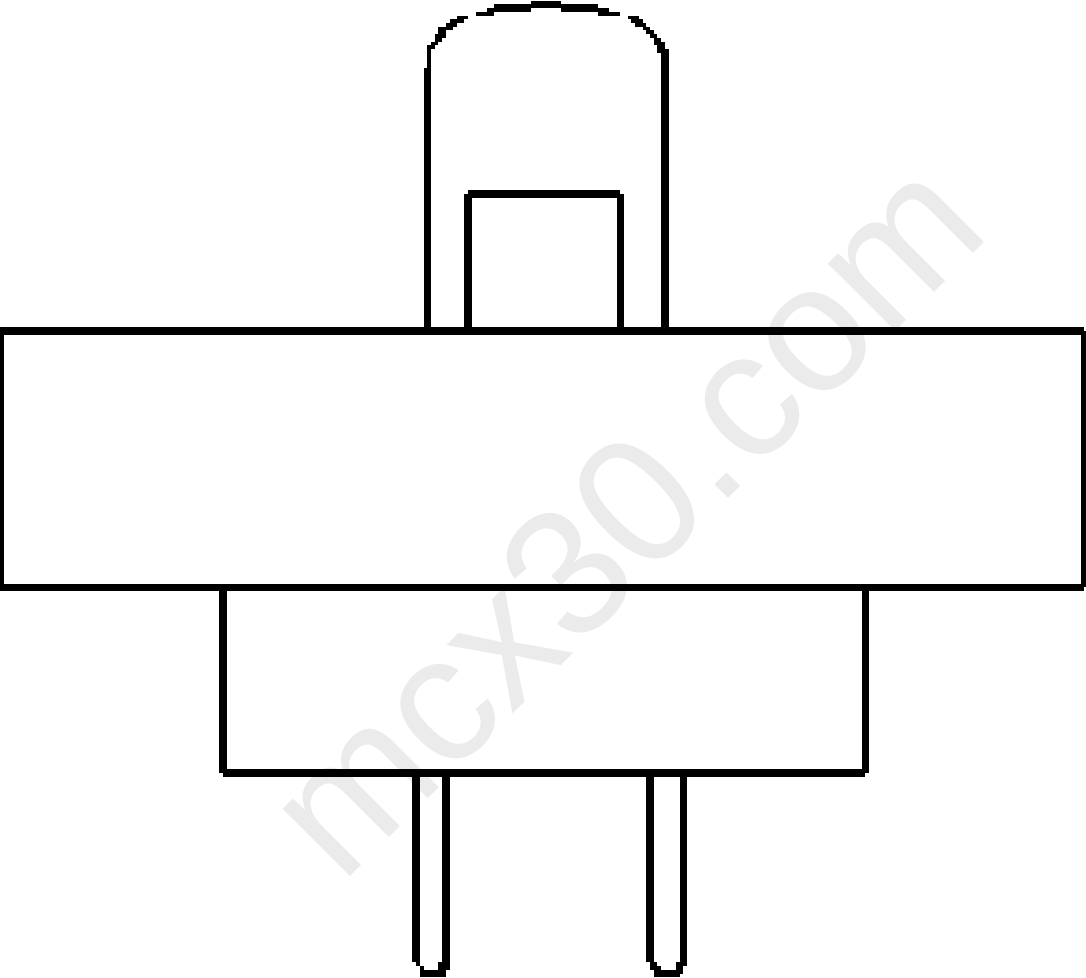
Illustration	Tool Number/Description
	CH-34730-2C J-34730-2C Injector Test Lamp

Illustration	Tool Number/Description
	CH-37287-1A Fuel Pressure Gauge Adapter 3/8"
	CH-38641-B J-38641-B Diesel Fuel Quality Tester

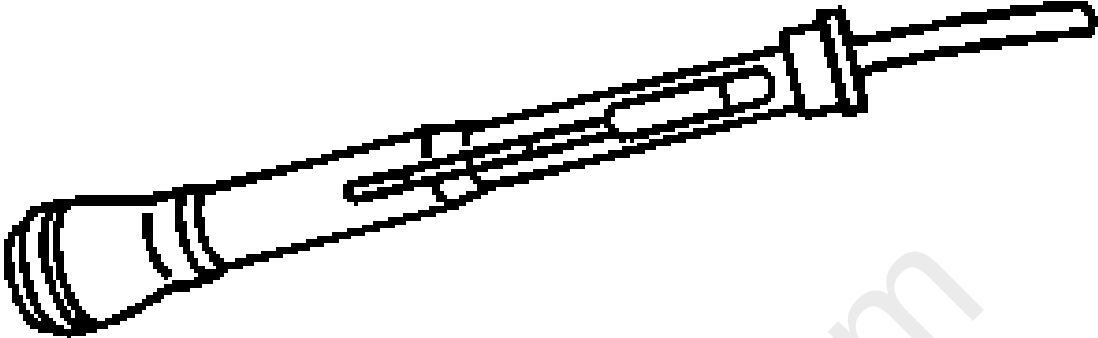
Illustration	Tool Number/Description
 A line drawing of a hand tool, possibly a screwdriver or a similar instrument, with a handle and a shaft. The handle has a textured grip. The shaft is long and thin, with a small rectangular feature near the handle. The tool is oriented diagonally.	

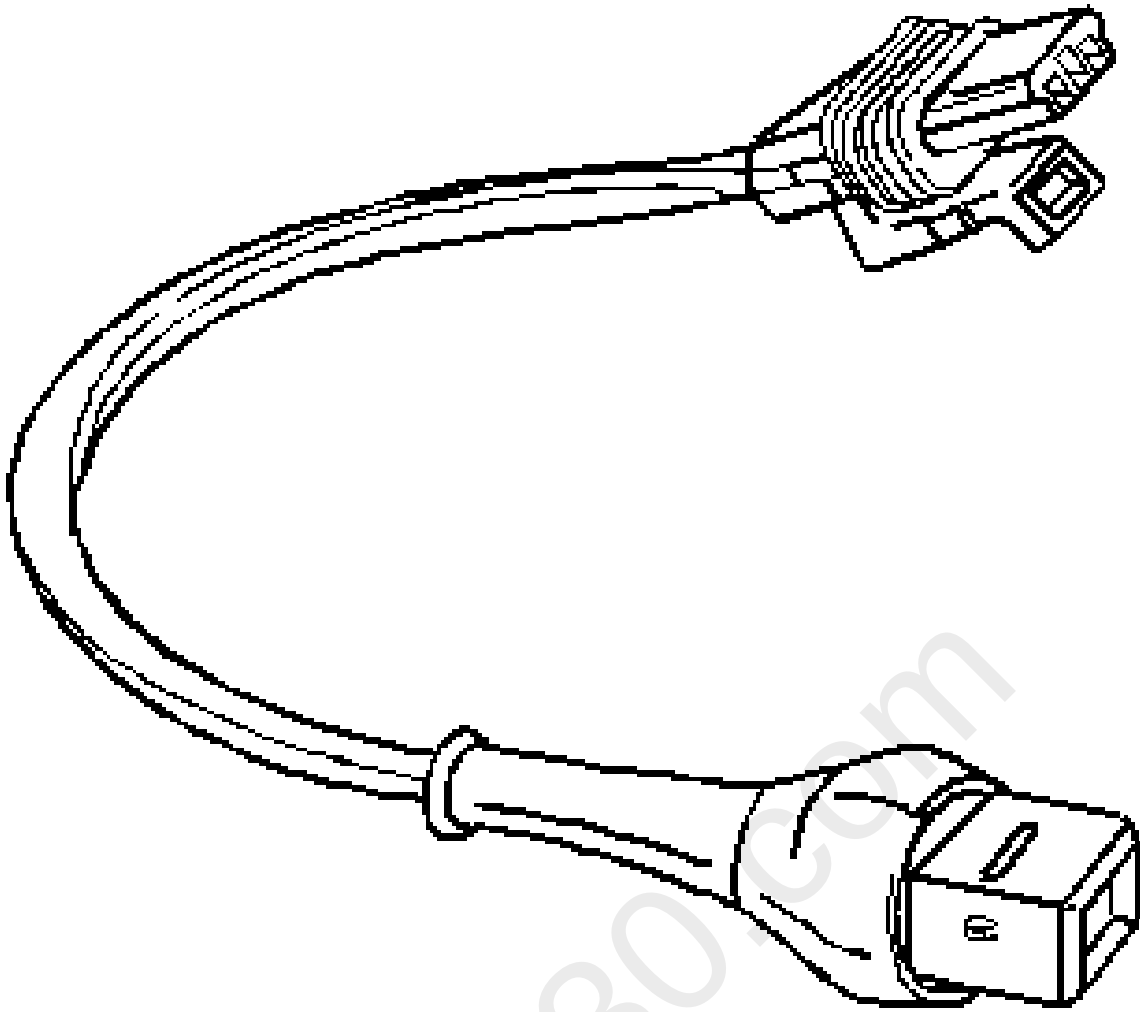
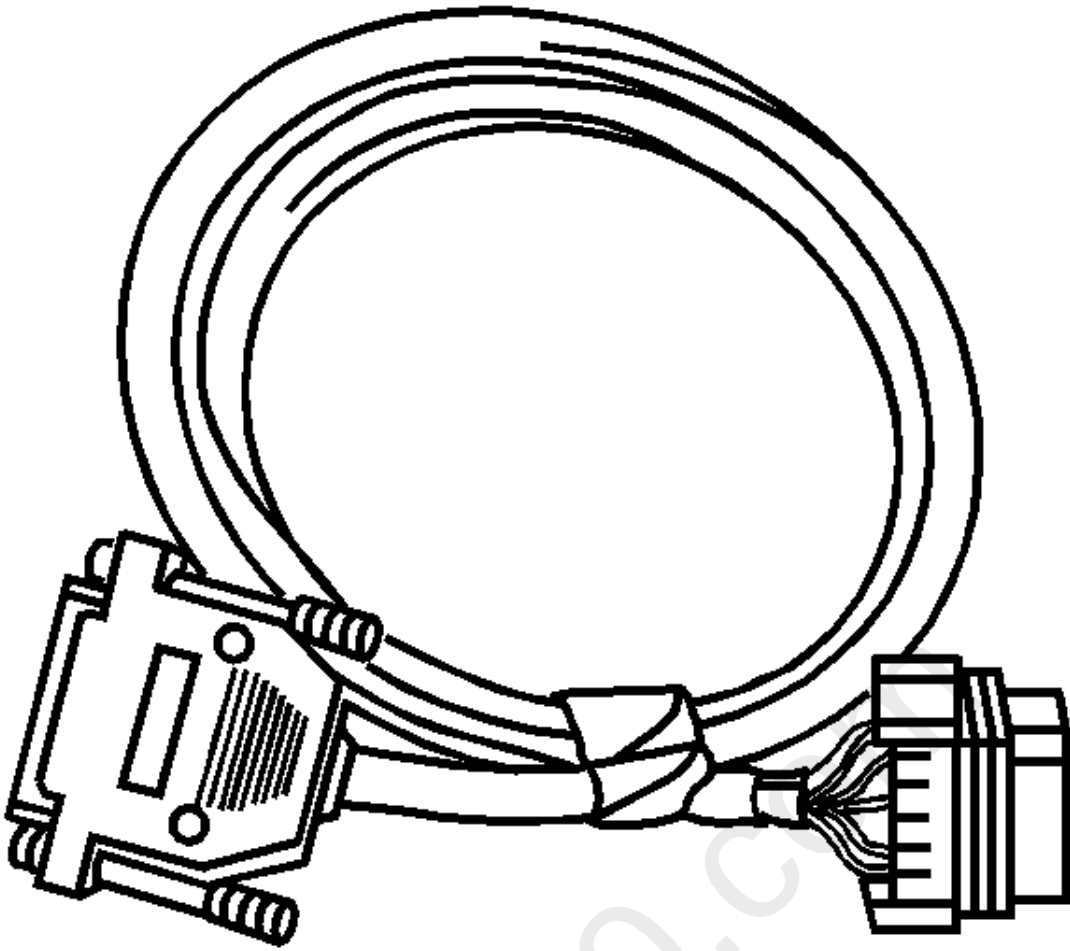
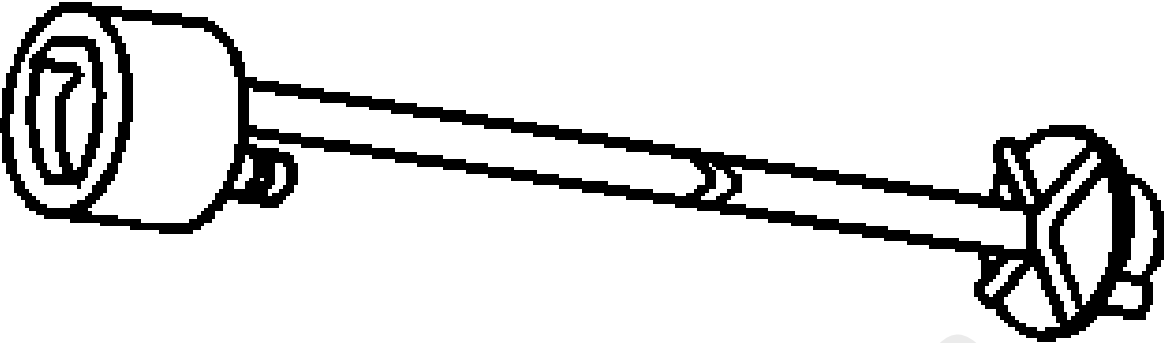
Illustration	Tool Number/Description
	CH-39021-301 J-39021-301 Fuel Injector Harness Adapter

Illustration	Tool Number/Description
	CH-39021-460 J-39021-460 Fuel Injector Test Adapter

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Illustration	Tool Number/Description
	CH-41415-30 GE-41415-30 J-41415-30 Fuel Tank Cap Adapter

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Illustration	Tool Number/Description
	CH-41769 J-41769 Fuel Line Quick Disconnect Tool
	CH-44284-2 J-44284-2 Fuel Flapper Door Holder

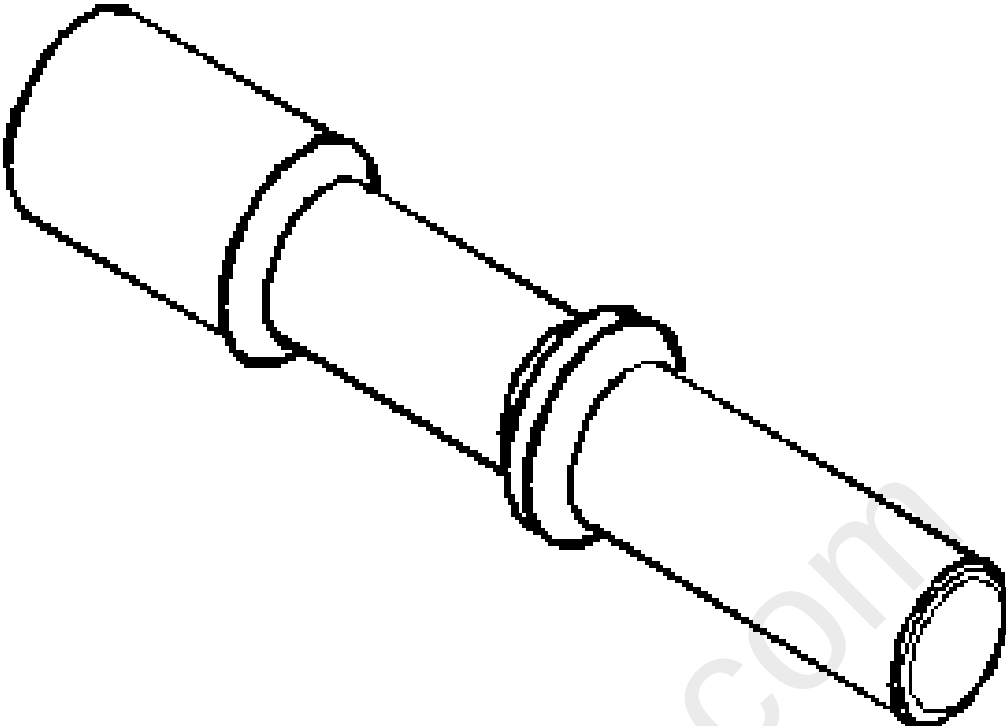
Illustration	Tool Number/Description
	

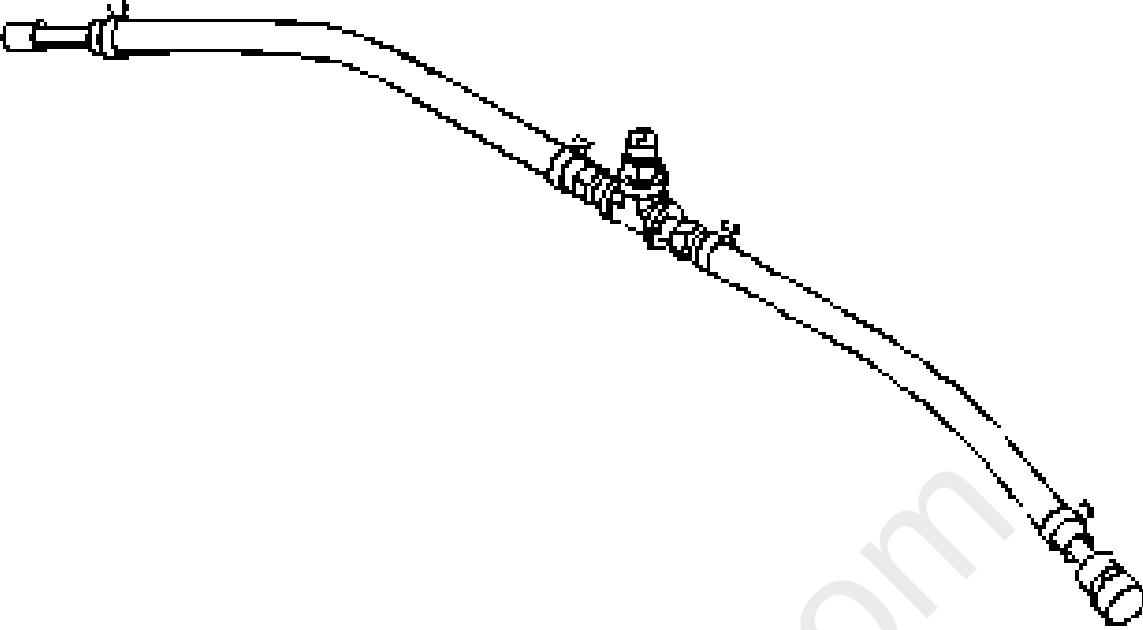
Illustration	Tool Number/Description
	CH-42982 J-42982 Fuel Pressure Gauge Adapter

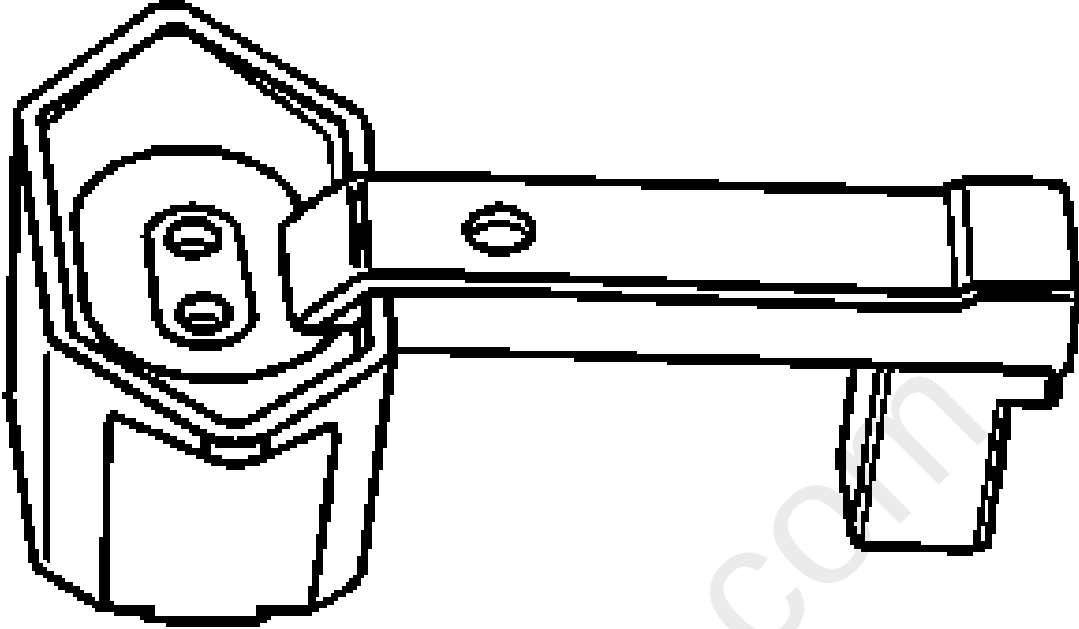
Illustration	Tool Number/Description
	CH-44175-A J-44175-A Fuel Composition Tester

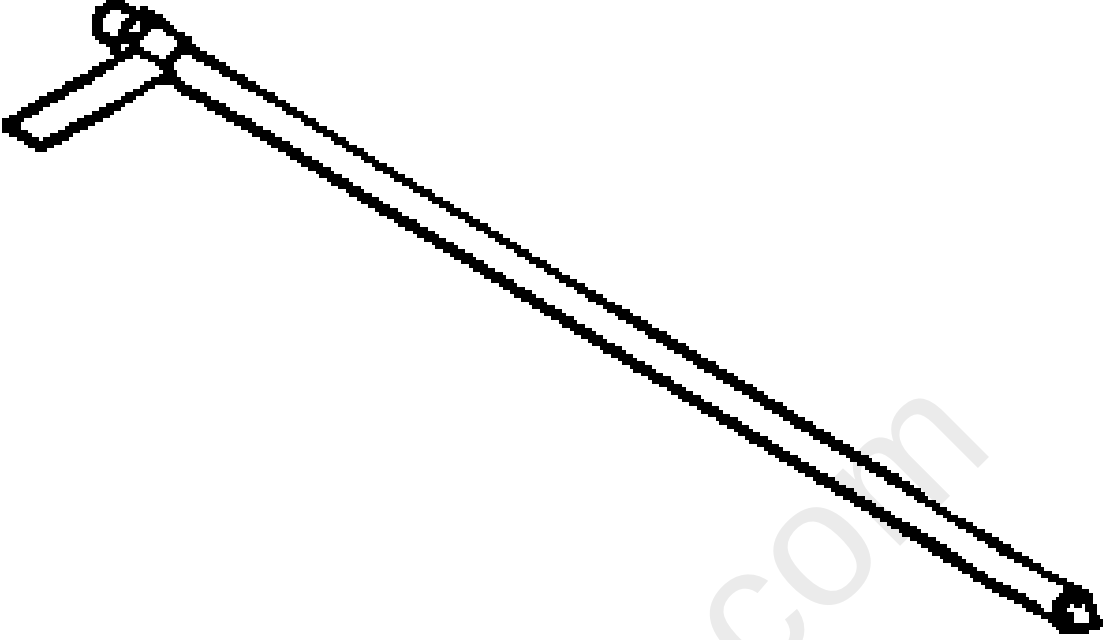
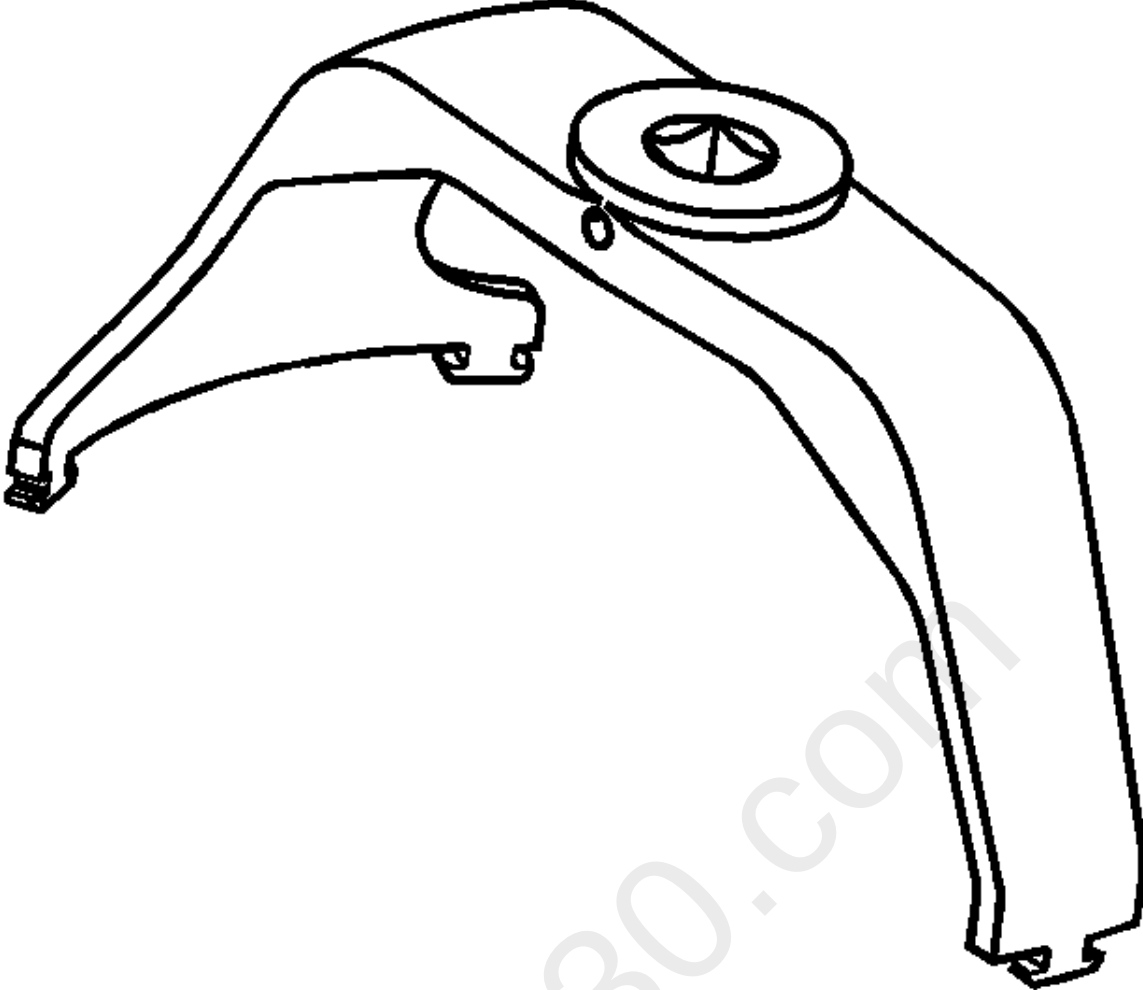
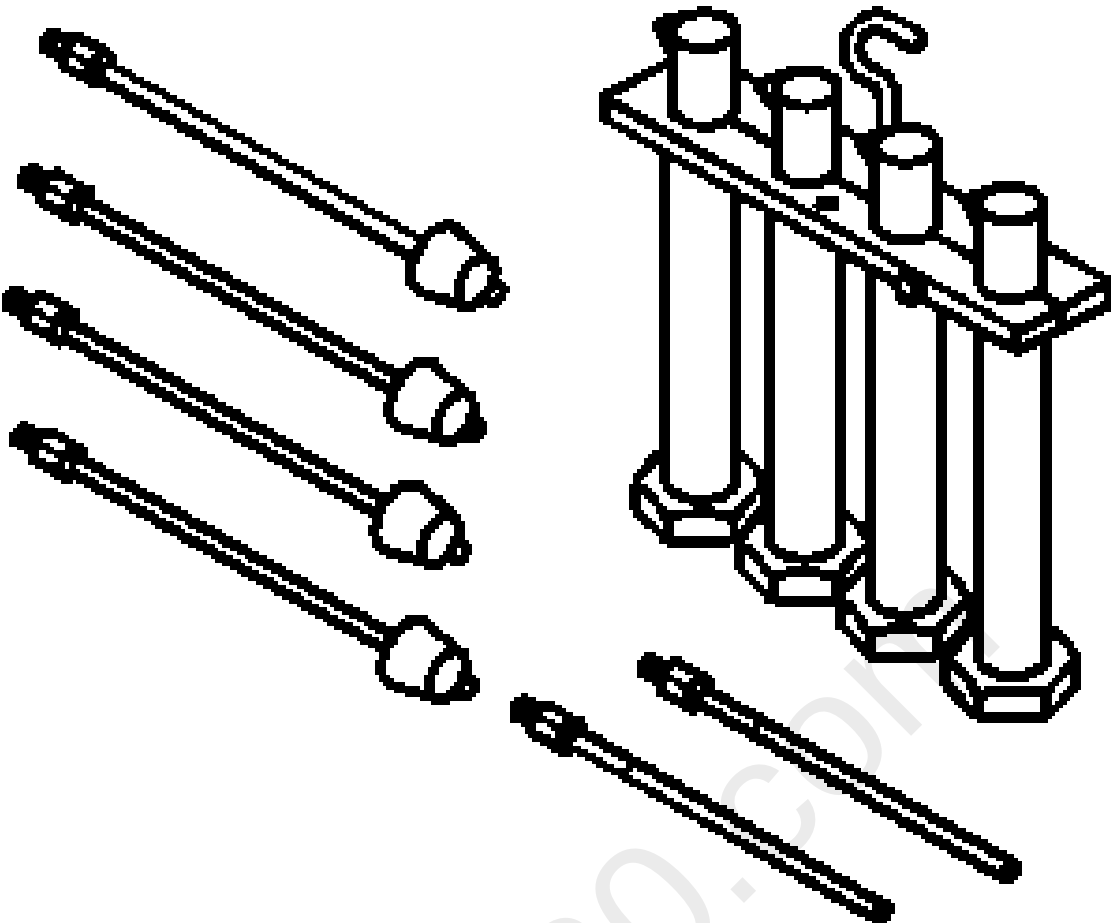
Illustration	Tool Number/Description
	CH-45004 J-45004 Fuel Tank Drain Hose

Illustration	Tool Number/Description
	CH-45722 J-45722 Fuel Sender Lock Ring Wrench

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Illustration	Tool Number/Description
	CH-45873 J-45873 Fuel Return Volume Test Kit

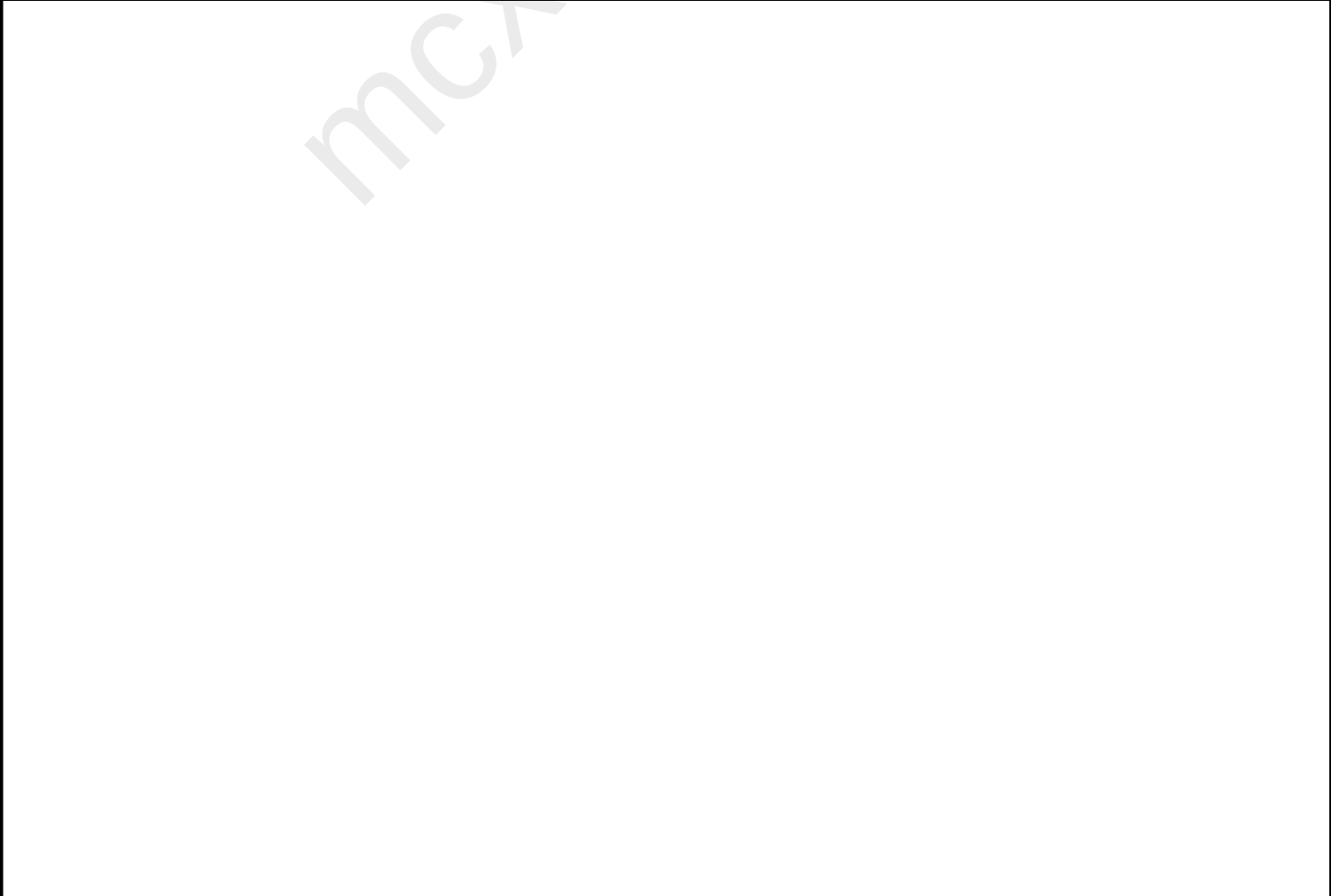
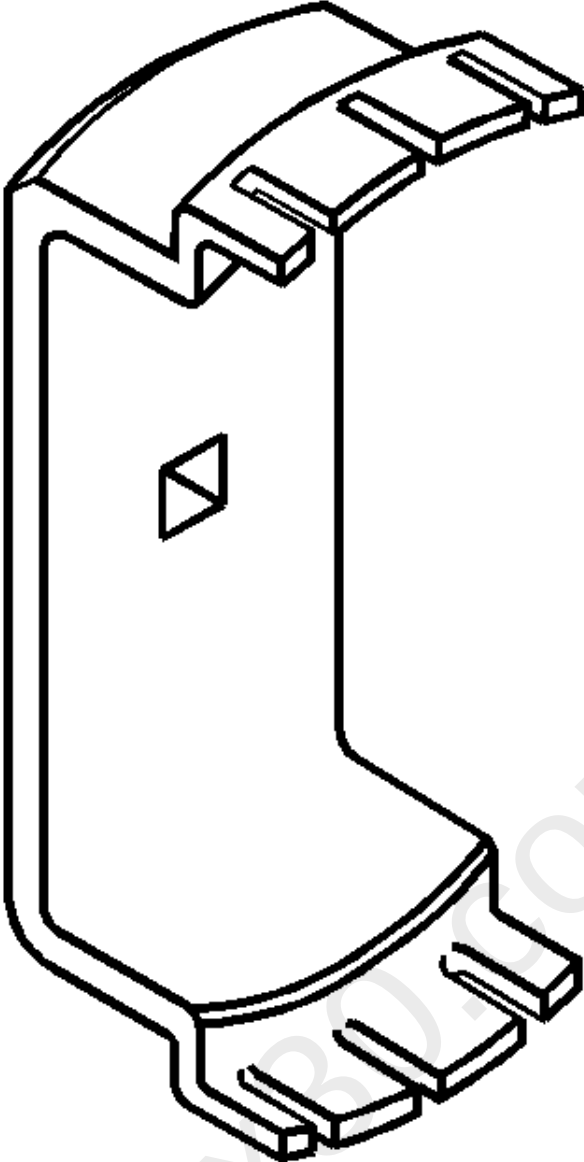
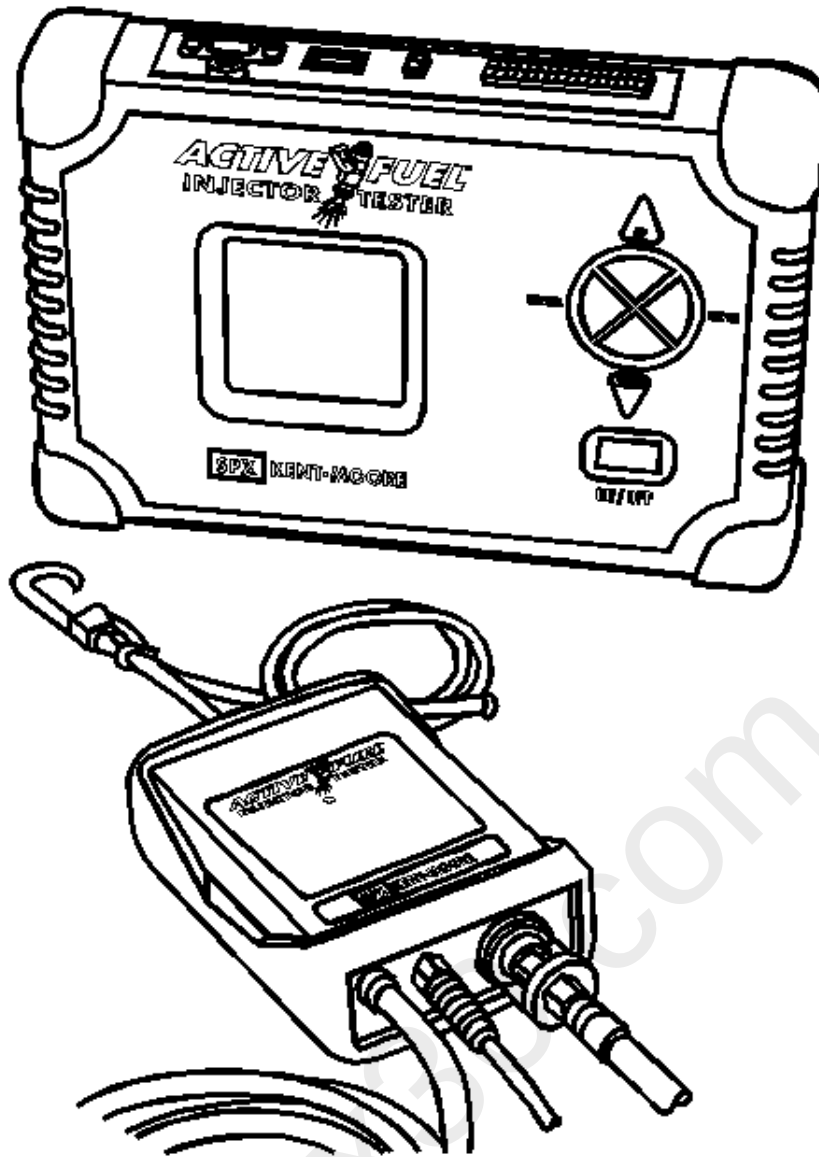
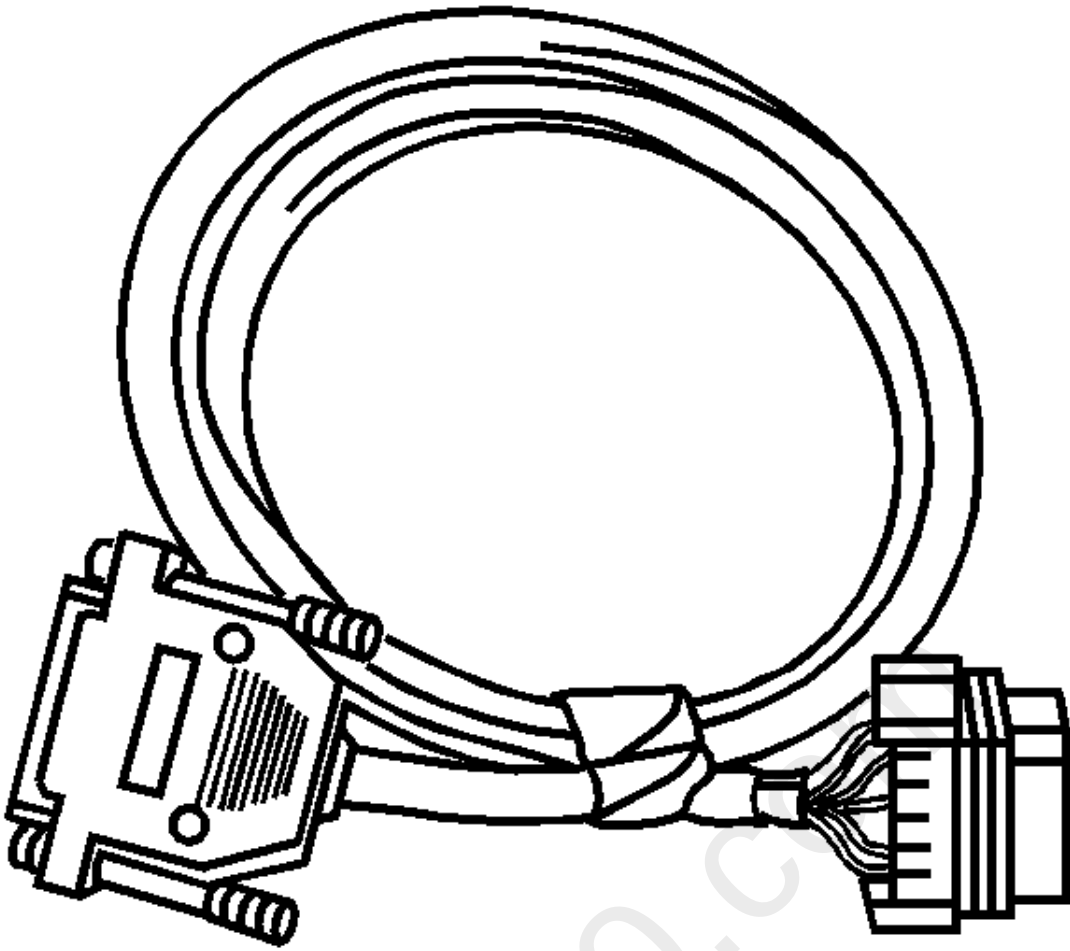


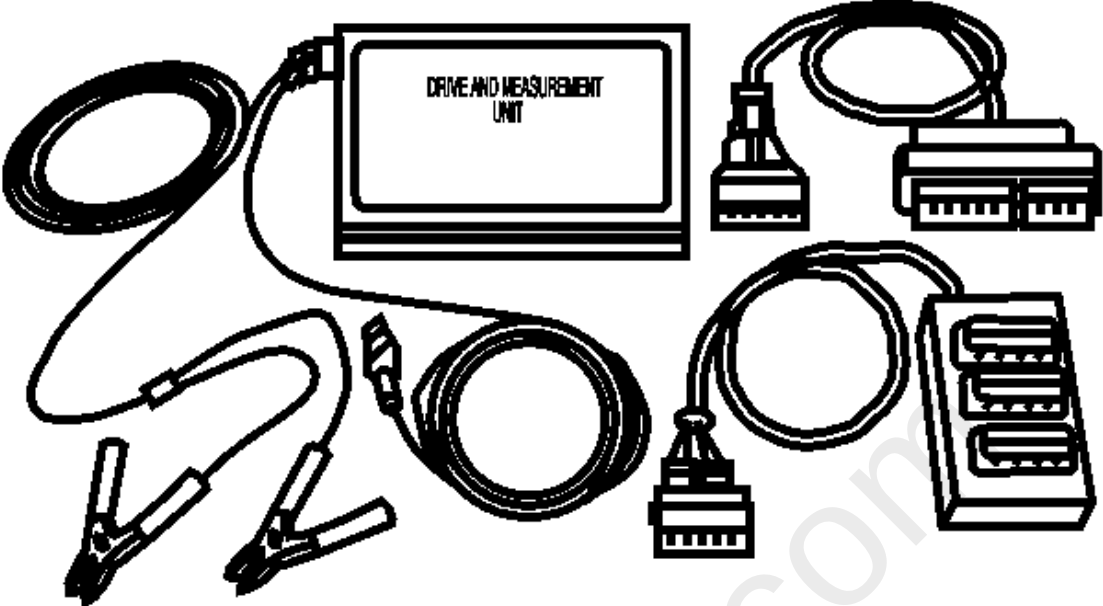
Illustration	Tool Number/Description
	CH-47717 Lock Ring Wrench



CH-47976
Active Fuel Injector
Tester (AFIT)

Illustration	Tool Number/Description
	CH-47976-75 Fuel Injector Harness Adapter

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Illustration	Tool Number/Description
	CH-47976-500A Active Fuel Injection Tester (AFIT) SIDI Adapter Kit

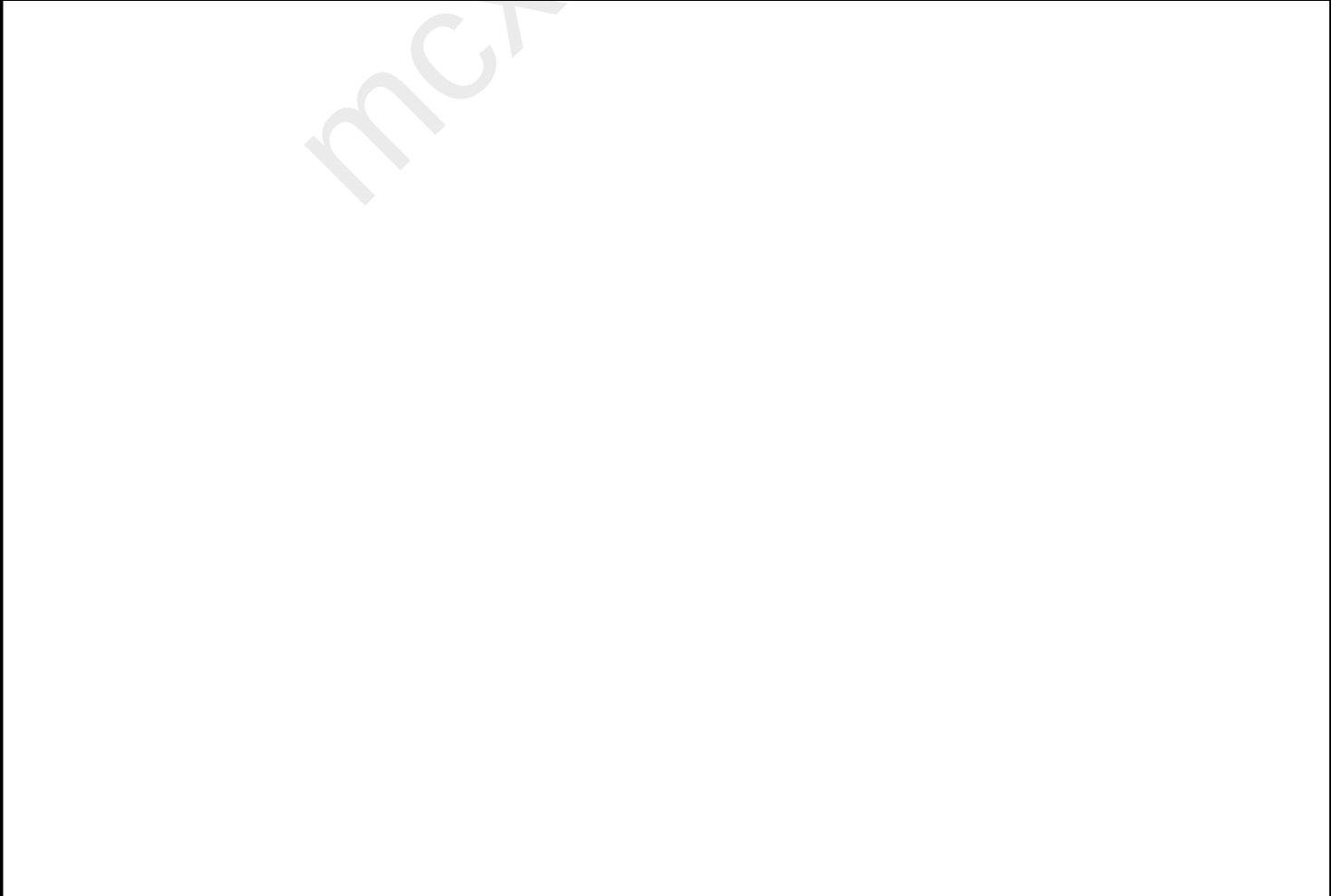


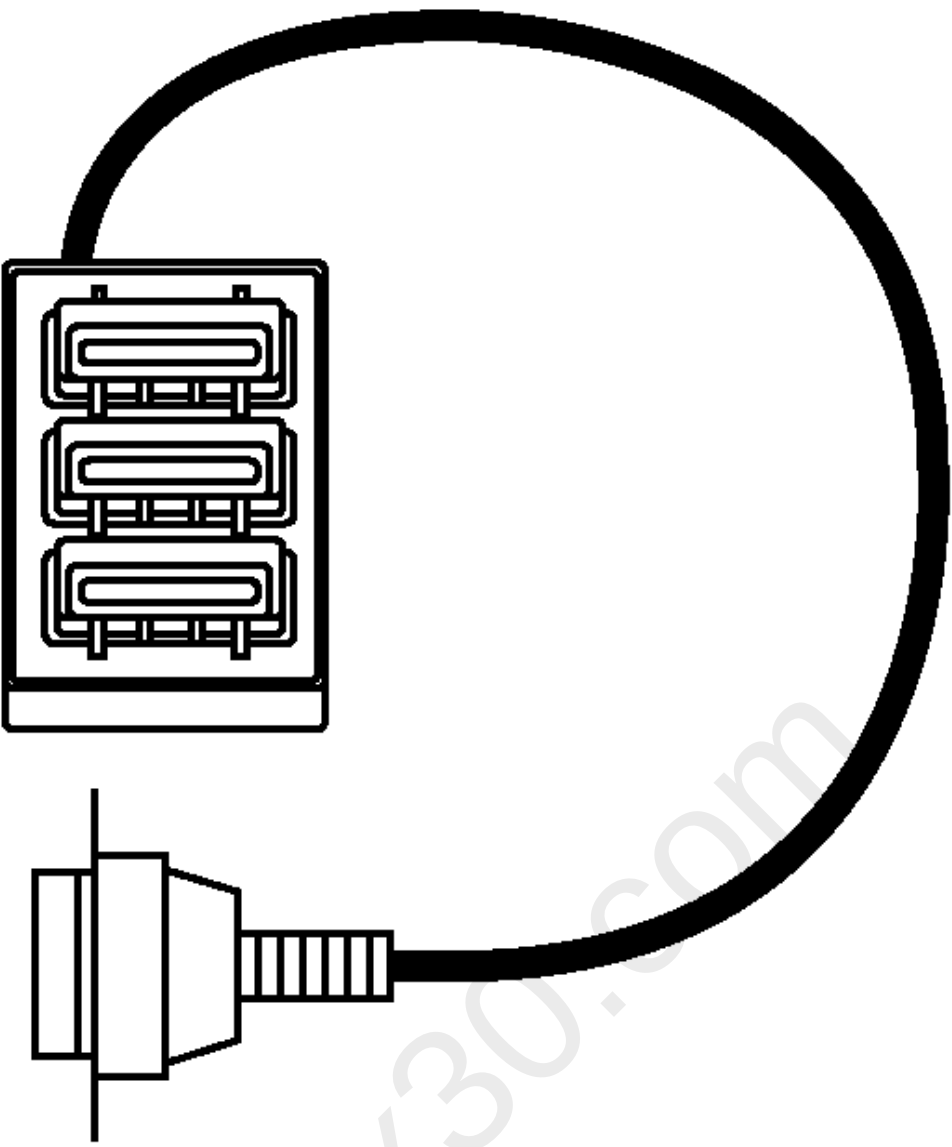
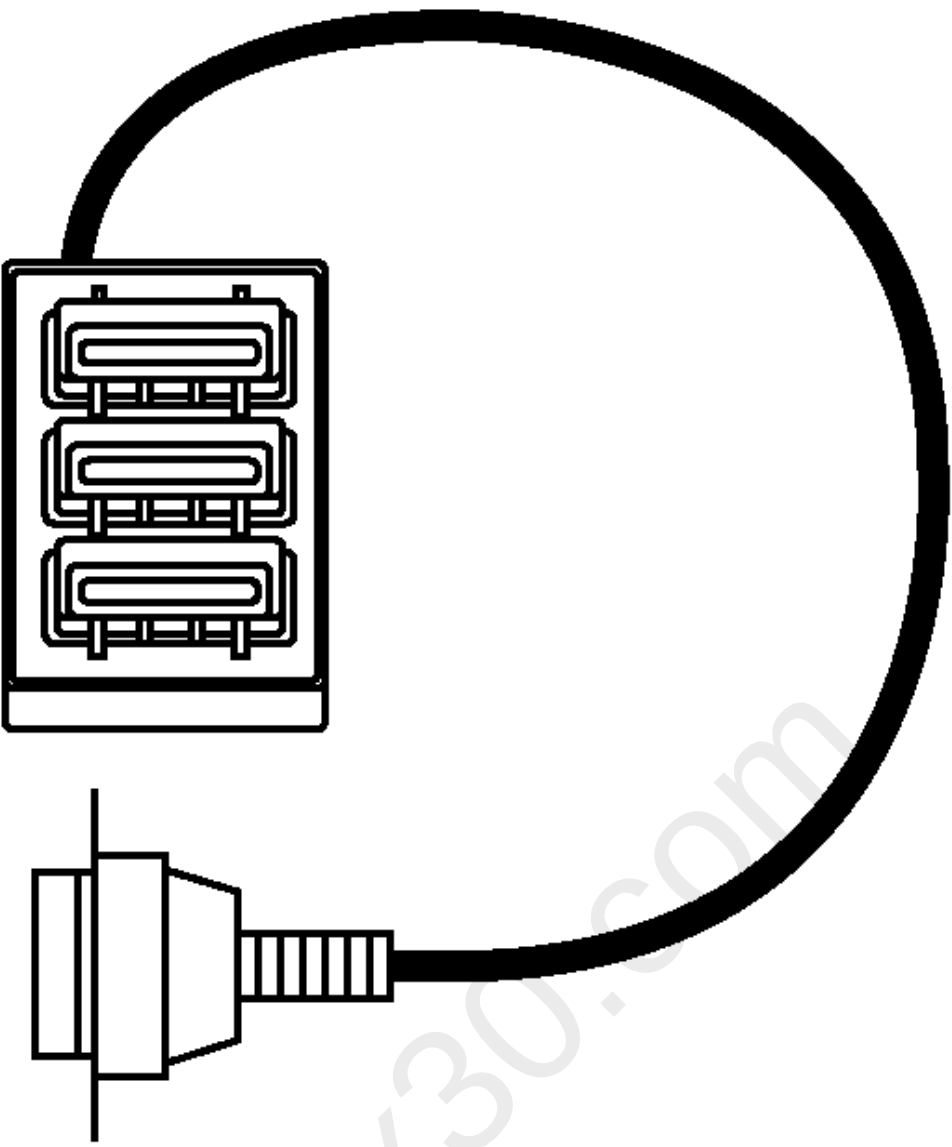
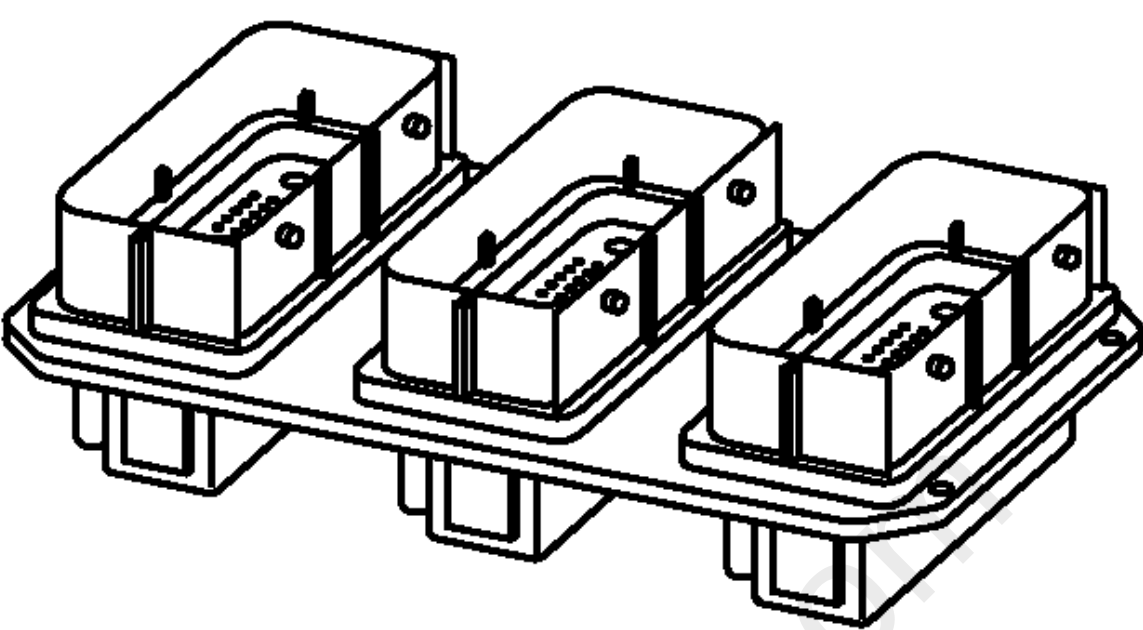
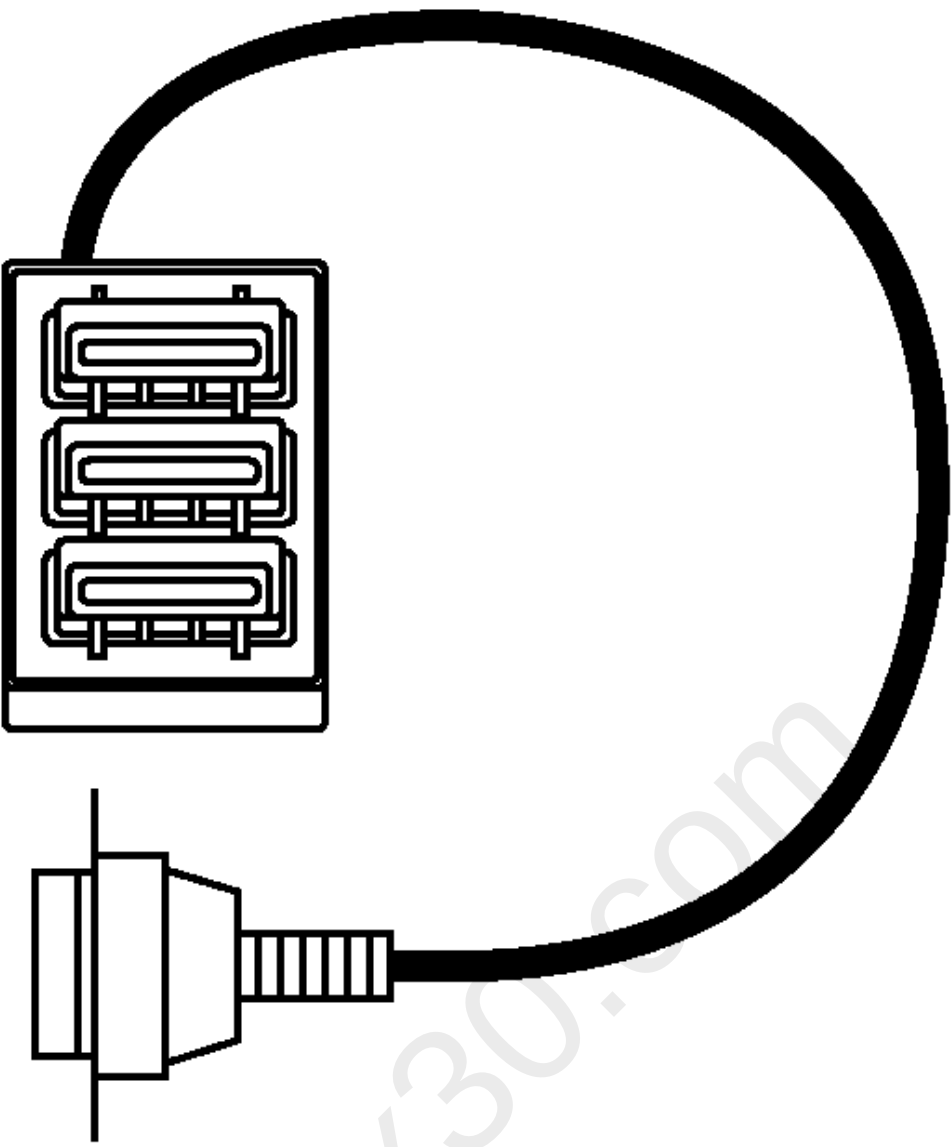
Illustration	Tool Number/Description
 The illustration shows a cable assembly. On the left is a rectangular multi-pin connector with three rows of pins. A thick, black, circular cable loops from the top of this connector to a smaller, cylindrical connector on the right. The smaller connector has a flared base and a series of vertical ridges. A faint watermark 'mcx30.com' is visible across the lower half of the illustration.	CH-47976-502A AFIT SIDI E92 G2A Adapter Cable

Illustration	Tool Number/Description
	CH-47976-503 AFIT SIDI E80 G3 Adapter Cable

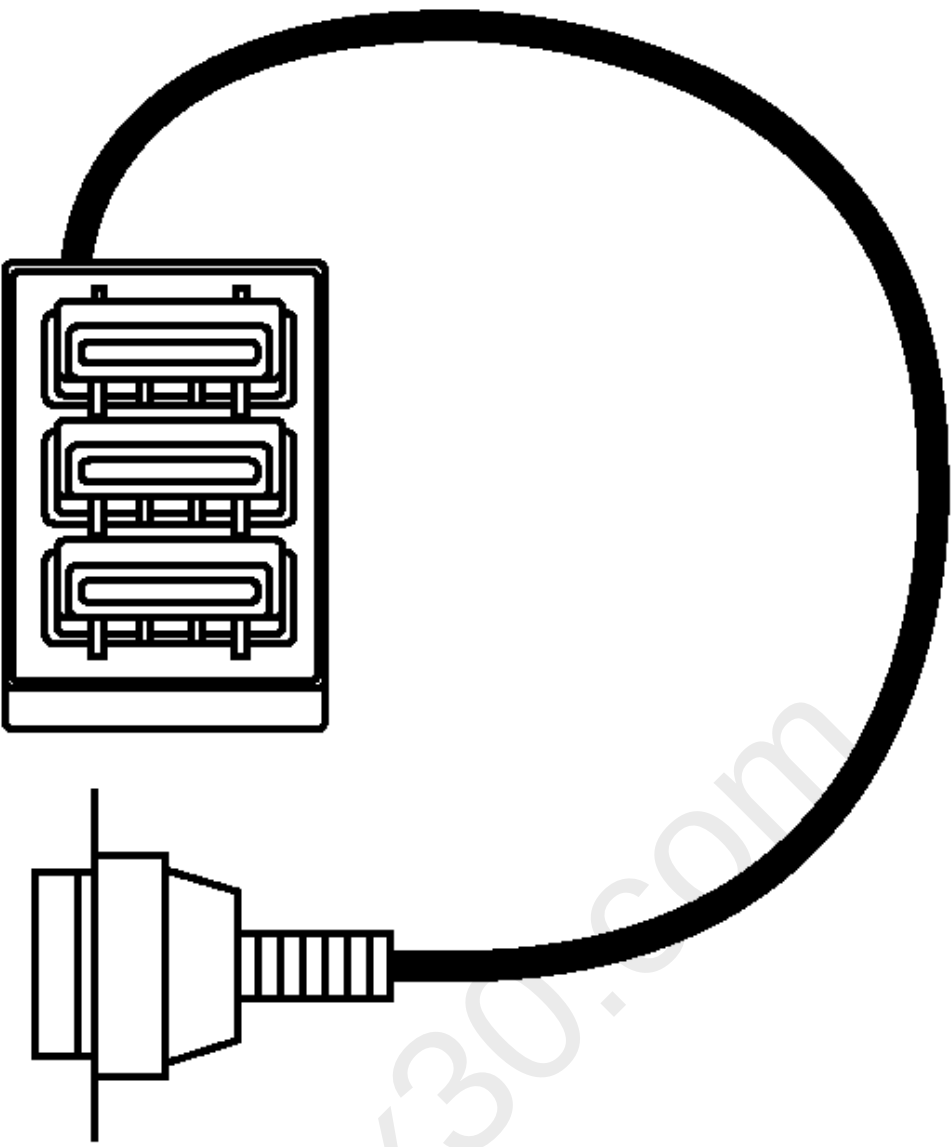
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Illustration	Tool Number/Description
	CH-47976-504 E92/E39A G2B Start/Stop Adapter

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Illustration	Tool Number/Description
 The diagram shows a cable assembly. On the left is a rectangular connector housing containing three stacked, multi-pin connectors. A thick black cable originates from the top of this housing, forms a large circular loop, and then terminates in a different connector on the right. This second connector has a cylindrical body with a flange and a series of vertical ridges or a braided shield section before the cable ends.	CH-47976-509 AFIT SIDI E81 G4 Adapter Cable

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Illustration	Tool Number/Description
 The diagram shows a cable assembly. On the left, there is a rectangular connector housing containing three stacked, multi-pin connectors. A thick black cable originates from the top of this housing, forms a large circular loop, and then terminates in a different connector on the right. This second connector has a cylindrical body with a flange and a series of vertical ridges or a braided shield section before the cable ends.	CH-47976-511 AFIT SIDI E82 G5 Adapter Cable

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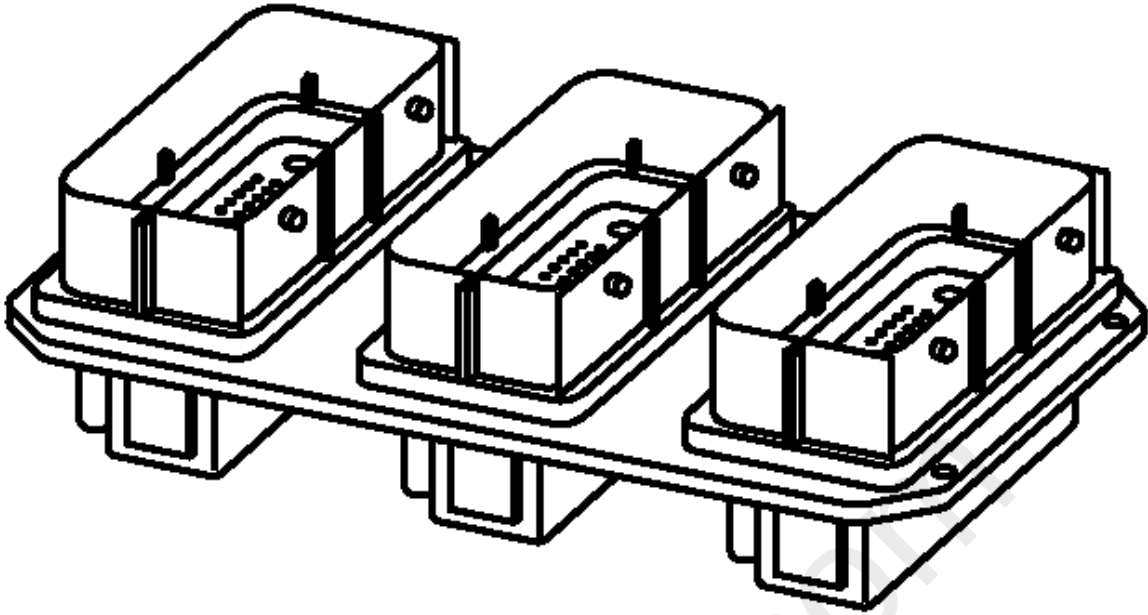
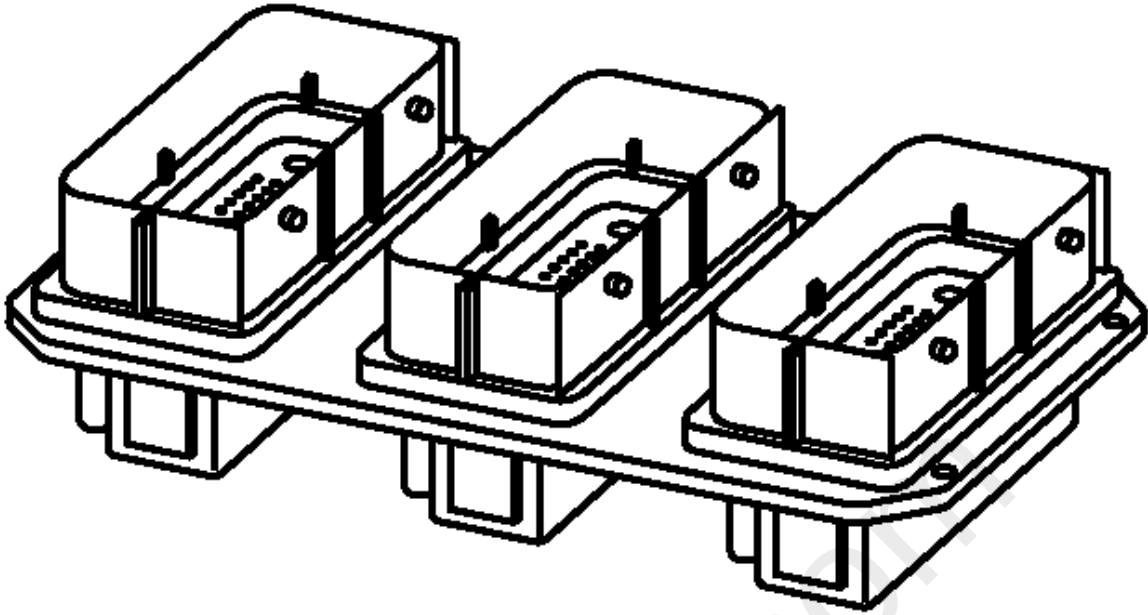
Illustration	Tool Number/Description
 The illustration shows three identical E80 G3B Stop/Start Adapters mounted side-by-side on a common base. Each adapter consists of a rectangular block with a central slot containing a series of pins. The base has three mounting points, one for each adapter. A large, faint watermark 'mcx30.com' is visible across the bottom half of the image.	CH-47976-512 E80 G3B Stop/Start Adapter

Illustration	Tool Number/Description
	CH-47976-513 E92 G2C Stop/Start and SENT Adapter

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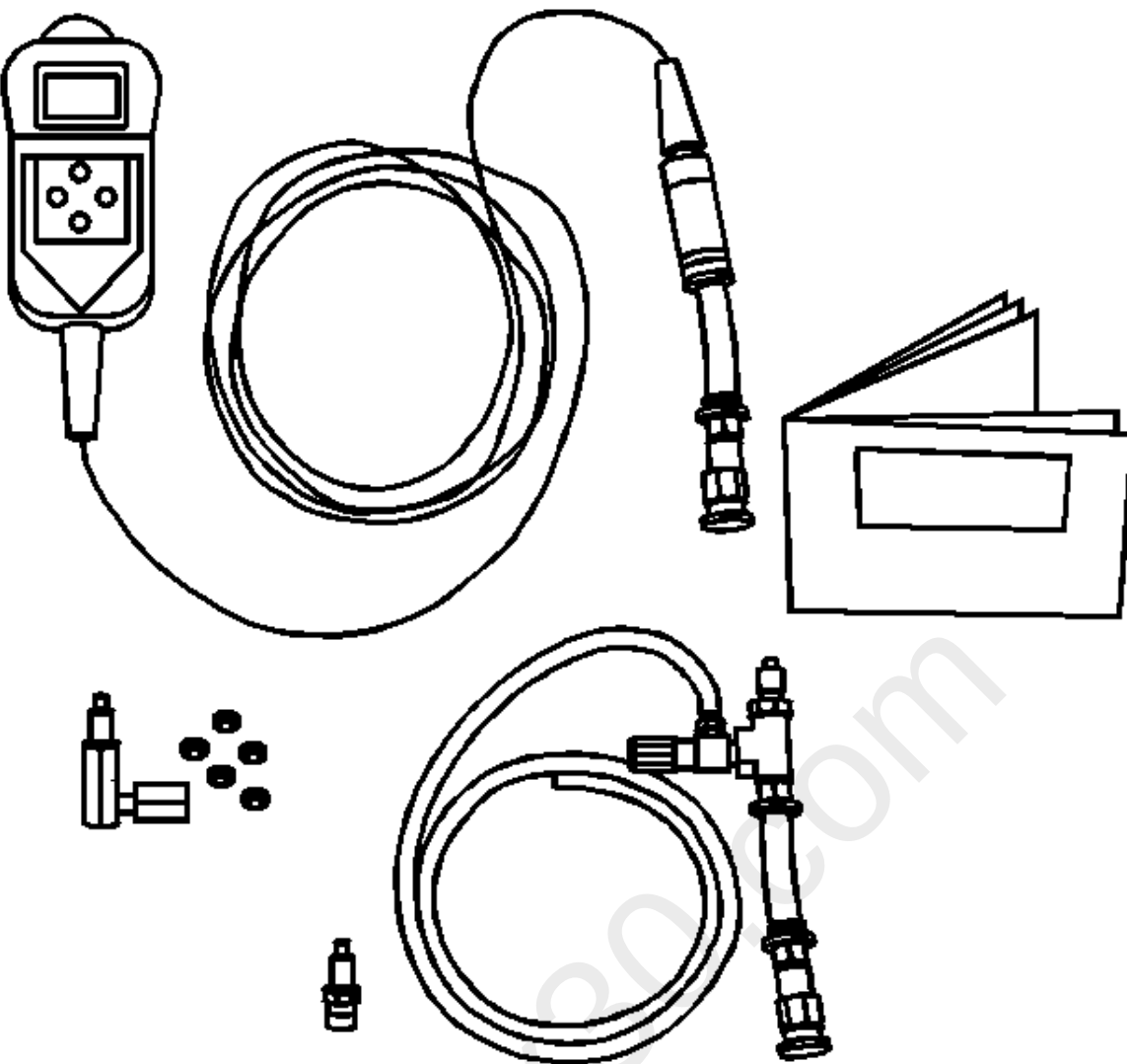
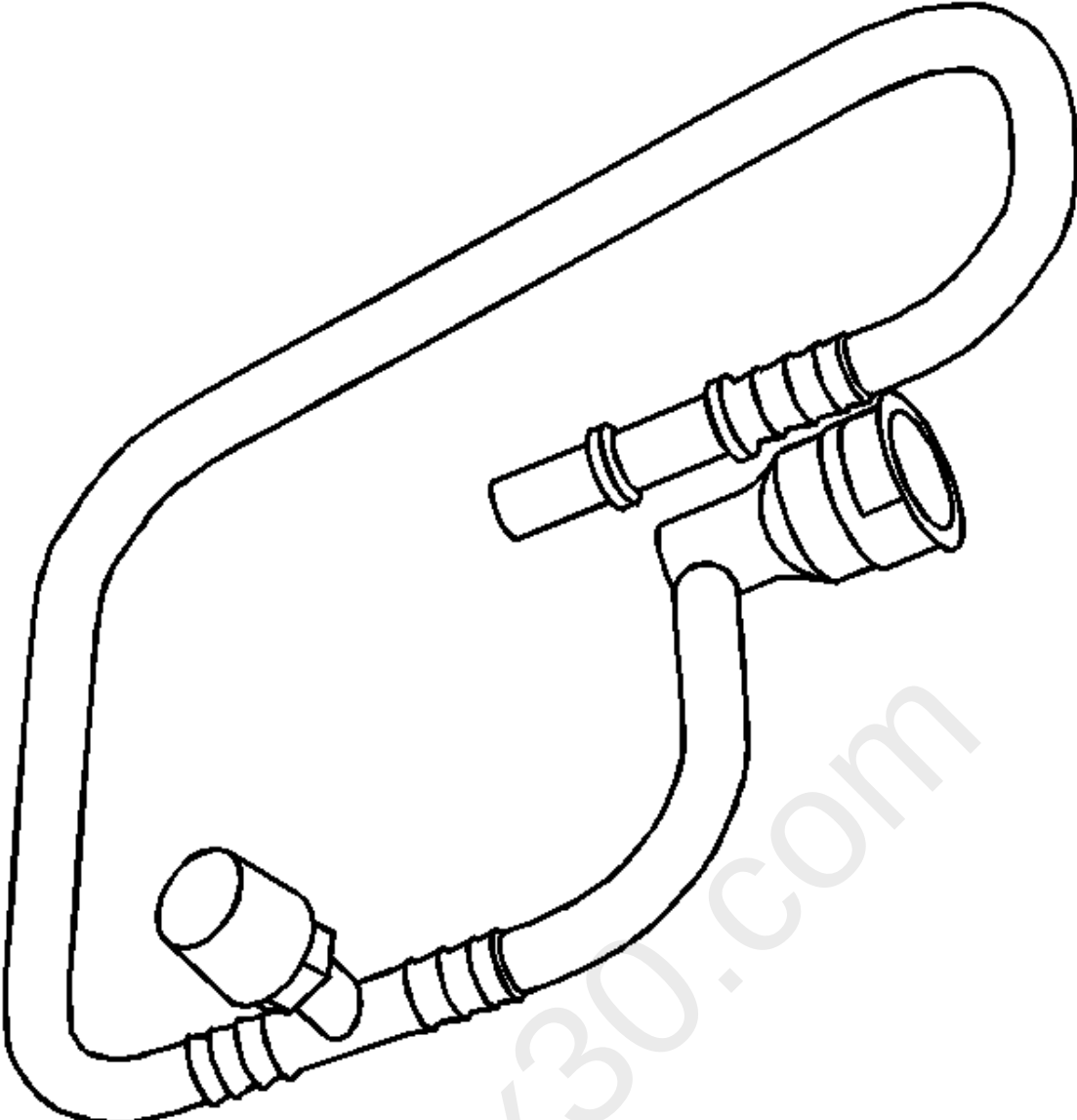
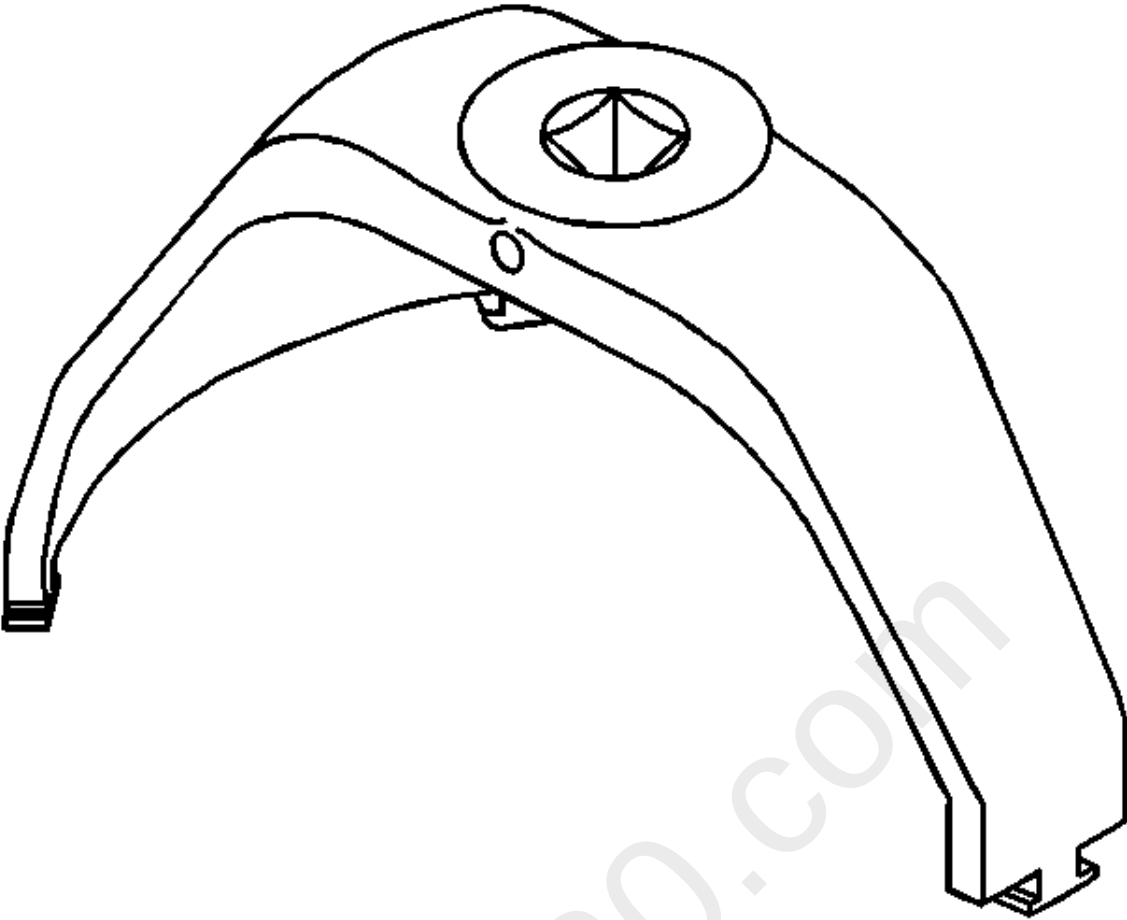
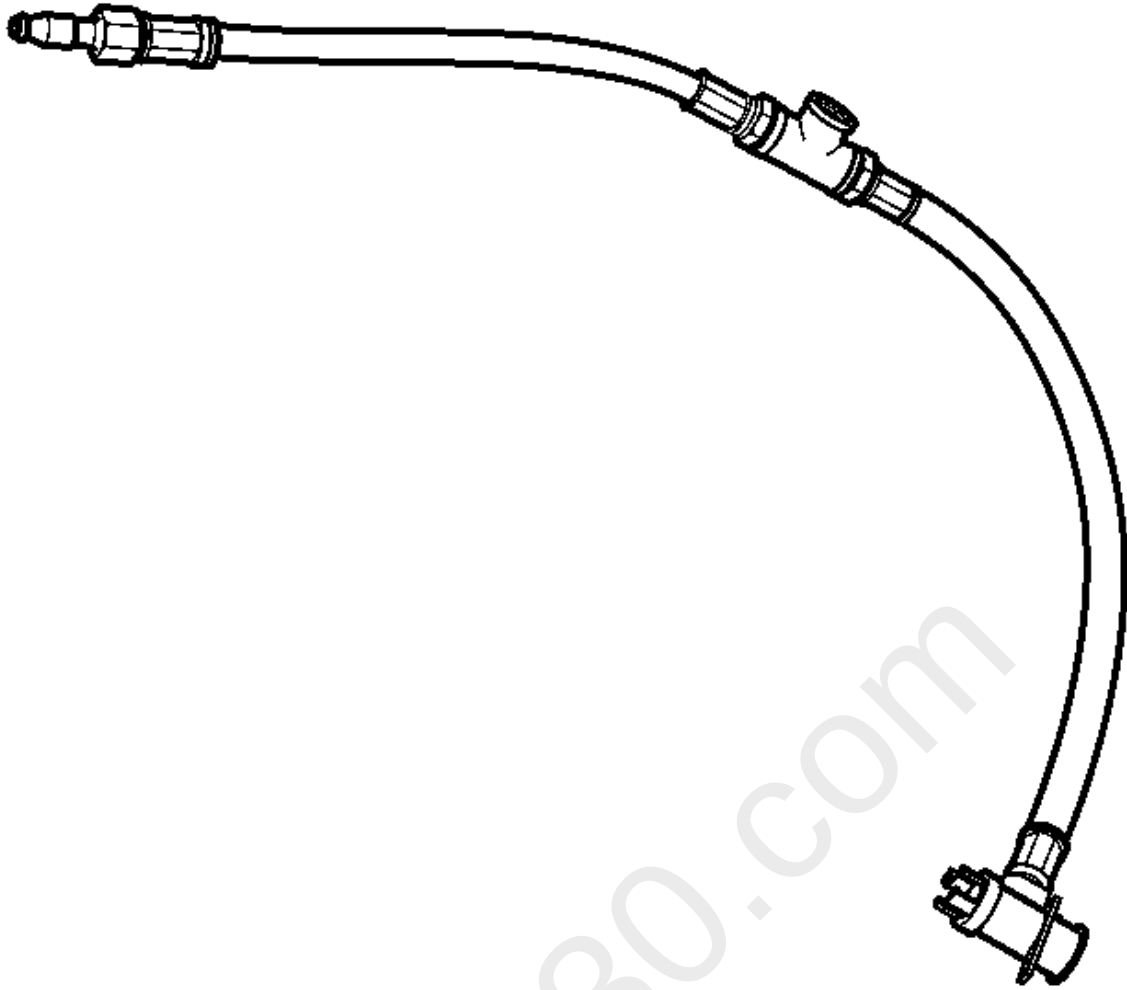
Illustration	Tool Number/Description
 The illustration shows the components of the CH-48027 Fuel Pressure Gauge. It includes a digital gauge with a coiled hose and a pressure fitting, a separate coiled hose with a pressure fitting, a set of four O-rings, a small connector, and a carrying case.	CH-48027 Fuel Pressure Gauge

Illustration	Tool Number/Description
 A line drawing of a U-shaped automotive hose. The hose has two different fittings. One end has a larger, flared fitting with a central port and a side port. The other end has a smaller, standard hose fitting. The hose is shown in a U-shape, with a diagonal watermark 'mcx30.com' across the lower half.	CH-48096 EVAP Service Access Port Tool

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Illustration	Tool Number/Description
 A line drawing of a fuel sender lock ring wrench. The tool is curved, resembling a large 'C' shape. At the top center, there is a circular opening with a cross-shaped internal structure. A small pin or screw is visible near the top of the curve. The right end of the tool has a notched, rectangular profile. A diagonal watermark 'mcx30.com' is visible across the lower half of the illustration.	CH-48482 Fuel Sender Lock Ring Wrench

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Illustration	Tool Number/Description
	CH-50375 Diesel Injector Return Line Pressure Adapter

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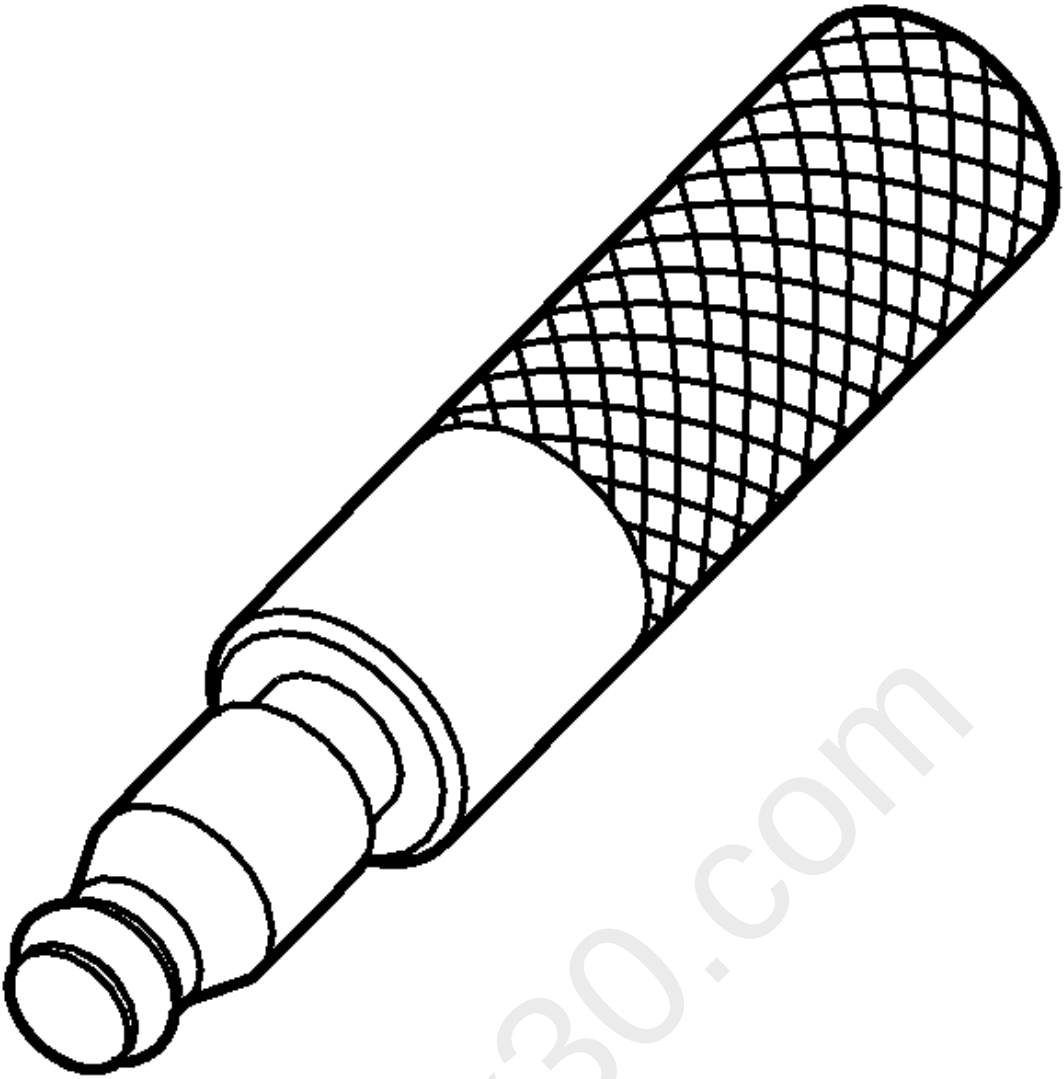
Illustration	Tool Number/Description
 A technical line drawing of a cylindrical tool, likely a cap or plug. The tool features a long, tapered body with a knurled (cross-hatched) grip section at the rear. The front section is cylindrical and has a threaded end with a hexagonal base. A diagonal watermark 'mcx30.com' is visible across the lower half of the illustration.	CH-50377-A Injector Return Line Cap

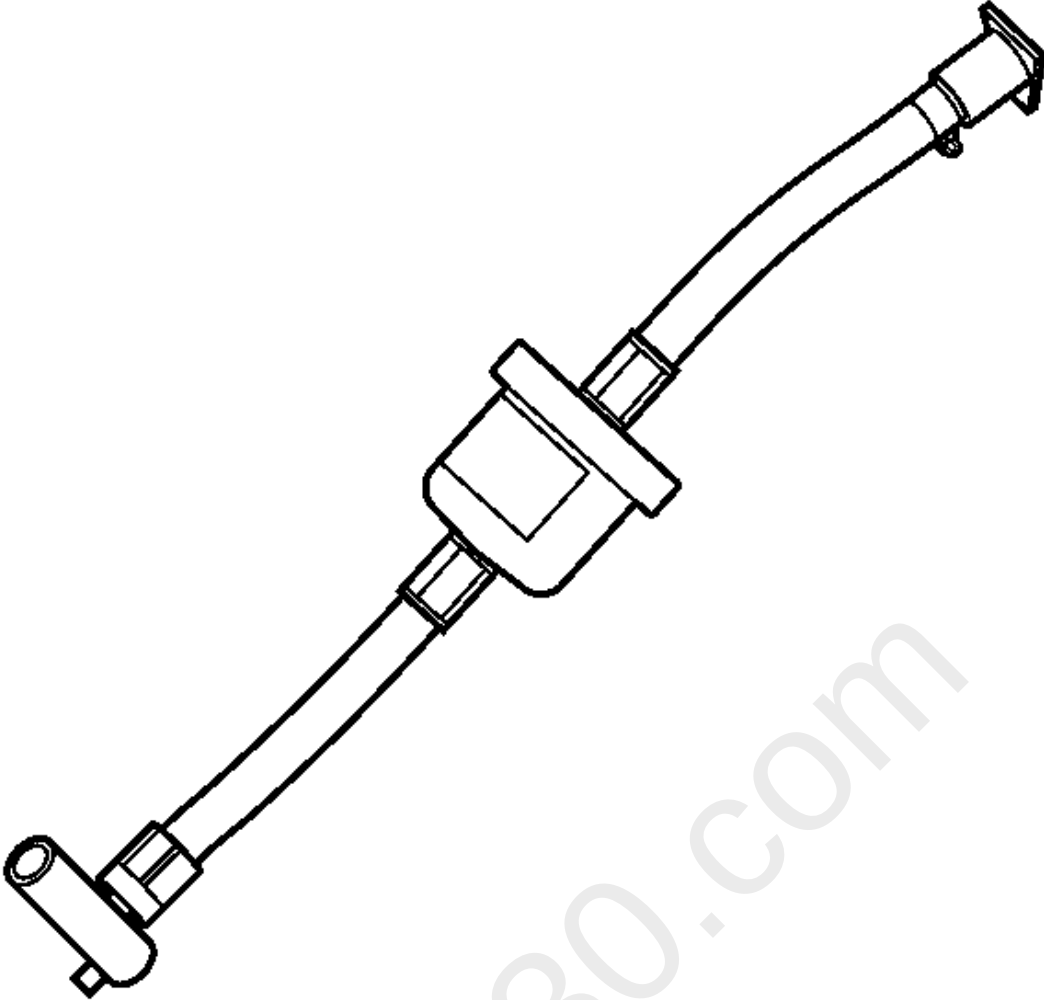
Illustration	Tool Number/Description
	CH-50378 Injector Return Leakage Test Adapter

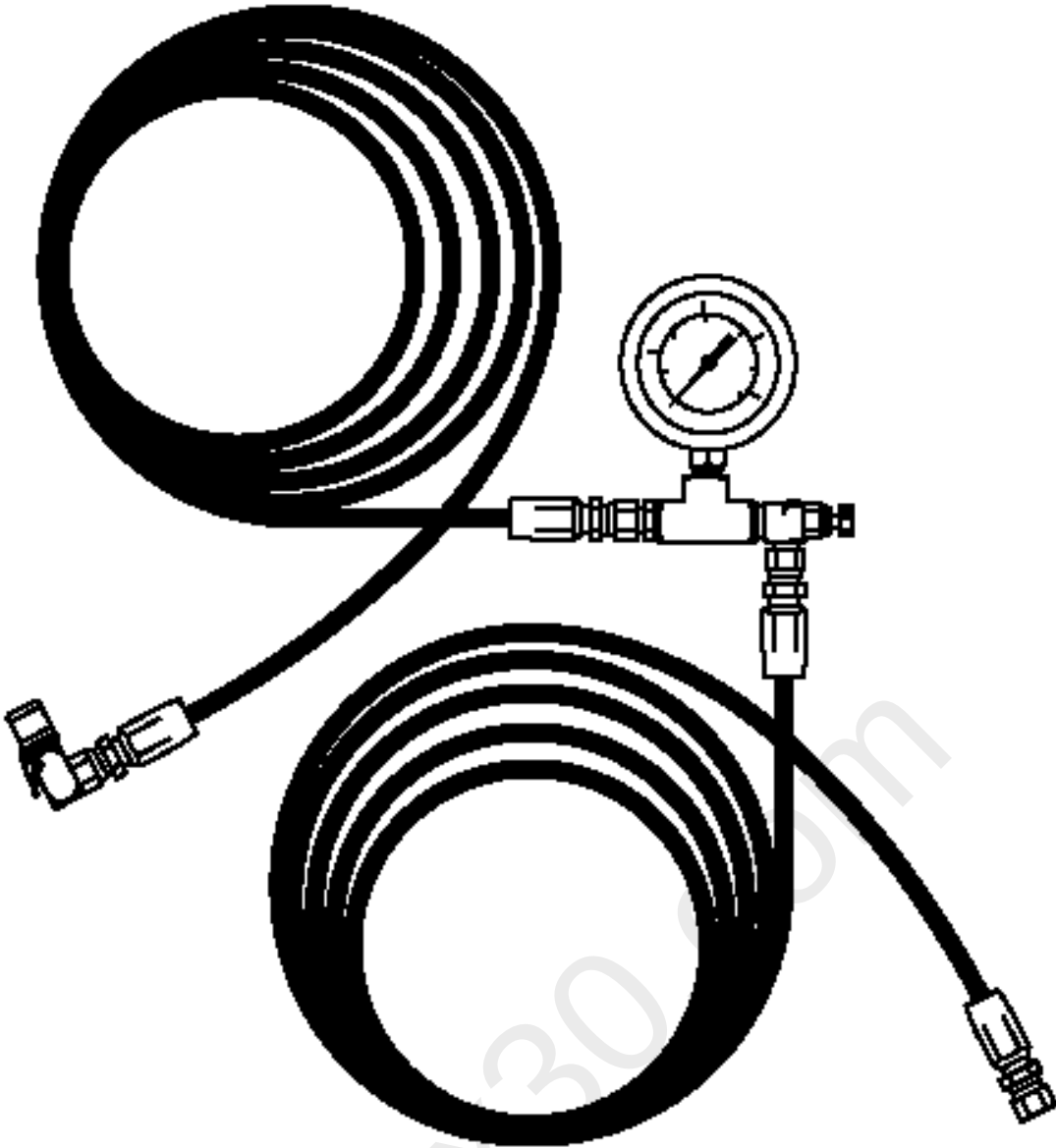
Illustration	Tool Number/Description
	CH-50933 Gauge Assembly, Liquid Propane Gas (LPG)
	EL-26792 J-26792 HEI Spark Tester

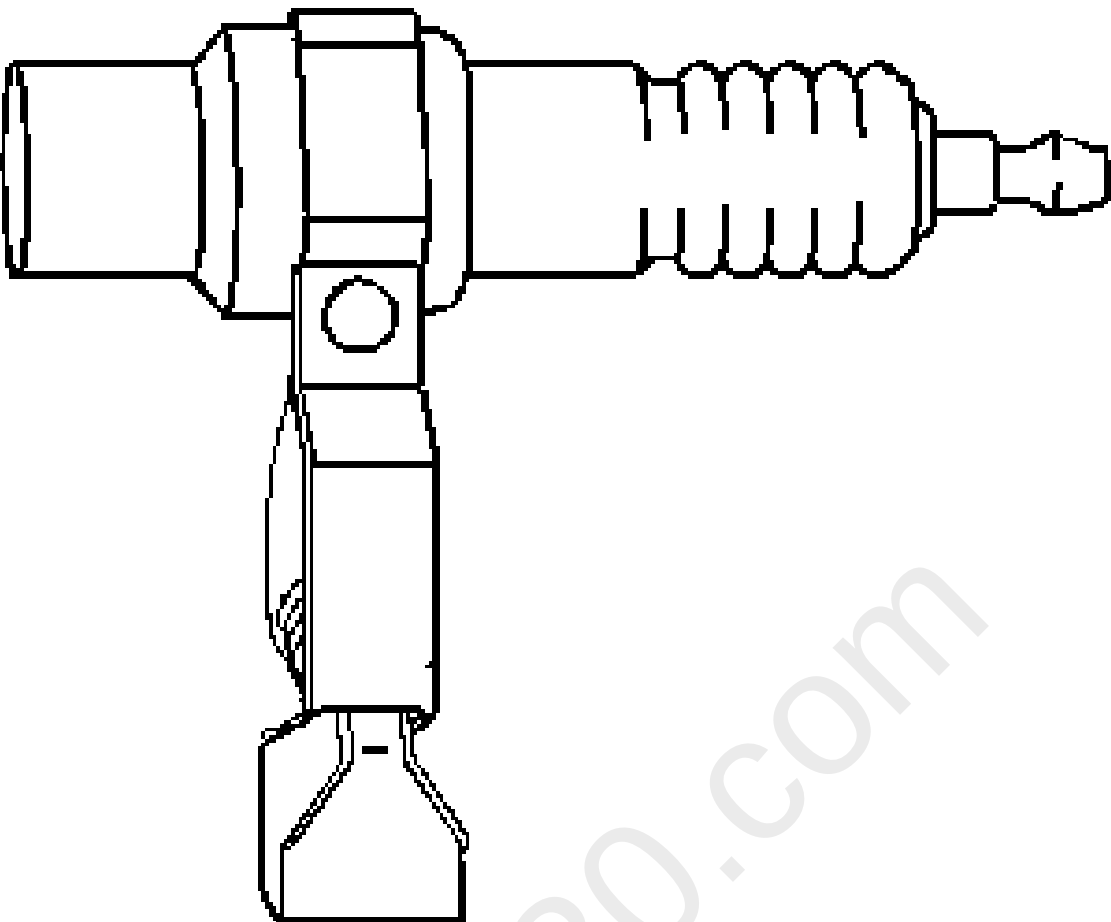
Illustration	Tool Number/Description
	
	EL-34730-405 J-34730-405 Injector Test Lamp

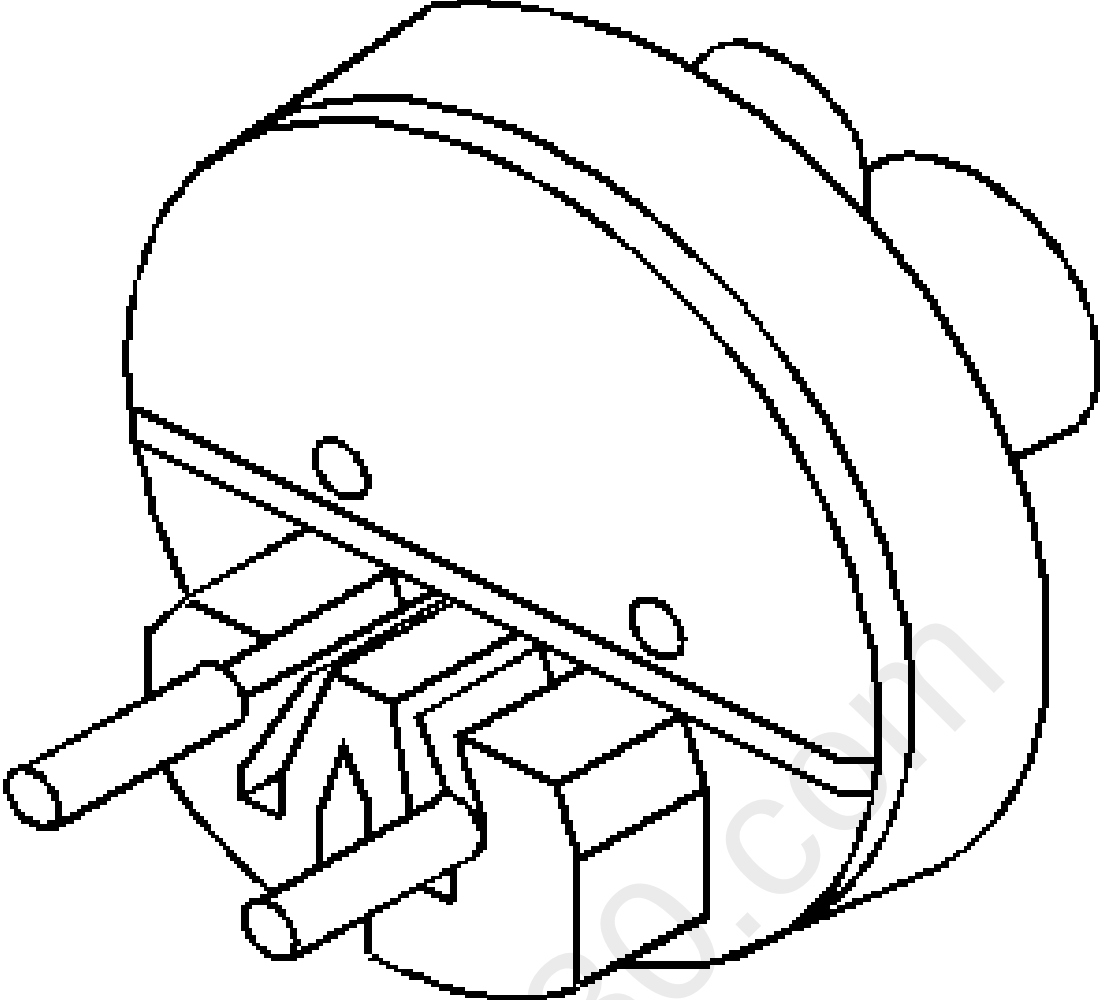
Illustration	Tool Number/Description
	

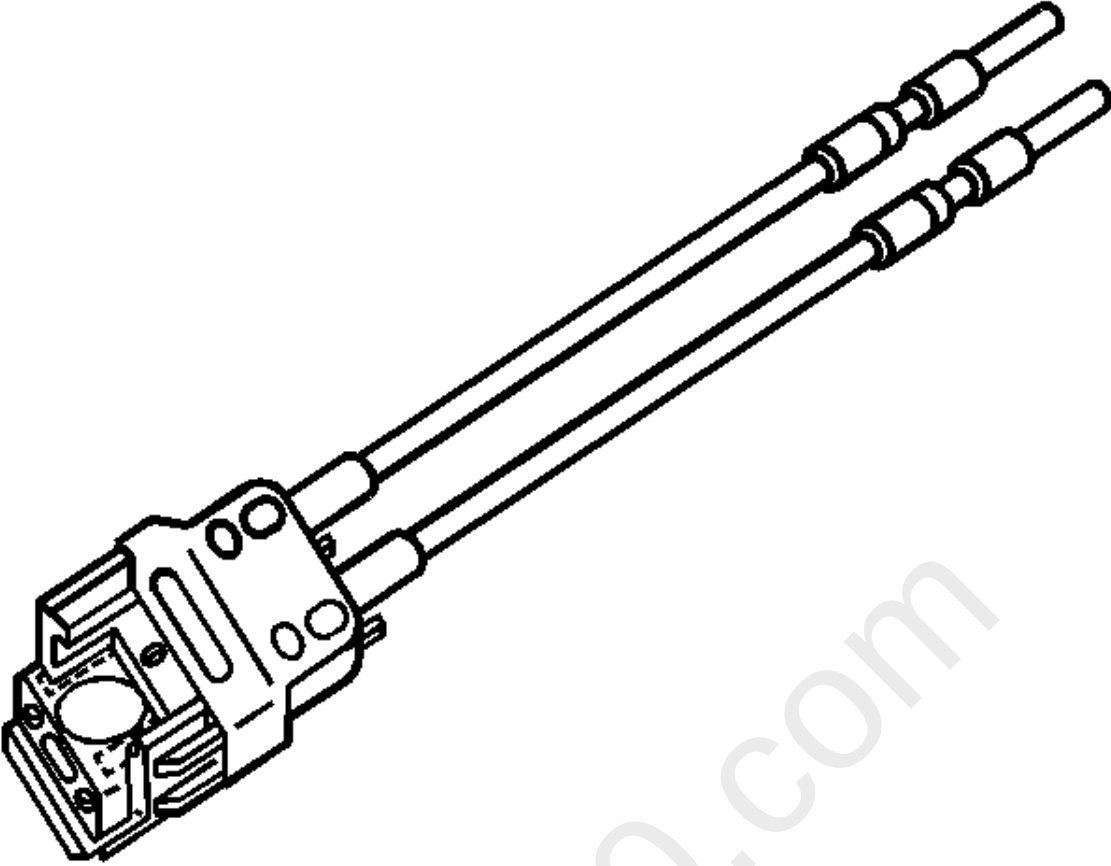
Illustration	Tool Number/Description
	EL-36169-HD Heavy Duty Fused Jumper
	EL-38522-A J-38522-A Variable Signal Generator

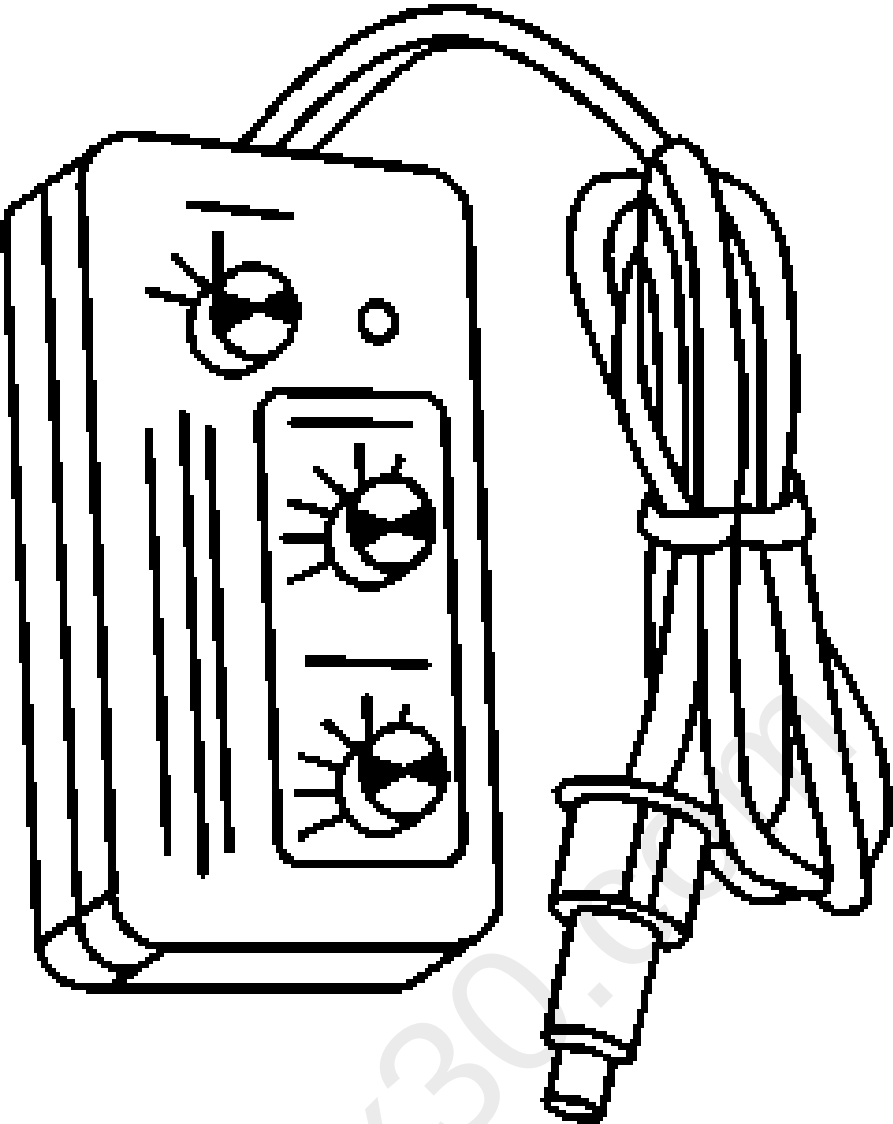
Illustration	Tool Number/Description
 A line drawing of a rectangular electronic device, possibly a power supply or a small amplifier. It has a front panel with three circular ports arranged vertically. The top port has a single horizontal line above it. The middle port has a horizontal line above and below it. The bottom port has a horizontal line above it. To the right of the top port is a small circular indicator or button. A coiled cable is connected to the top of the device, ending in a specialized connector with a cylindrical base and a pointed tip. A diagonal watermark 'mcx30.com' is visible across the image.	

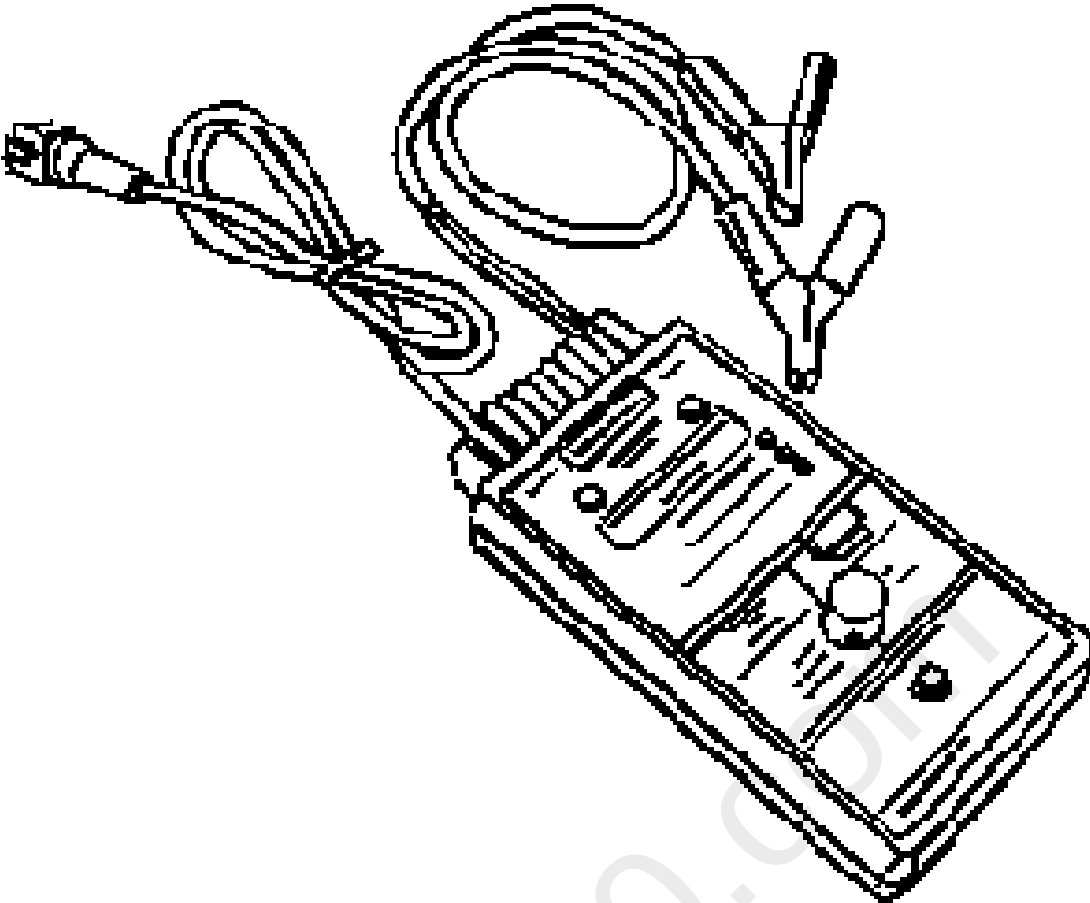
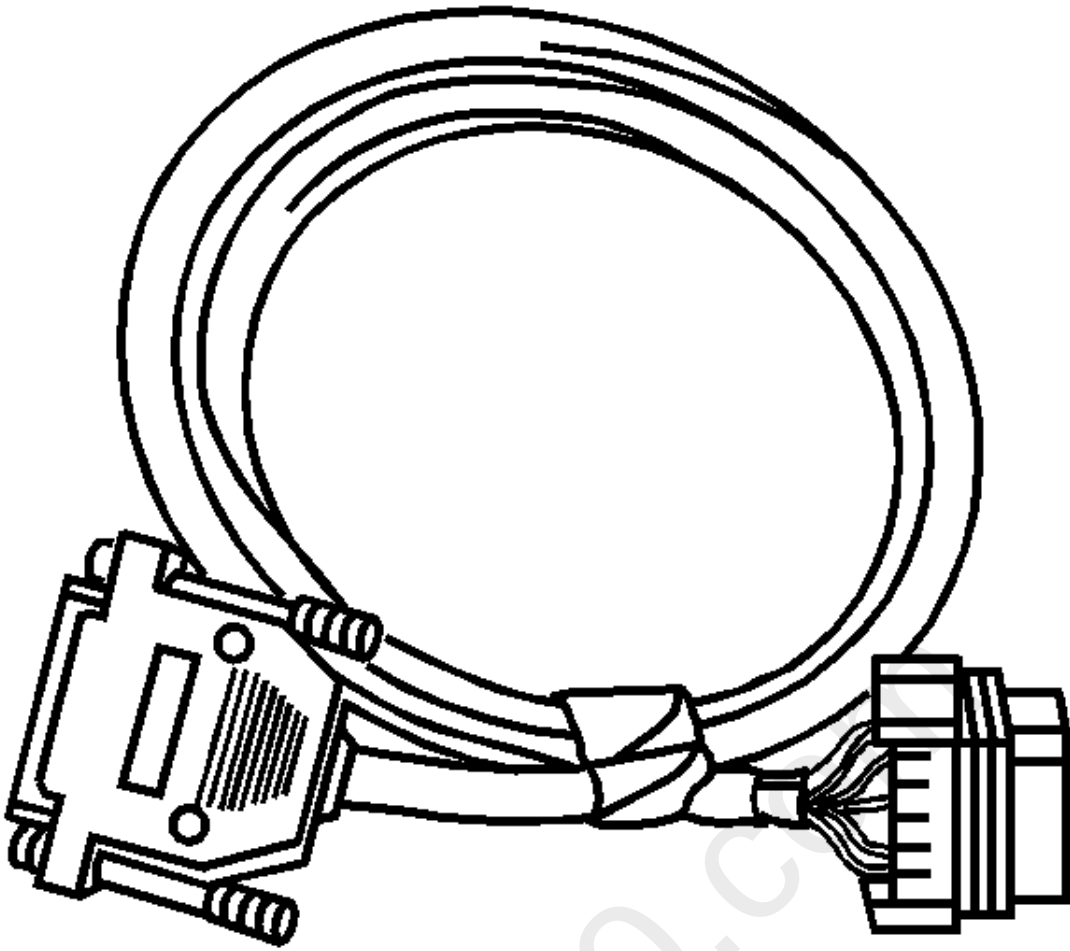
Illustration	Tool Number/Description
	EL-39021 J-39021 Fuel Injector Coil Balance Tester

Illustration	Tool Number/Description
	EL-39021-460 J-39021-460 Fuel Injector Test Adapter

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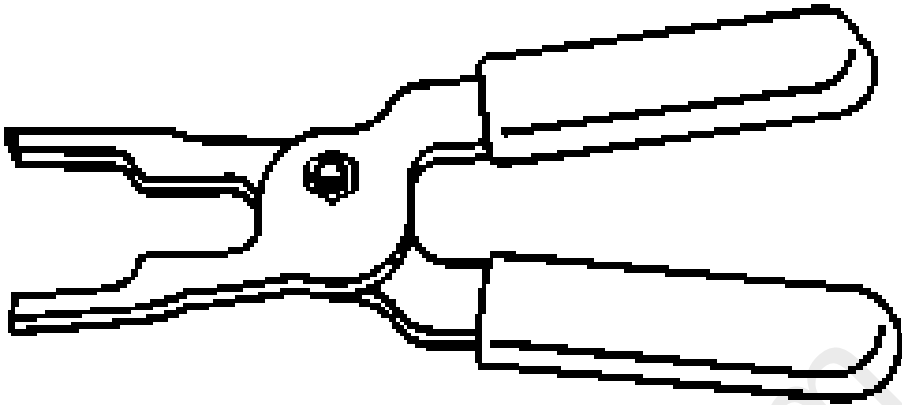
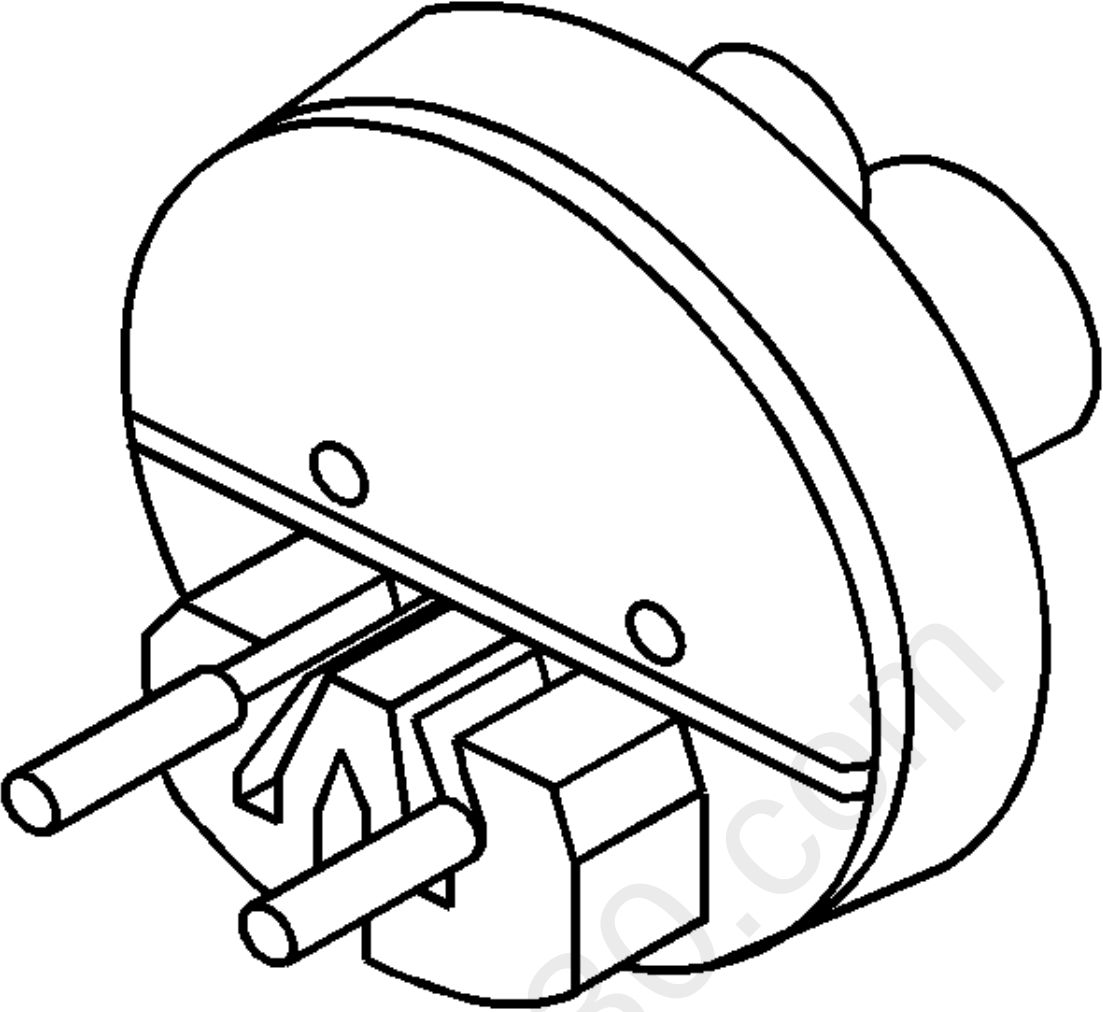
Illustration	Tool Number/Description
	EL-43244 J-43244 Relay Puller Pliers

Illustration	Tool Number/Description
	EL-44603 J-44603 Injector Test Lamp

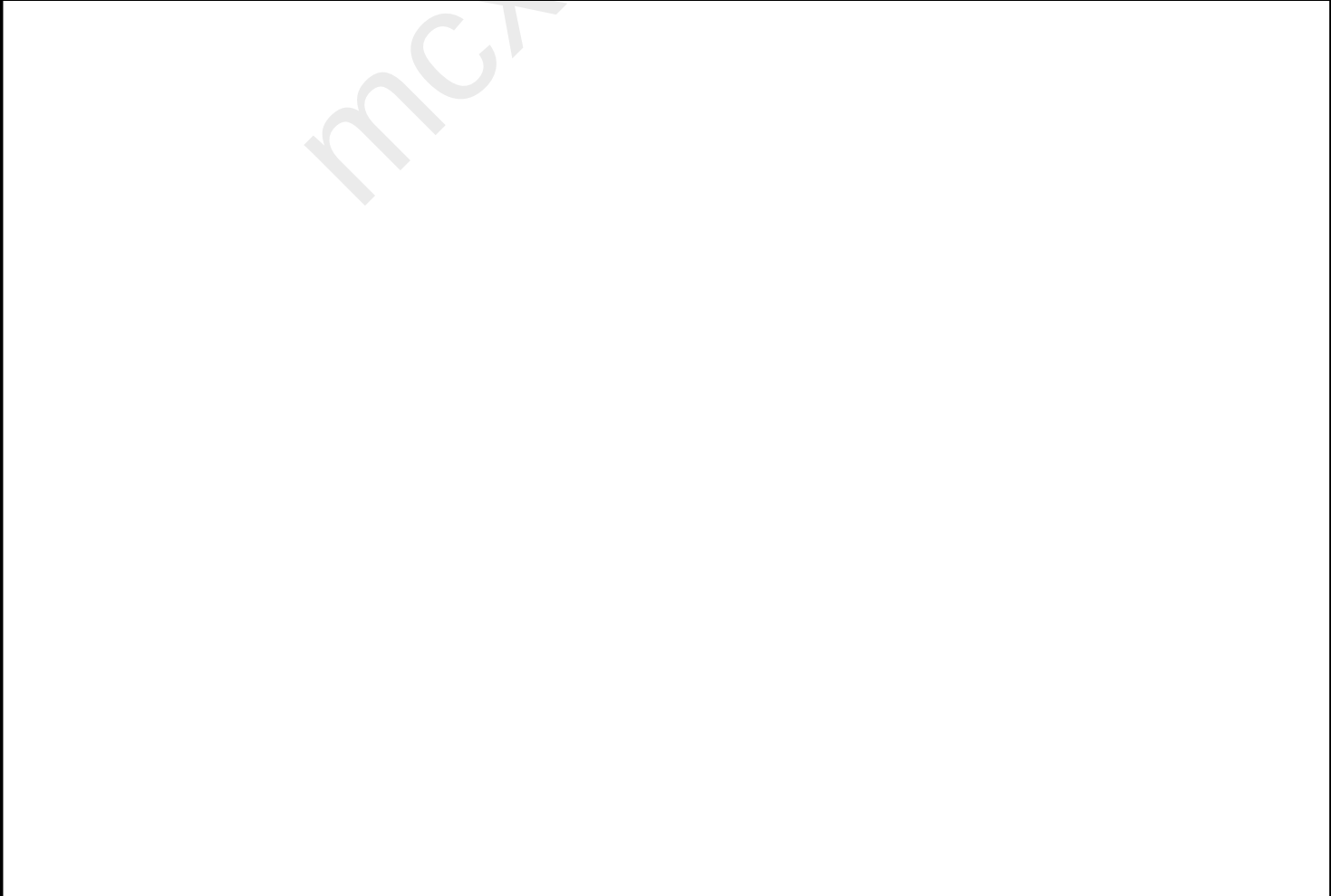


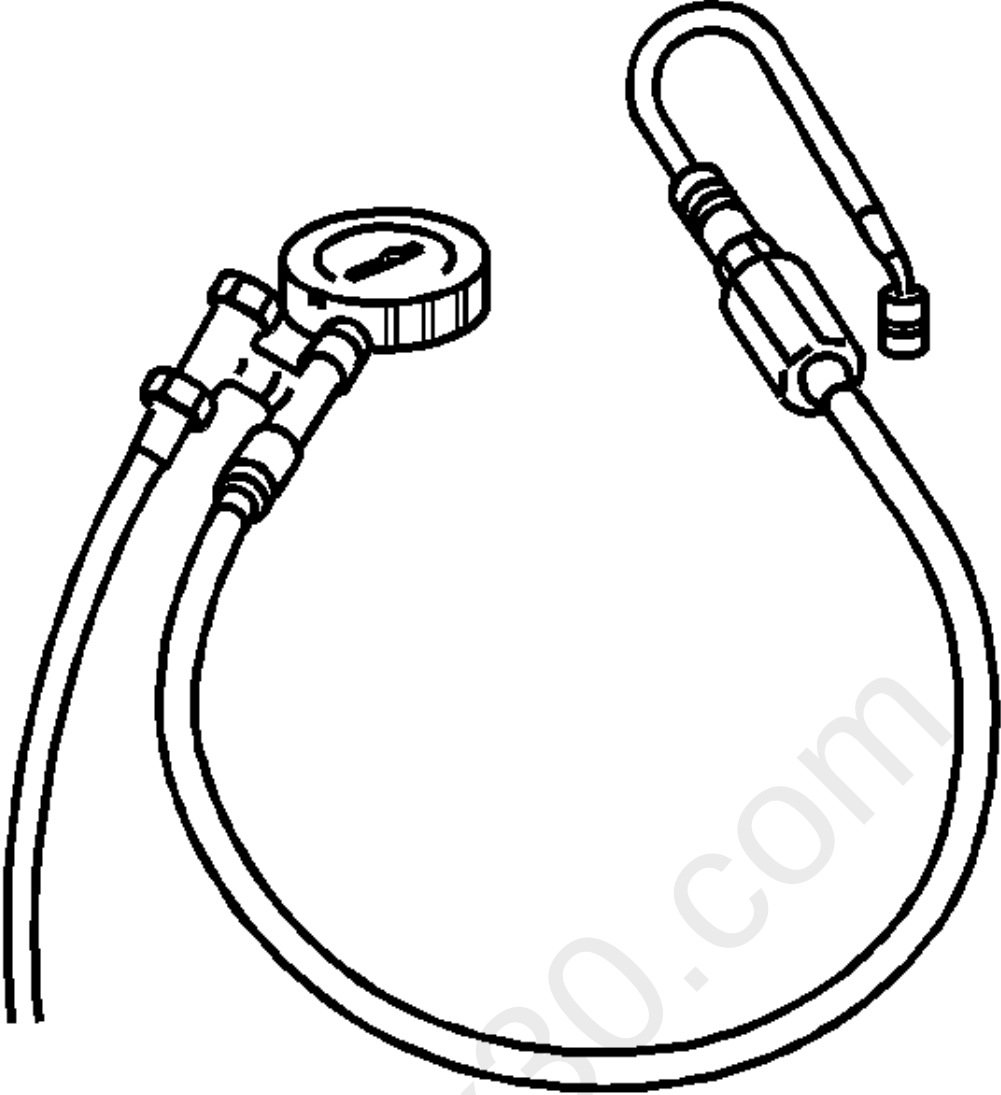
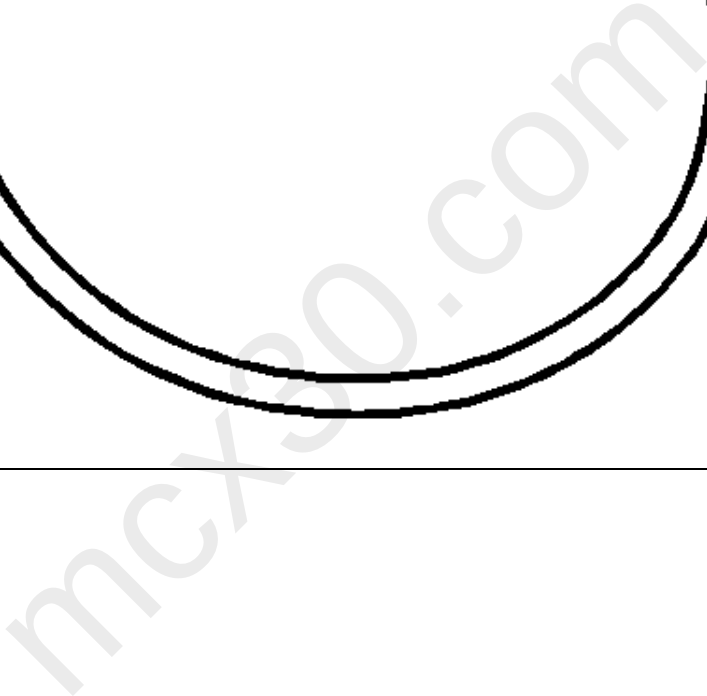
Illustration	Tool Number/Description
	EN-34730-91 J-34730-91 KM-J-34730-91 Pressure Tester
	EN-36012-A J-36012-A Ignition System Diagnosis Harness

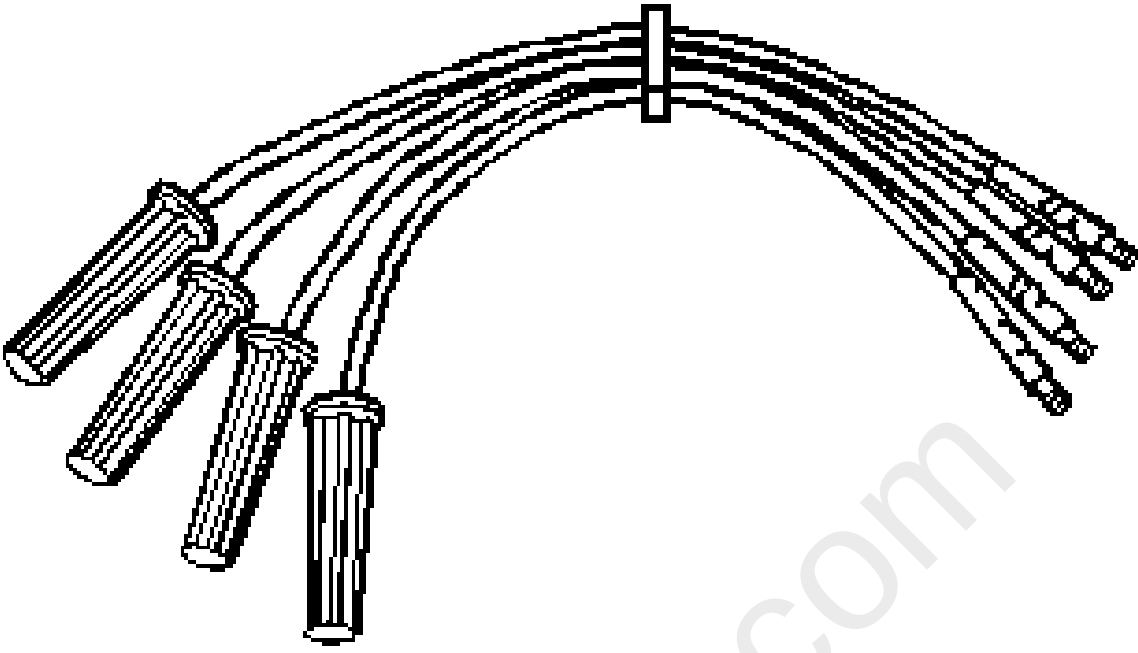
Illustration	Tool Number/Description
	
	EN-37287 J-37287 Fuel Line Shut-off Adapters

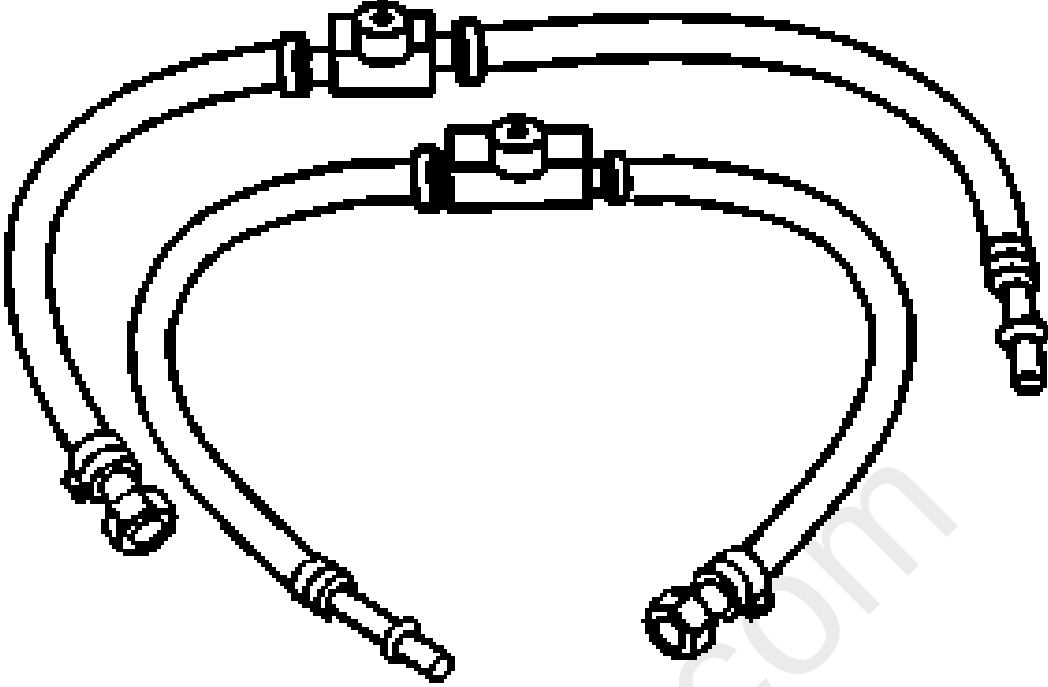
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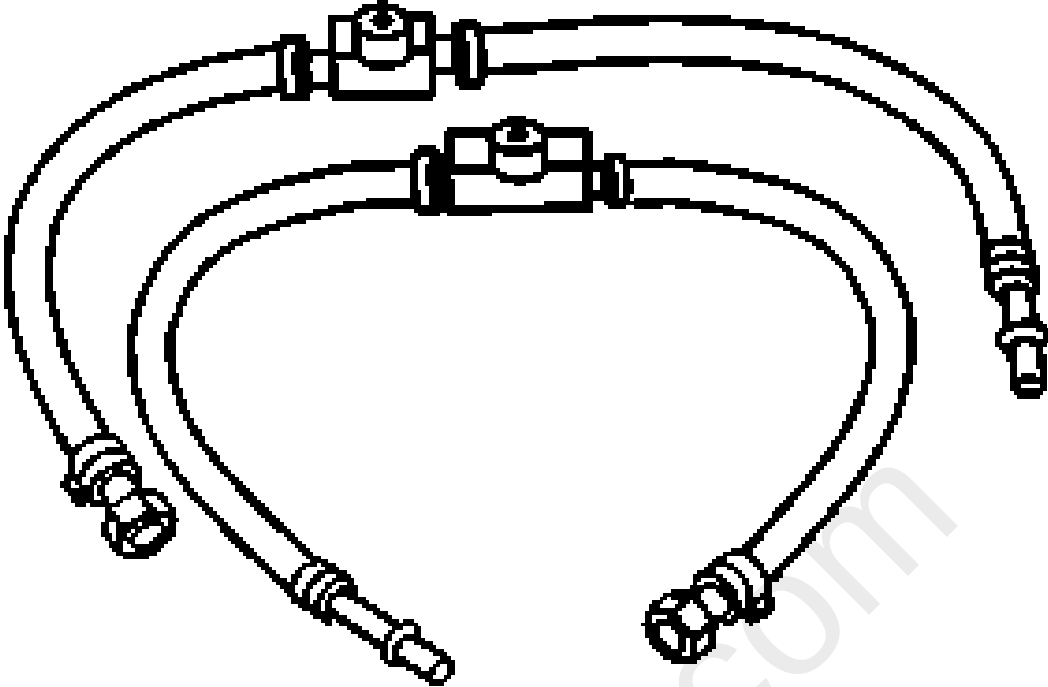
Illustration	Tool Number/Description
 The illustration shows two identical fuel line shut-off adapters. Each adapter is made of a flexible hose. One end of the hose has a shut-off valve with a handle. The other end of the hose has a quick-disconnect coupling. The adapters are shown in a coiled position.	EN-37287-FF Fuel Line Shut-off Adapters

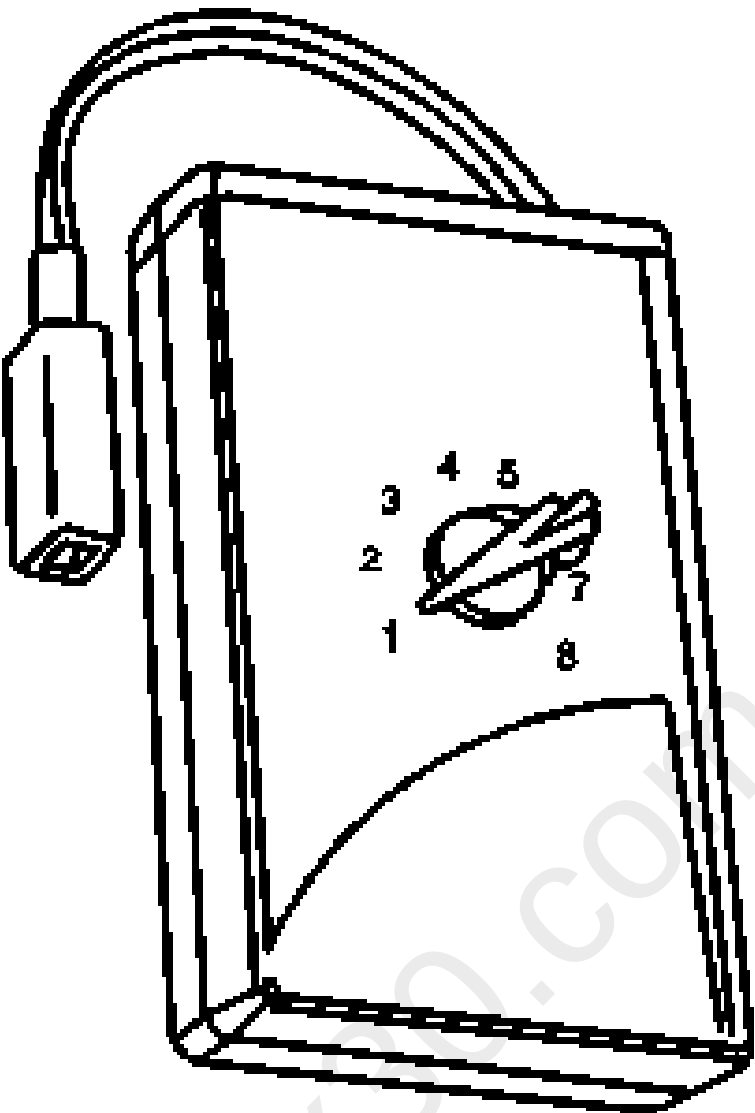
Illustration	Tool Number/Description
	EN-39021-210 J-39021-210 Injector Tester Adapter Box

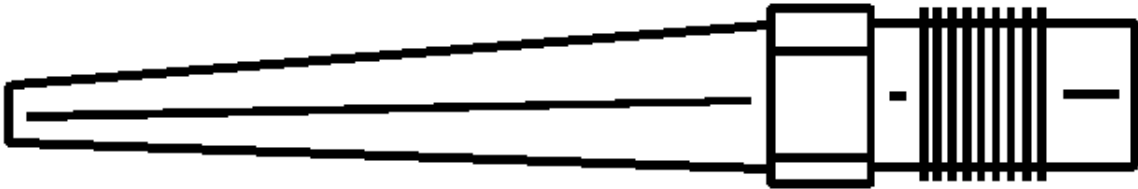
Illustration	Tool Number/Description
 The illustration shows a technical drawing of a tapered tool. It has a long, thin, tapered body that widens towards the right. The right end of the tool features a hexagonal base. On the left side of this hexagonal base, there is a section with vertical lines, indicating a threaded or knurled surface. A small horizontal line is visible on the right side of the hexagonal base.	EN-41413-311 J-41413-311 EVAP Plug

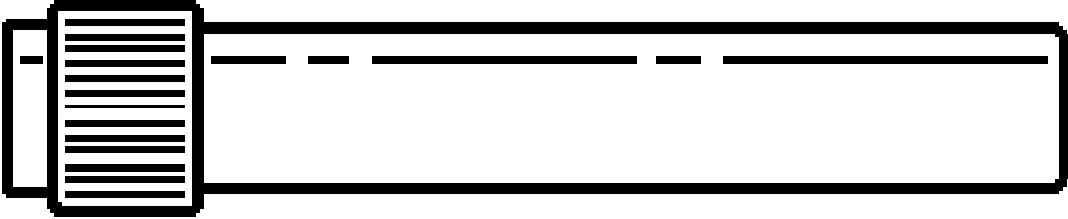
Illustration	Tool Number/Description
	EN-41413-VLV J-41413-VLV EVAP Service Port Vent Fitting
	EN-44602 J-44602 Injector Test Adapter

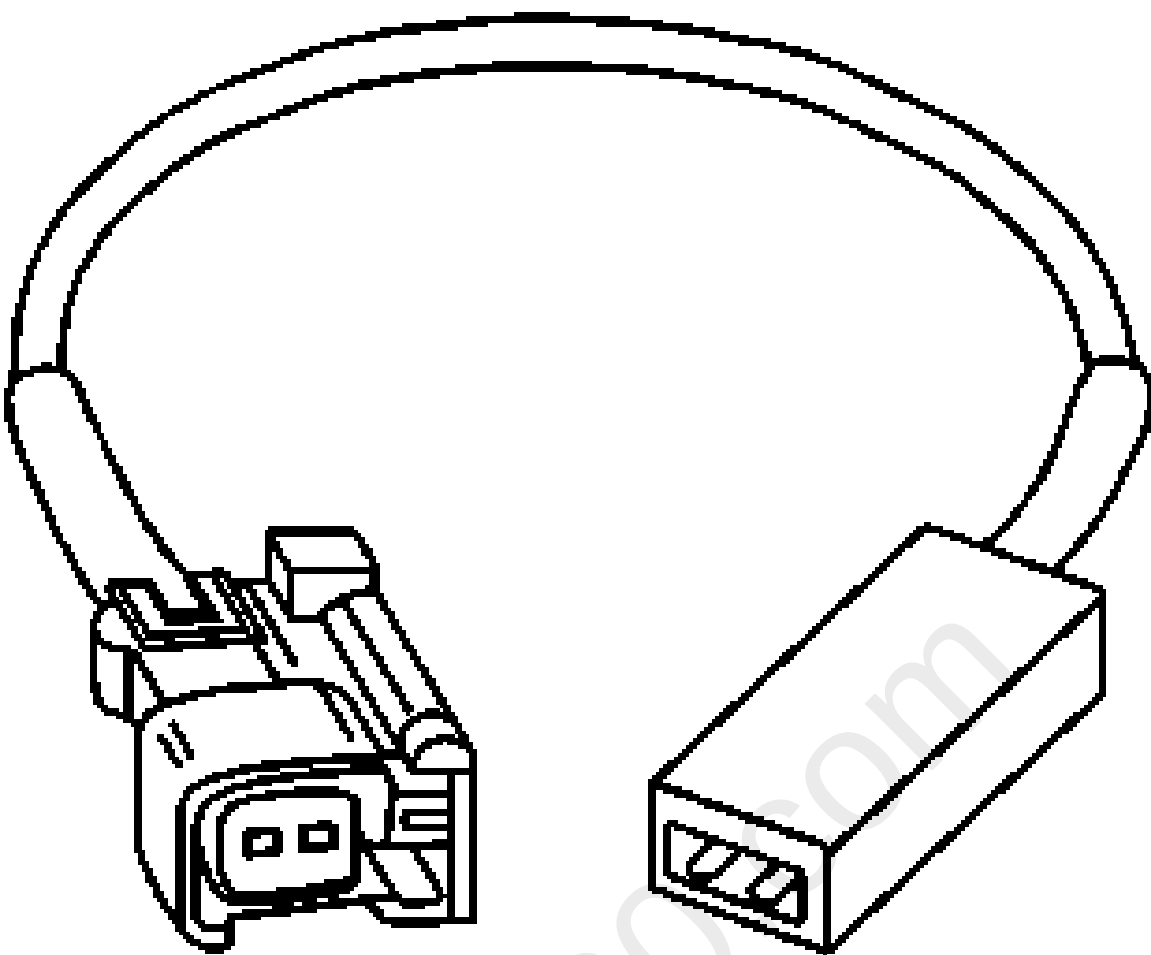
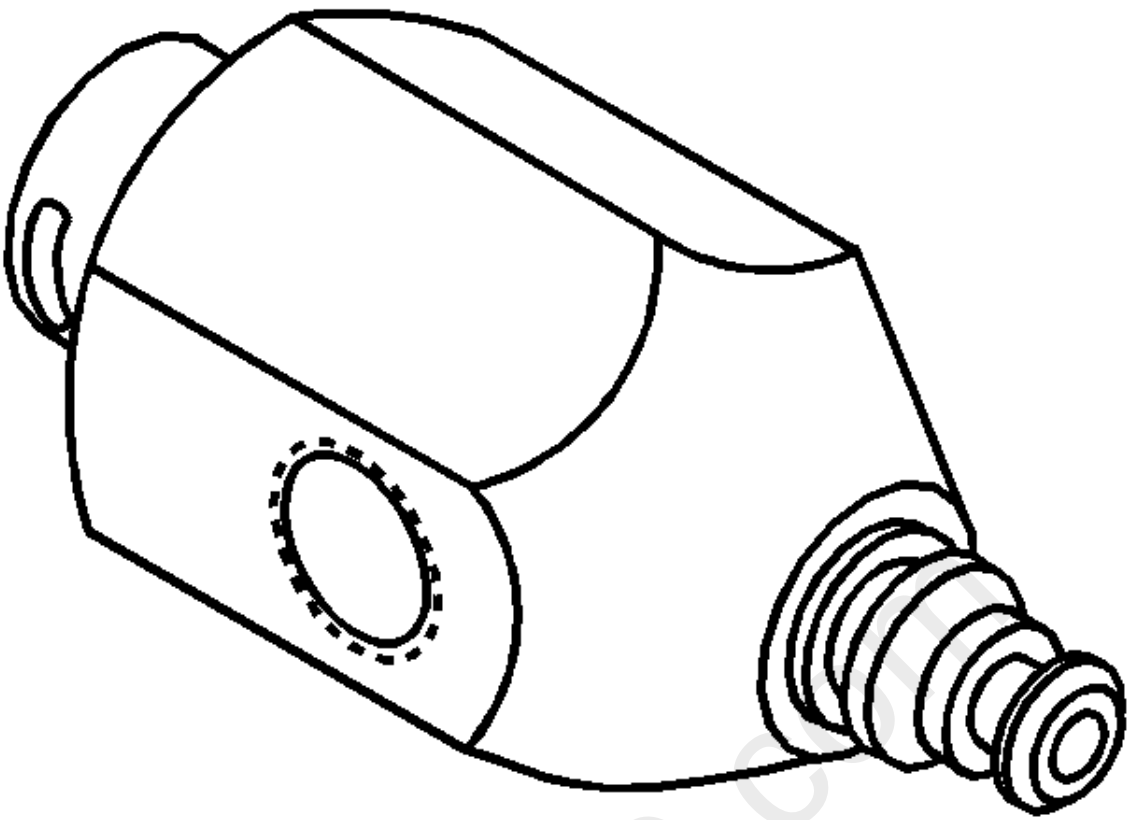
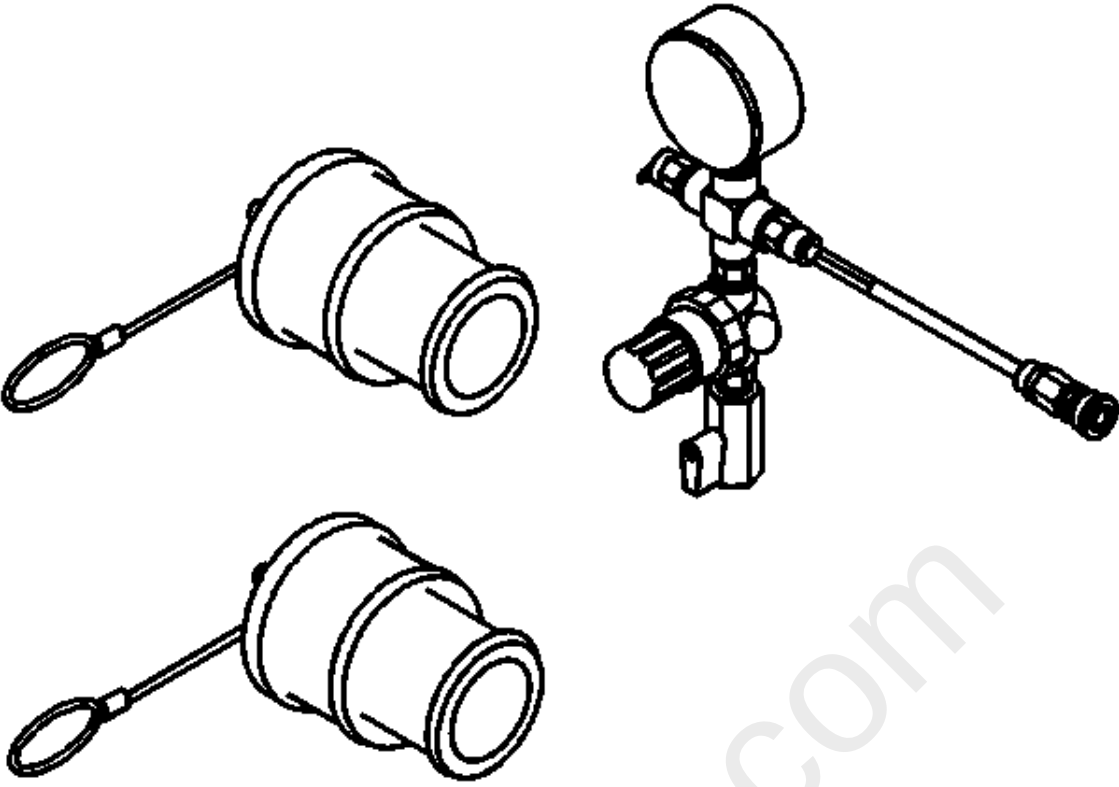
Illustration	Tool Number/Description
 A line drawing of a cable. The cable is shown in a loop. On the left side, there is a multi-pin connector with a rectangular housing and several pins protruding. On the right side, there is a rectangular connector with a single pin visible. The cable is represented by a simple line.	

Illustration	Tool Number/Description
	EN-45873-30 J-45873-30 Injector Flow Test Adapter

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Illustration	Tool Number/Description
 EN-46091 J-46091 Charge Air Cooler Tester	

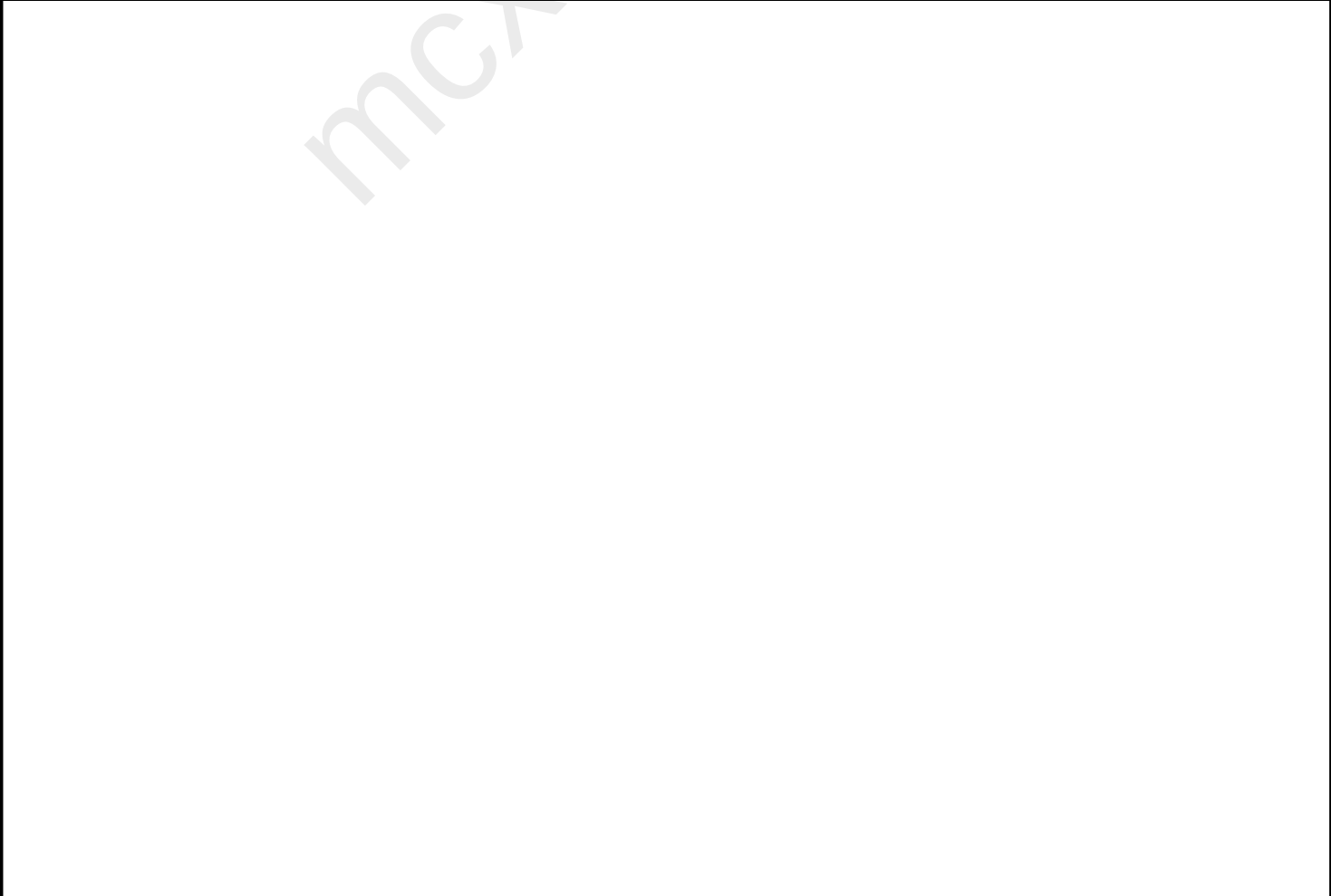


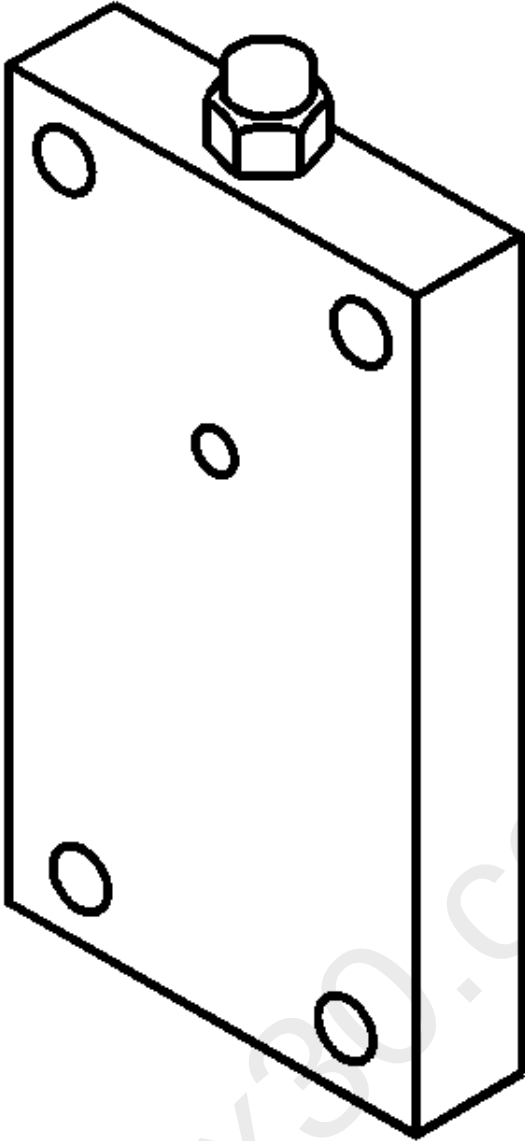
Illustration	Tool Number/Description
 A 3D line drawing of a rectangular metal plate. On the top surface, there is a hexagonal nut. The front face of the plate features six circular holes: two in the top corners, two in the bottom corners, and one centered in the middle. A faint watermark 'mcx30.com' is visible diagonally across the plate.	EN-46091-5 J-46091-5 Charge Air Cooler Tester Adapter

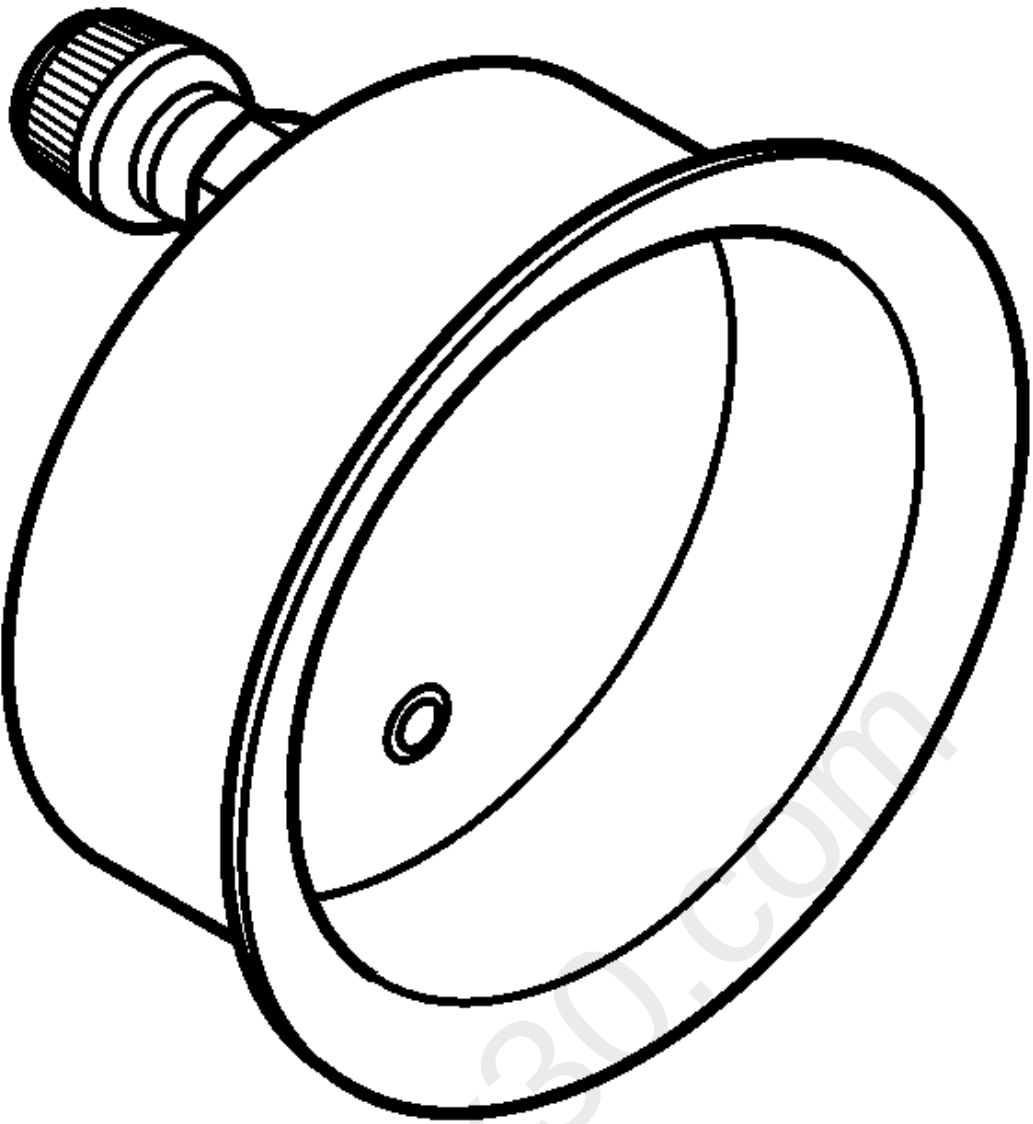
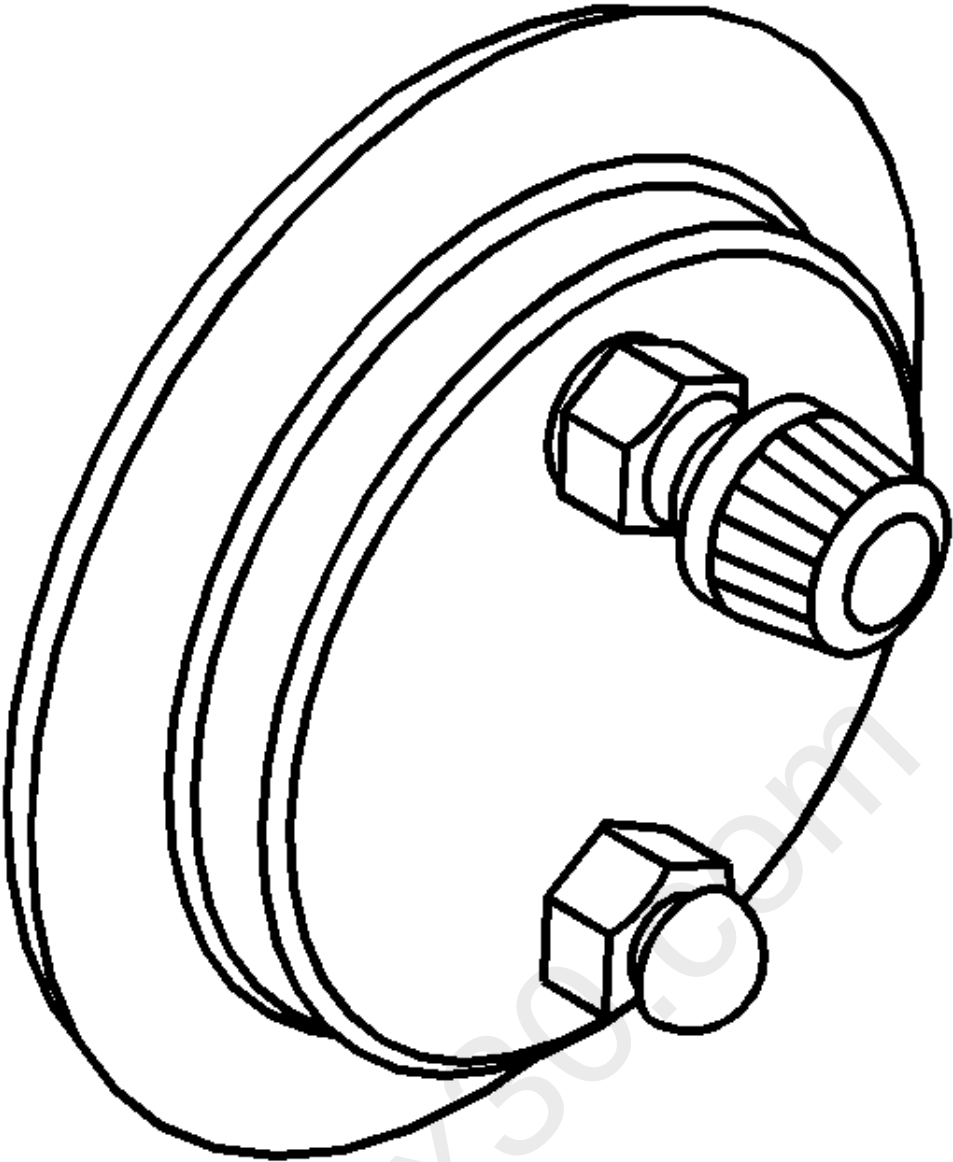
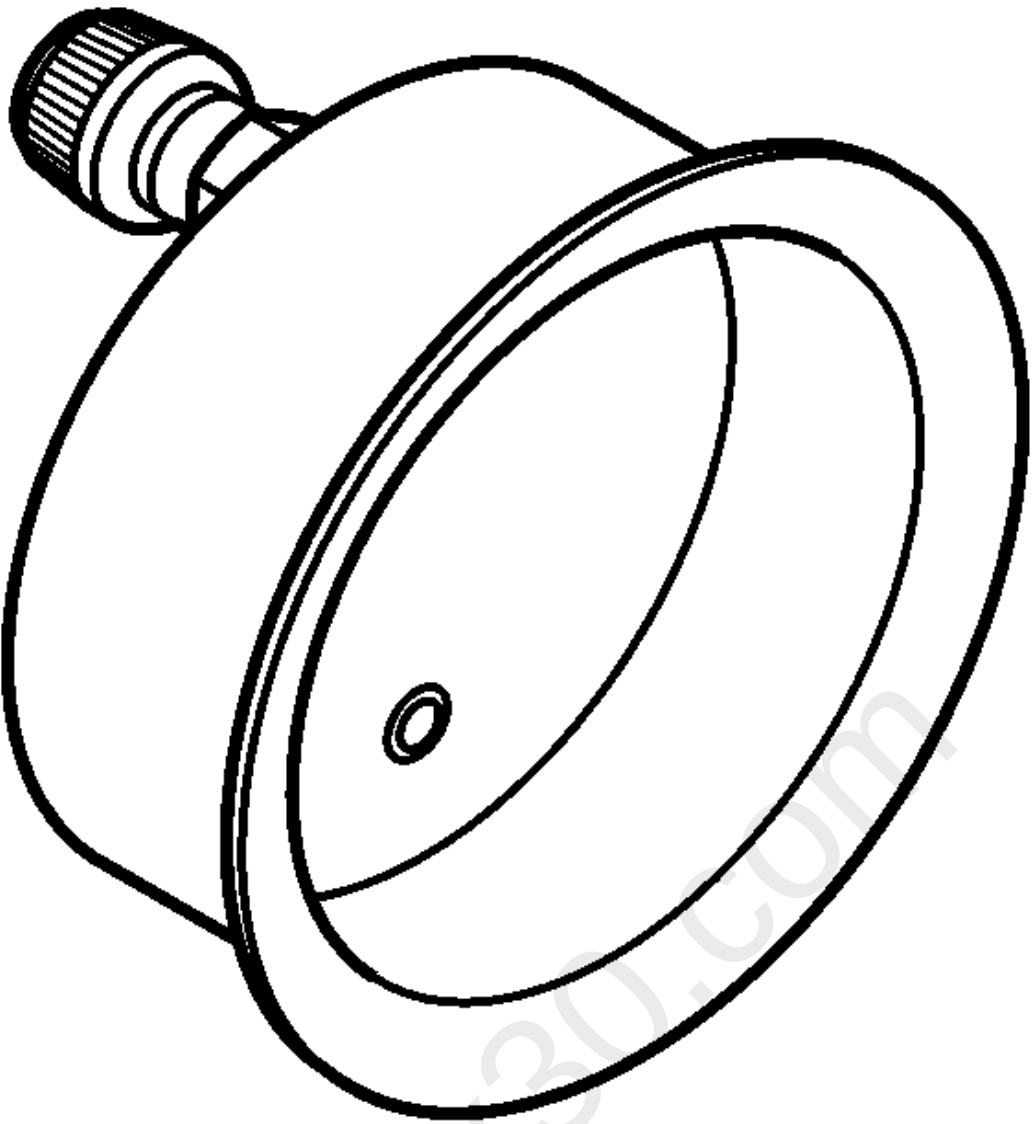
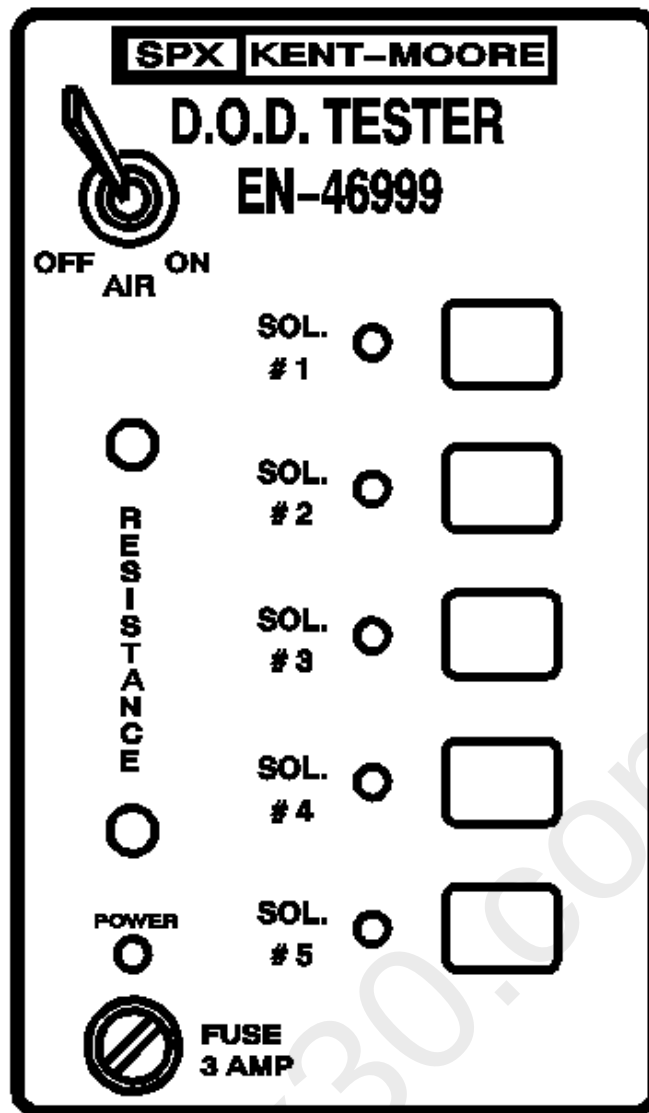
Illustration	Tool Number/Description
	EN-46091-10A Diesel Engine Pressure Test Adapter

Illustration	Tool Number/Description
	EN-46091-15 J-46091-15 Engine Pressure Test Adapter

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Illustration	Tool Number/Description
	EN-46091-15A J-46091-15A Diesel Engine Pressure Test Adapter



EN-46999
Displacement On
Demand Tester

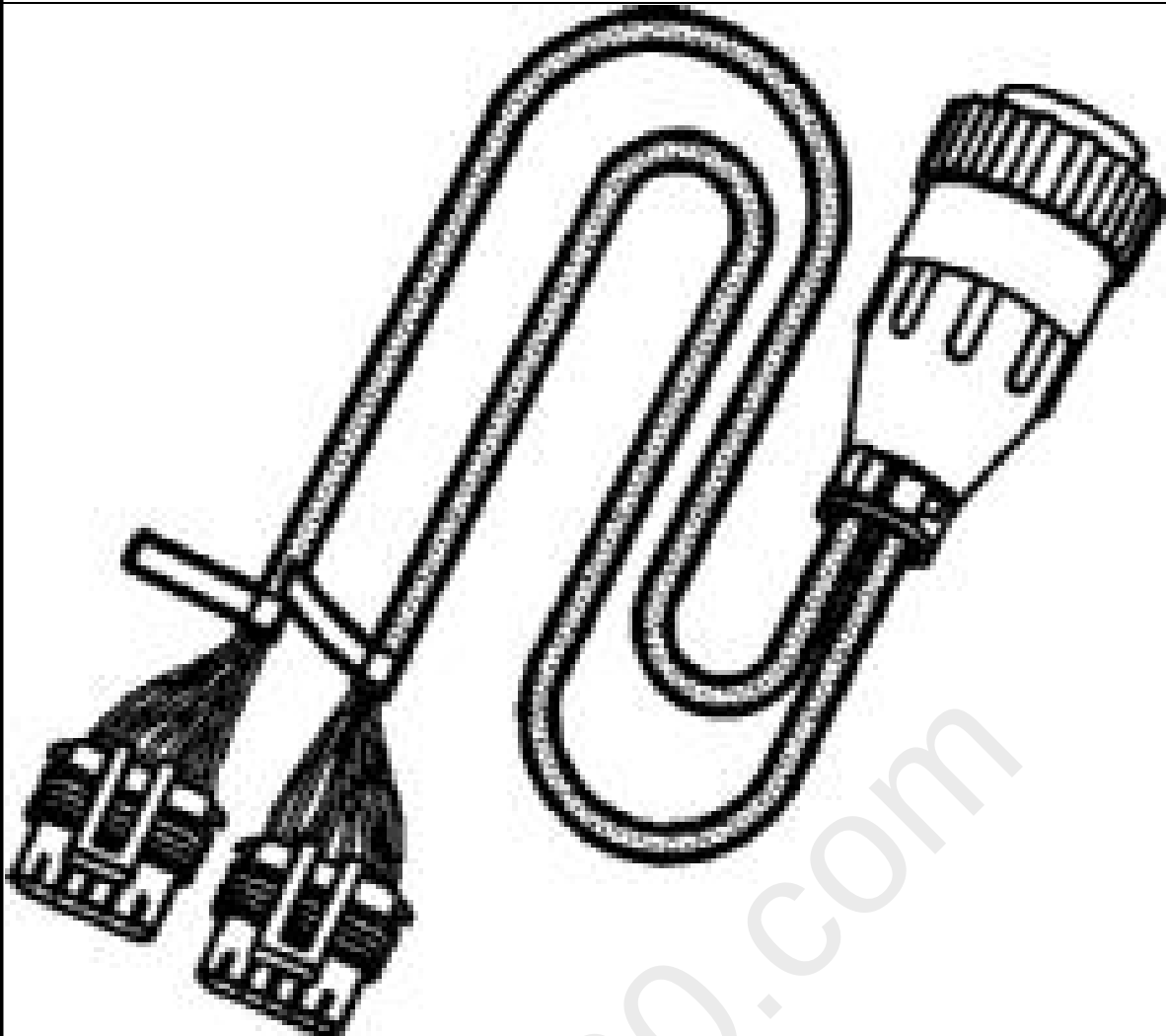
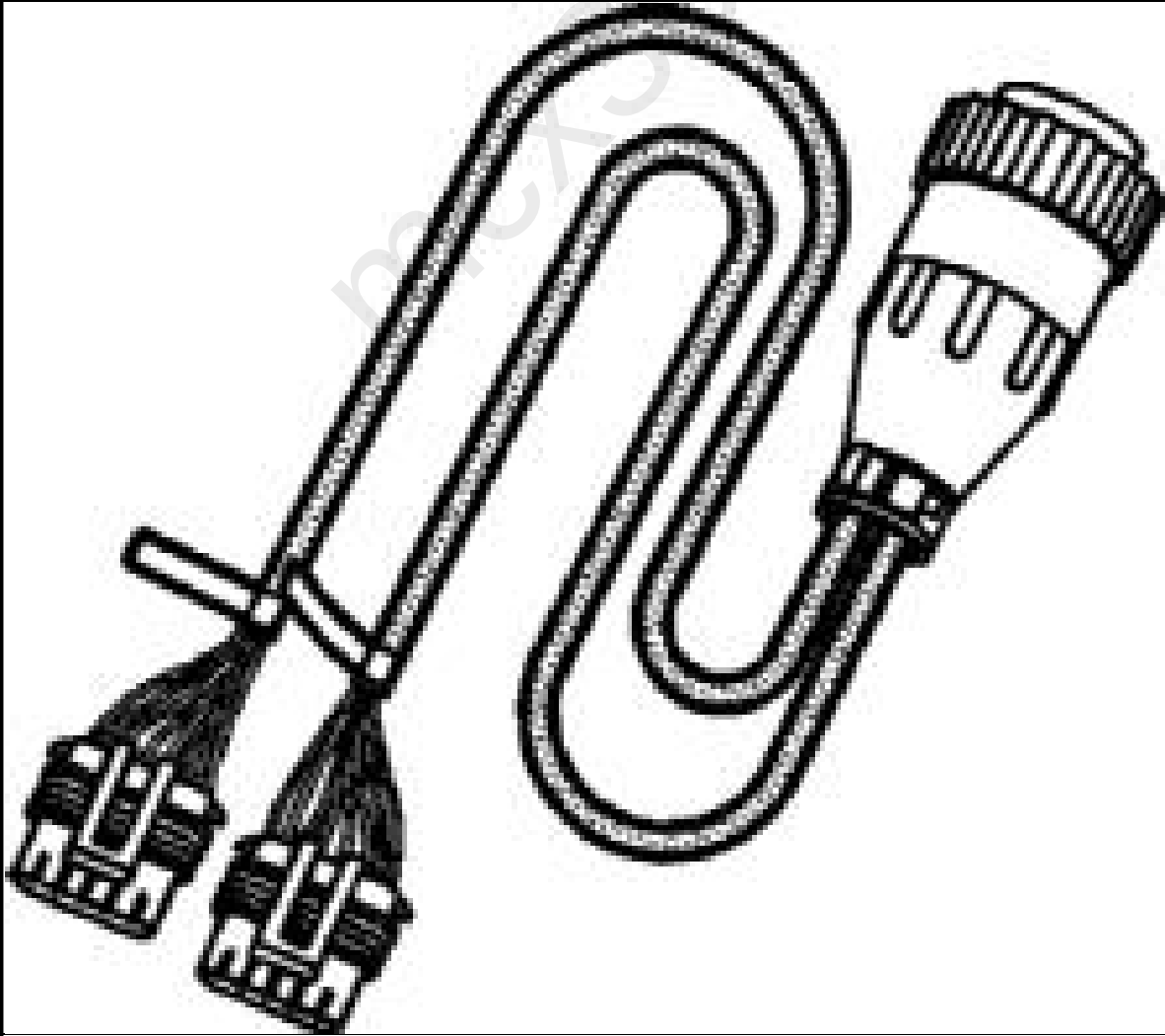
Illustration	Tool Number/Description
 A black and white line drawing of a coiled cable. One end features a large, multi-pin connector with a ribbed, cylindrical cap. The other end of the cable splits into two smaller, multi-pin connectors. The cable is shown in a loose, S-shaped coil.	EN-46999-15 Active Fuel Management Tester Harness - V6
 A black and white line drawing of a coiled cable, identical in design to the one above. It has a large multi-pin connector with a ribbed cap at one end and splits into two smaller multi-pin connectors at the other. The cable is coiled in an S-shape.	EN-46999-20 Active Fuel Management Tester Harness - Small Block V8

Illustration	Tool Number/Description
	EN-47603 Compression Gauge Adapter

Illustration	Tool Number/Description
	EN-47656-NA Pressure Test Plugs
	GE-23738-A J-23738-A Vacuum Pump

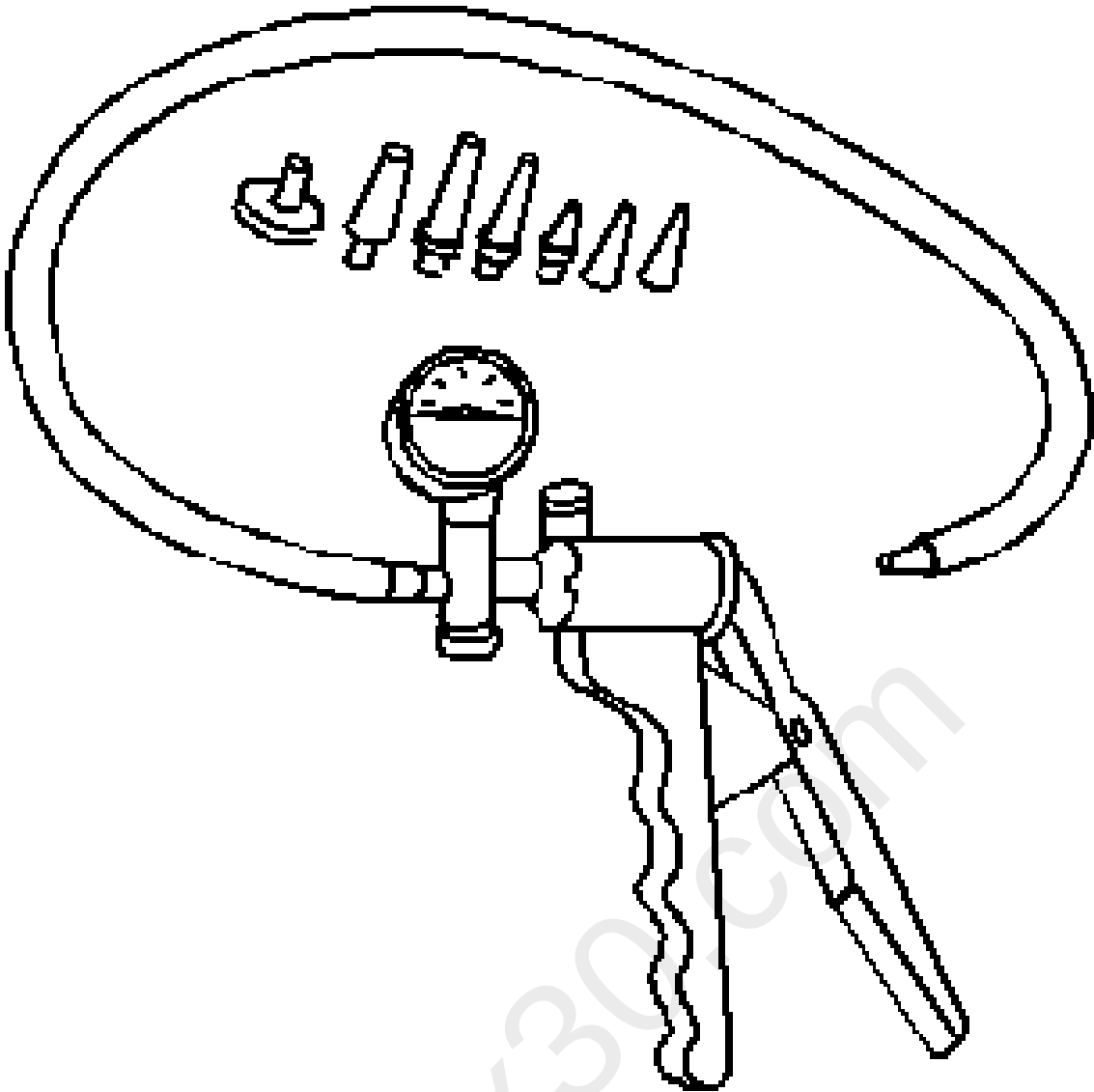
Illustration	Tool Number/Description
	

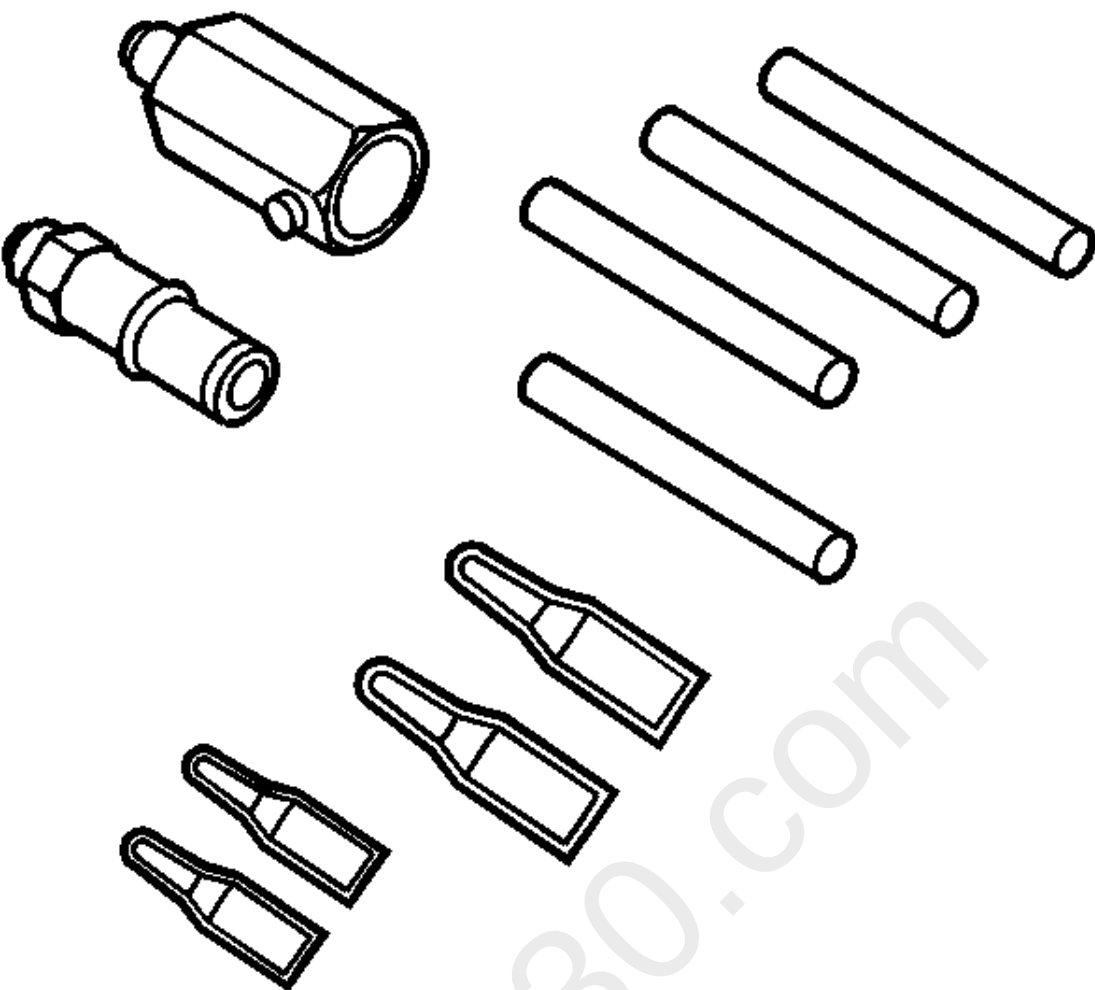
Illustration	Tool Number/Description
	GE-41413-300 EN-41413-300 J-41413-300 EVAP Cap and Plug Kit

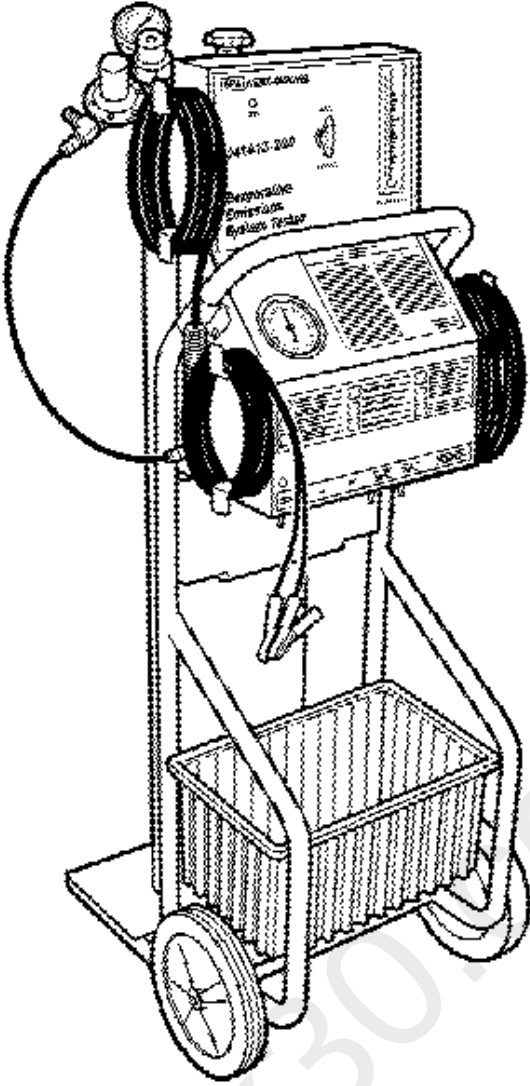
Illustration	Tool Number/Description
	GE-41413-A EN-41413-A J-41413-A Evaporative Emissions System Tester (EEST)
	GE-41413-SPT J-41413-SPT High Intensity White Light

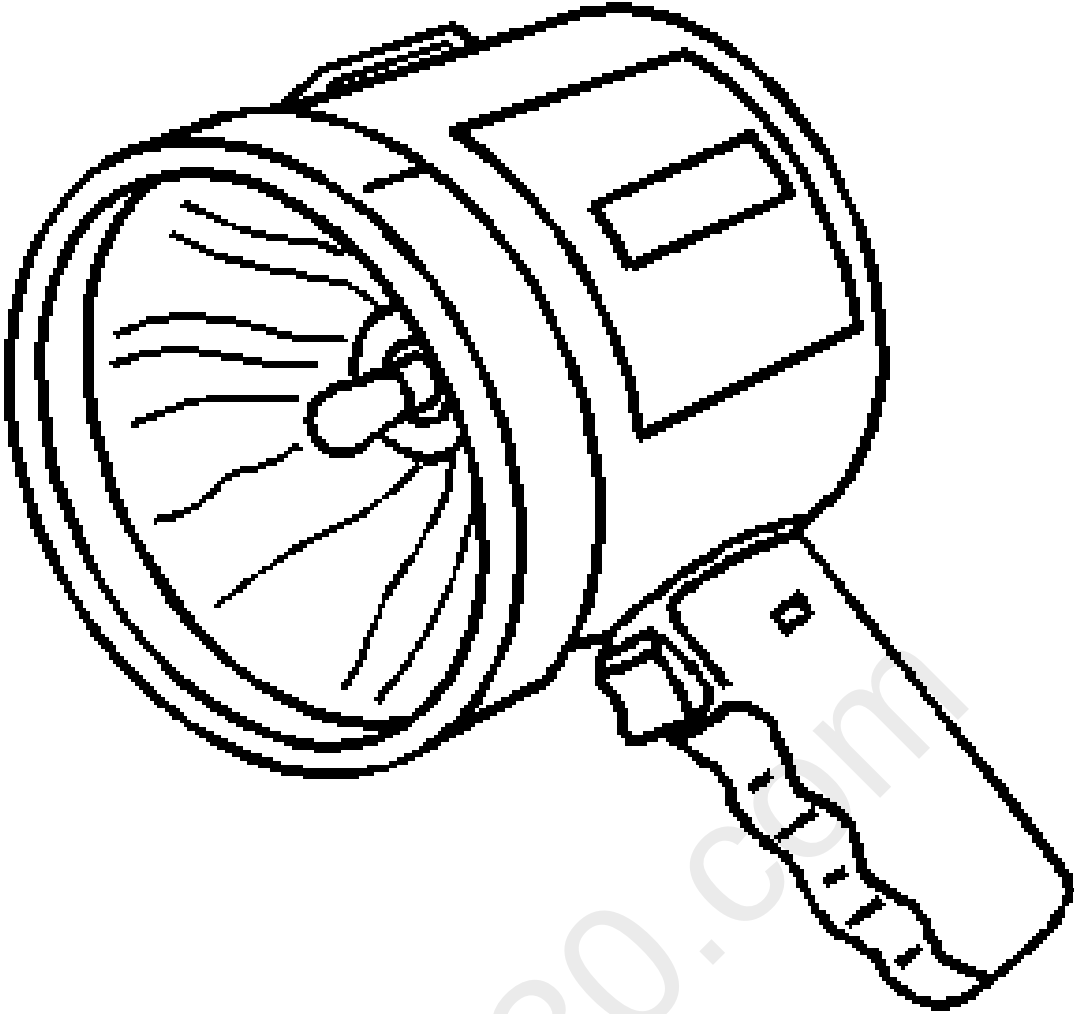
Illustration	Tool Number/Description
	

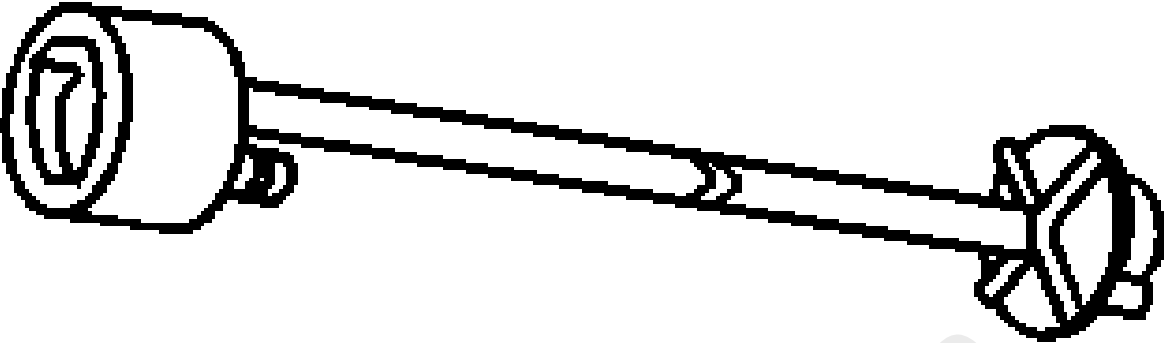
Illustration	Tool Number/Description
	GE-41415-50 J-41415-50 Fuel Tank Cap Adapter

Illustration	Tool Number/Description
 A blue metal adapter tool. It features a threaded end on the left, a central cylindrical body, and a curved nozzle on the right. The tool is shown against a white background with a faint watermark 'mcx30.com'.	GE-41415-60 Engine Induction System Leak Test Adapter/Capless Fuel Fill Adapter
	J-25070 Heat Gun 260- 399Â°C (500- 750Â°F)

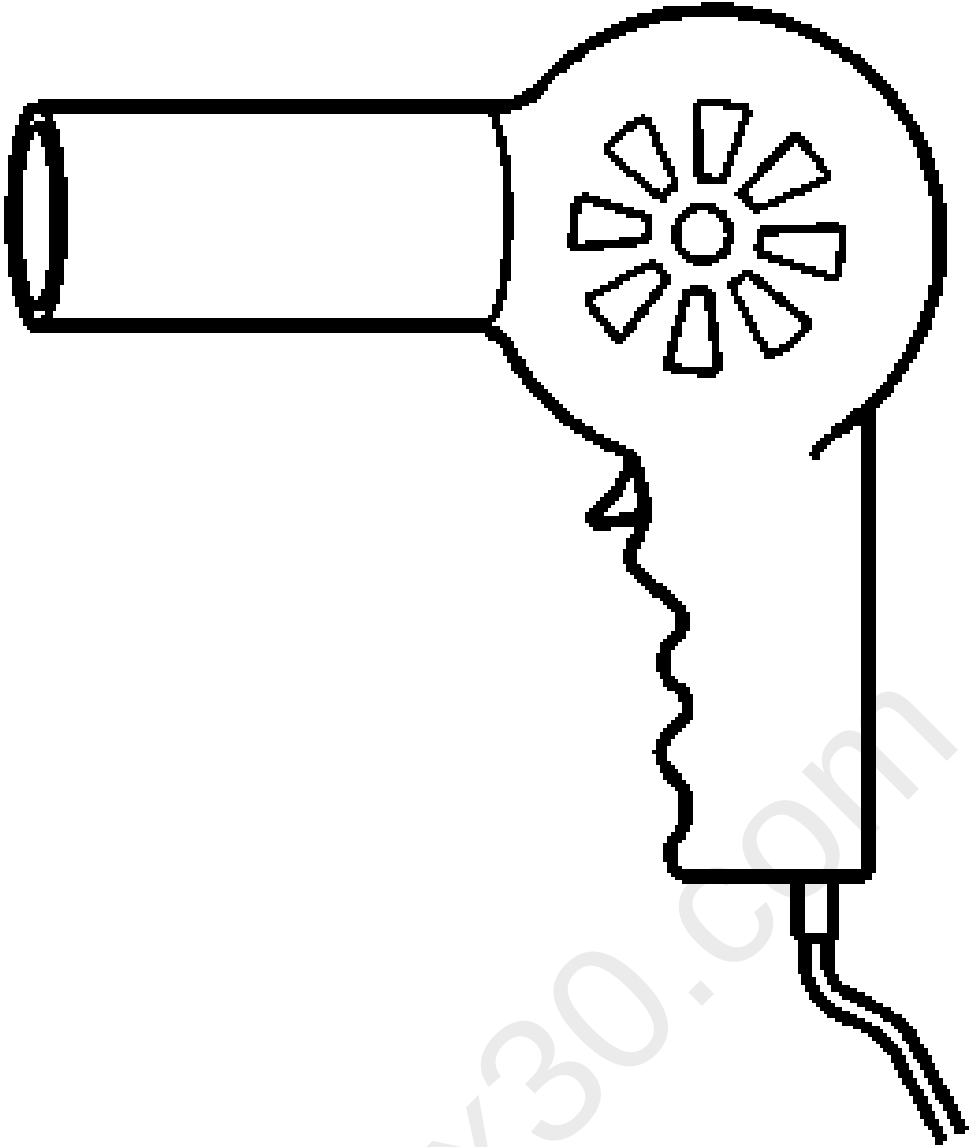
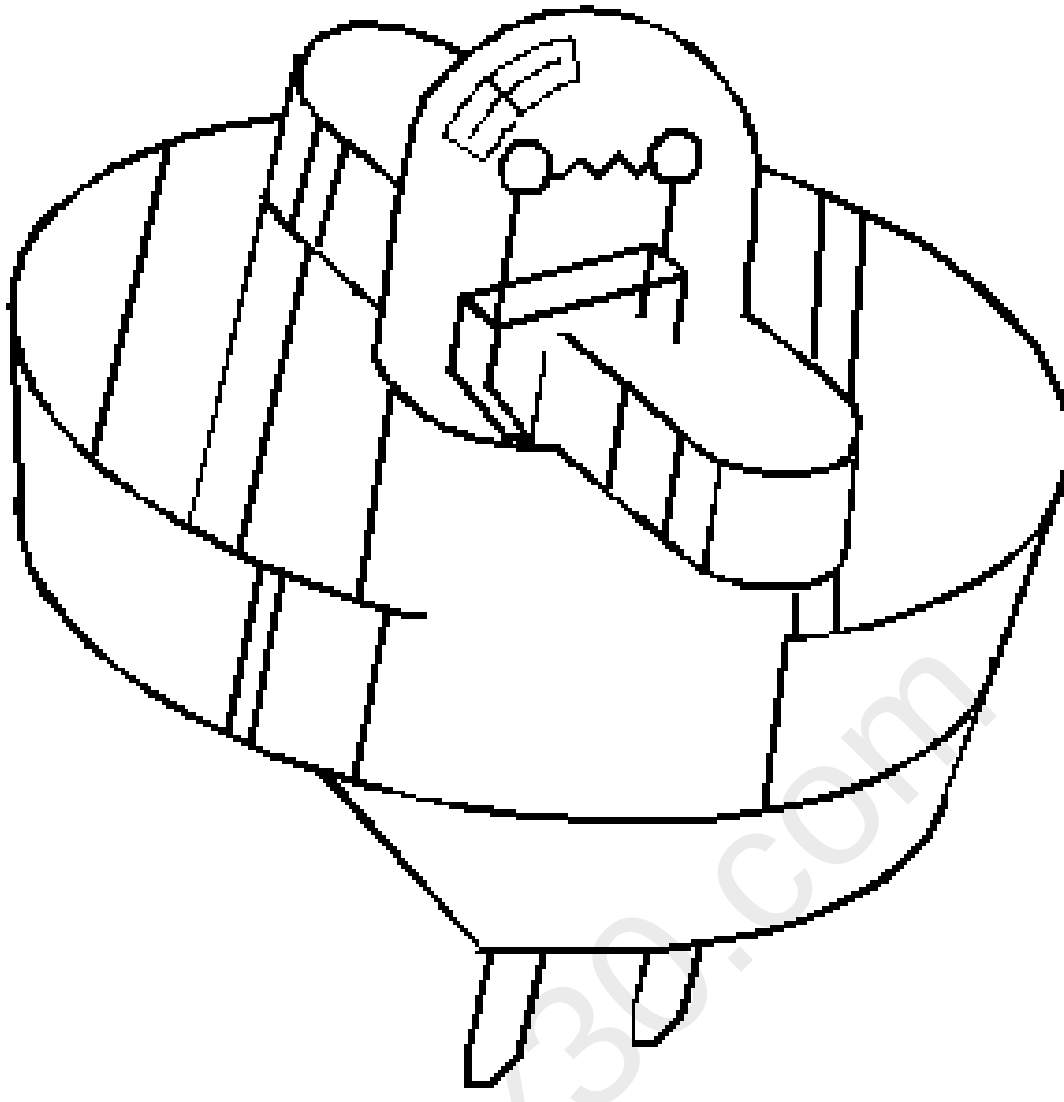
Illustration	Tool Number/Description
	
	J-34730-375 Injector Test Lamp

Illustration	Tool Number/Description
 A line drawing of a hand holding a tool. The tool has a circular head with a small rectangular notch and two small circles. The handle is a simple rectangular shape. The tool is positioned over a cylindrical object with vertical lines, suggesting a container or a piece of equipment. A watermark 'mcx39.com' is visible across the drawing.	

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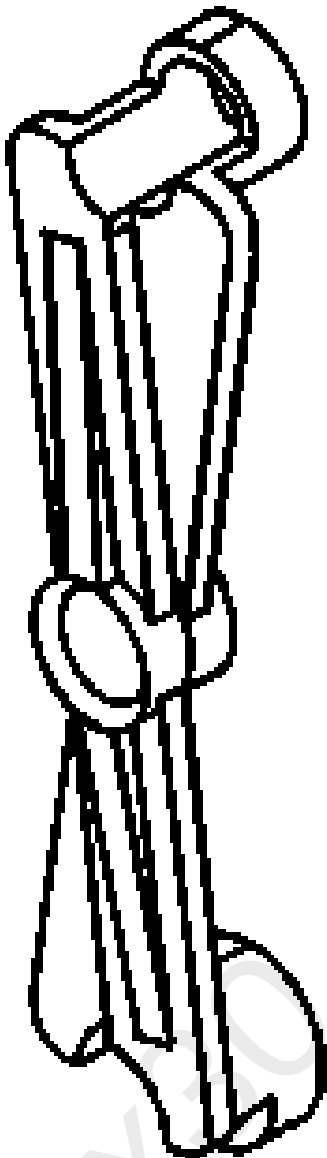
Illustration	Tool Number/Description
	J-44581 Fuel Line Disconnect Tool

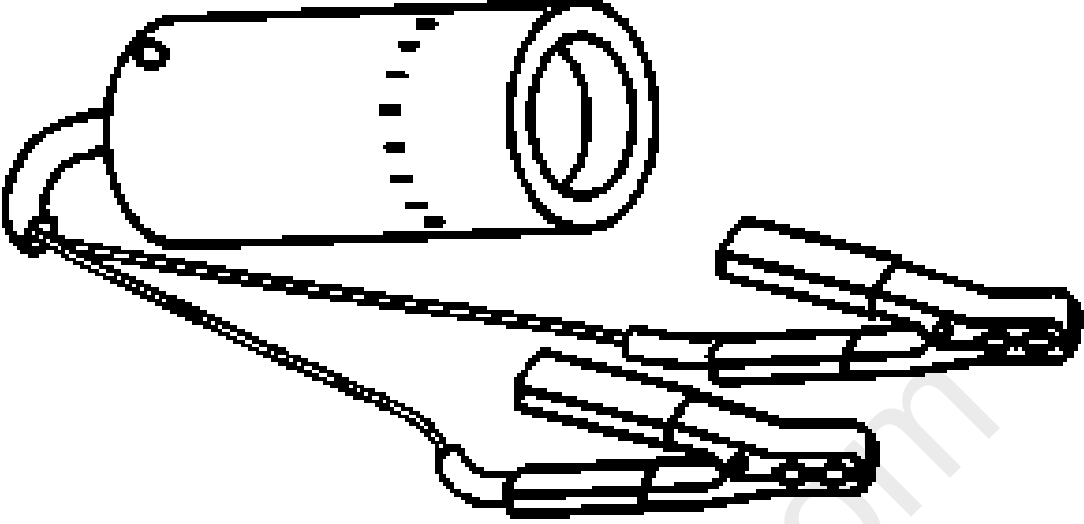
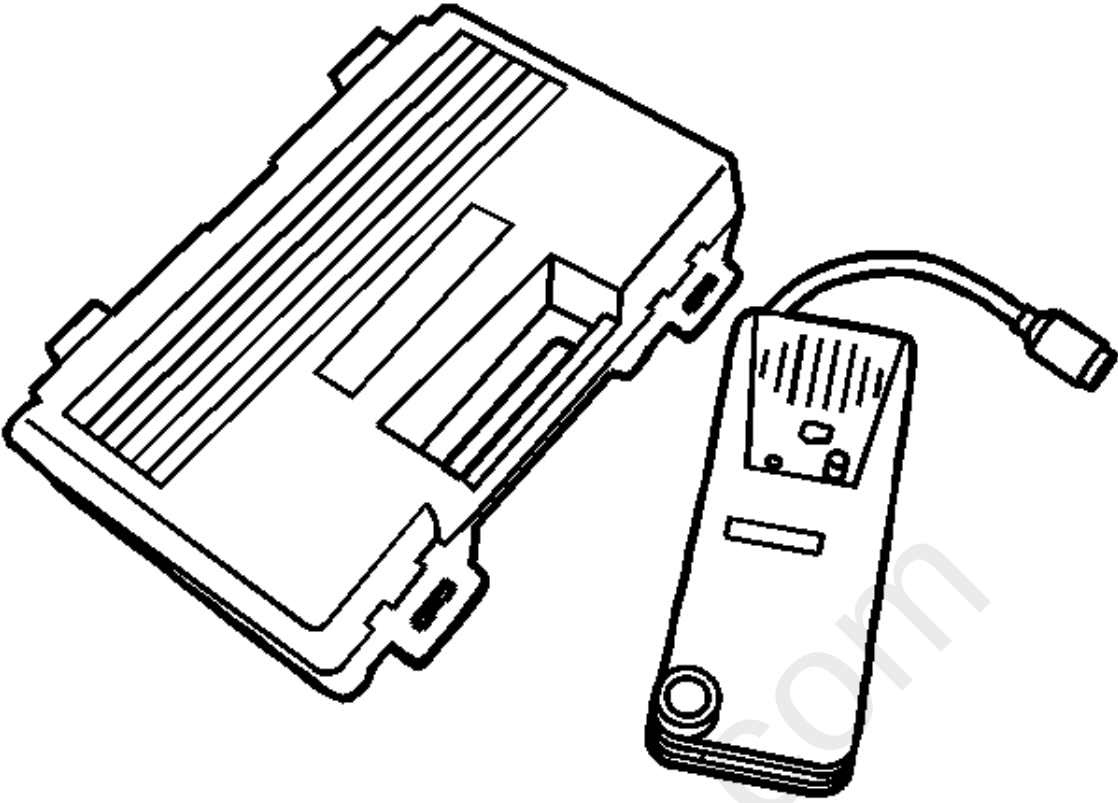
Illustration	Tool Number/Description
	J-28428-E J 42220 CH 42220 Universal 12-Volt Leak Detection Lamp

Illustration	Tool Number/Description
	J-45878 Combustible Gas Detector