

2021 ENGINE PERFORMANCE

Engine Controls And Fuel - 2.8L (LWN) Diesel - Special Tools And Equipment - Canyon, Colorado

SPECIAL TOOLS AND EQUIPMENT

SPECIAL TOOLS ((DIAGNOSIS TOOLS))

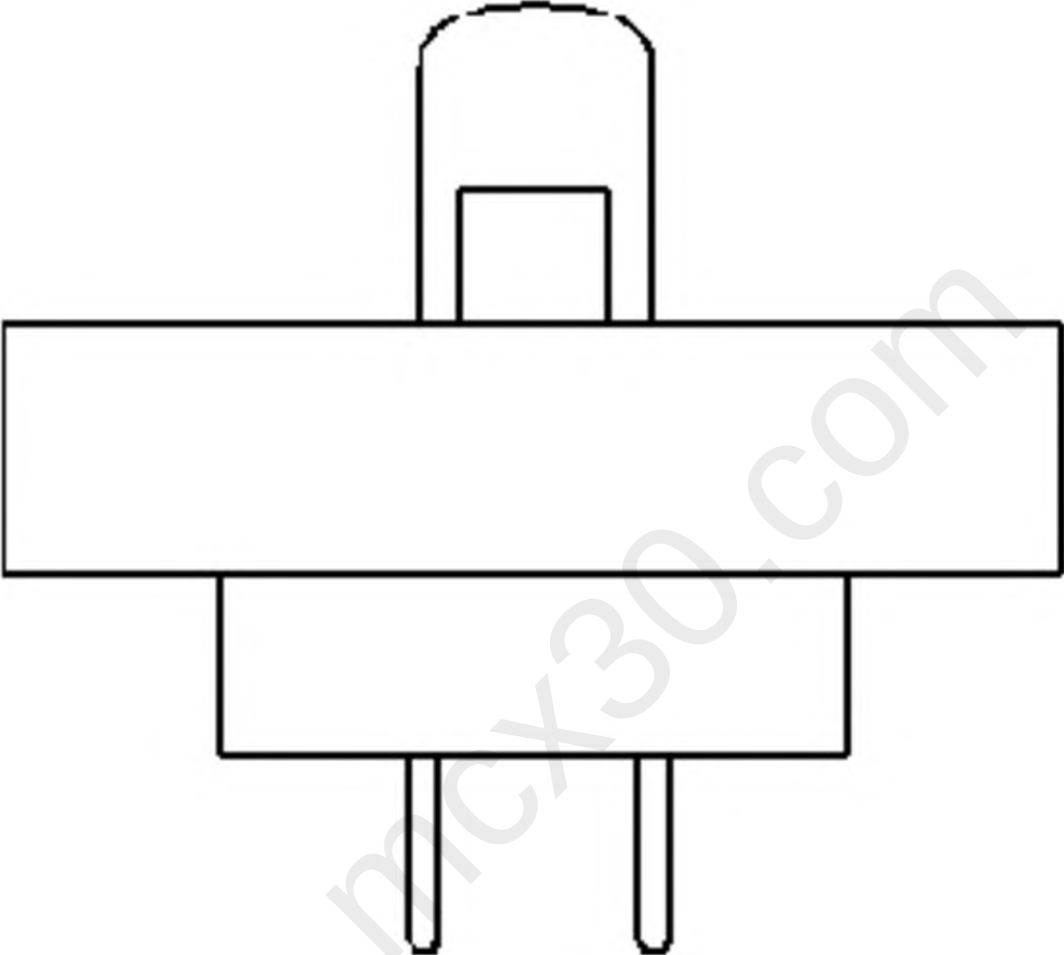
Illustration	Tool Number/Description
	CH-34730-2C J-34730-2C Injector Test Lamp

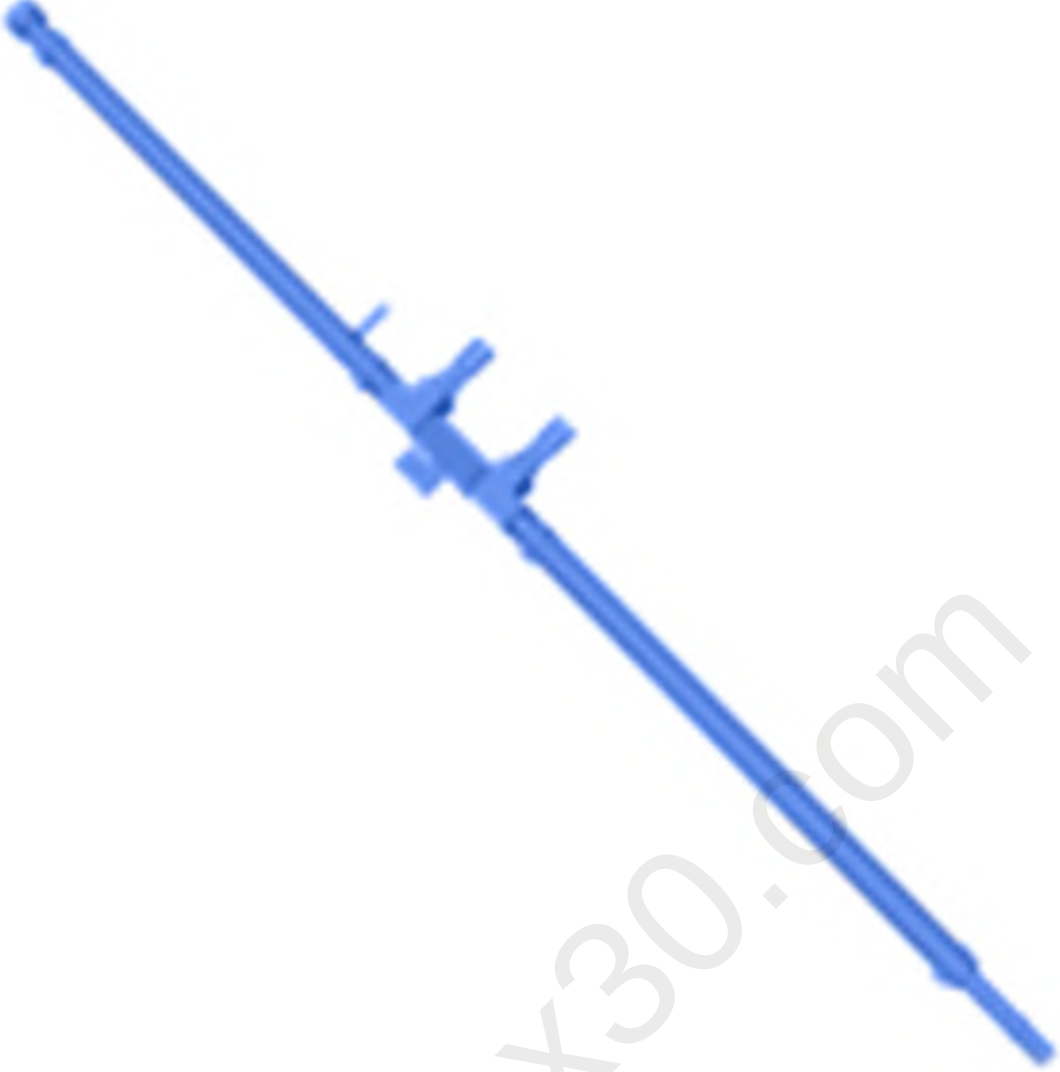
Illustration	Tool Number/Description
	CH-37287-1A Fuel Pressure Gauge Adapter 3/8"

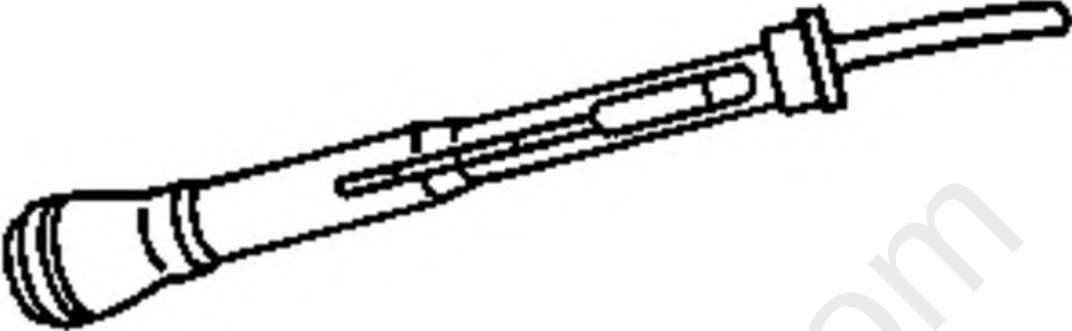
Illustration	Tool Number/Description
	CH-38641-B J-38641-B Diesel Fuel Quality Tester

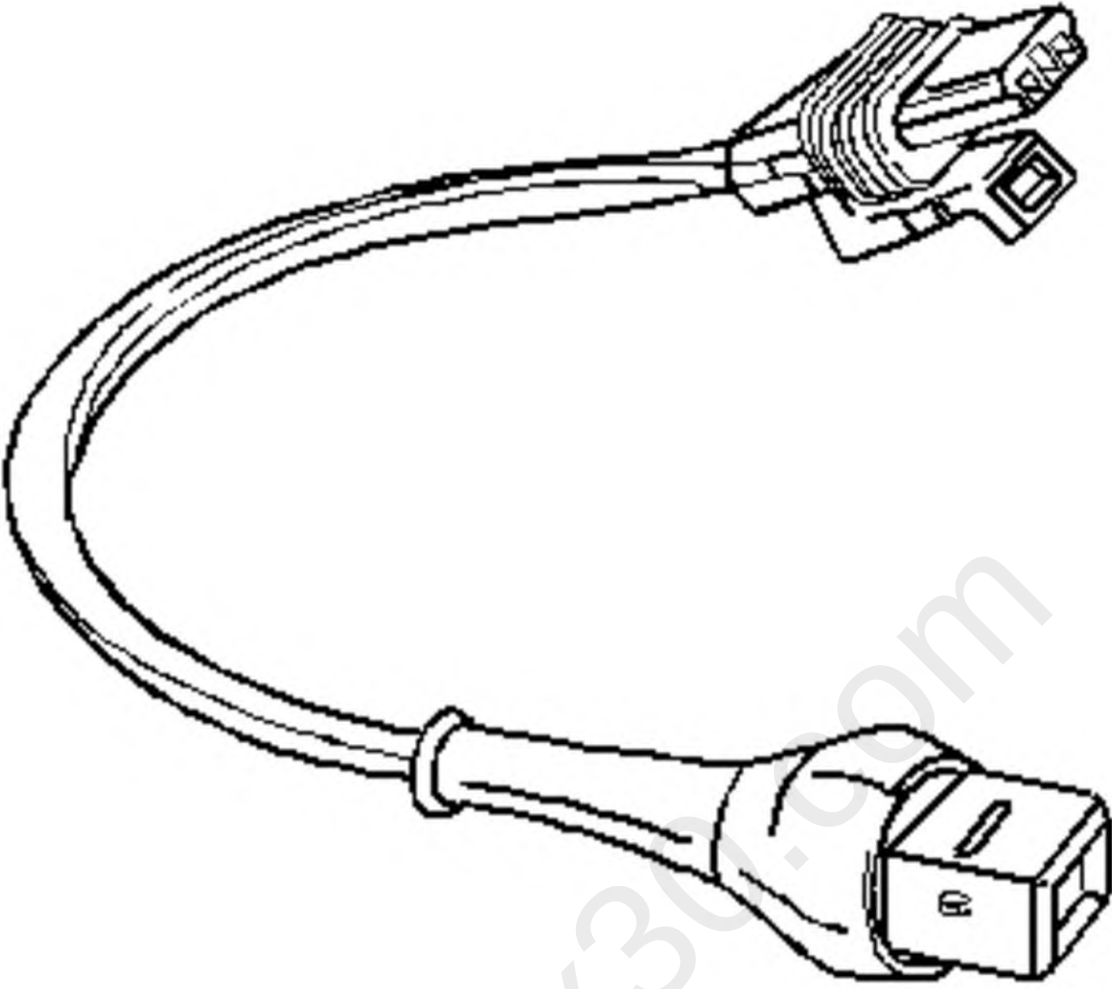
Illustration	Tool Number/Description
	CH-39021-301 J-39021-301 Fuel Injector Harness Adapter

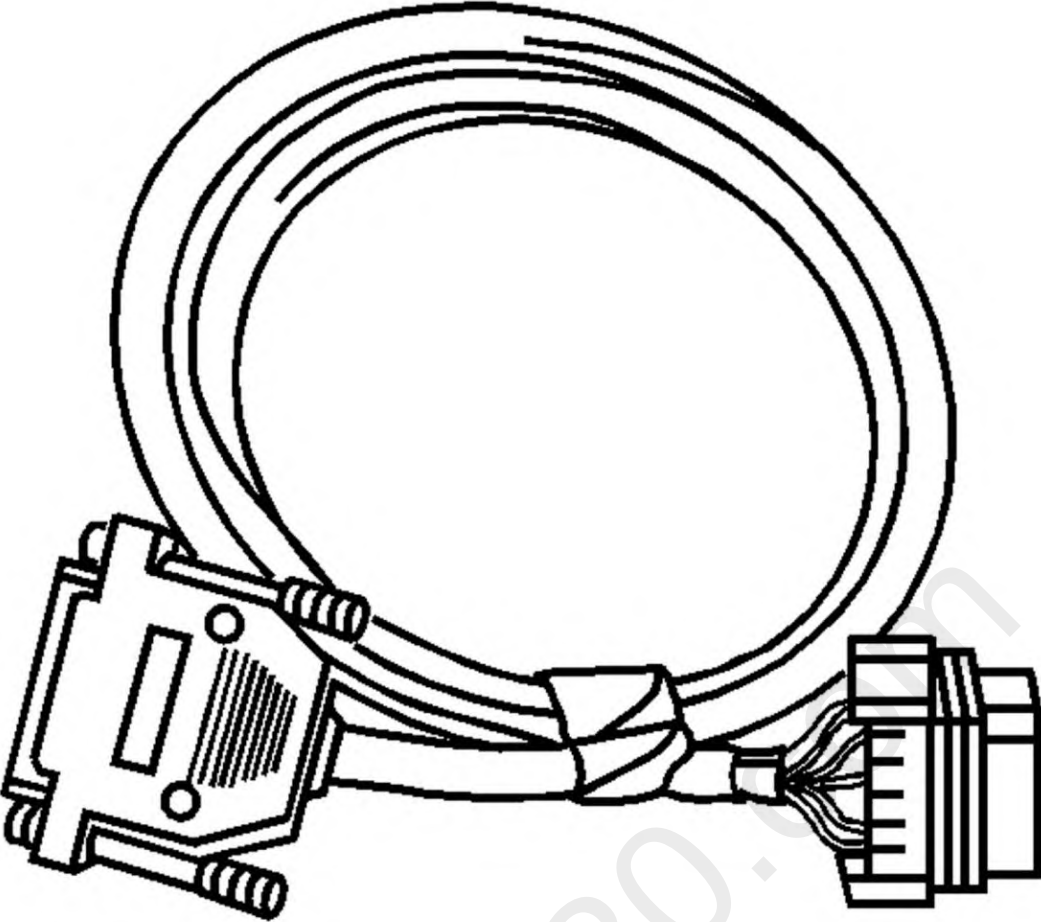
Illustration	Tool Number/Description
	CH-39021-460 J-39021-460 Fuel Injector Test Adapter

Illustration	Tool Number/Description
	CH-41415-30 GE-41415-30 J-41415-30 Fuel Tank Cap Adapter
mcx30.com	

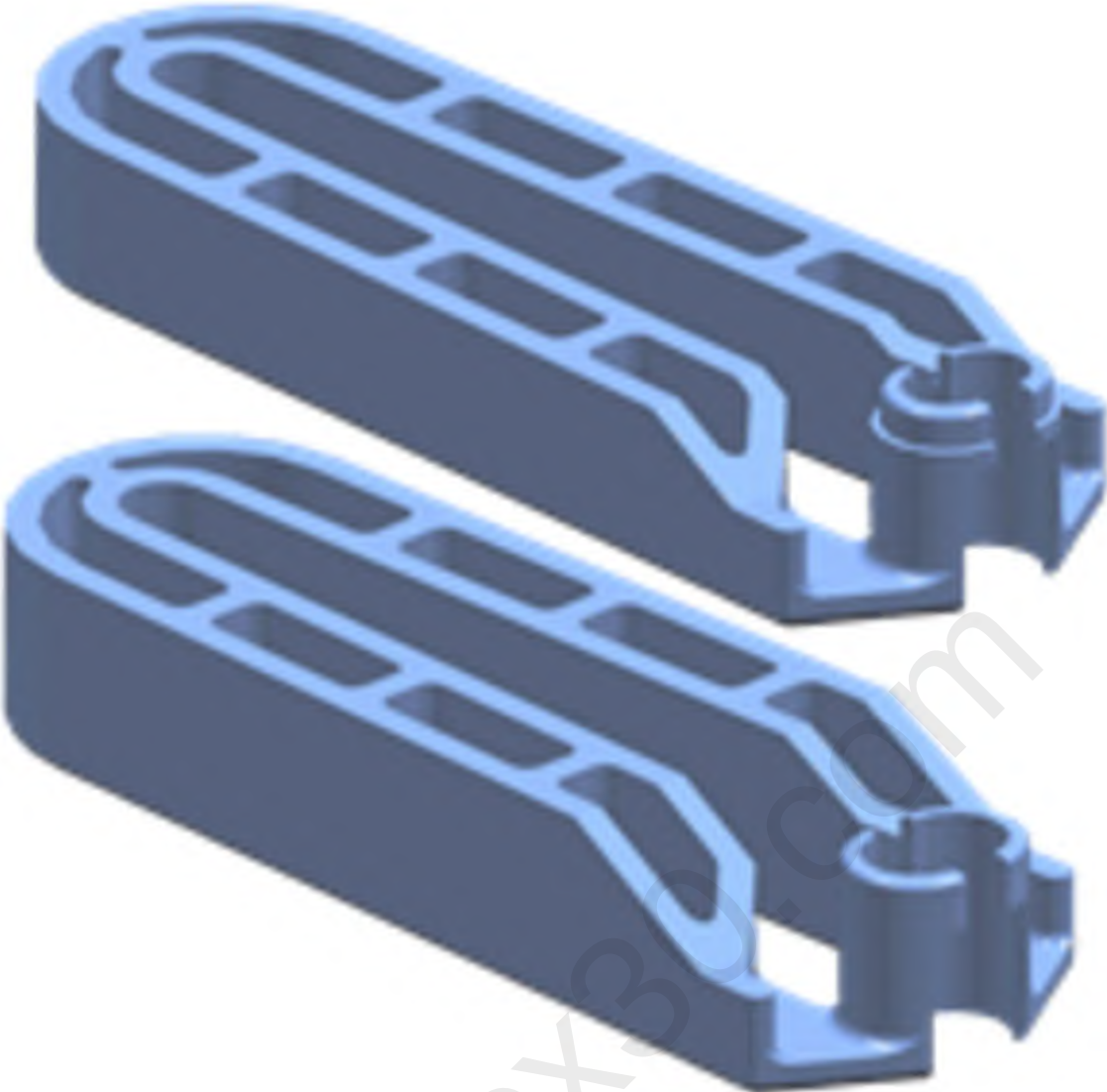
Illustration	Tool Number/Description
	CH-41769 J-41769 Fuel Line Quick Disconnect Tool

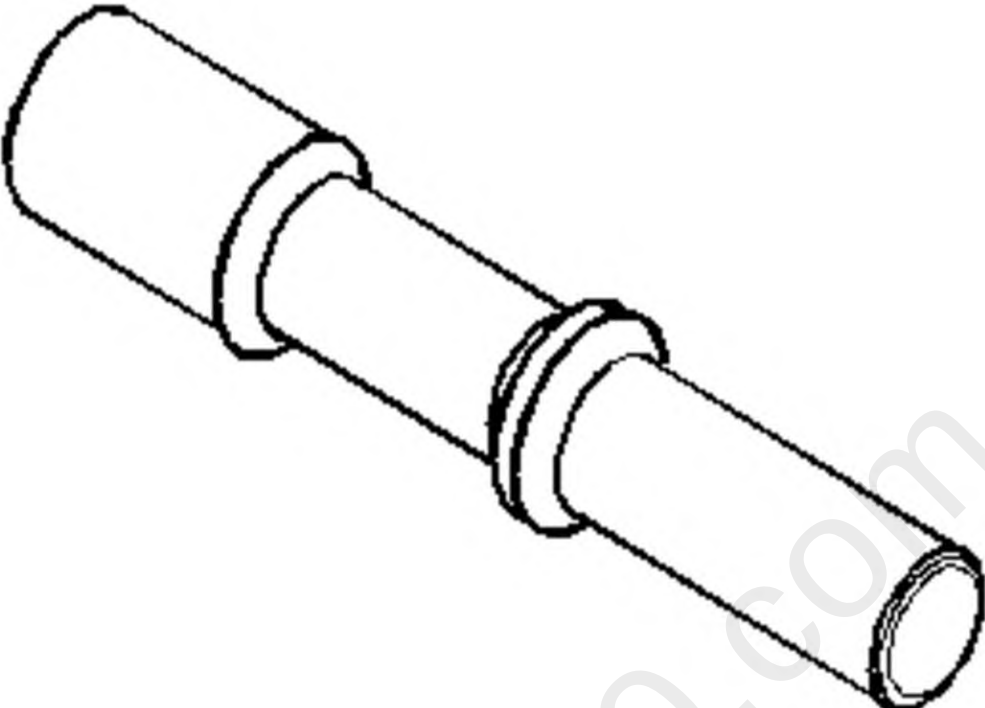
Illustration	Tool Number/Description
	CH-44284-2 J-44284-2 Fuel Flapper Door Holder

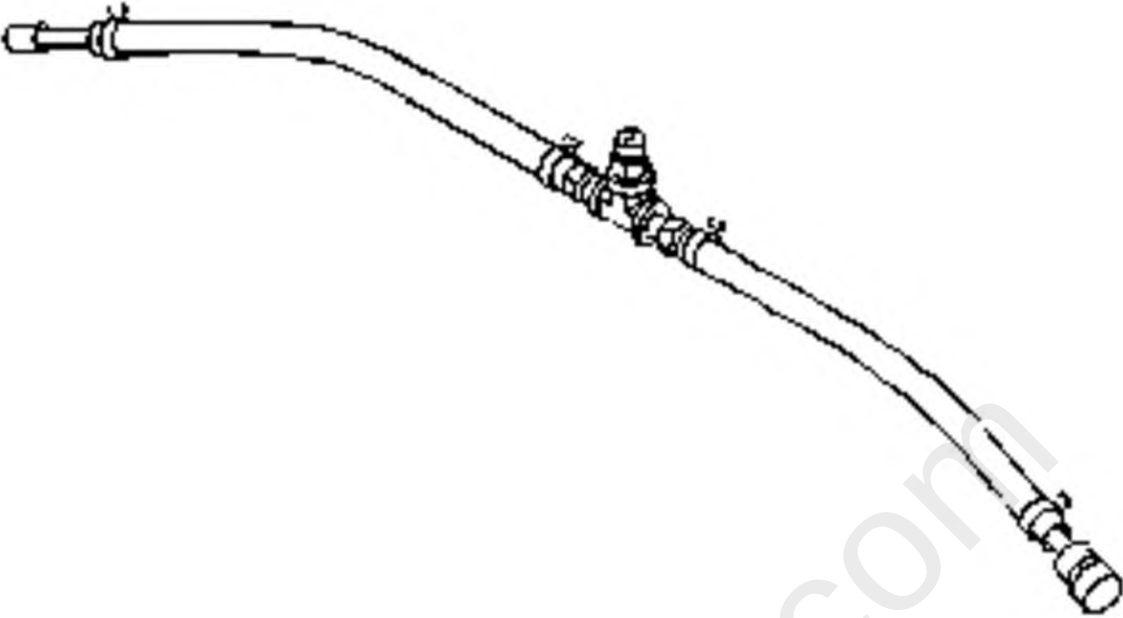
Illustration	Tool Number/Description
	CH-42982 J-42982 Fuel Pressure Gauge Adapter

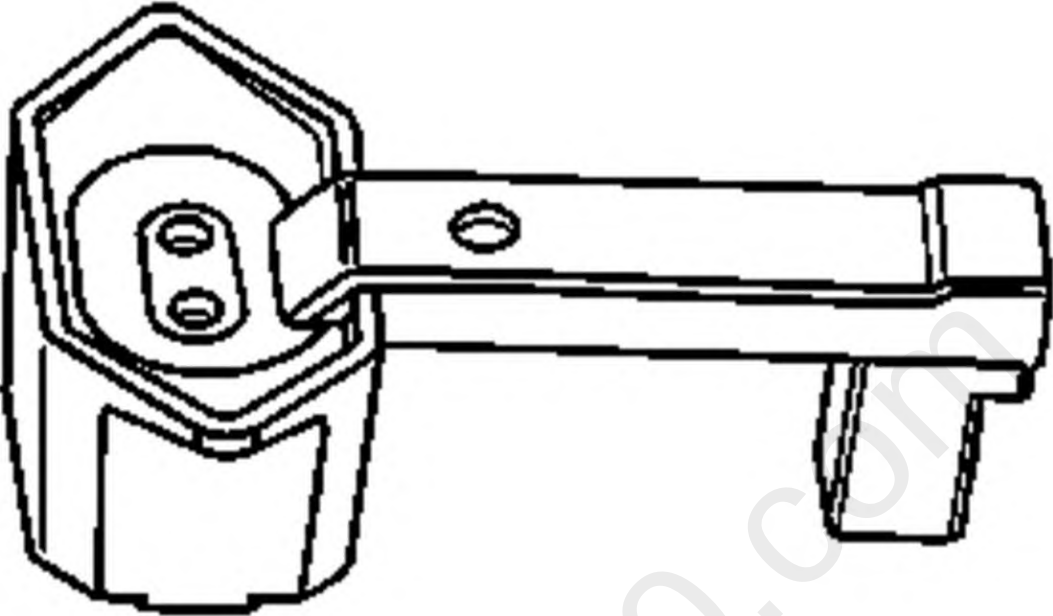
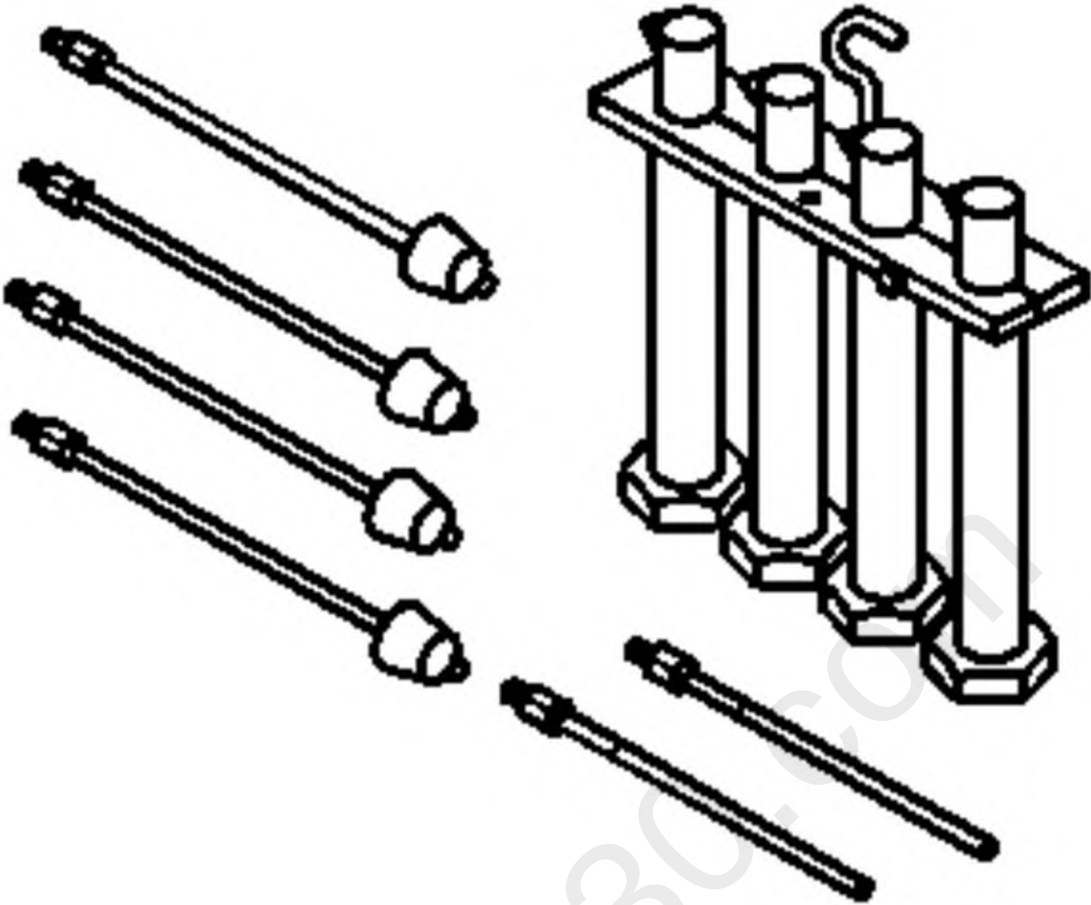
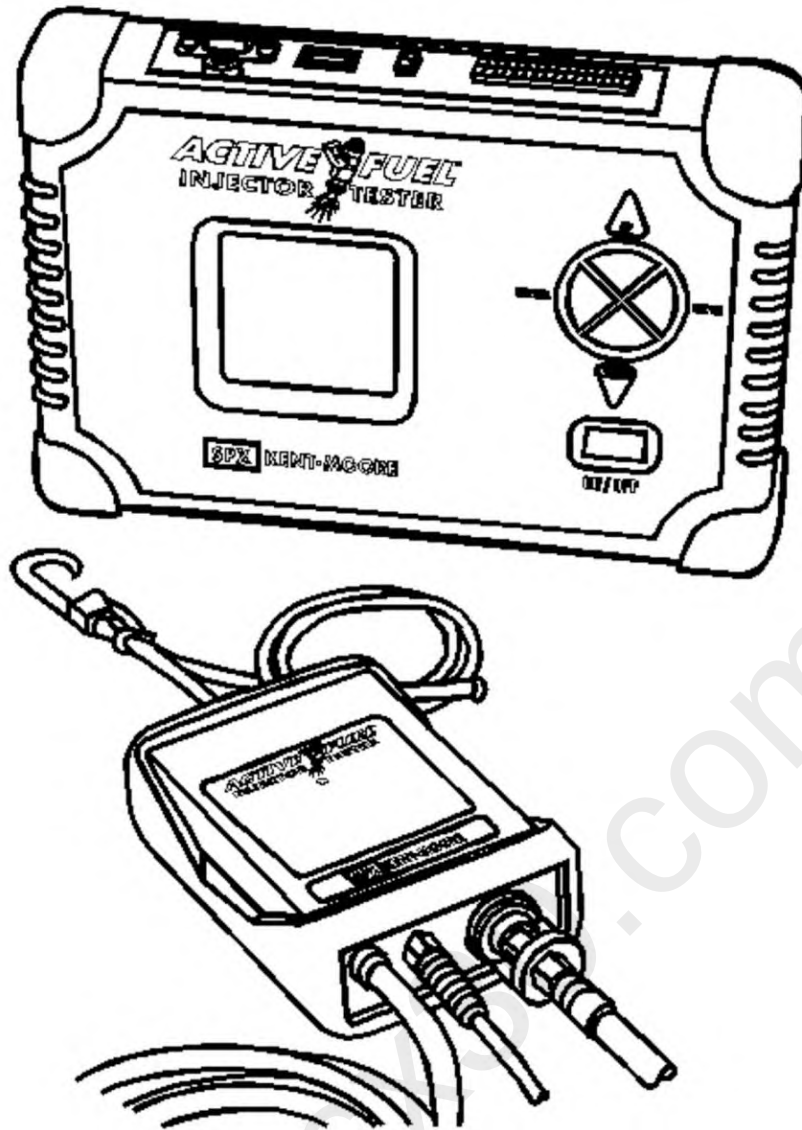
Illustration	Tool Number/Description
	CH-44175-A J-44175-A Fuel Composition Tester

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

Illustration

Tool Number/Description



CH-47976
Active Fuel Injector
Tester (AFIT)

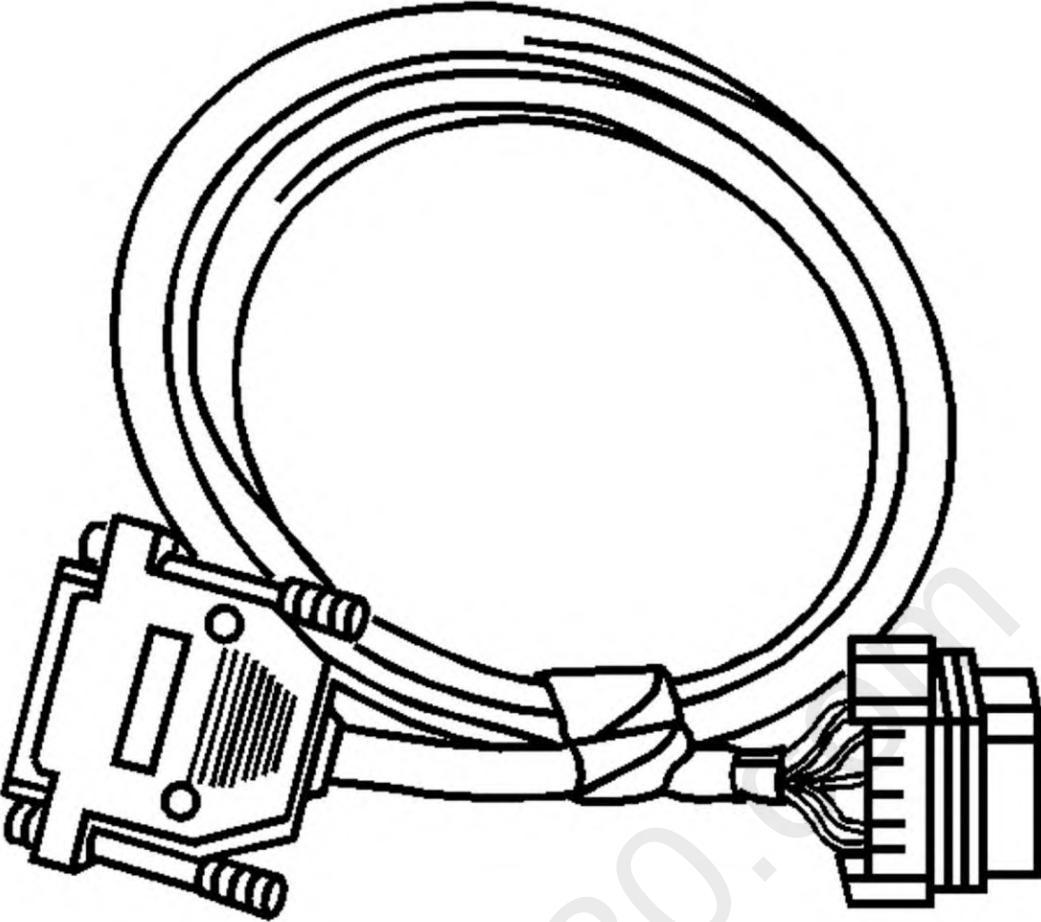
Illustration	Tool Number/Description
	CH-47976-75 Fuel Injector Harness Adapter

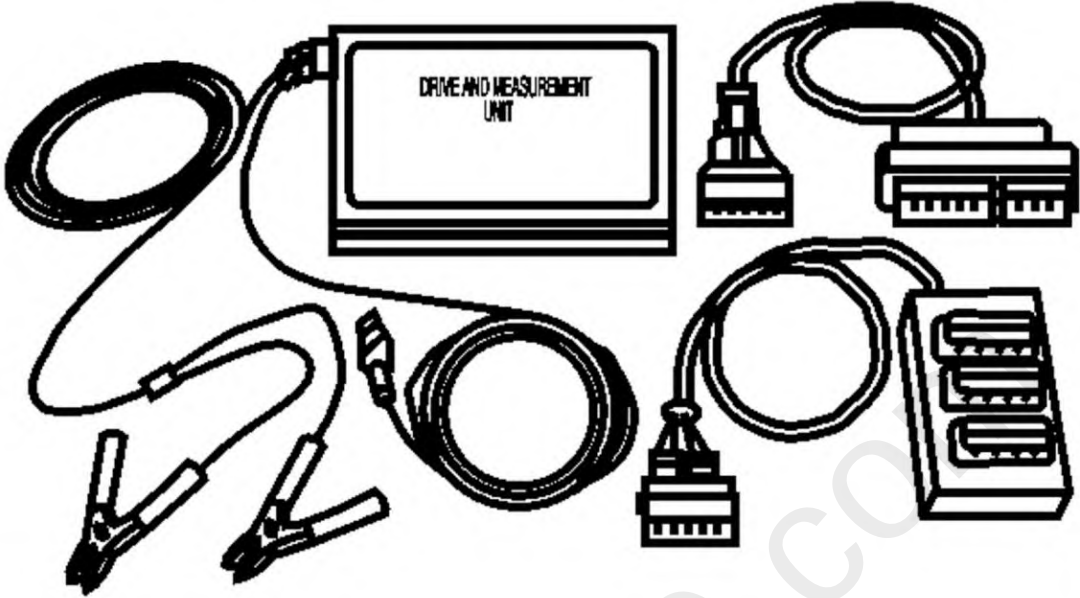
Illustration	Tool Number/Description
	CH-47976-500A Active Fuel Injection Tester (AFIT) SIDI Adapter Kit

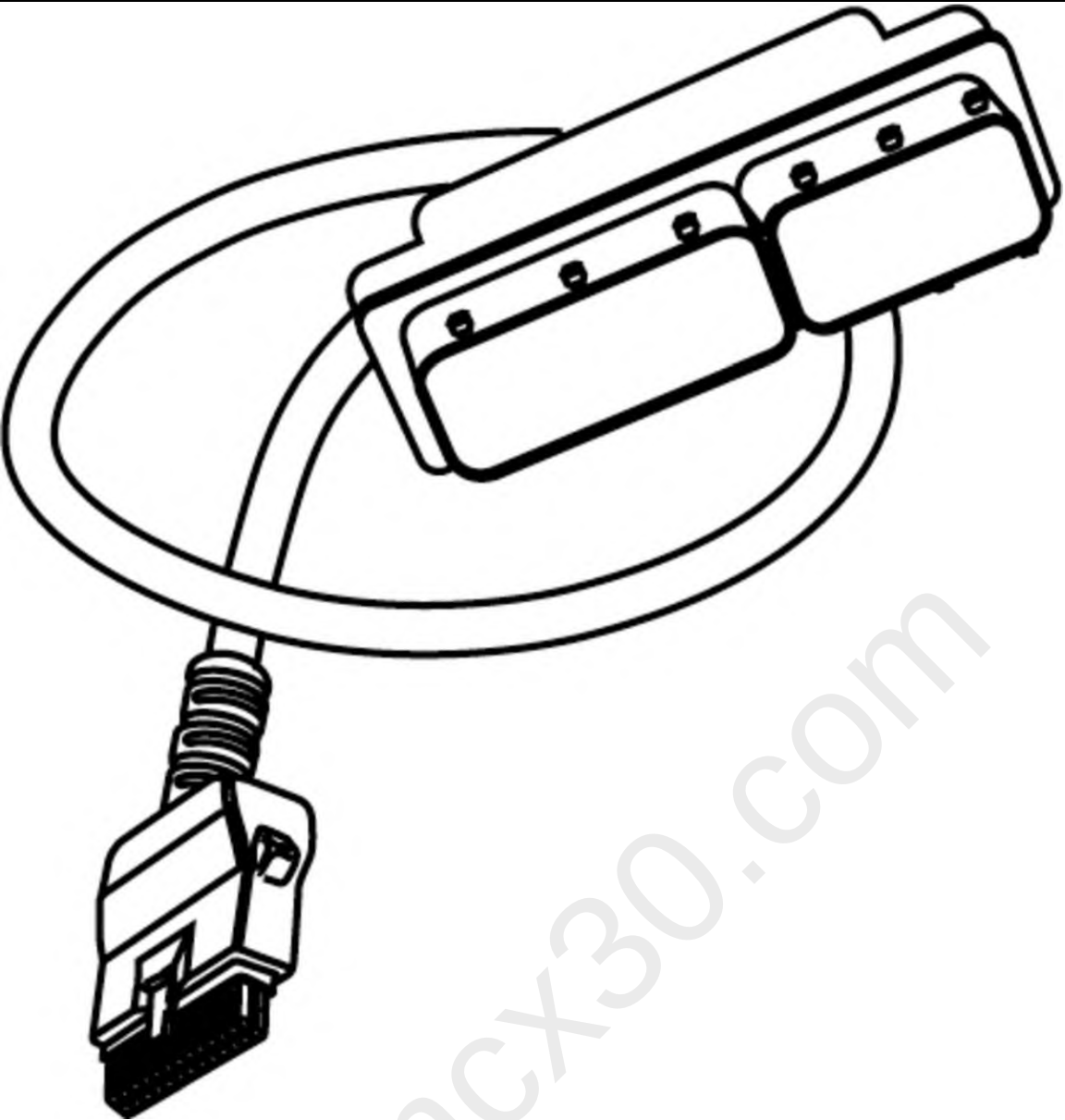
Illustration	Tool Number/Description
	CH-47976-501 AFIT SIDI G1 Adapter Cable

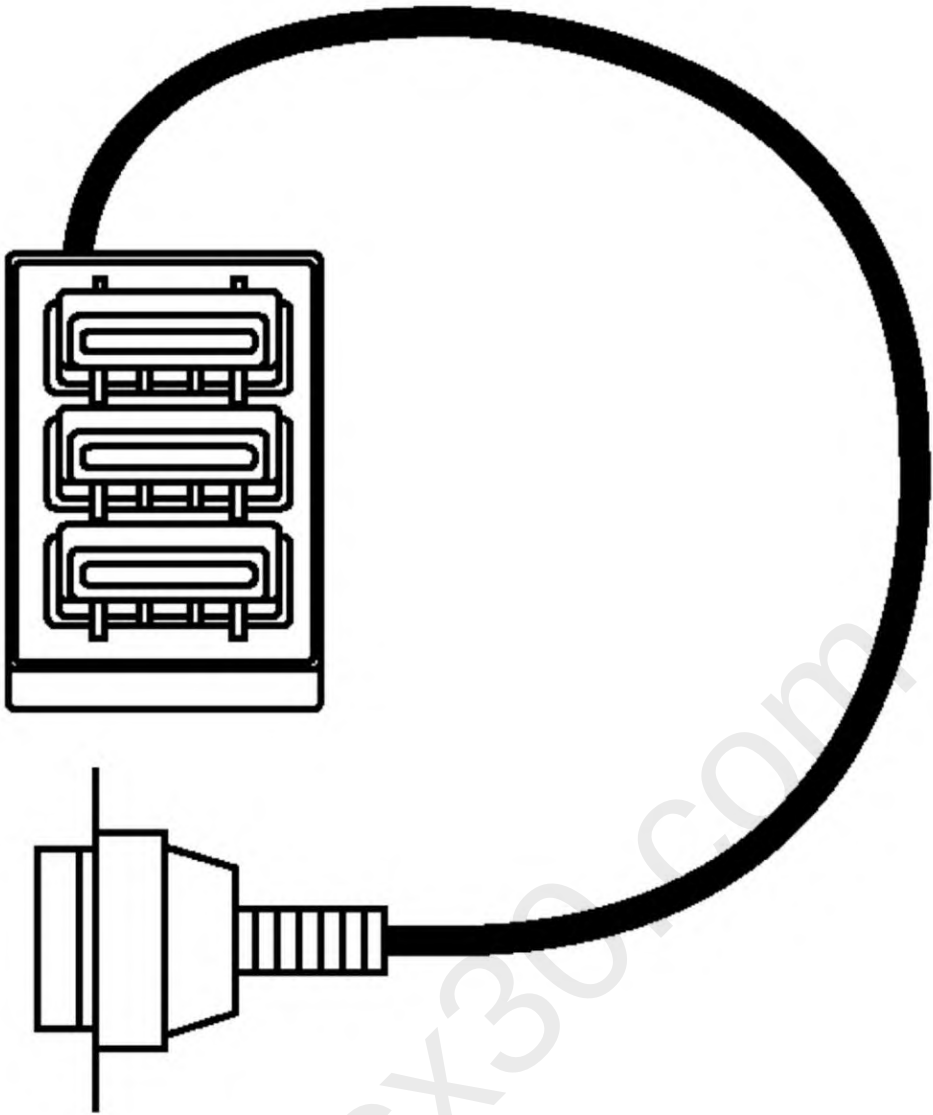
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. At the top left of the loop is a rectangular multi-pin connector with three rows of pins. At the bottom left of the loop is a different connector, which appears to be a circular or cylindrical plug with a series of vertical ridges or segments. A faint watermark 'mcx330.com' is visible across the lower half of the illustration.	CH-47976-502A AFIT SIDI E92 G2A Adapter Cable

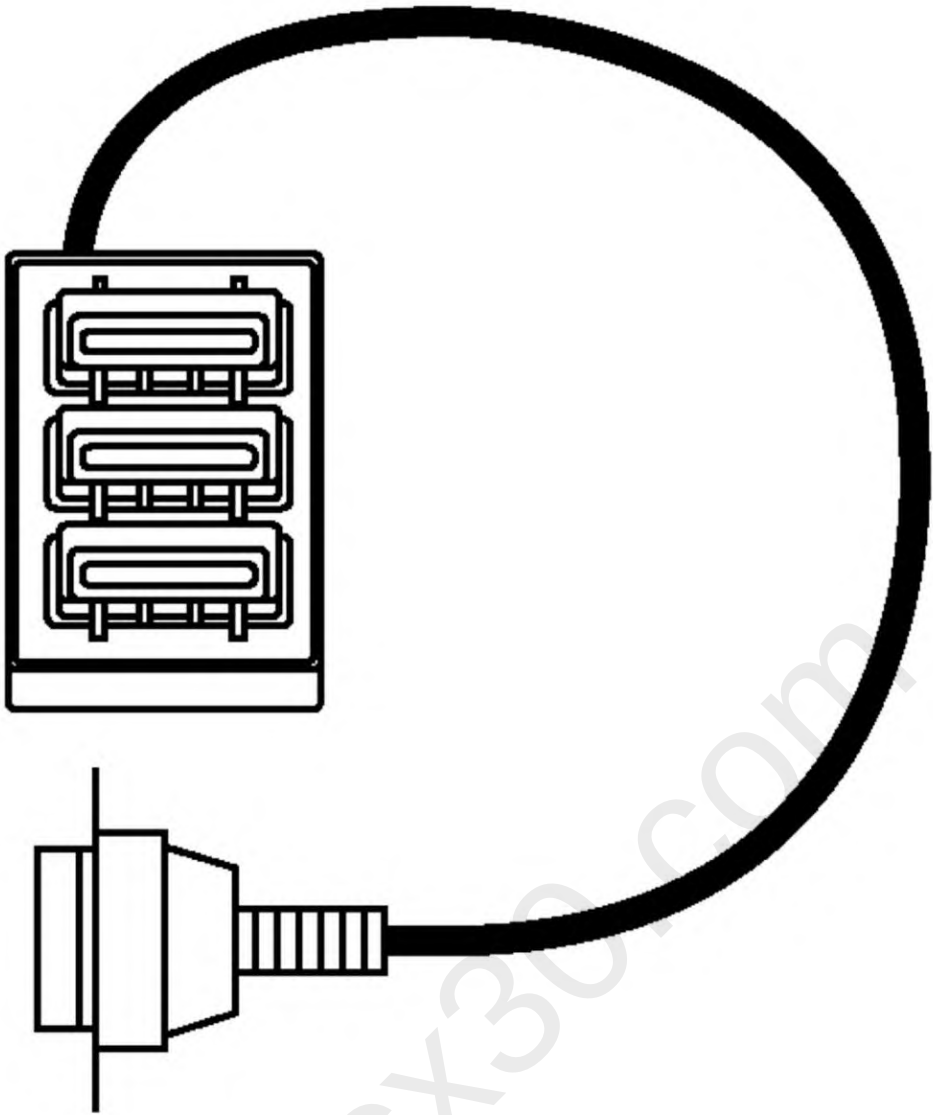
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. On the left side of the loop is a rectangular multi-pin connector with three rows of pins. At the bottom of the loop is a different type of connector, which appears to be a circular or cylindrical plug with a series of vertical ridges or segments. A faint watermark 'mcx330.com' is visible across the lower part of the illustration.	CH-47976-503 AFIT SIDI E80 G3 Adapter Cable

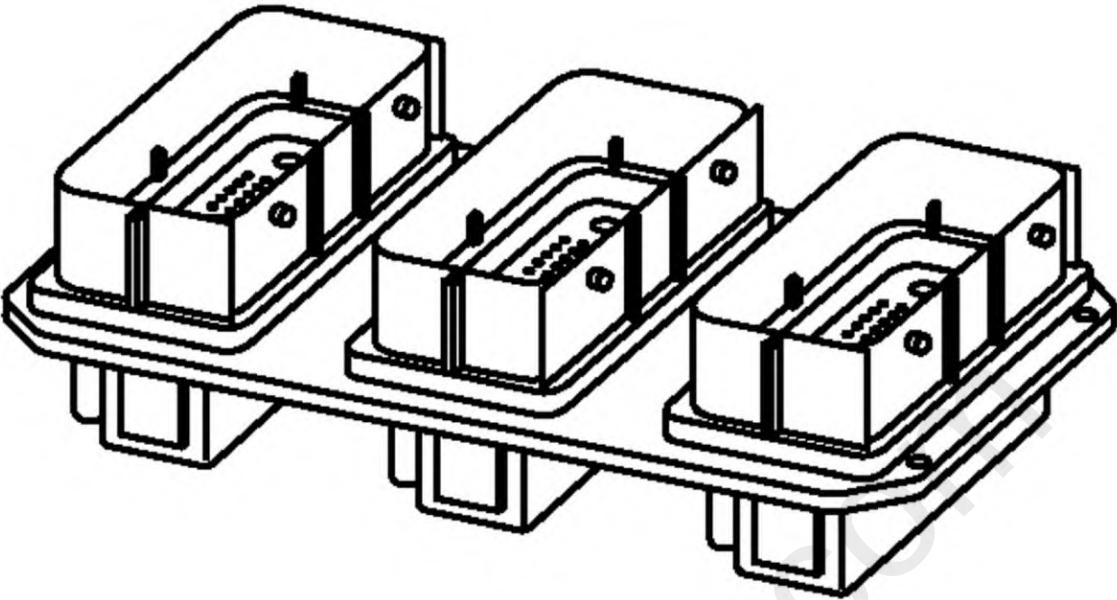
Illustration	Tool Number/Description
	CH-47976-504 E92/E39A G2B Start/Stop Adapter

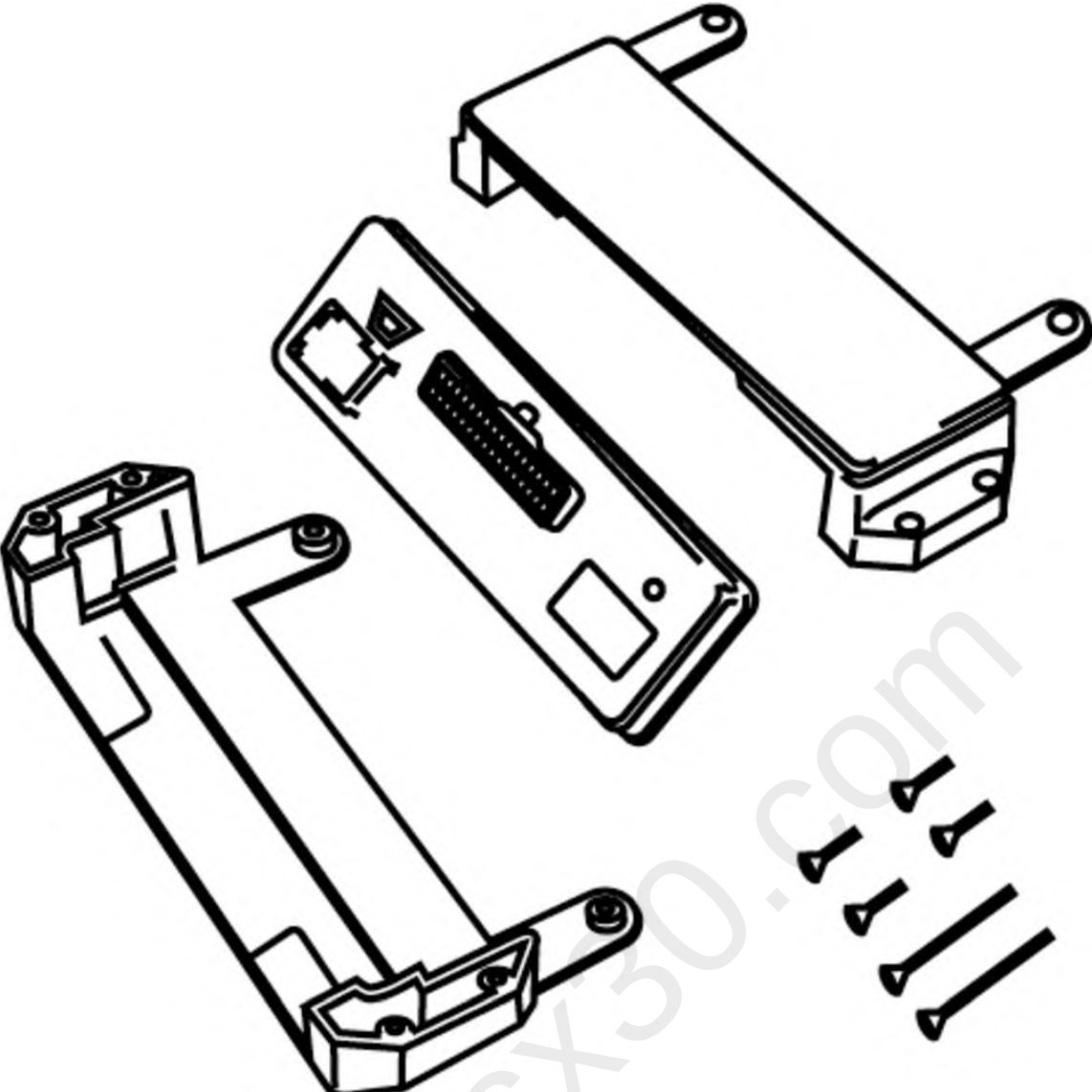
Illustration	Tool Number/Description
 The diagram illustrates the components of the AFIT Sent Adapter. It includes a main rectangular housing with mounting tabs, an internal module with a connector and a chip, and a separate mounting bracket. Additionally, there are five screws of different sizes and types shown separately for assembly.	CH-47976-507 AFIT Sent Adapter

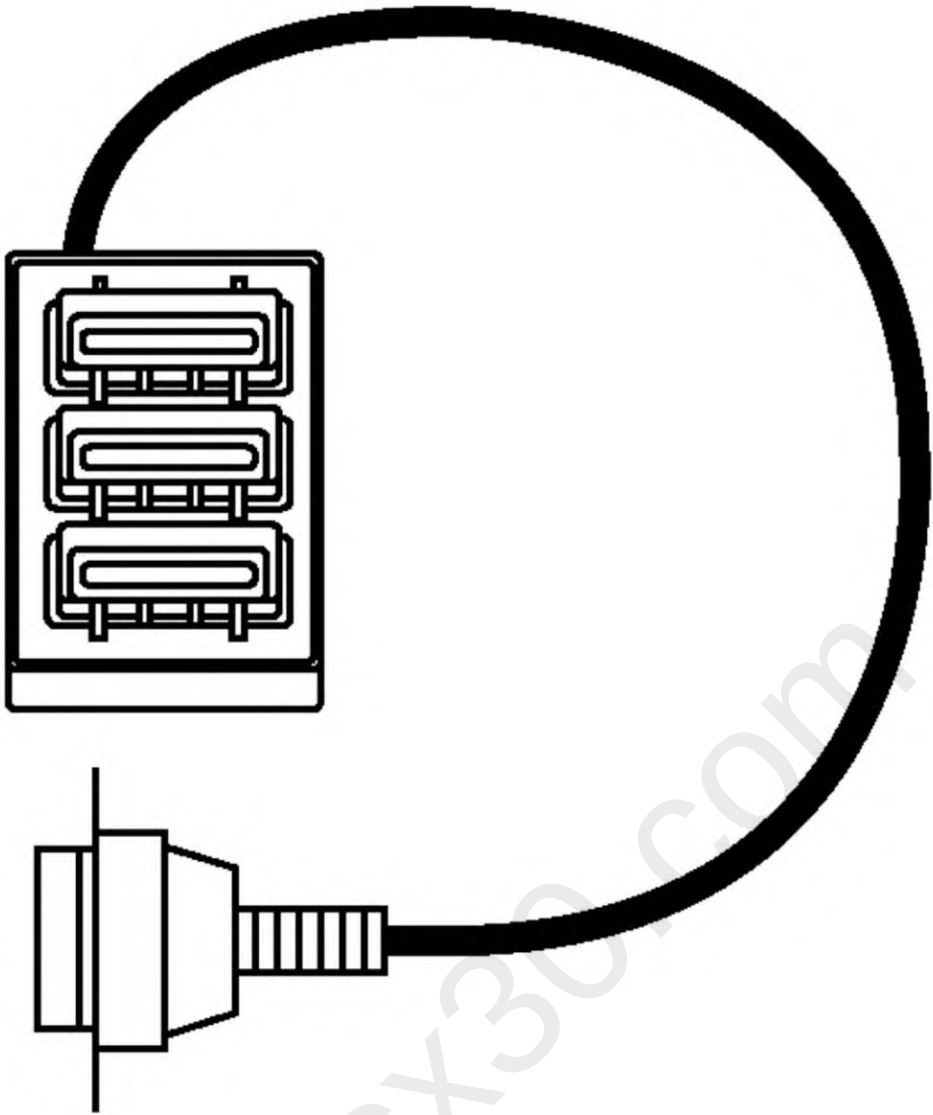
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. On the left side of the loop is a rectangular multi-pin connector with three rows of pins. At the bottom of the loop is a different type of connector, which appears to be a circular or cylindrical plug with a series of vertical ridges or segments. A faint watermark 'mcx330.com' is visible across the lower part of the illustration.	CH-47976-509 AFIT SIDI E81 G4 Adapter Cable

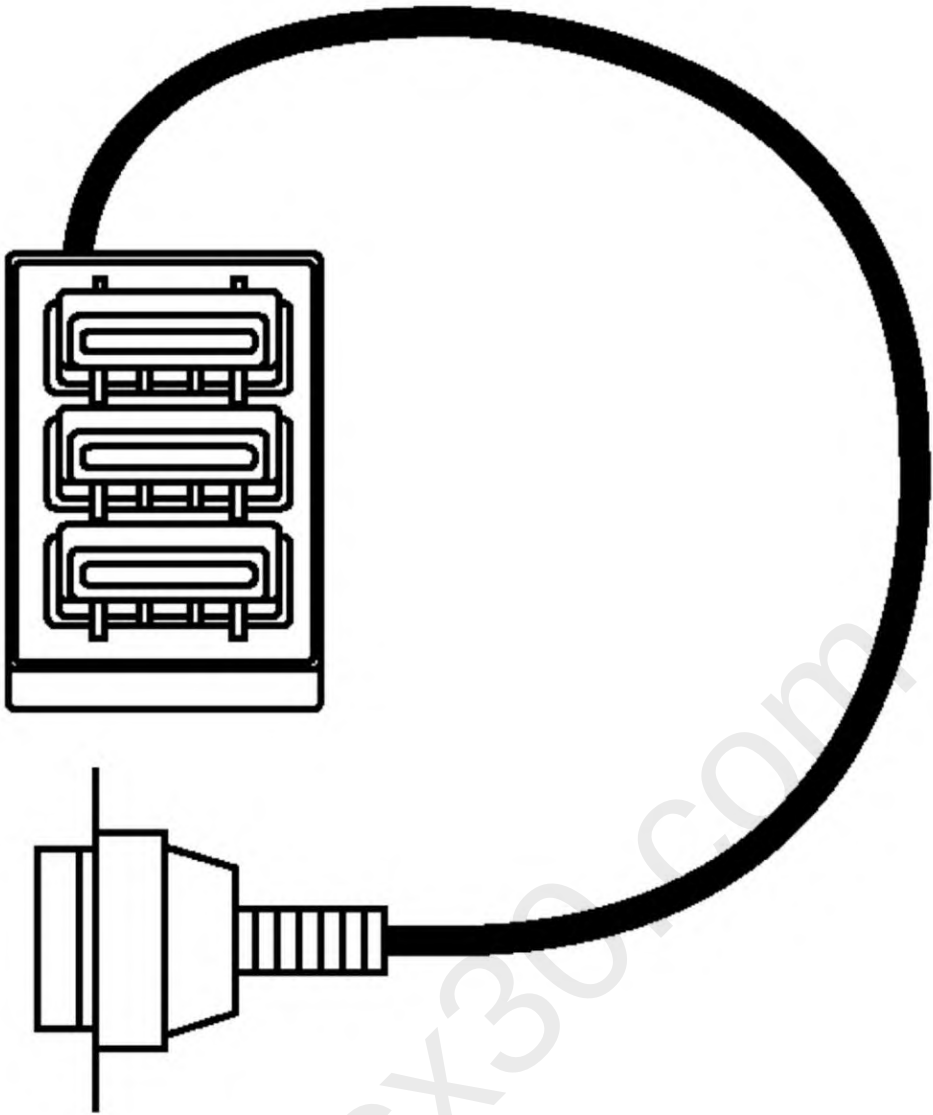
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. At the top left of the loop is a rectangular multi-pin connector with three rows of pins. At the bottom left of the loop is a different connector, which appears to be a circular or cylindrical plug with a series of vertical ridges or segments. A faint watermark 'mcx330.com' is visible across the lower half of the illustration.	CH-47976-511 AFIT SIDI E82 G5 Adapter Cable

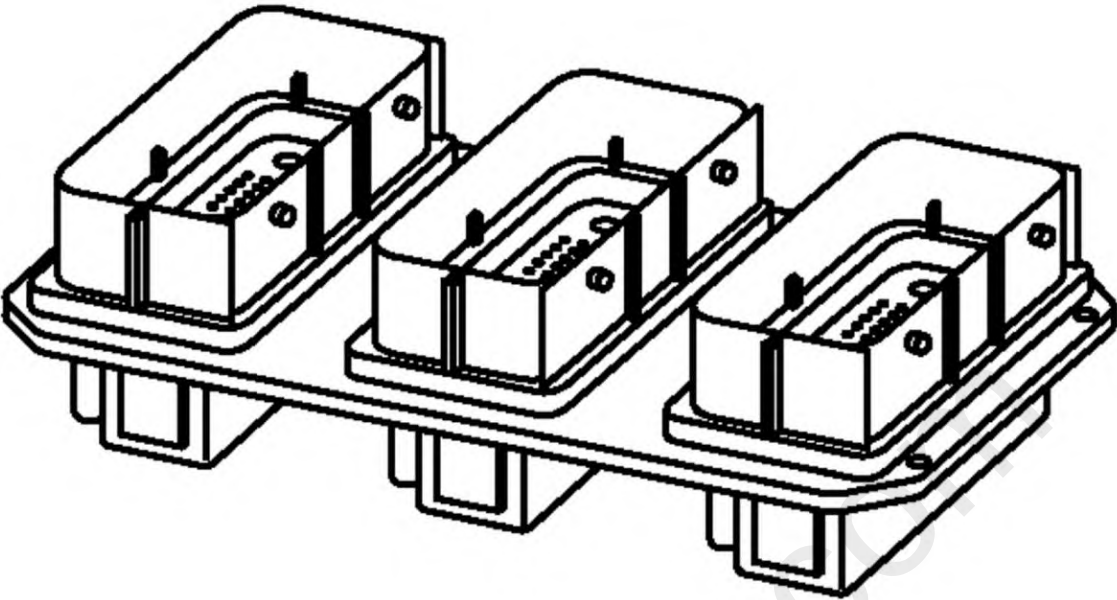
Illustration	Tool Number/Description
 The illustration shows three identical rectangular adapters mounted side-by-side on a common base. Each adapter has a top surface with a series of small, raised rectangular features. The base has a series of rectangular slots. A large, faint watermark 'mcx30.com' is visible across the bottom half of the image.	CH-47976-512 E80 G3B Stop/Start Adapter

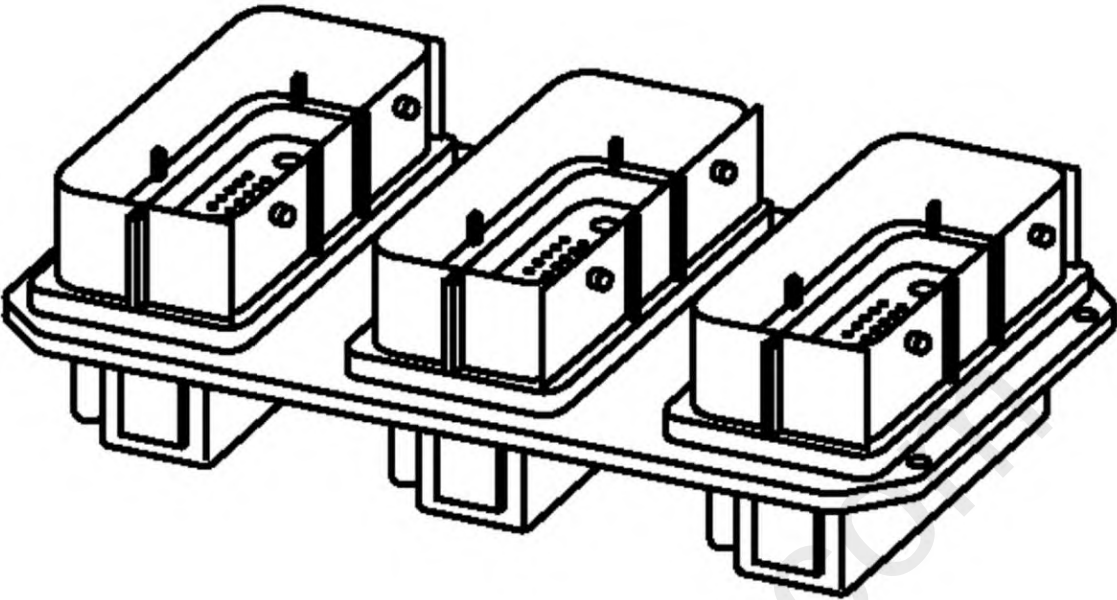
Illustration	Tool Number/Description
 The illustration shows three identical electronic modules, identified as E92 G2C Stop/Start and SENT Adapters, arranged in a row on a common base. Each module has a rectangular top housing with a recessed area containing a series of pins or contacts. The base of each module features a U-shaped cutout. A large, faint watermark 'mcx30.com' is visible diagonally across the lower half of the image.	CH-47976-513 E92 G2C Stop/Start and SENT Adapter

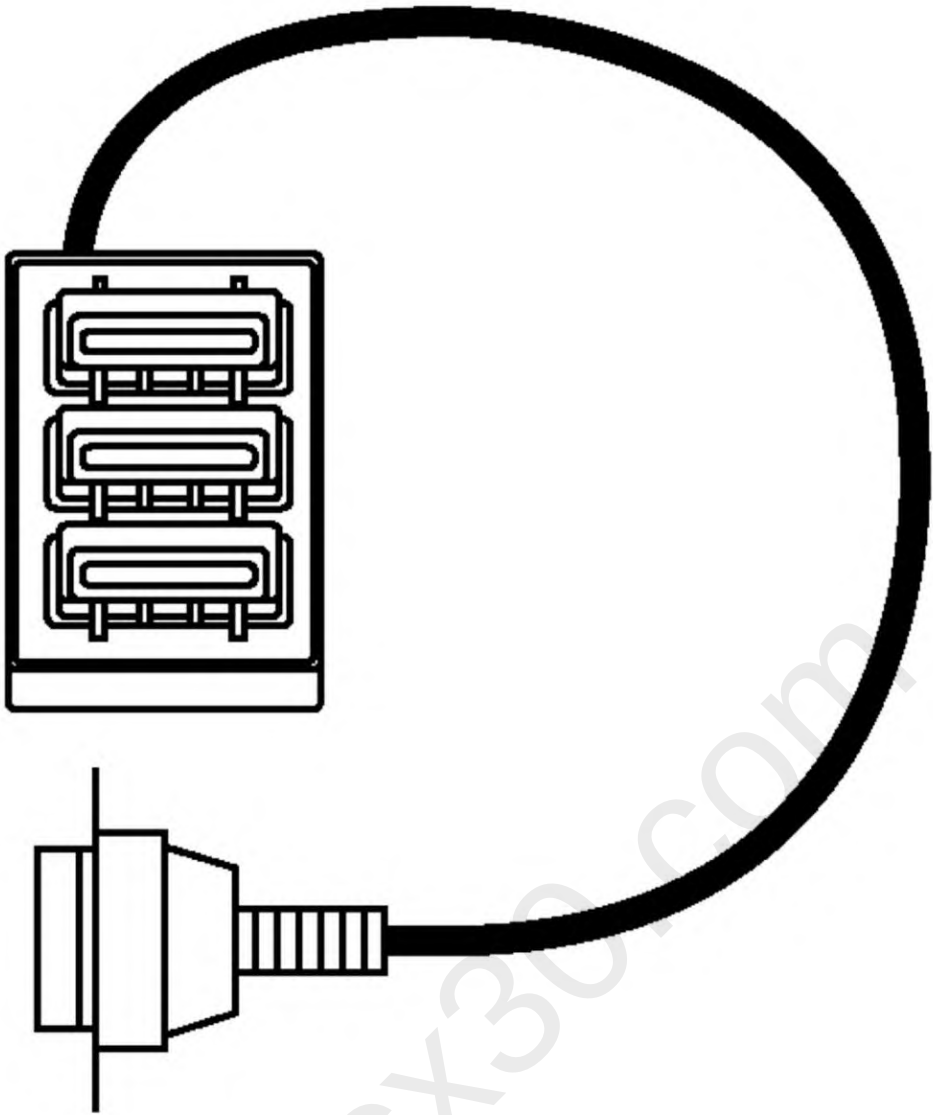
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. On the left side of the loop is a rectangular multi-pin connector with three rows of pins. At the bottom of the loop is a different type of connector, which appears to be a circular or cylindrical plug with a series of vertical ridges or segments. A faint watermark 'mcx330.com' is visible across the lower half of the illustration.	CH-47976-514 AFIT SIDI E88 G6 Adapter Cable

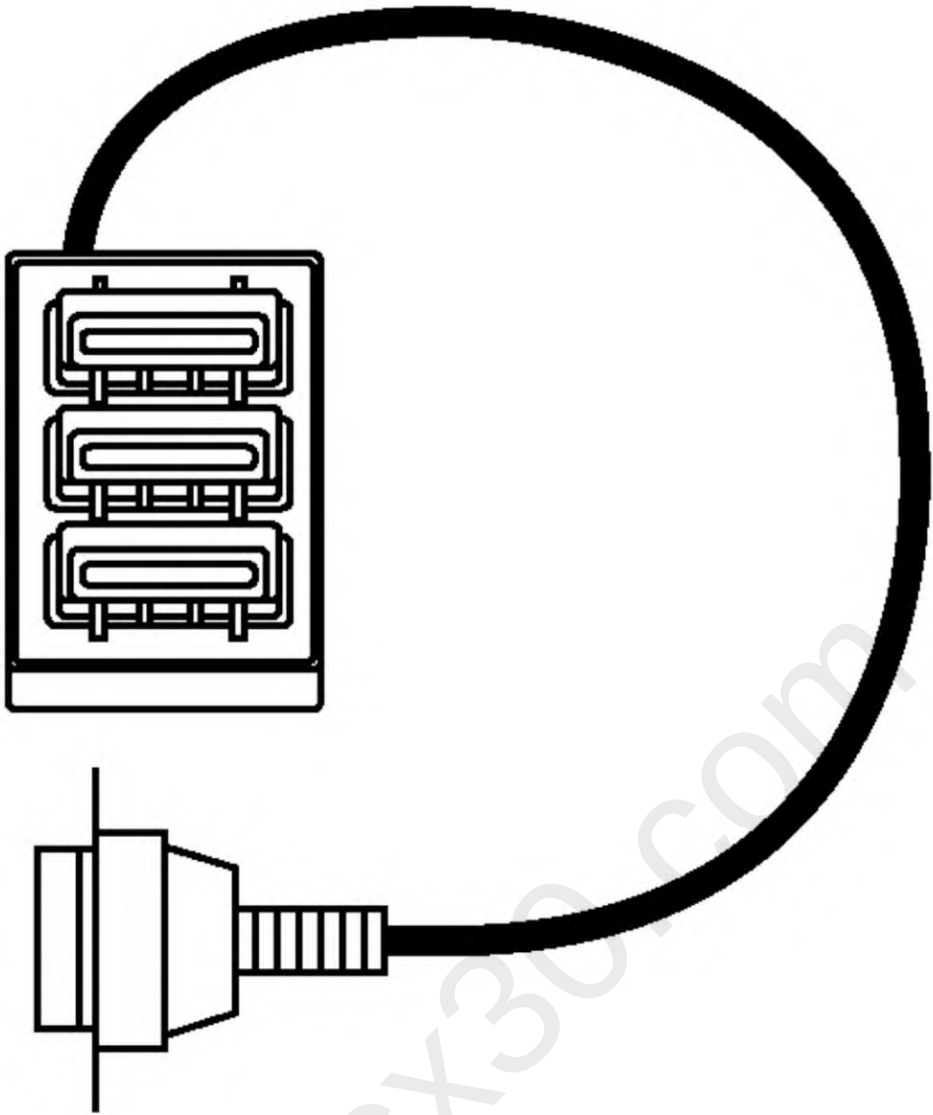
Illustration	Tool Number/Description
 The illustration shows a cable with a multi-pin connector on the left and a circular loop on the right. The connector has three rows of pins, each row with four pins. The cable is a thick black line that forms a large loop. A watermark 'mcx330.com' is visible across the image.	CH-47976-515 AFIT Universal Cable

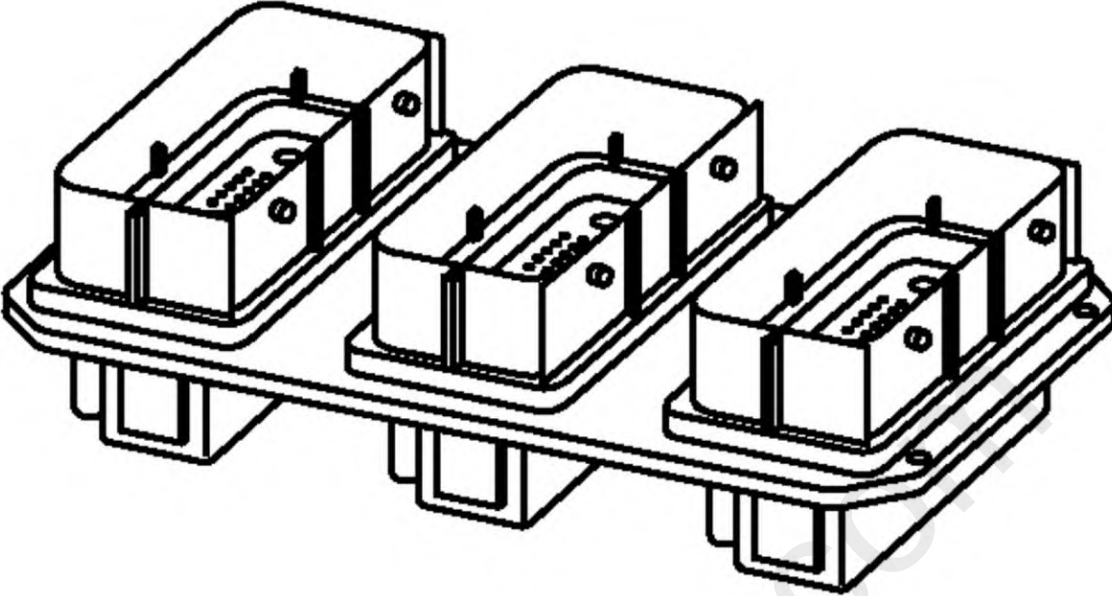
Illustration	Tool Number/Description
	CH-47976-516 AFIT E01 G7 Adapter Cable

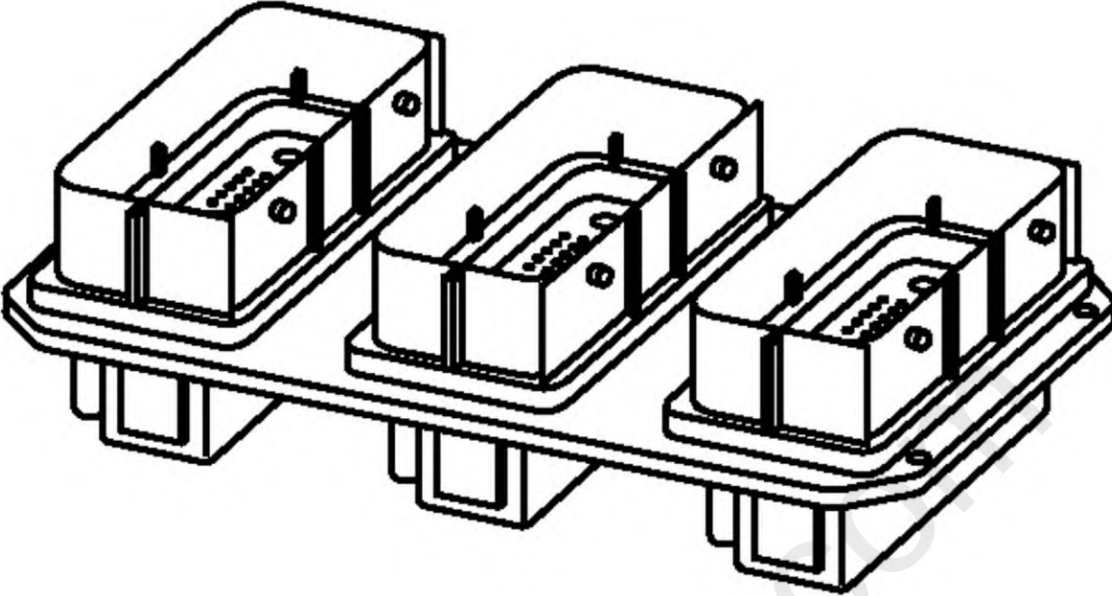
Illustration	Tool Number/Description
	CH-47976-517 AFIT E90 & E93 G8 Adapter Cable

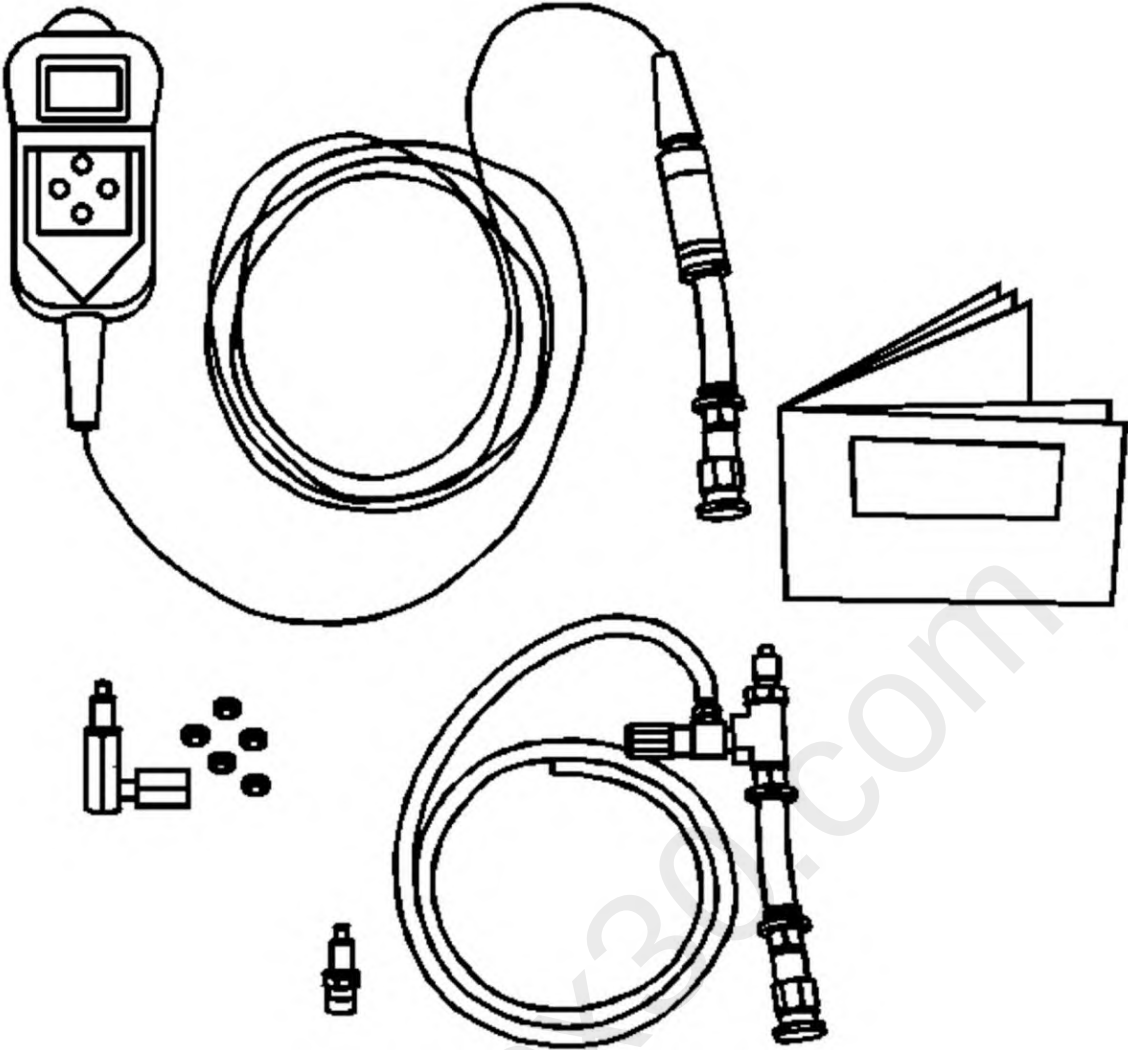
Illustration	Tool Number/Description
	CH-48027 Fuel Pressure Gauge

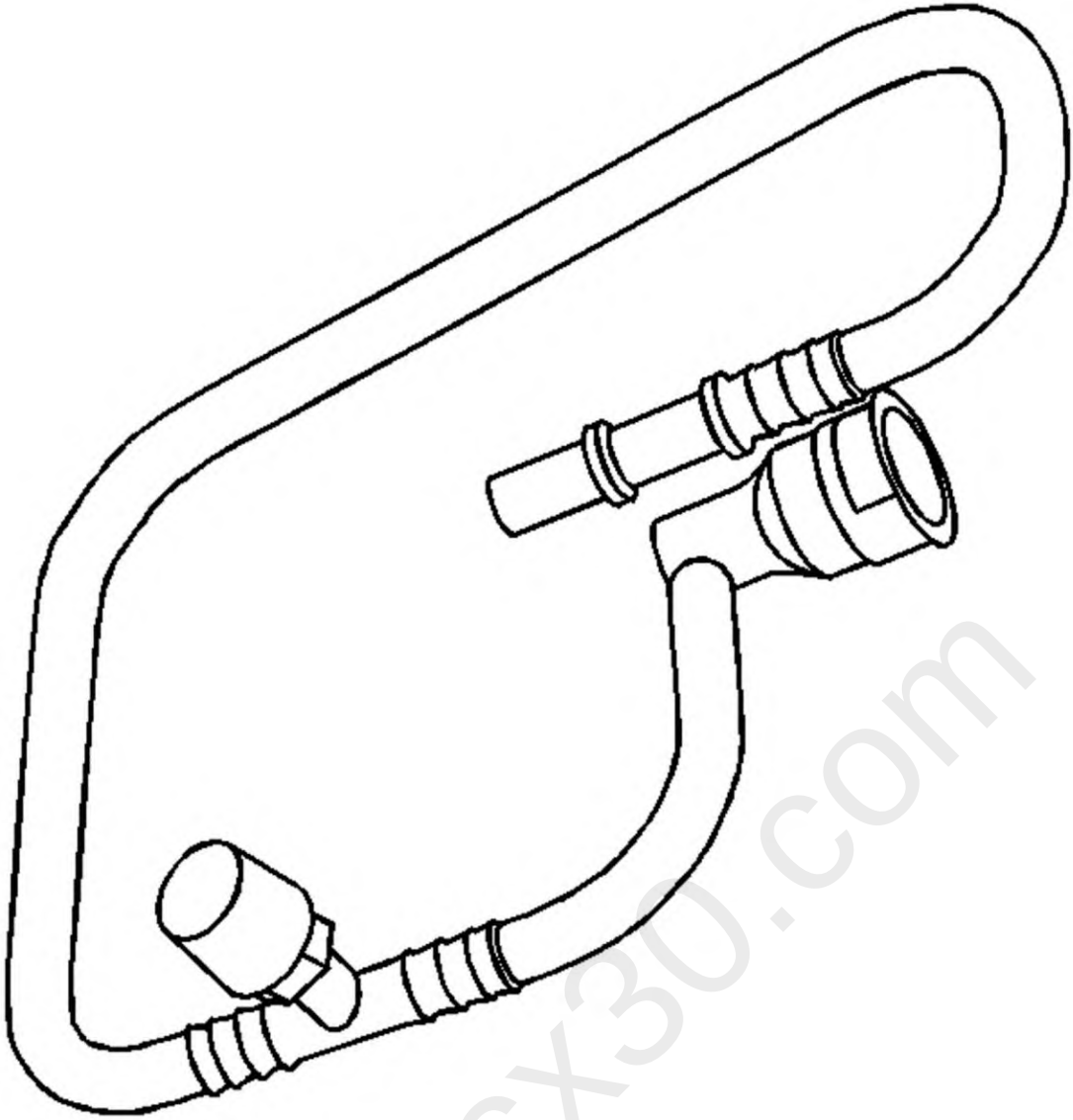
Illustration	Tool Number/Description
 A line drawing of a coiled hose. The hose has three connectors. One connector is a large, open, cylindrical port with a flared end. Another connector is a medium-sized, closed, cylindrical port. The third connector is a small, closed, cylindrical port. The hose is coiled in a loose 'U' shape. A faint watermark 'mcx30.com' is visible across the lower half of the illustration.	CH-48096 EVAP Service Access Port Tool

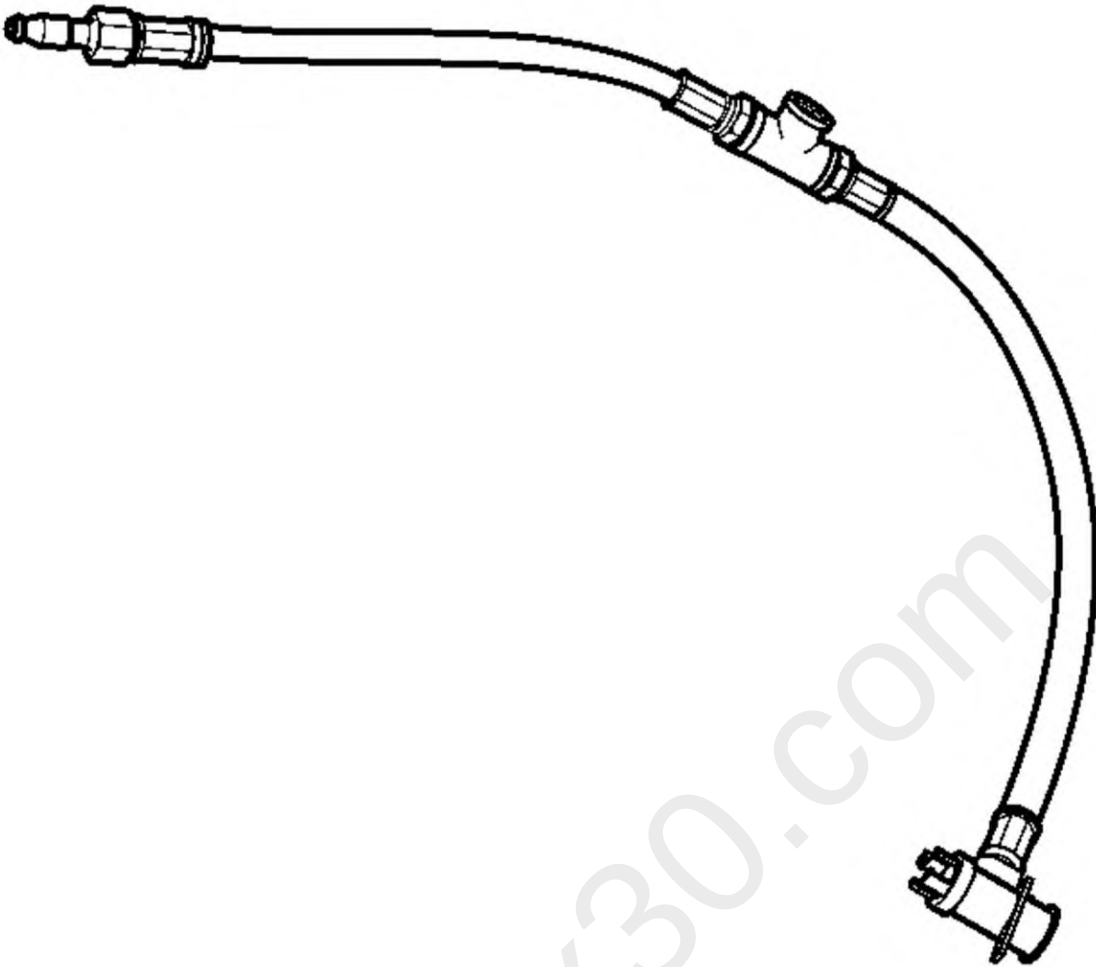
Illustration	Tool Number/Description
	CH-50375 Diesel Injector Return Line Pressure Adapter

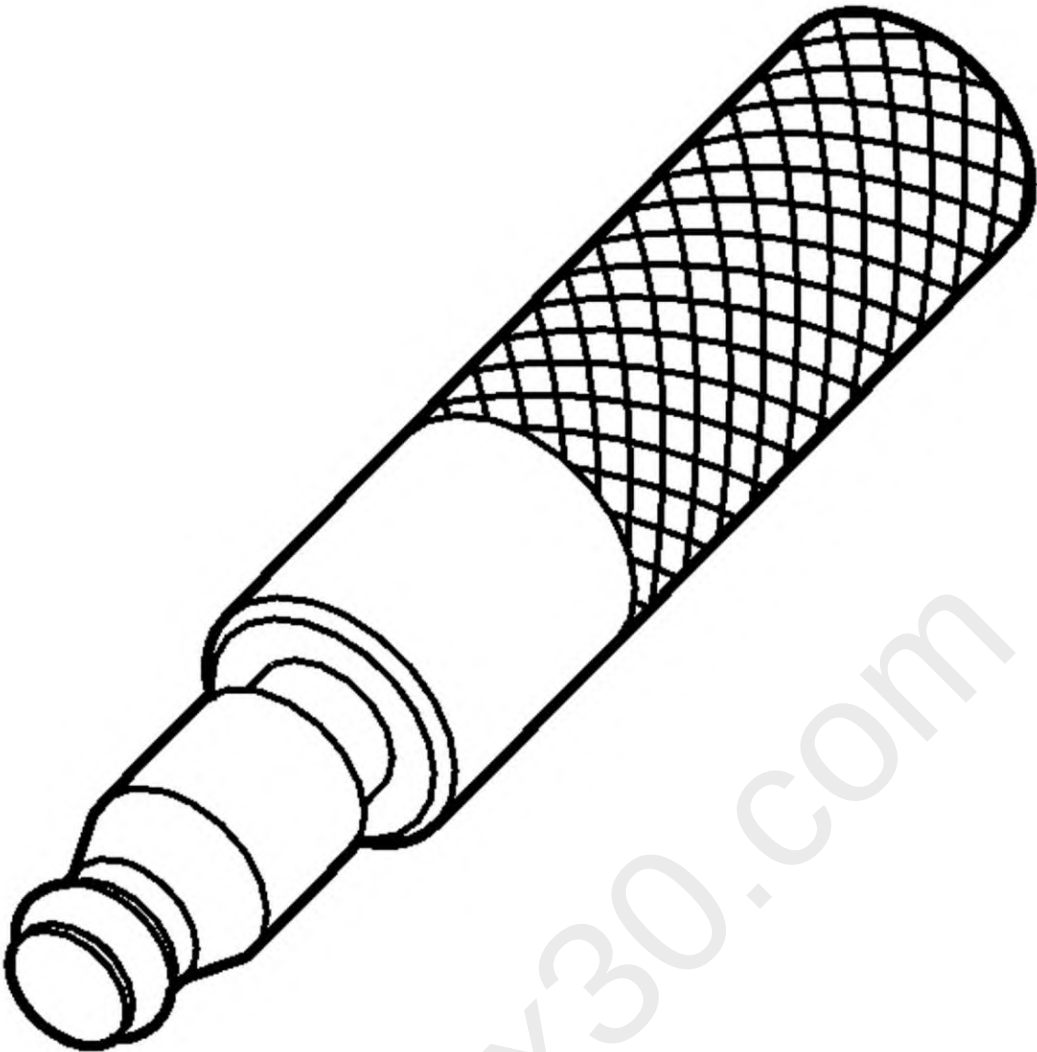
Illustration	Tool Number/Description
 A technical line drawing of a cylindrical tool, likely a cap or plug. The tool features a long, tapered body with a knurled (cross-hatched) grip section on the right side. The left end of the tool is threaded, with a small flange or shoulder near the tip. A large, light gray watermark 'mcx30.com' is oriented diagonally across the center of the image.	CH-50377-A Injector Return Line Cap

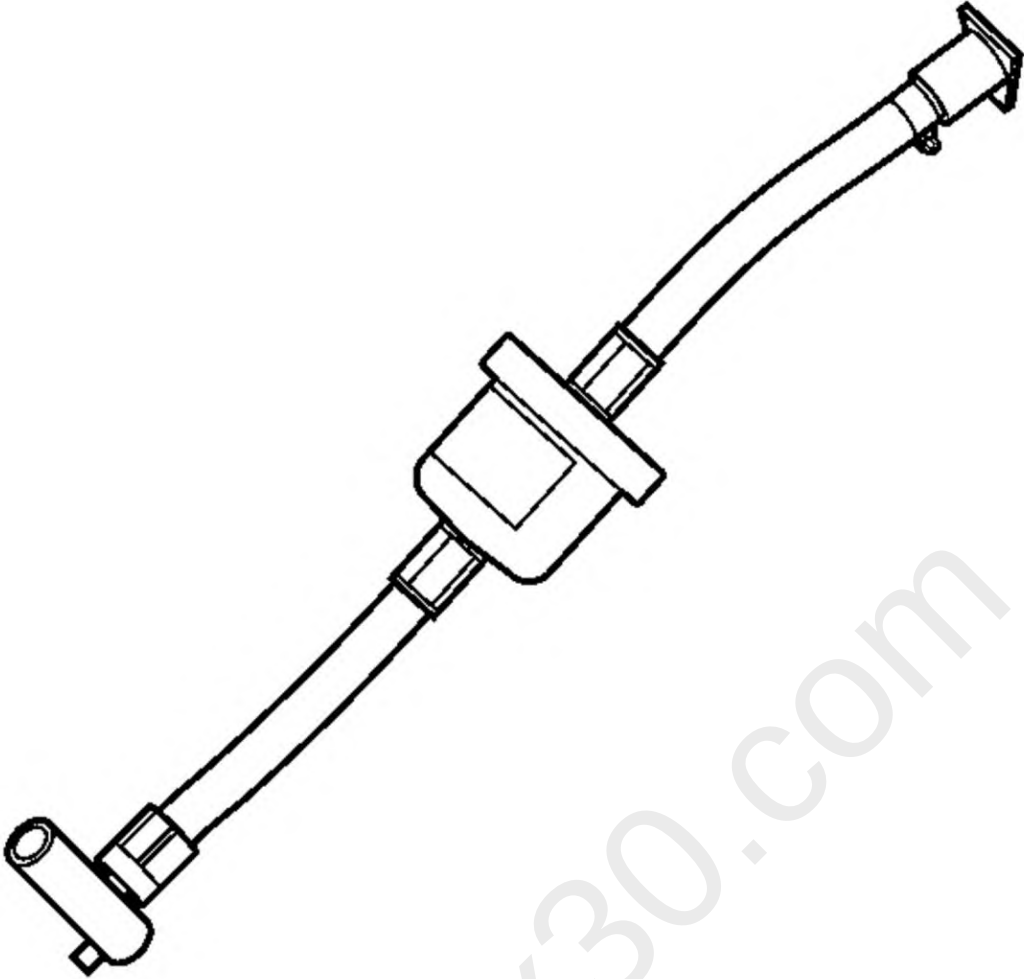
Illustration	Tool Number/Description
	CH-50378 Injector Return Leakage Test Adapter

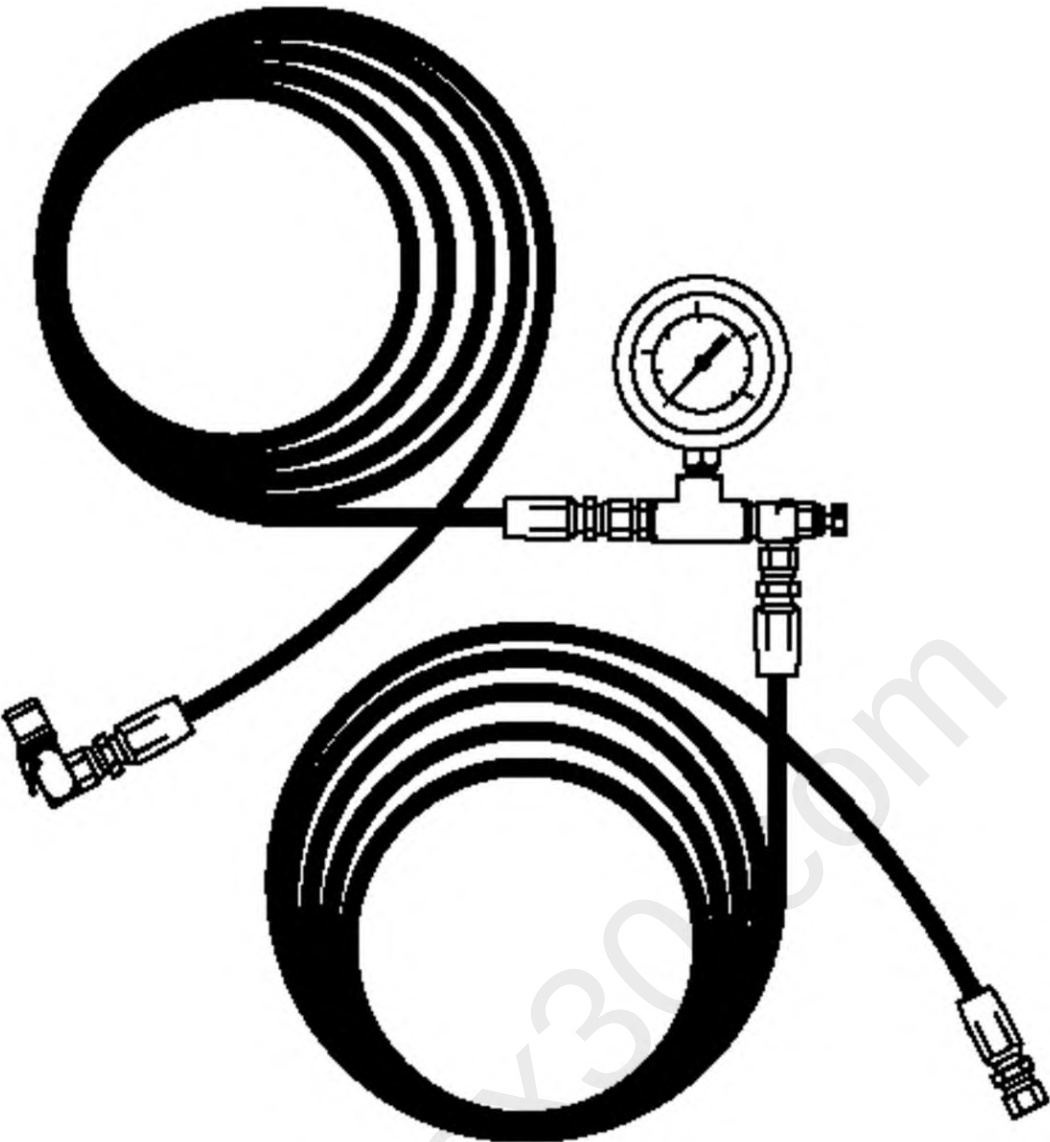
Illustration	Tool Number/Description
 The illustration shows a black and white line drawing of a liquid propane gas (LPG) gauge assembly. It consists of a central gauge with a circular face and a needle. Two hoses are connected to the gauge: one on the left and one on the right. Each hose has a coiled section and ends in a connector. The connectors are designed for quick coupling to a propane system. A faint watermark 'mcx30.com' is visible across the lower part of the illustration.	CH-50933 Gauge Assembly, Liquid Propane Gas (LPG)

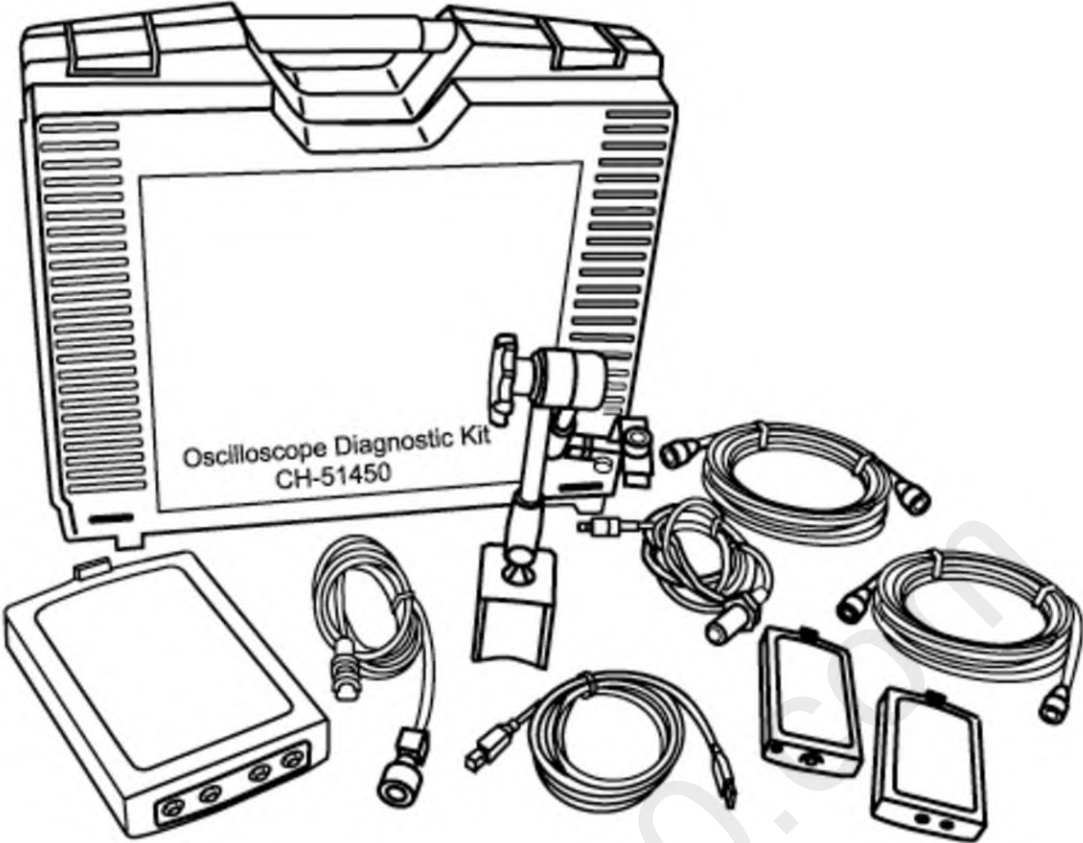
Illustration	Tool Number/Description
 The illustration shows the CH-51450 Oscilloscope Diagnostic Kit. The main component is a ruggedized oscilloscope with a large screen and a handle on top. The screen displays the text "Oscilloscope Diagnostic Kit CH-51450". Surrounding the oscilloscope are several accessories: a small rectangular device, a coiled cable with a connector, a coiled cable with a different connector, a coiled cable with a third connector, a small rectangular device, and two small rectangular devices. A large watermark "mcx30-30" is visible across the illustration.	CH-51450 - A Oscilloscope Diagnostic Kit

Illustration	Tool Number/Description
	CH-51450 - LEAD-A Diagnostic Lead Kit

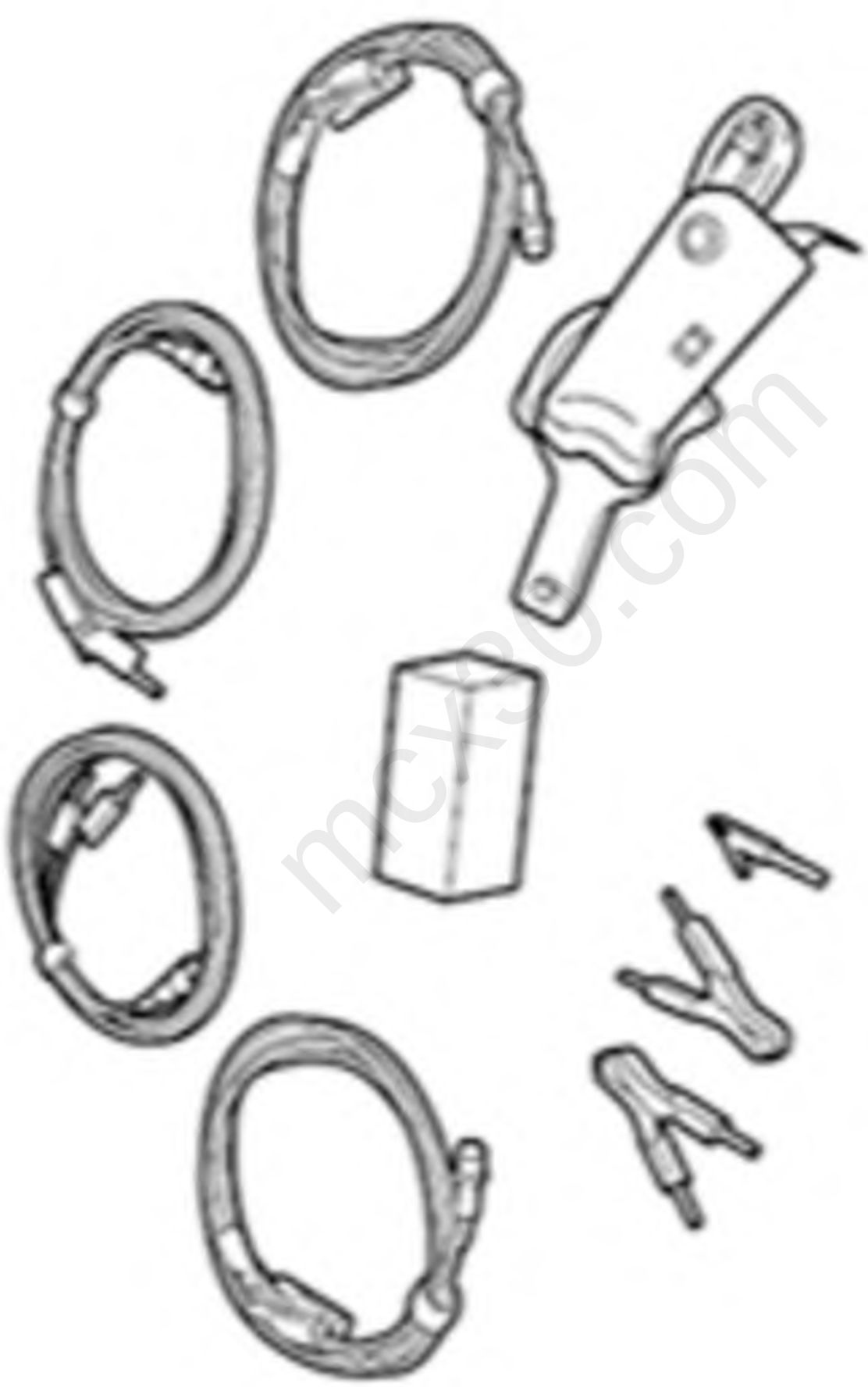
Illustration	Tool Number/Description
	

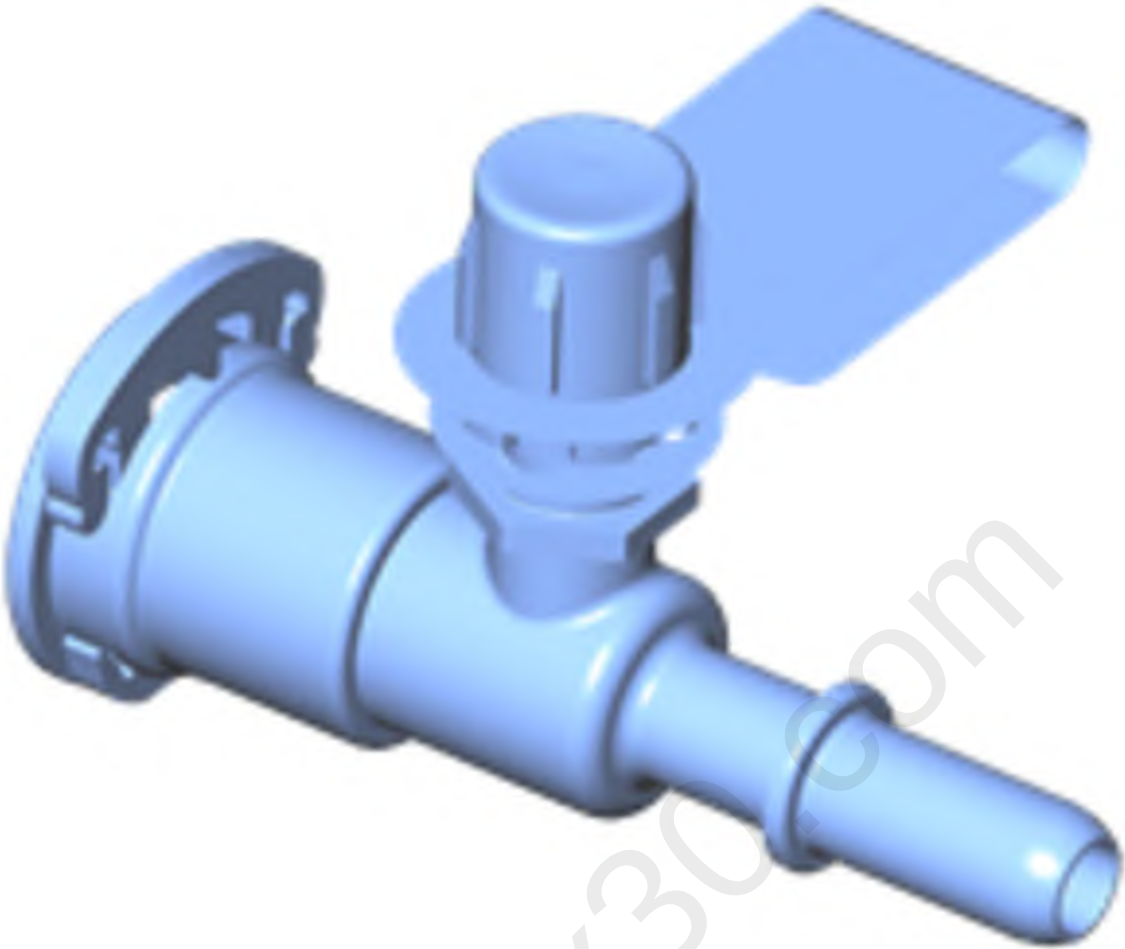
Illustration	Tool Number/Description
	CH-52519 EVAP Service Access Port Tool

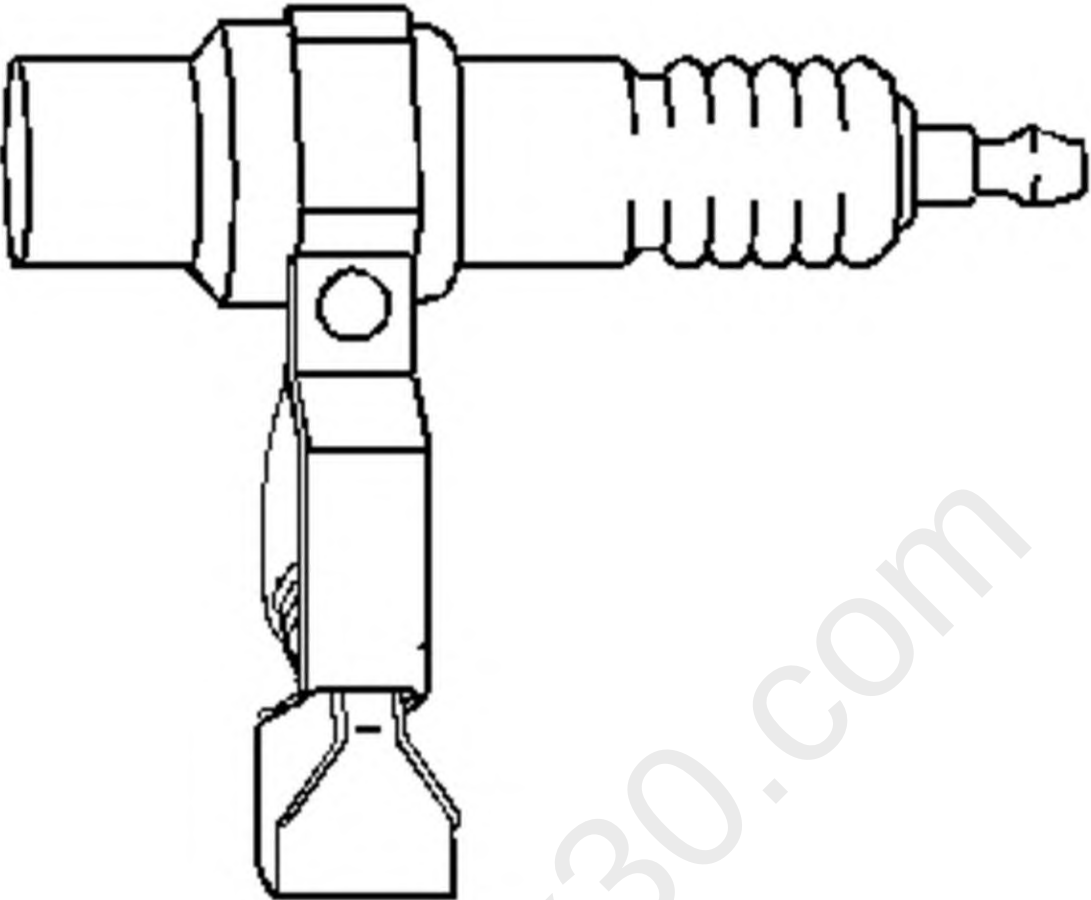
Illustration	Tool Number/Description
	EL-26792 J-26792 HEI Spark Tester

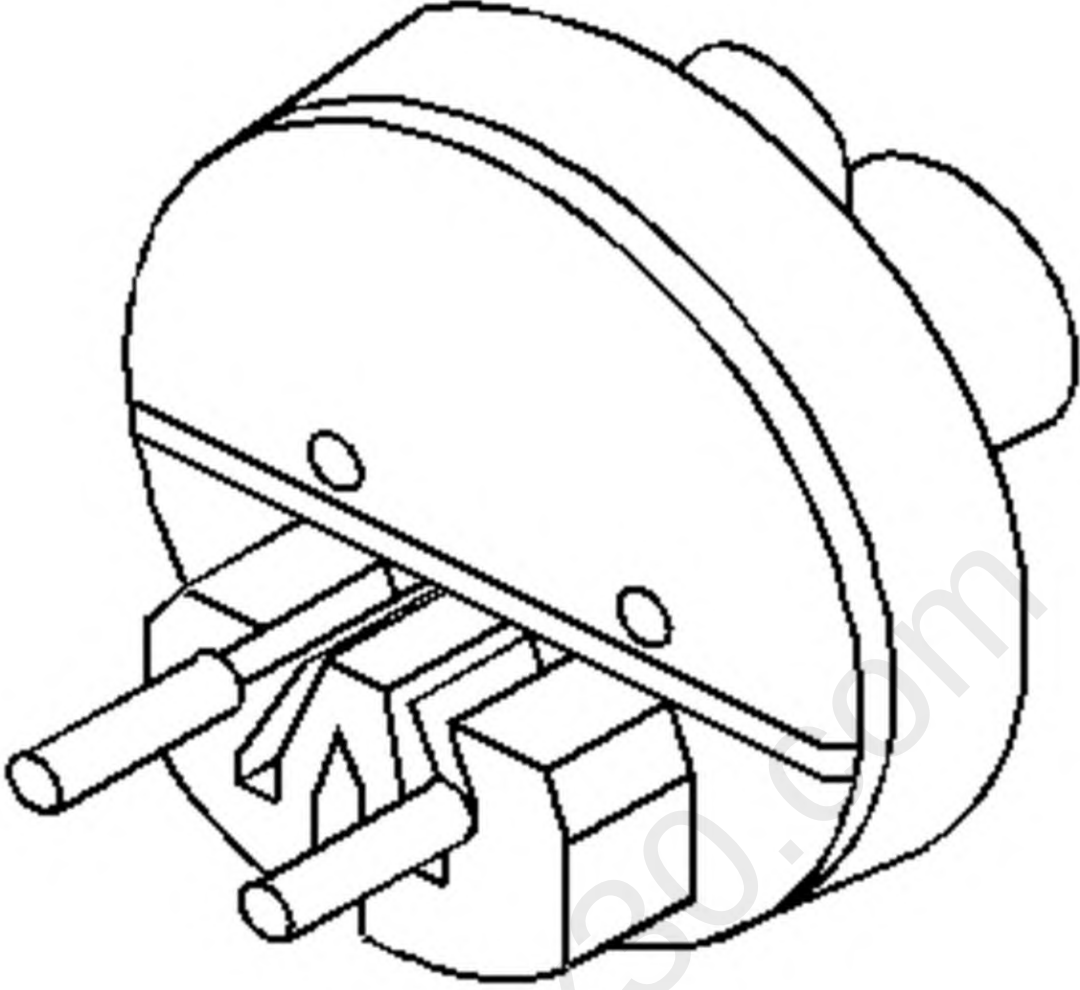
Illustration	Tool Number/Description
	EL-34730-405 J-34730-405 Injector Test Lamp

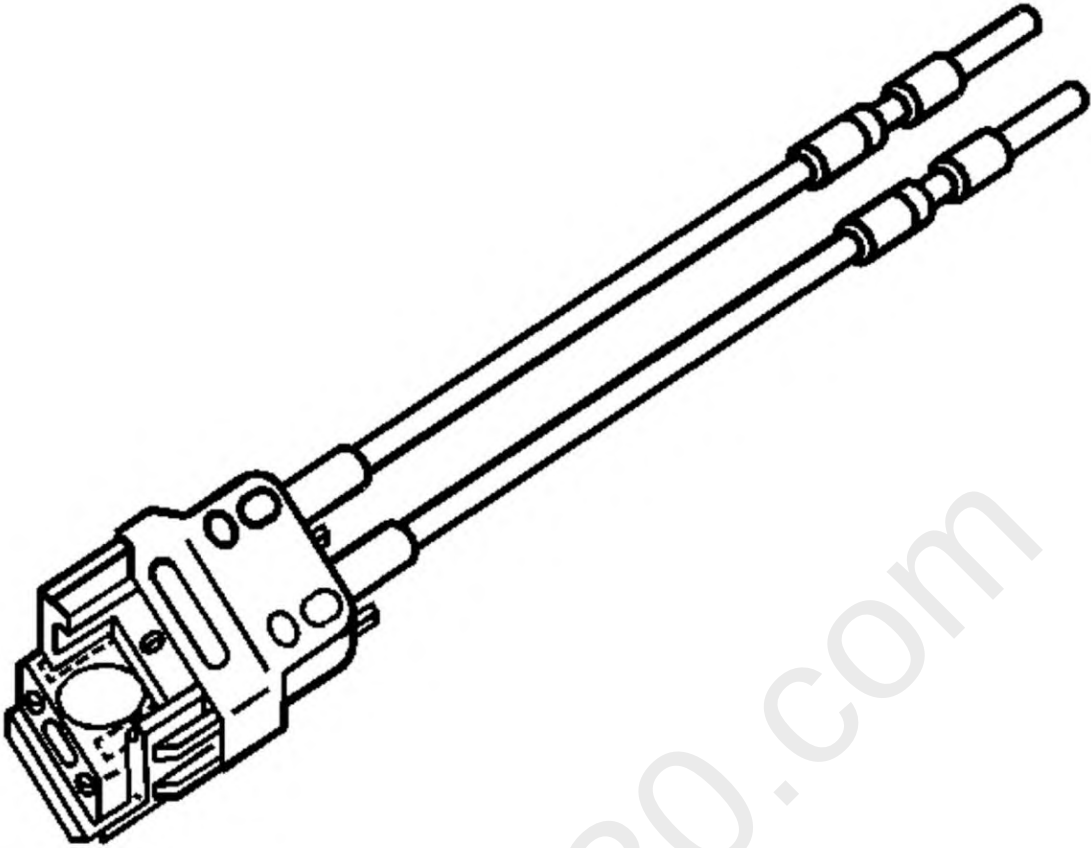
Illustration	Tool Number/Description
	EL-36169-HD Heavy Duty Fused Jumper

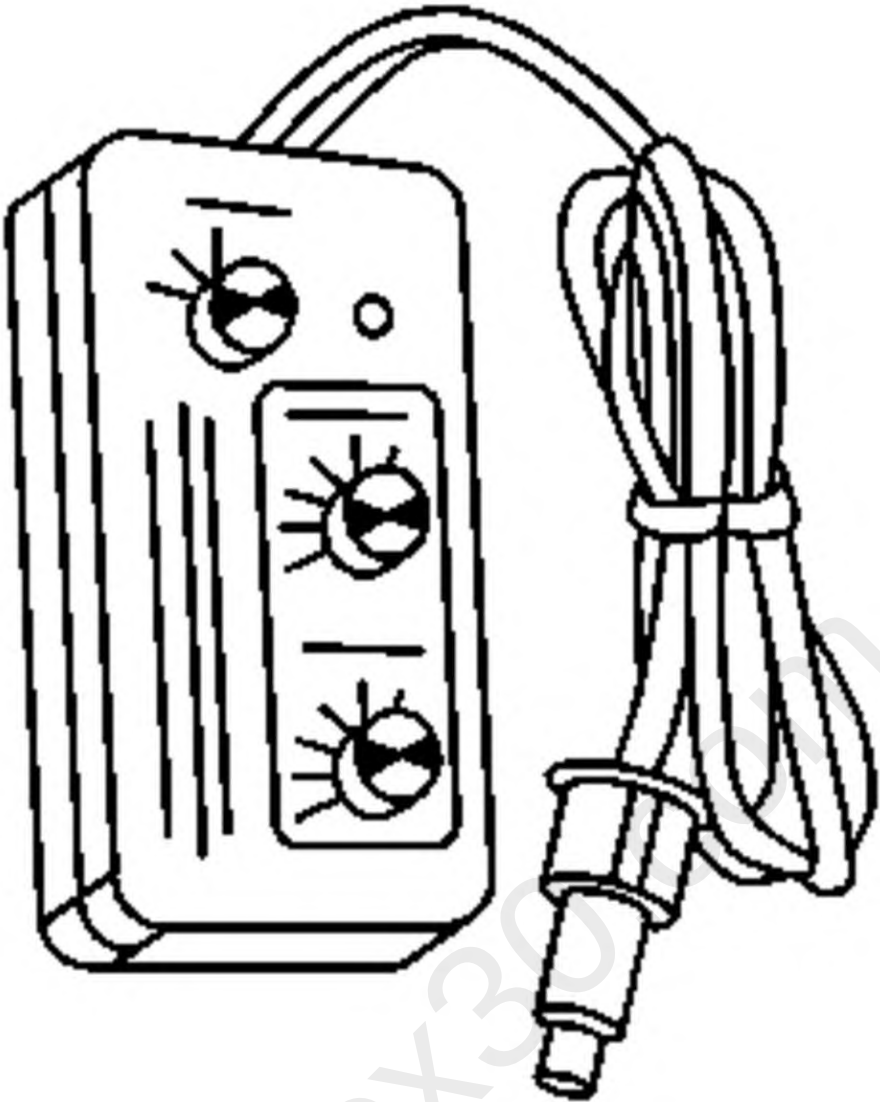
Illustration	Tool Number/Description
	EL-38522-A J-38522-A Variable Signal Generator

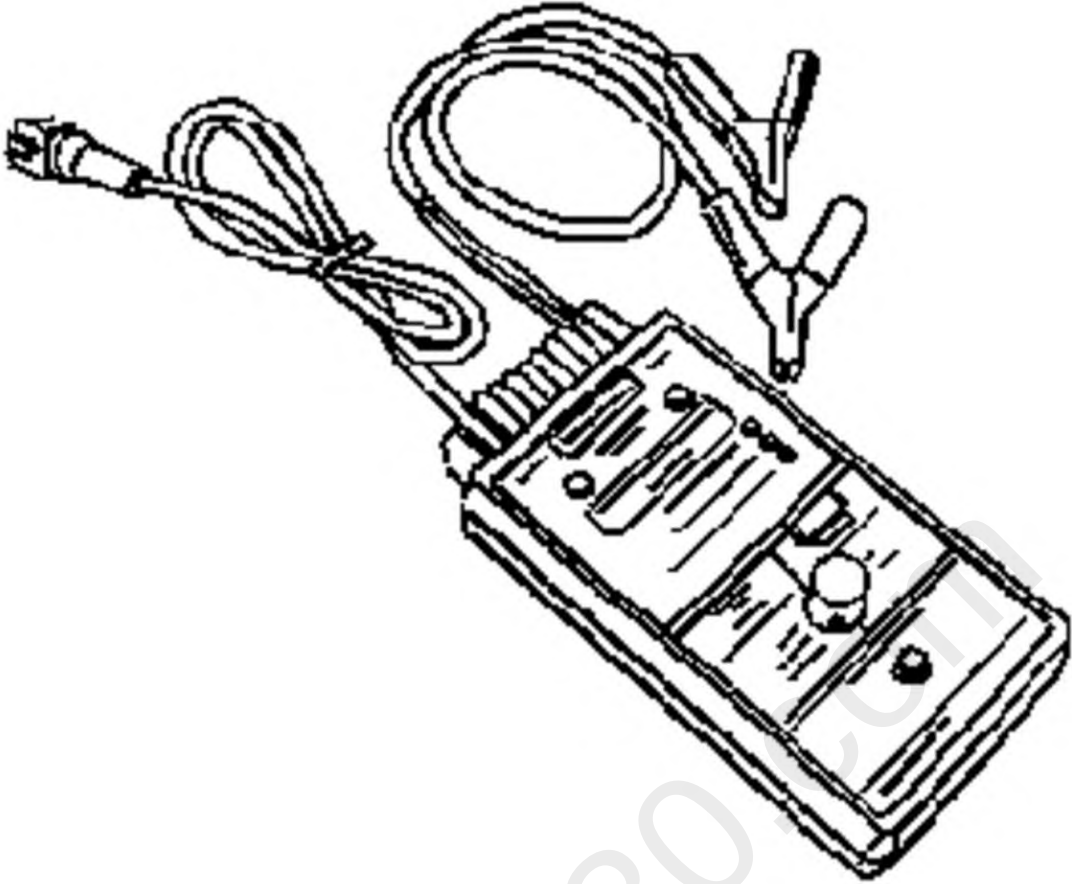
Illustration	Tool Number/Description
	EL-39021 J-39021 Fuel Injector Coil Balance Tester

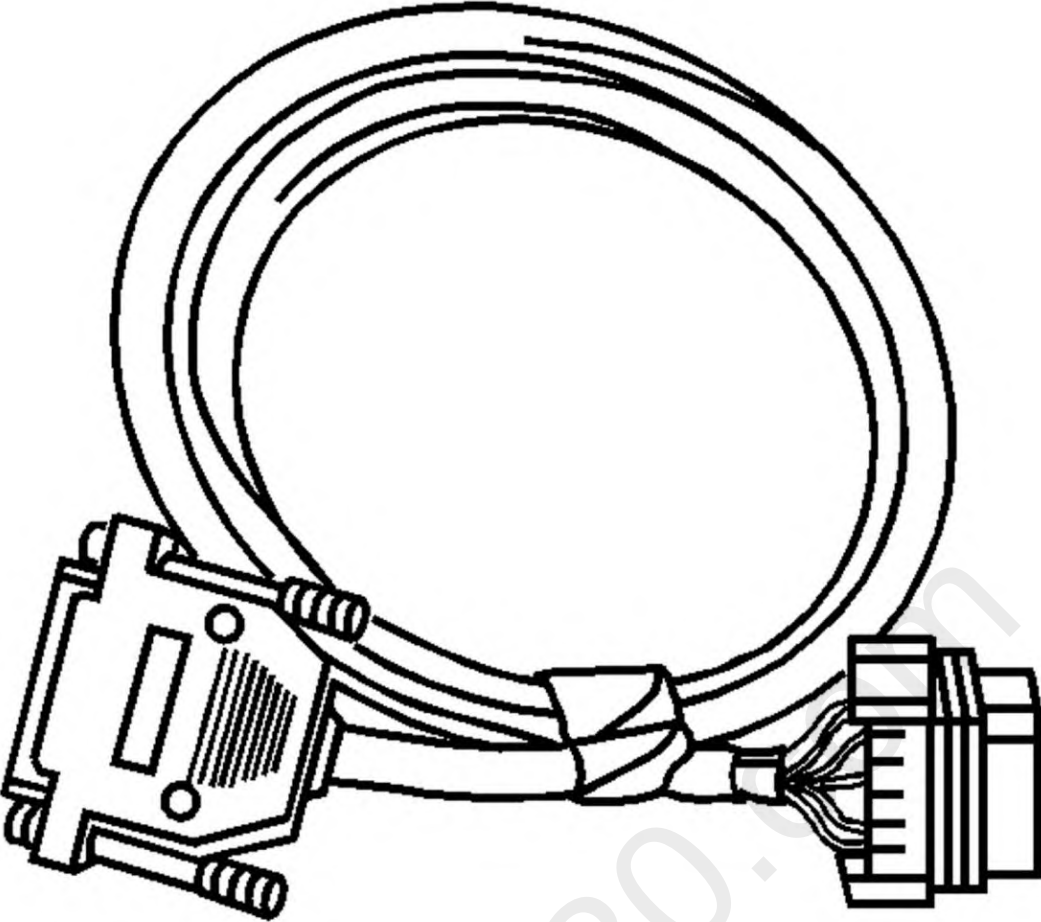
Illustration	Tool Number/Description
	EL-39021-460 J-39021-460 Fuel Injector Test Adapter

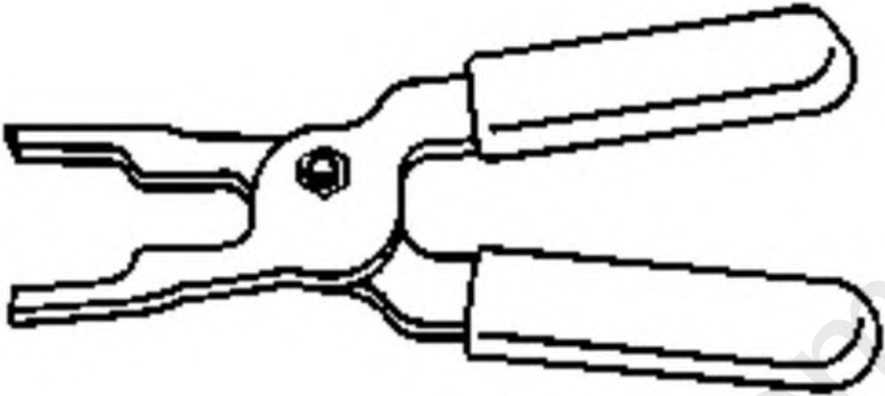
Illustration	Tool Number/Description
	EL-43244 J-43244 Relay Puller Pliers

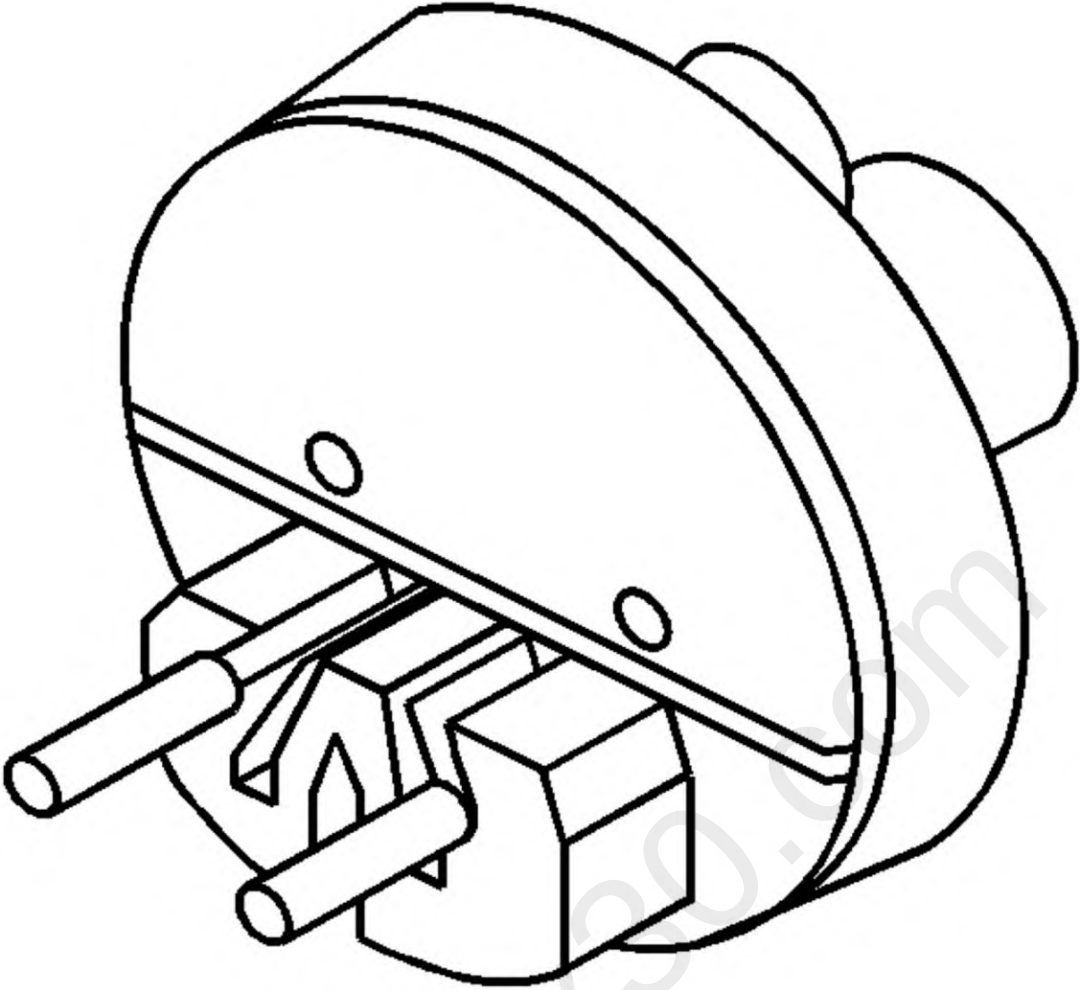
Illustration	Tool Number/Description
	EL-44603 J-44603 Injector Test Lamp

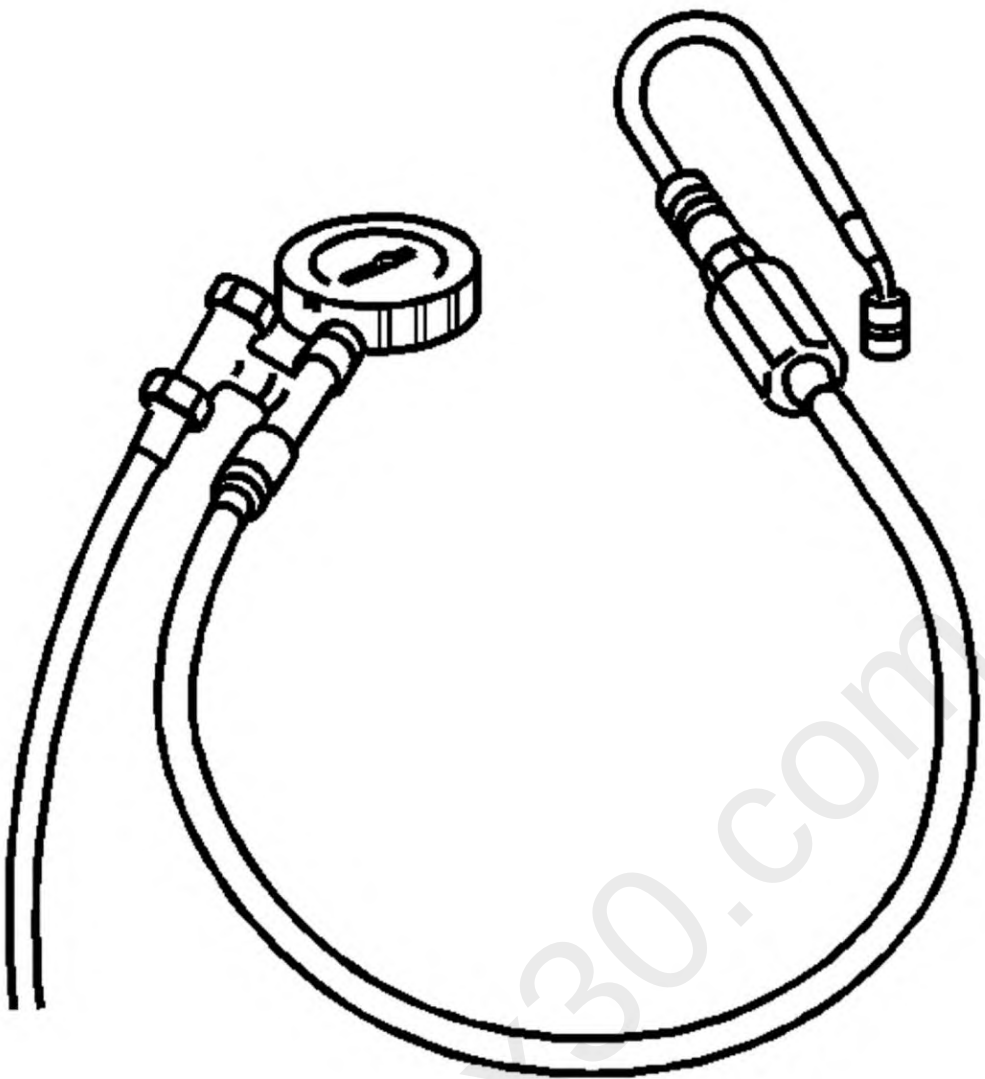
Illustration	Tool Number/Description
	EN-34730-91 J-34730-91 KM-J-34730-91 Pressure Tester

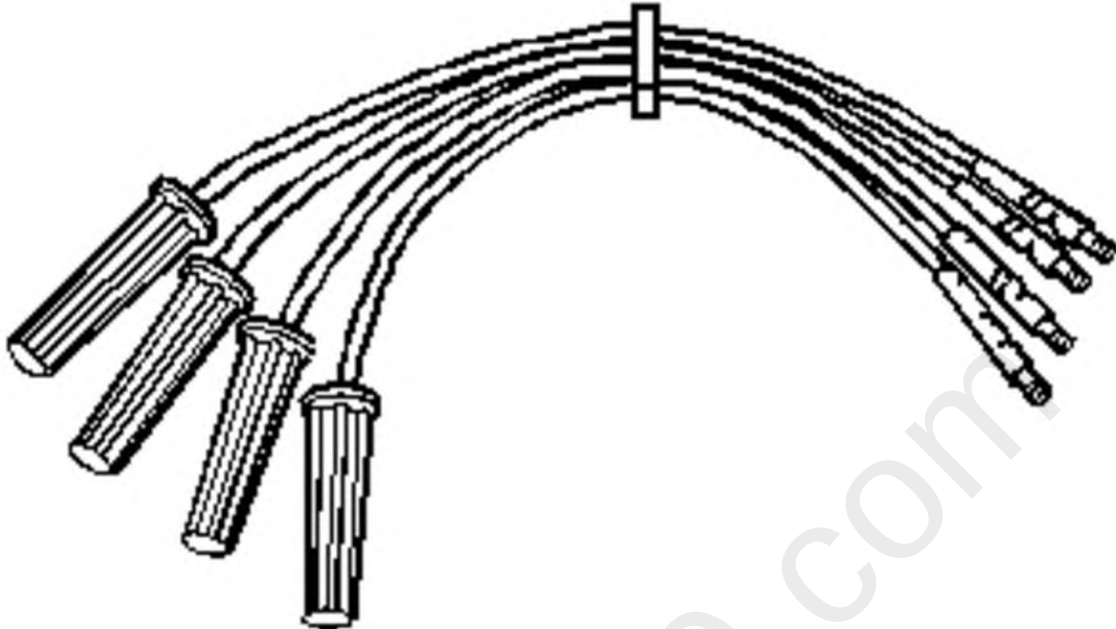
Illustration	Tool Number/Description
	EN-36012-A J-36012-A Ignition System Diagnosis Harness

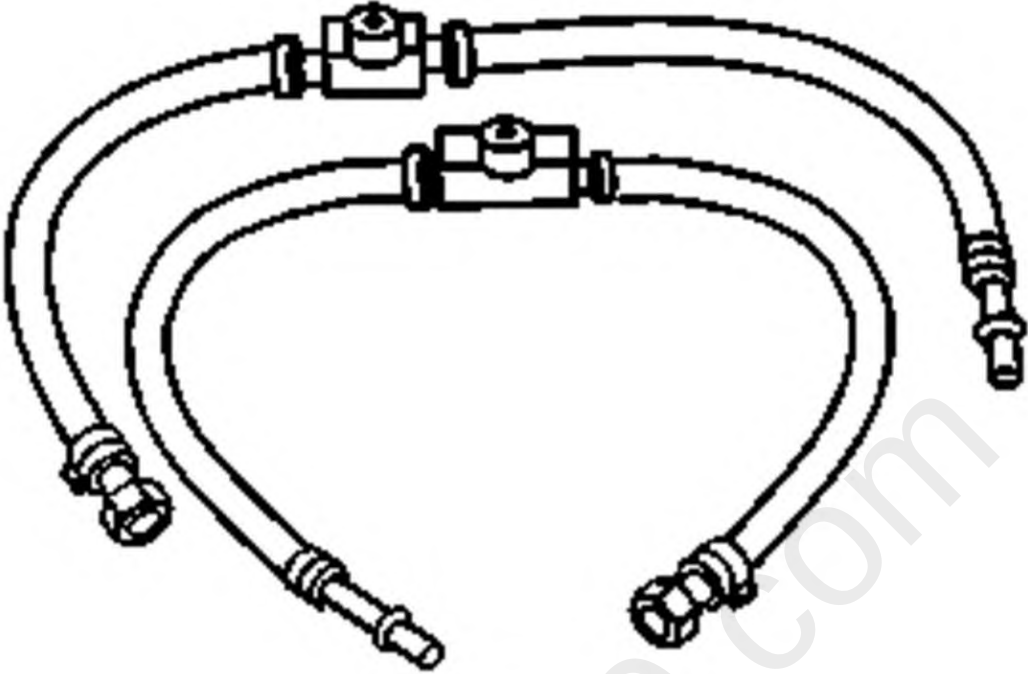
Illustration	Tool Number/Description
 The illustration shows two fuel line shut-off adapters. Each adapter consists of a flexible hose with a shut-off valve in the middle. The valves are rectangular with a circular handle on top. The hoses have different end fittings: one has a standard hose end, and the other has a more complex, multi-part fitting. A large, light gray watermark 'mcx30.com' is diagonally across the image.	EN-37287 J-37287 Fuel Line Shut-off Adapters

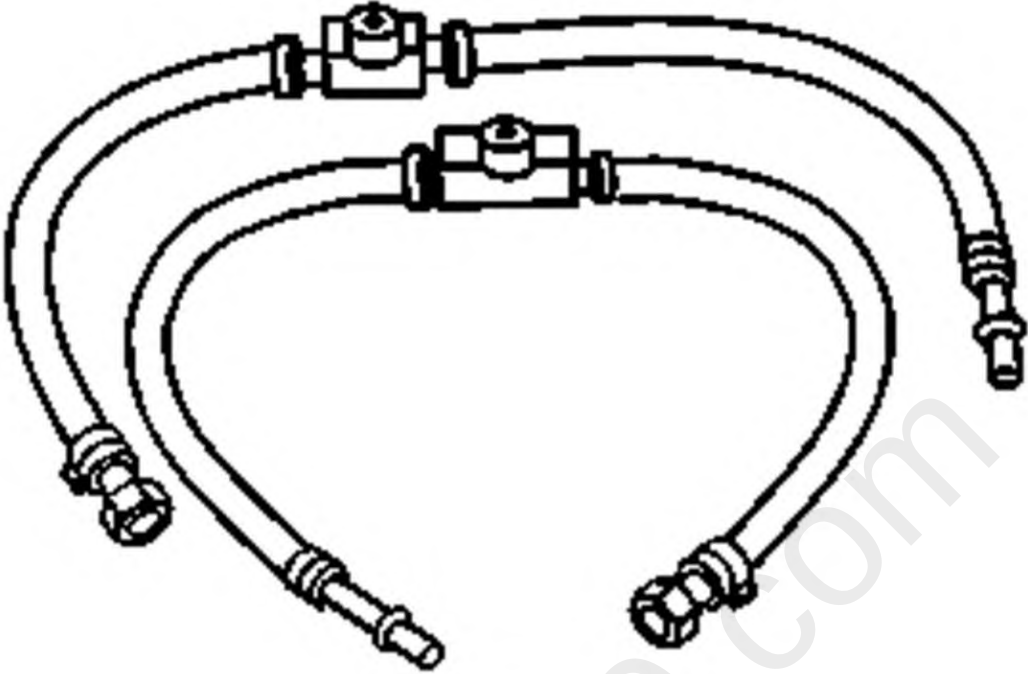
Illustration	Tool Number/Description
 The illustration shows two identical fuel line shut-off adapters. Each adapter is made of a flexible hose with a shut-off valve in the middle. The valve has a lever that can be moved to open or close the line. At each end of the hose, there is a quick-connect fitting with a locking collar. The adapters are shown in a coiled position.	EN-37287 - FF Fuel Line Shut-off Adapters

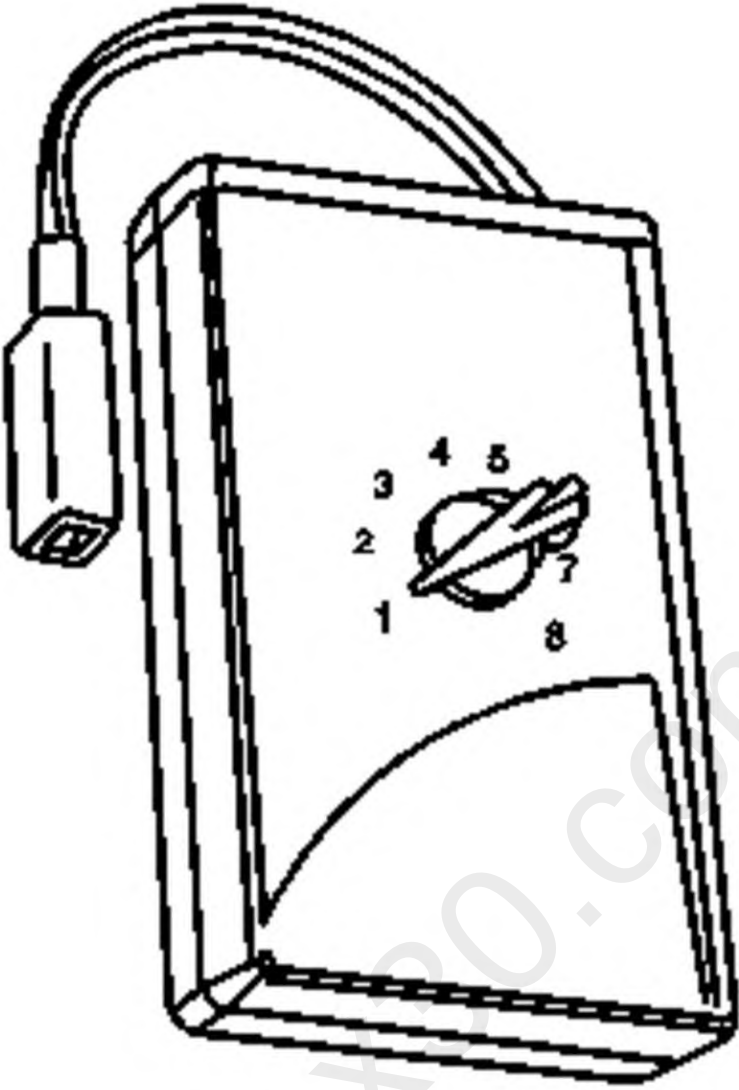
Illustration	Tool Number/Description
 A line drawing of a rectangular adapter box. On the front face, there is a circular dial with eight numbered positions (1-8) and a sliding switch. A cable is connected to the top of the box, and a connector is attached to the end of the cable. The connector has a small rectangular label with the number '4' on it.	EN-39021-210 J-39021-210 Injector Tester Adapter Box

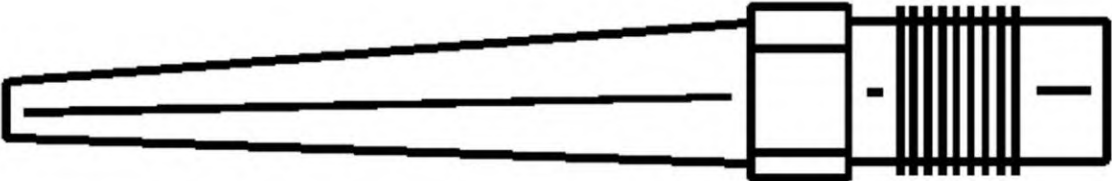
Illustration	Tool Number/Description
 The illustration shows a tapered tool, likely a plug or probe. It has a long, thin, tapered body that widens into a hexagonal base. The base features a threaded section with several vertical lines representing threads. A small horizontal line is visible on the side of the base. The tool is oriented horizontally.	EN-41413-311 J-41413-311 EVAP Plug

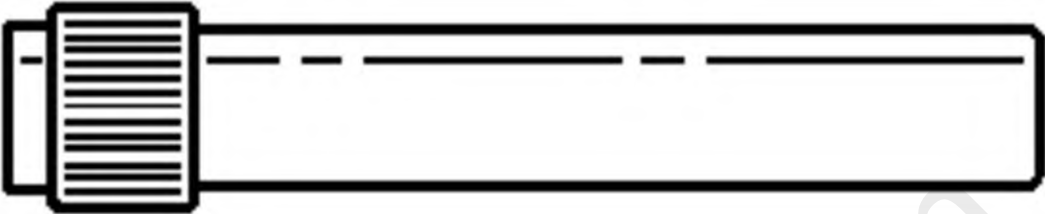
Illustration	Tool Number/Description
	EN-41413-VLV J-41413-VLV EVAP Service Port Vent Fitting

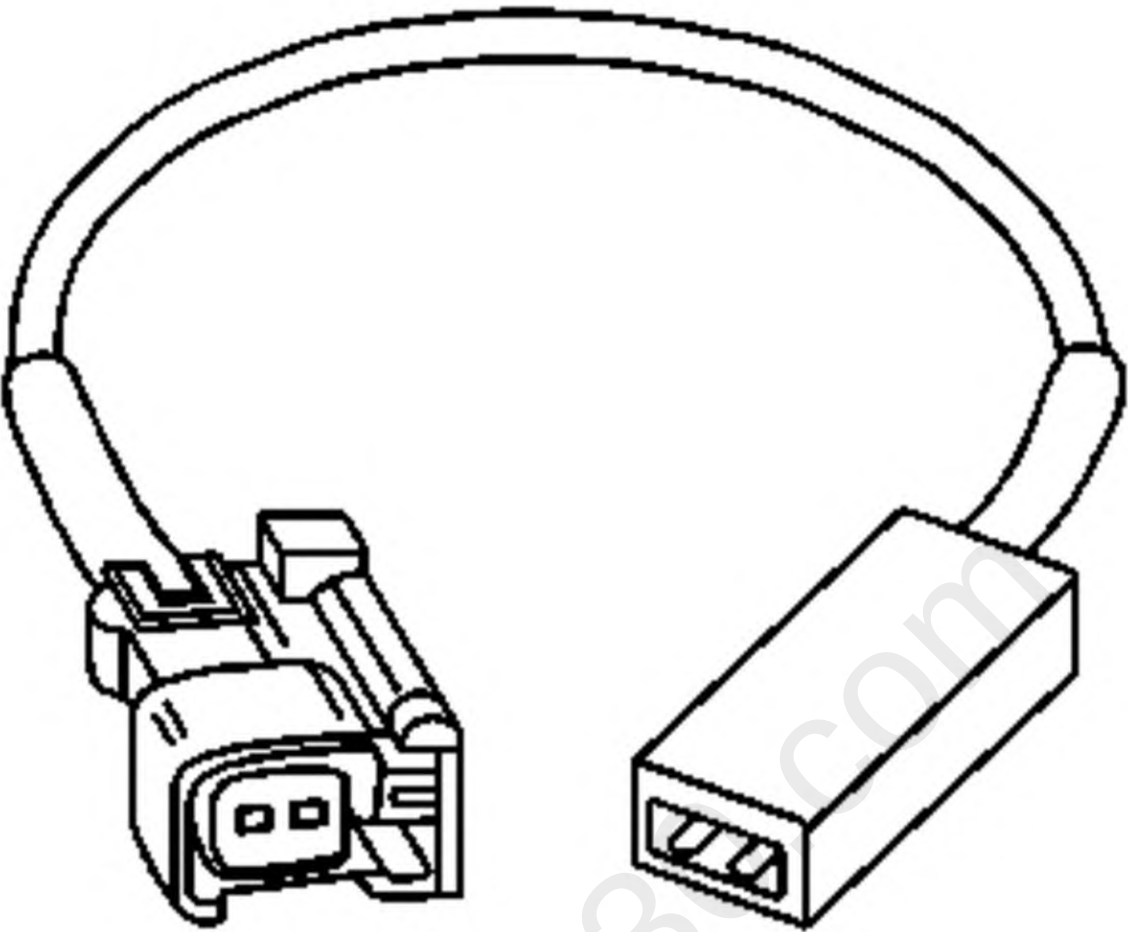
Illustration	Tool Number/Description
 The illustration shows a cable with a multi-pin connector on the left and a rectangular test adapter on the right. The cable is coiled into a loop. The multi-pin connector has several pins of varying lengths. The rectangular test adapter has a slot with four pins inside. A watermark 'mcx33.com' is visible across the image.	EN-44602 J-44602 Injector Test Adapter

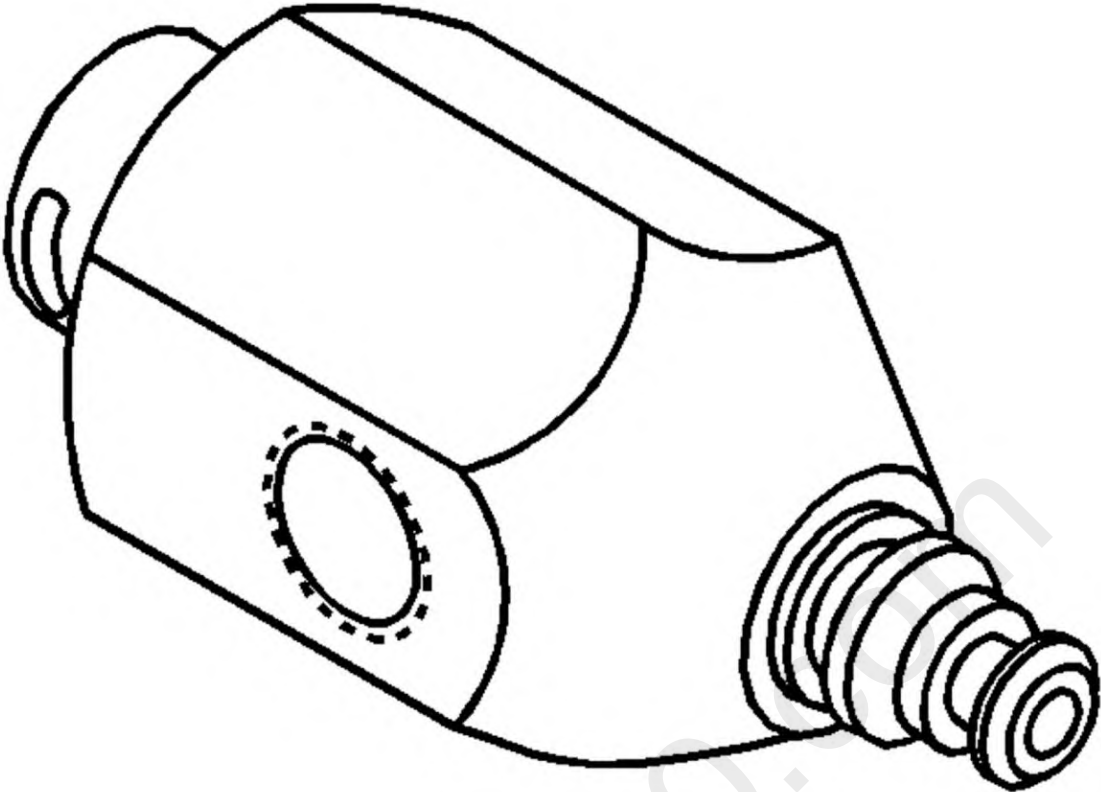
Illustration	Tool Number/Description
	EN-45873-30 J-45873-30 Injector Flow Test Adapter

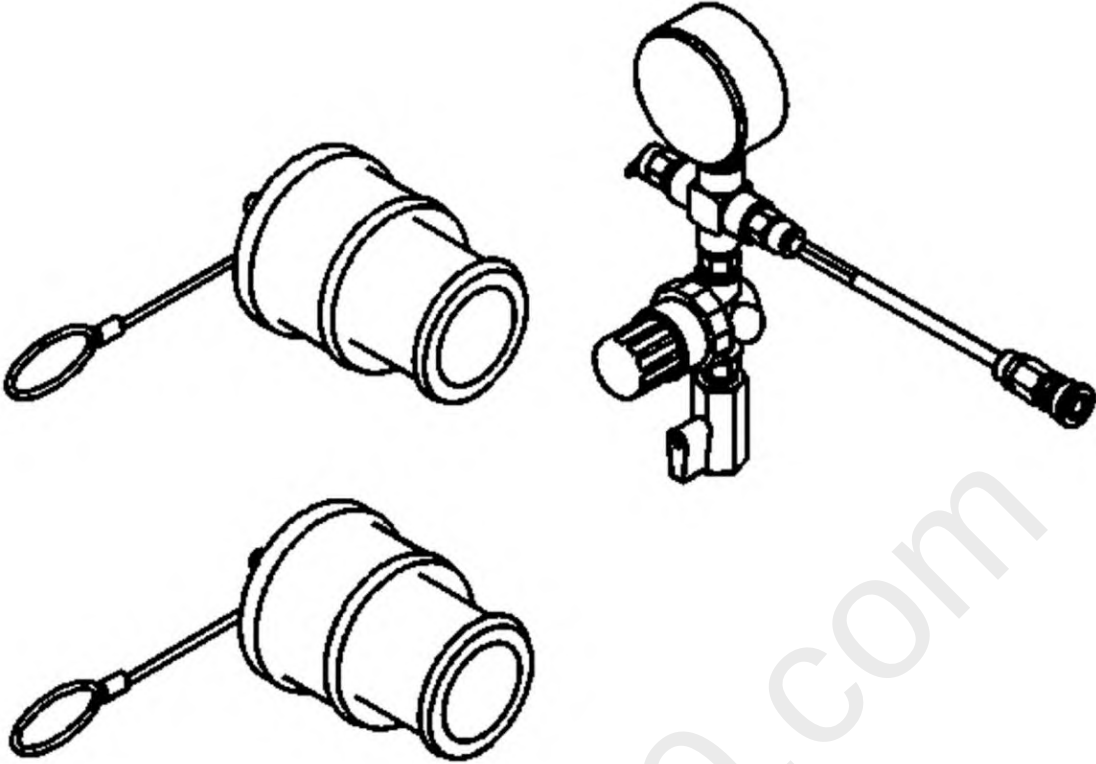
Illustration	Tool Number/Description
 EN-46091 J-46091 Charge Air Cooler Tester	

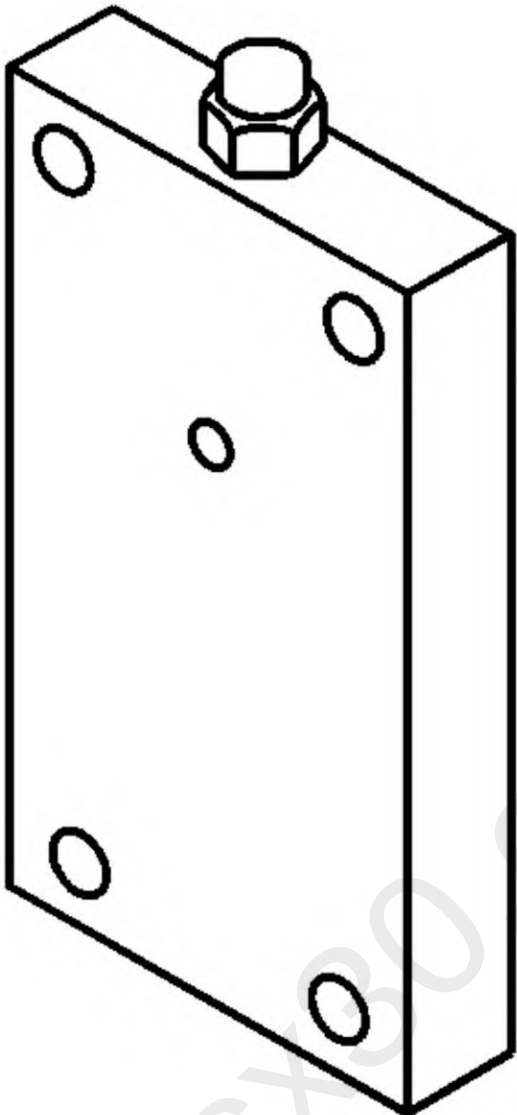
Illustration	Tool Number/Description
 A 3D line drawing of a rectangular metal plate. On the top surface, there is a hex nut. The front face of the plate has six circular holes: two in the top corners, two in the bottom corners, and one in the center. A large, light gray watermark 'mcx30.com' is oriented diagonally across the entire page.	EN-46091-5 J-46091-5 Charge Air Cooler Tester Adapter

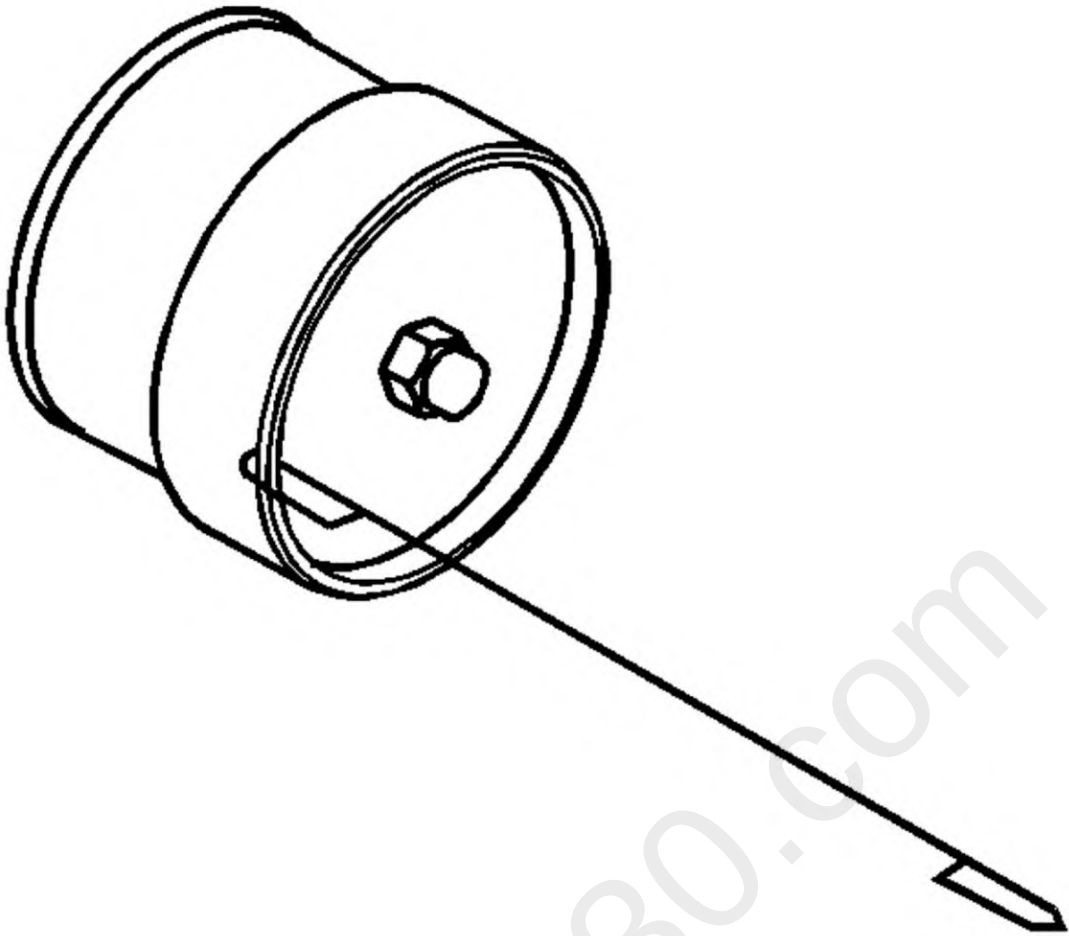
Illustration	Tool Number/Description
	EN-46091-10A Diesel Engine Pressure Test Adapter

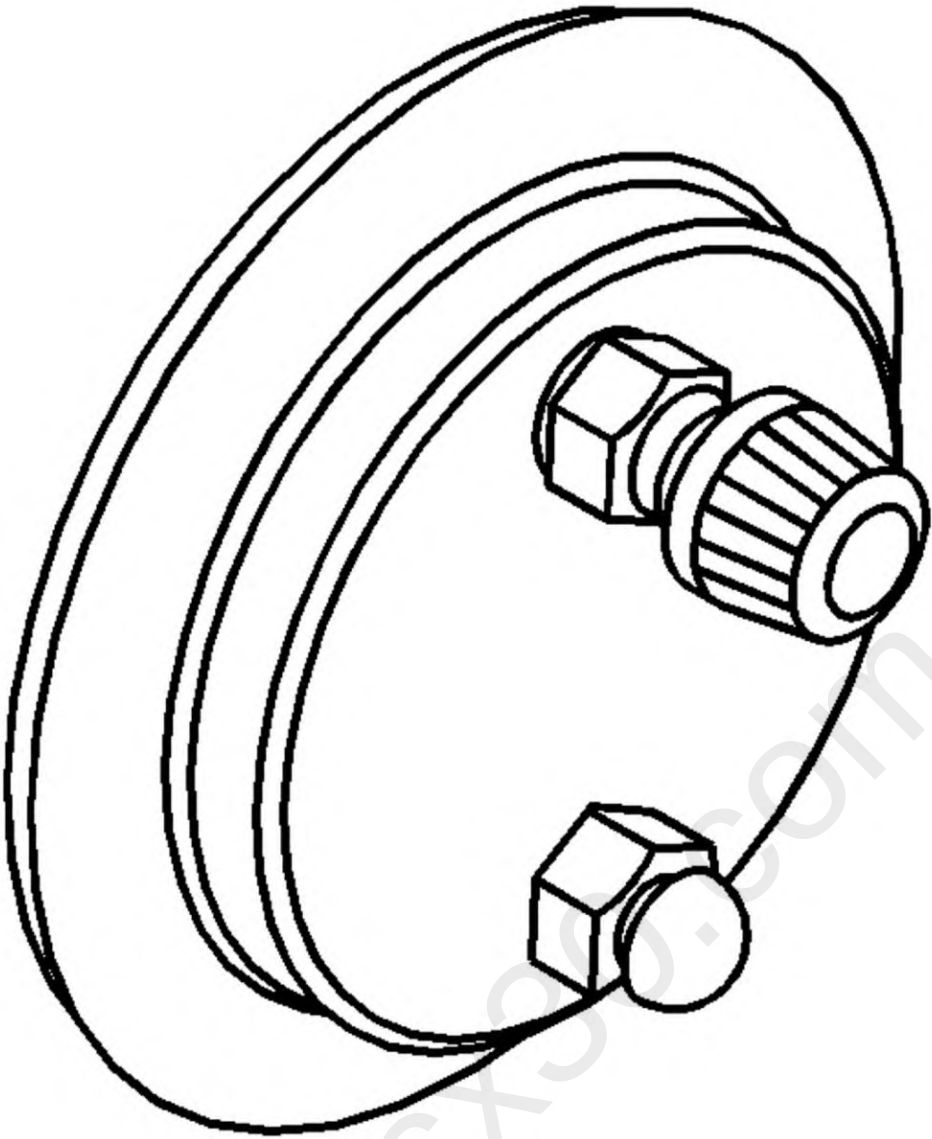
Illustration	Tool Number/Description
	EN-46091-15 J-46091-15 Engine Pressure Test Adapter

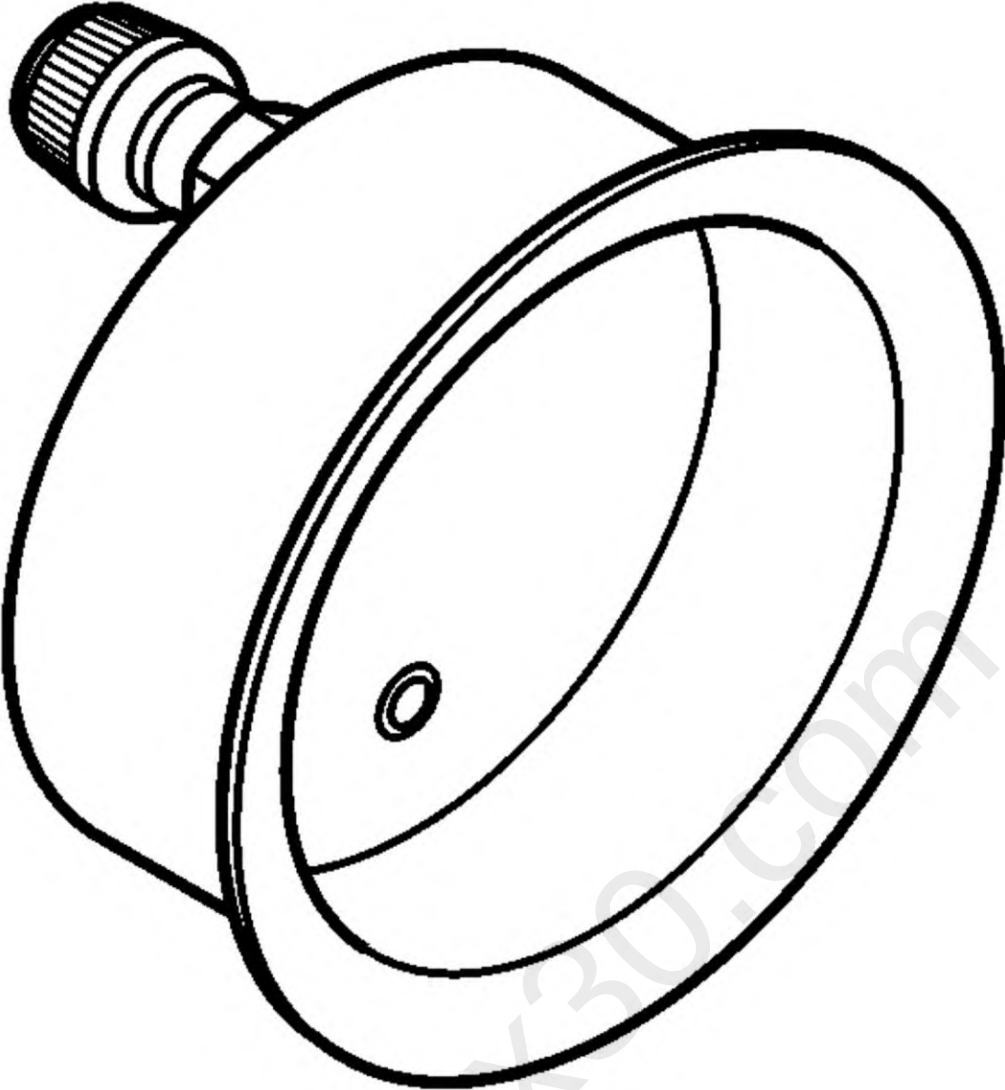
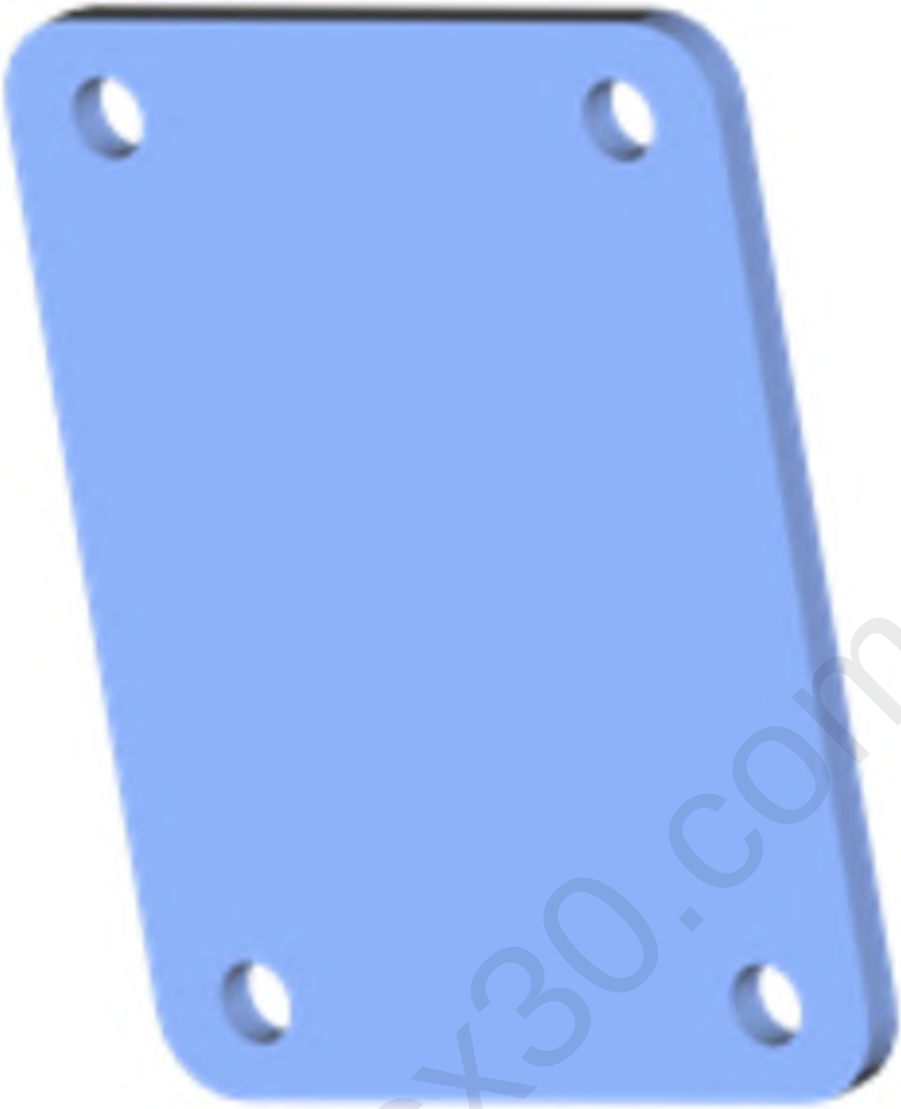
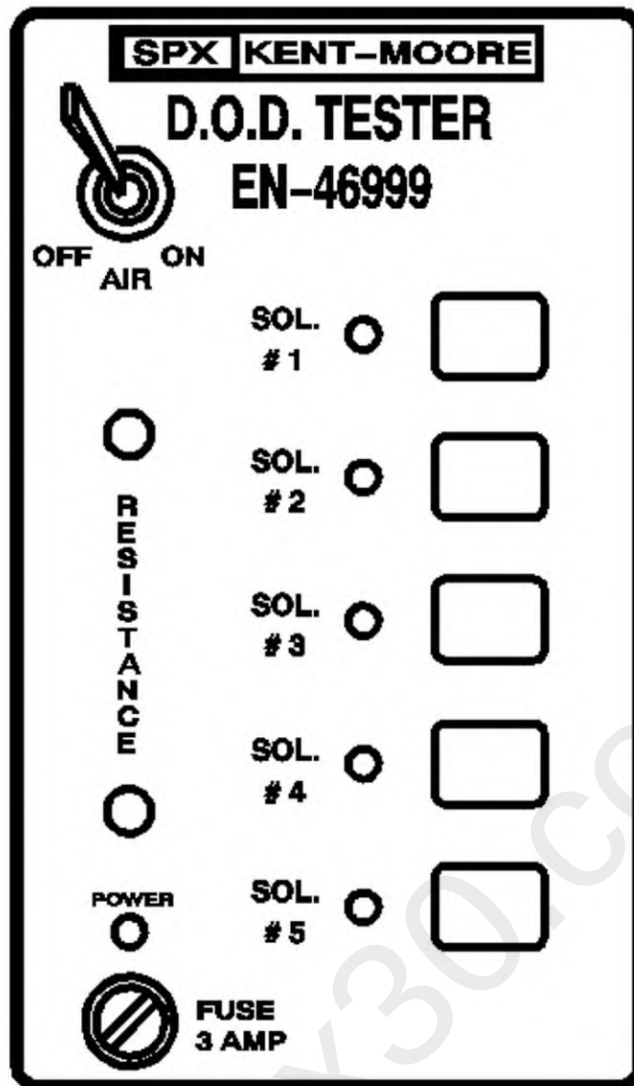
Illustration	Tool Number/Description
	EN-46091-15A J-46091-15A Diesel Engine Pressure Test Adapter

Illustration	Tool Number/Description
	EN-46091-25 J-46091-25 Diesel Engine Pressure Test Adapter

Illustration

Tool
Number/Description



EN-46999
Displacement On
Demand Tester

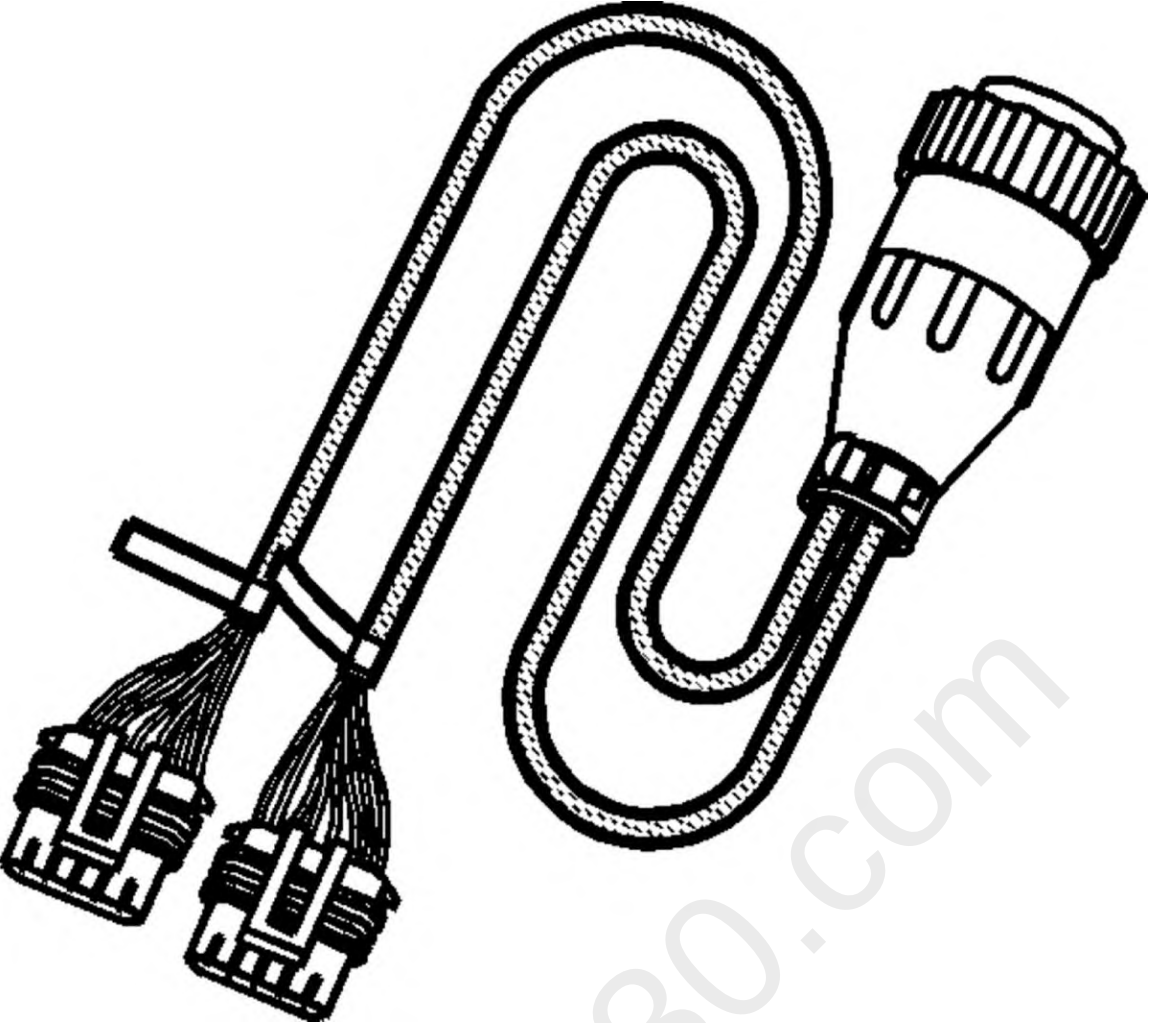
Illustration	Tool Number/Description
	EN-46999 - 15 Active Fuel Management Tester Harness - V6
mcx30.com	

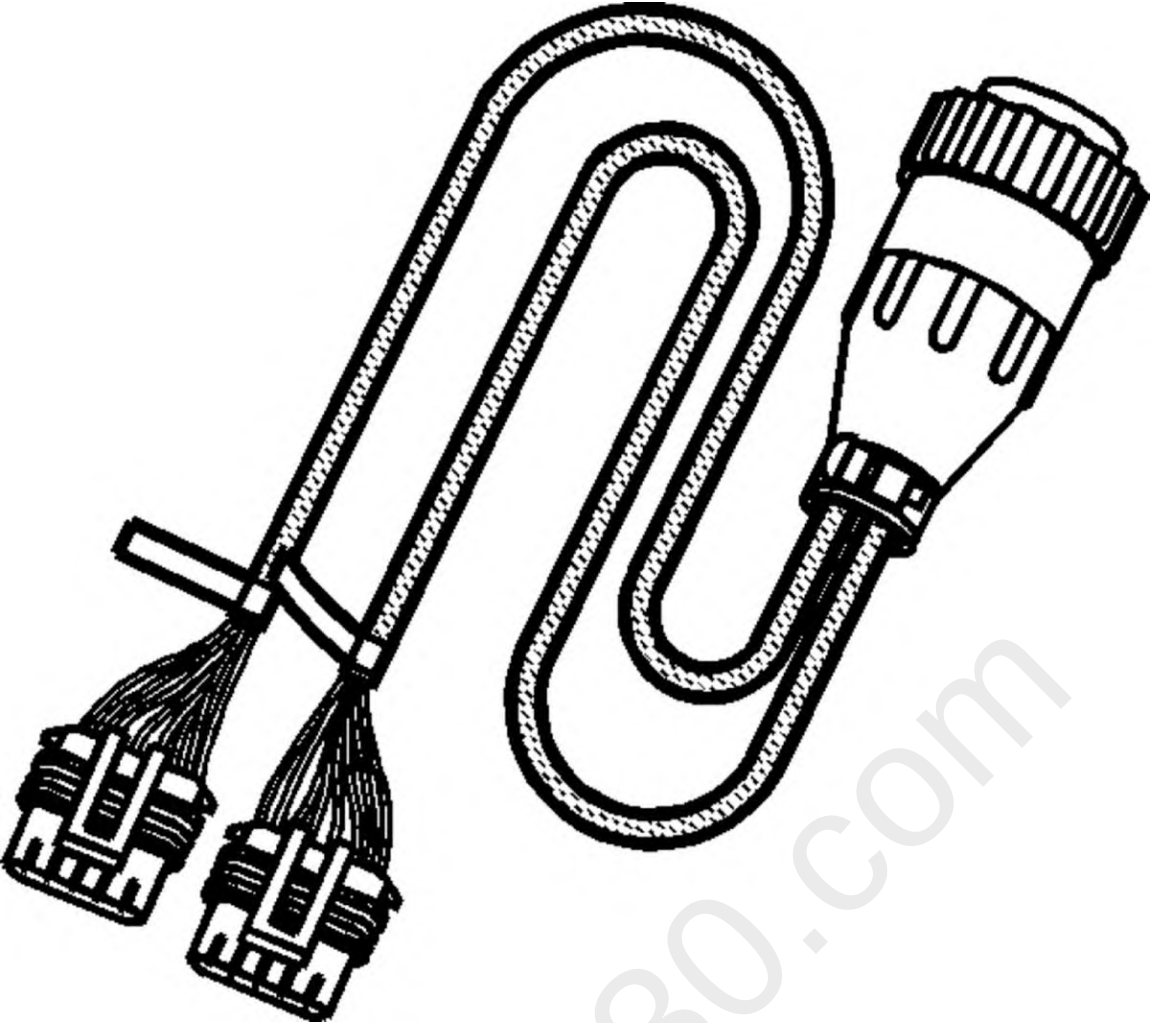
Illustration	Tool Number/Description
	EN-46999 - 20 Active Fuel Management Tester Harness - Small Block V8

Illustration	Tool Number/Description
 A blue metal adapter tool, likely for a compression gauge. It features a long, cylindrical body with a hexagonal nut at one end and a threaded end at the other. The tool is shown at an angle, highlighting its length and the connection points.	EN-47603 Compression Gauge Adapter

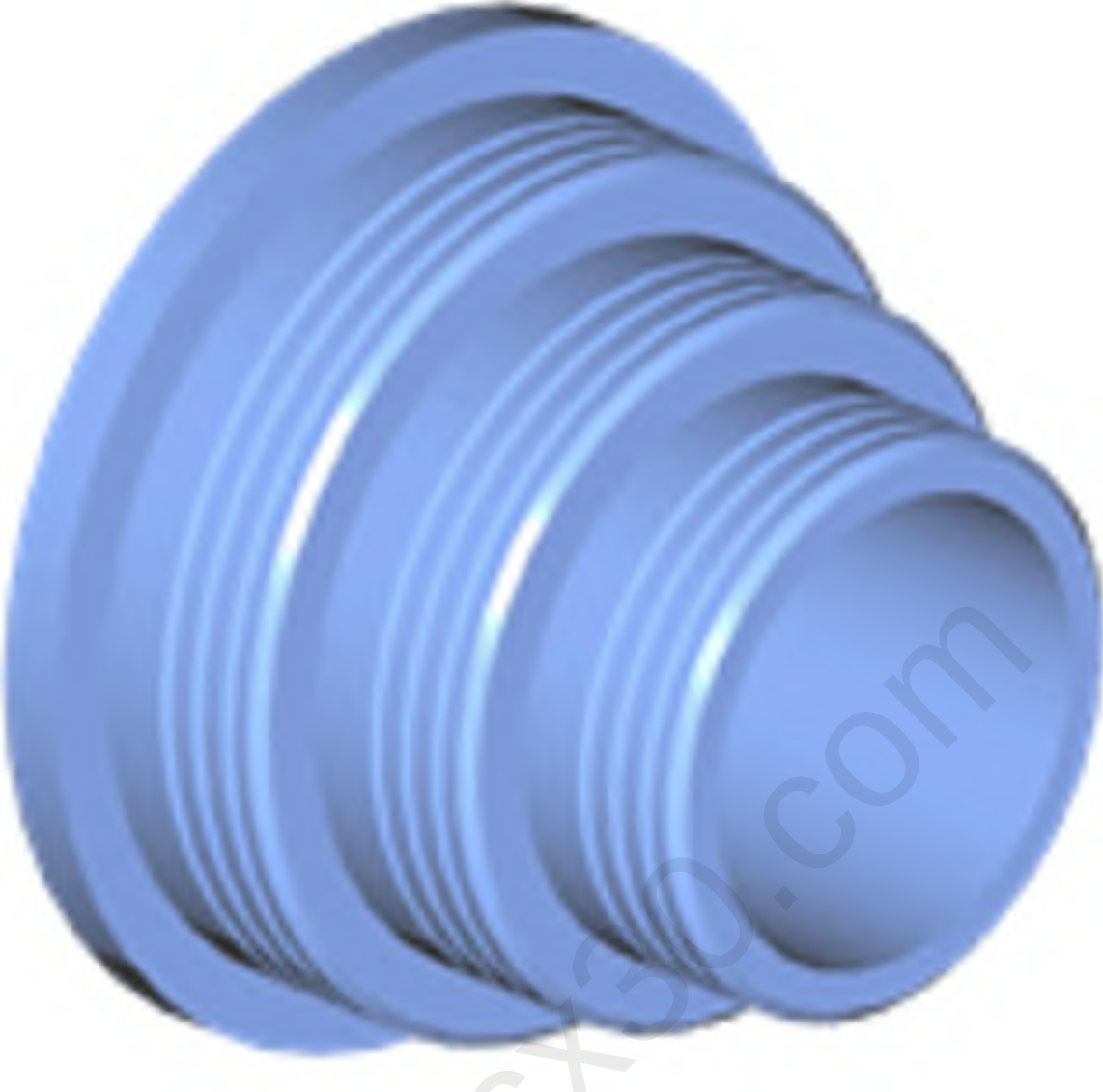
Illustration	Tool Number/Description
	EN-47656 - NA Pressure Test Plugs

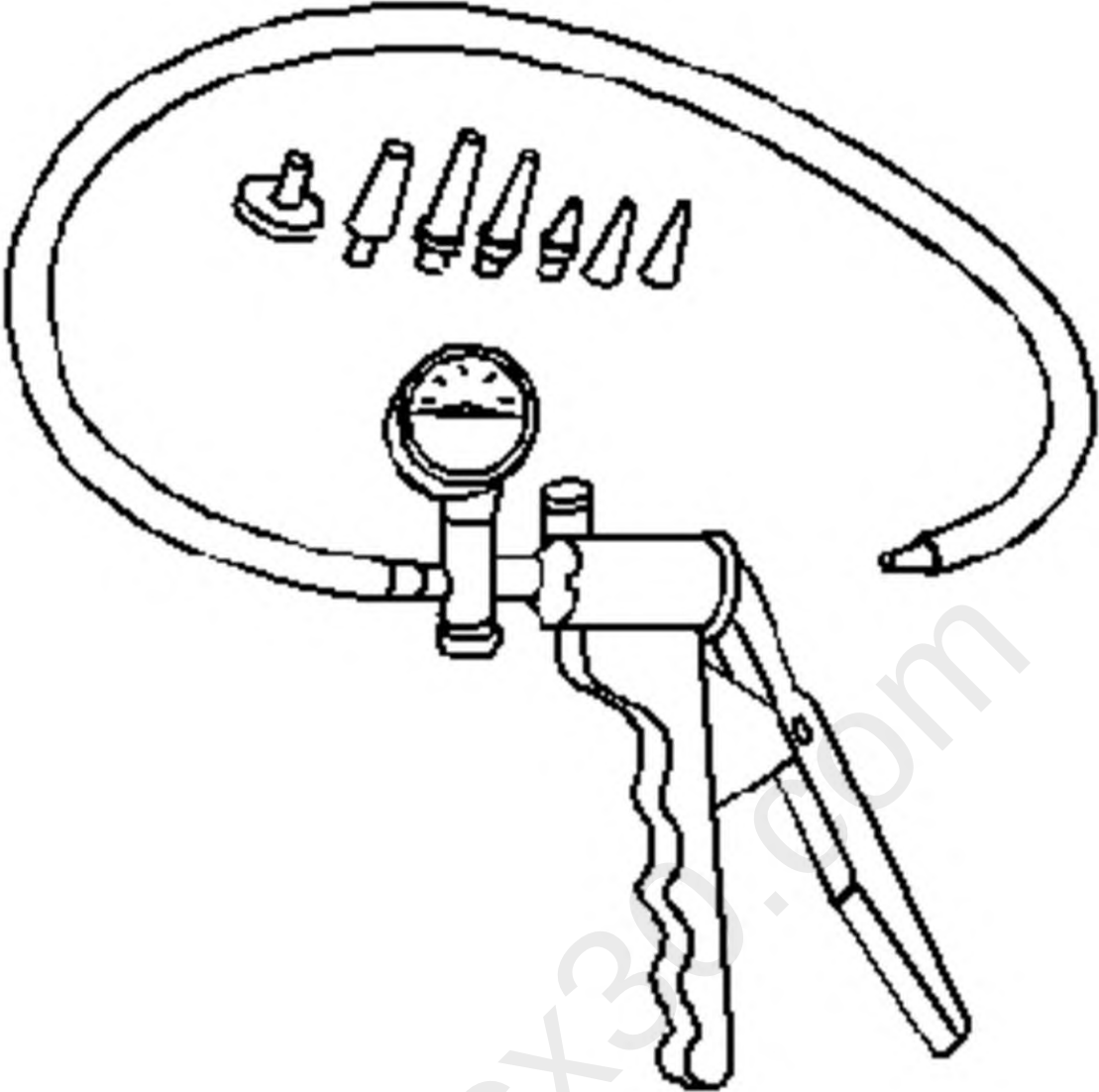
Illustration	Tool Number/Description
	GE-23738-A J-23738-A Vacuum Pump

Illustration	Tool Number/Description
	GE-41413 - 151 LED and Ultraviolet (UV) Combination Light and Yellow Safety Glasses

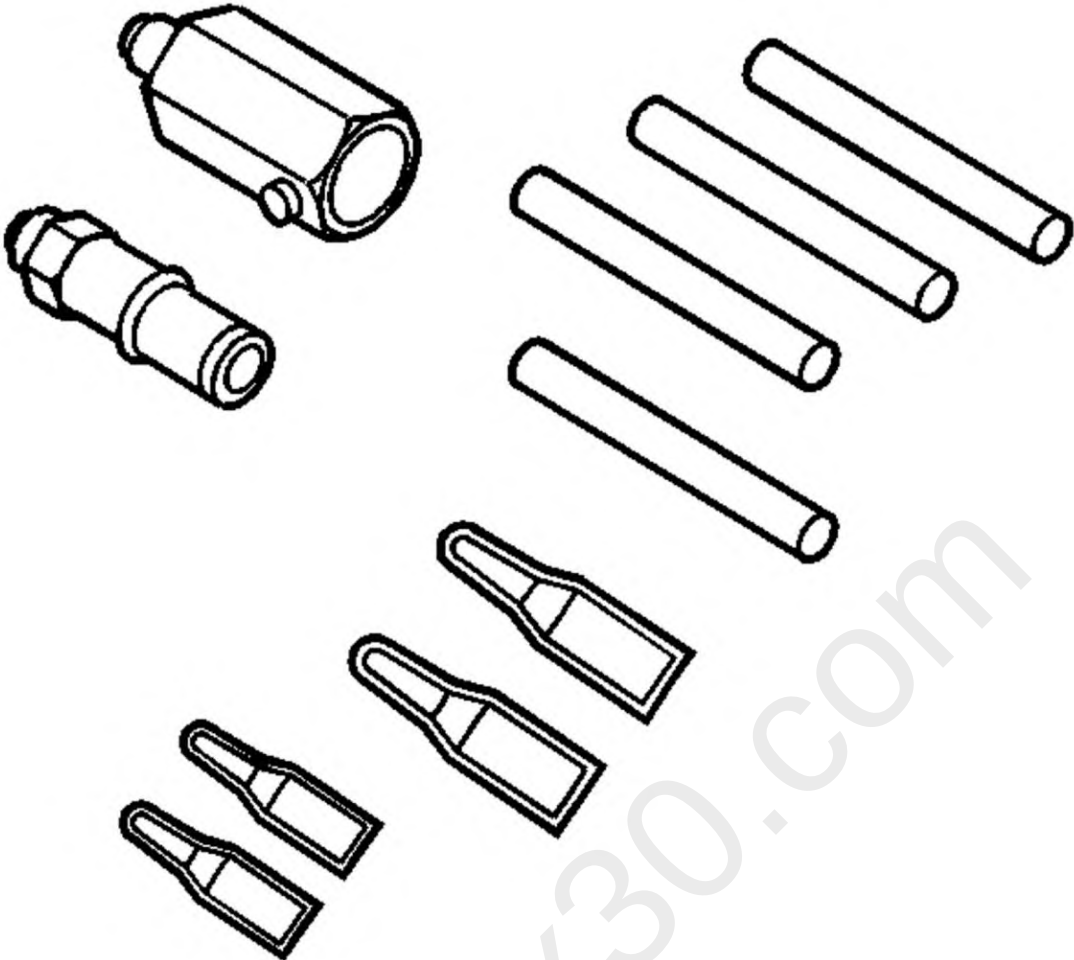
Illustration	Tool Number/Description
 The illustration shows the components of an EVAP Cap and Plug Kit. It includes two cylindrical caps with hexagonal bases, five long thin rods, and four L-shaped plugs. A large diagonal watermark 'mcx30.com' is visible across the image.	GE-41413-300 EN-41413-300 J-41413-300 EVAP Cap and Plug Kit

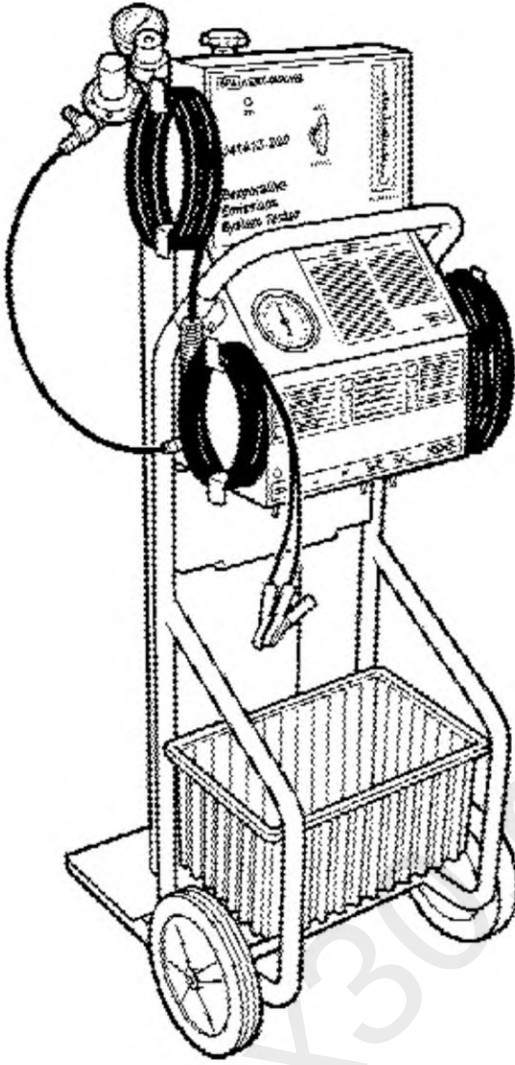
Illustration	Tool Number/Description
	GE-41413-A EN-41413-A J-41413-A GE-41413-200 Evaporative Emissions System Tester (EEST)

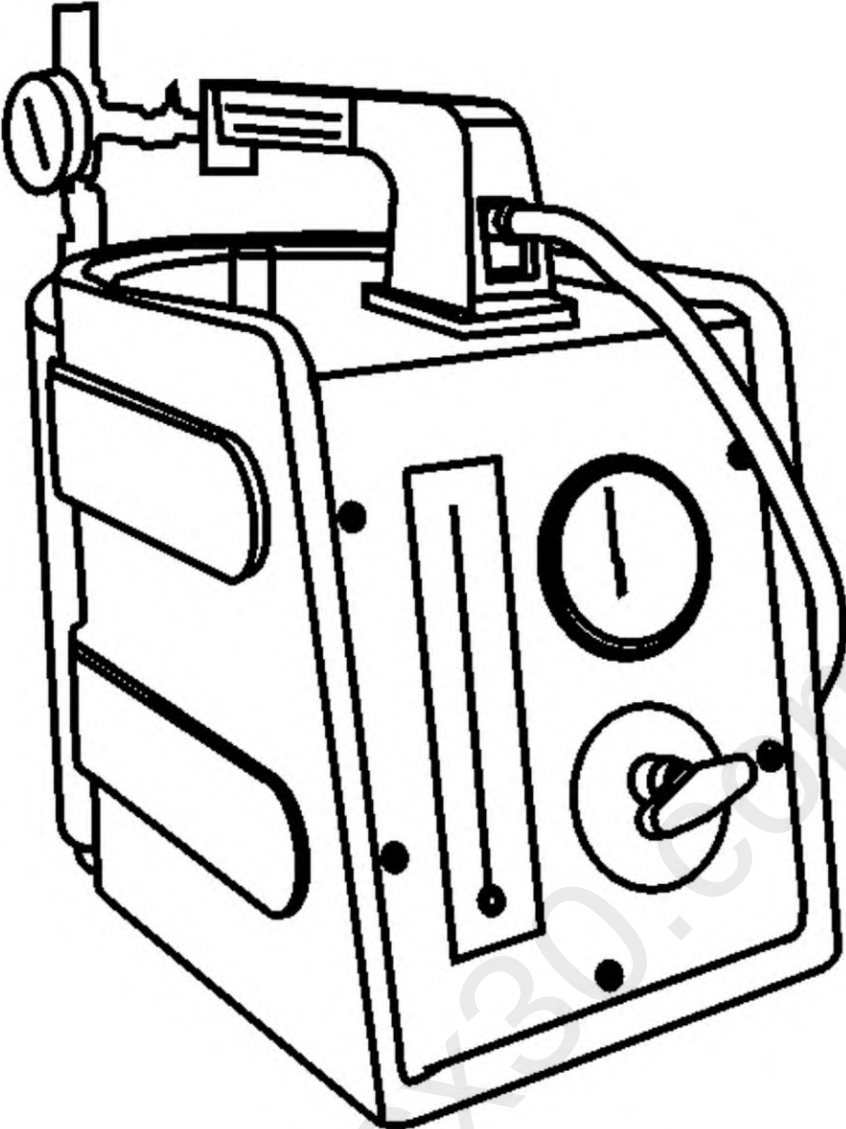
Illustration	Tool Number/Description
	GE-41413-B Evaporative Emissions System Tester (EEST)

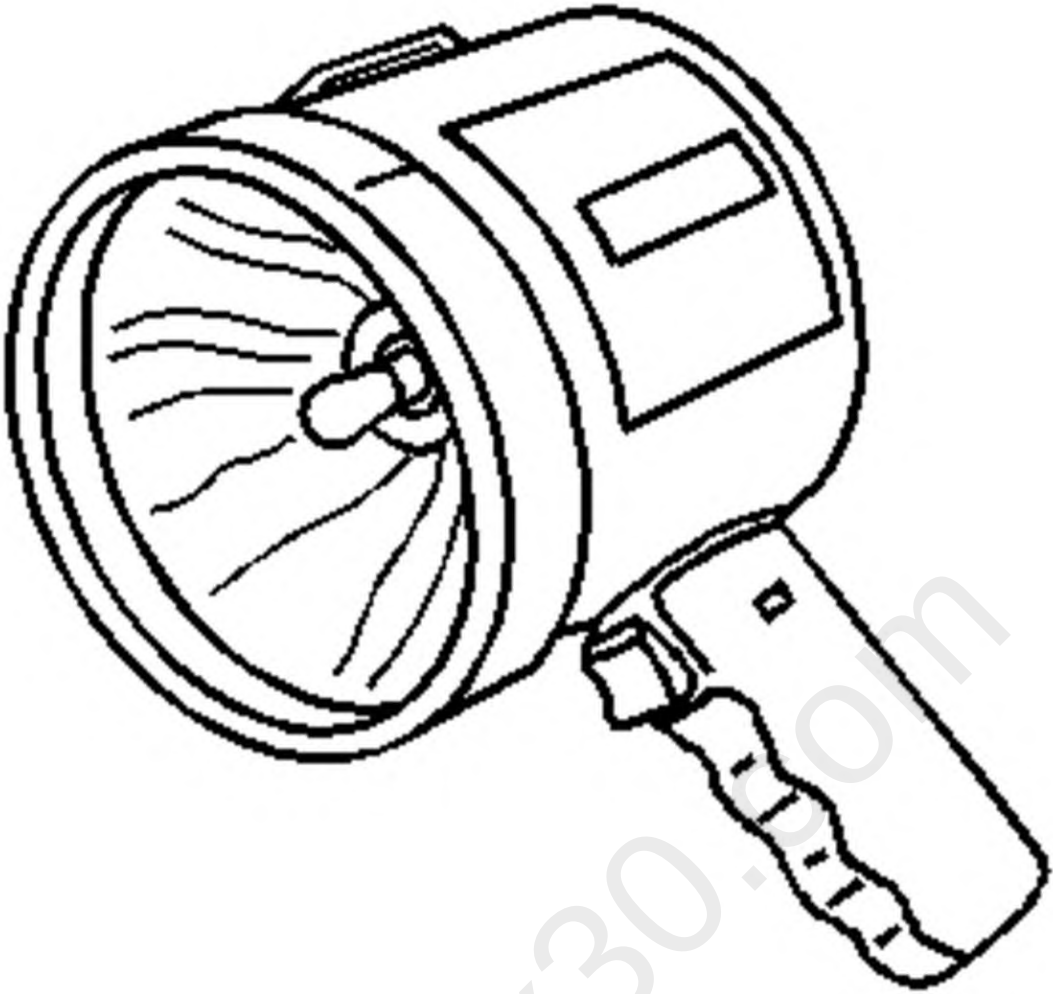
Illustration	Tool Number/Description
	GE-41413-SPT J-41413-SPT High Intensity White Light

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

Illustration	Tool Number/Description
	GE-41415-60 Engine Induction System Leak Test Adapter/Capless Fuel Fill Adapter

Illustration

Tool
Number/Description



GE-52250
Variable Pressure
Leak Detector

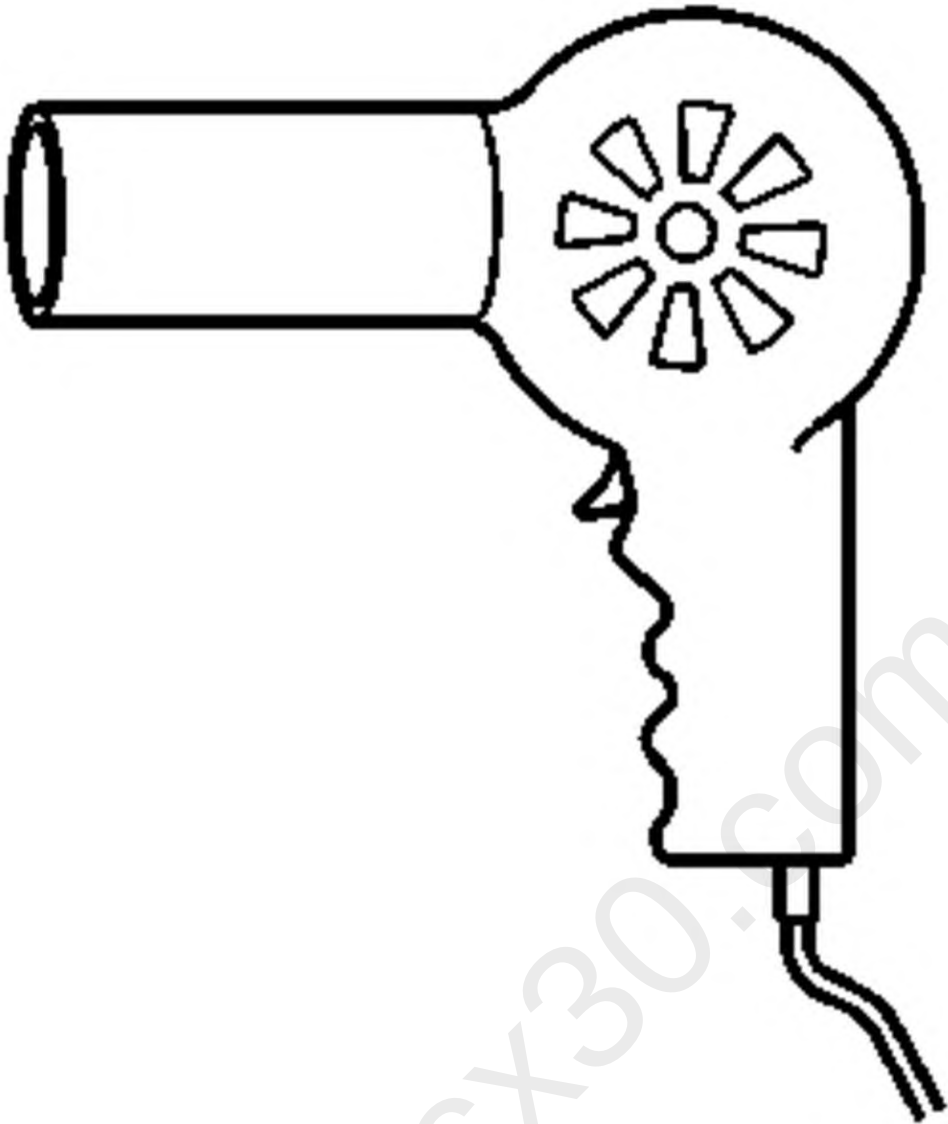
Illustration	Tool Number/Description
	J-25070 Heat Gun 260 - 399B°C (500 - 750B°F)

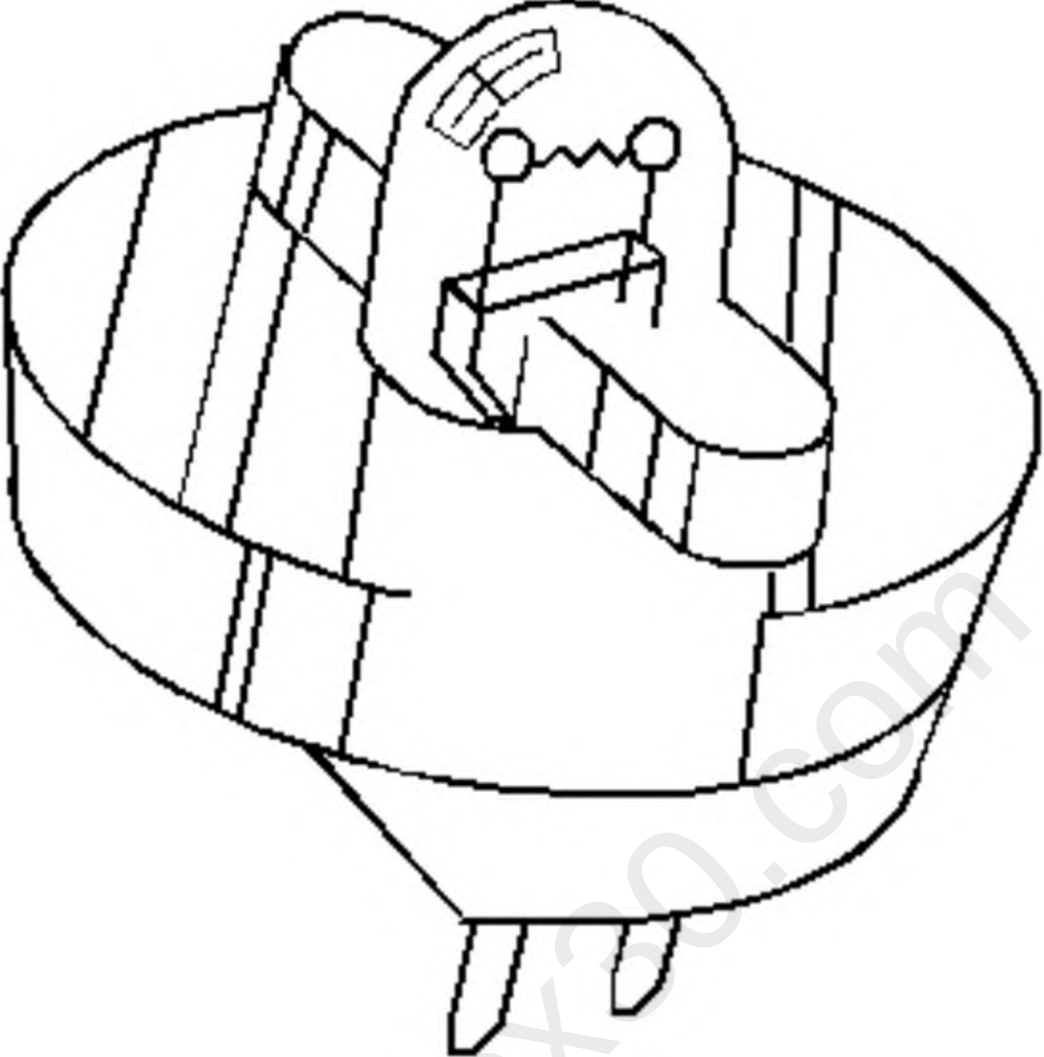
Illustration	Tool Number/Description
	J-34730-375 Injector Test Lamp

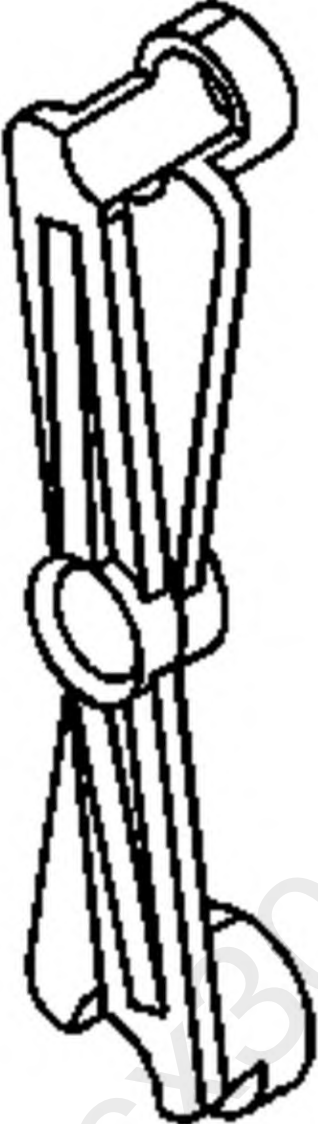
Illustration	Tool Number/Description
	J-44581 Fuel Line Disconnect Tool

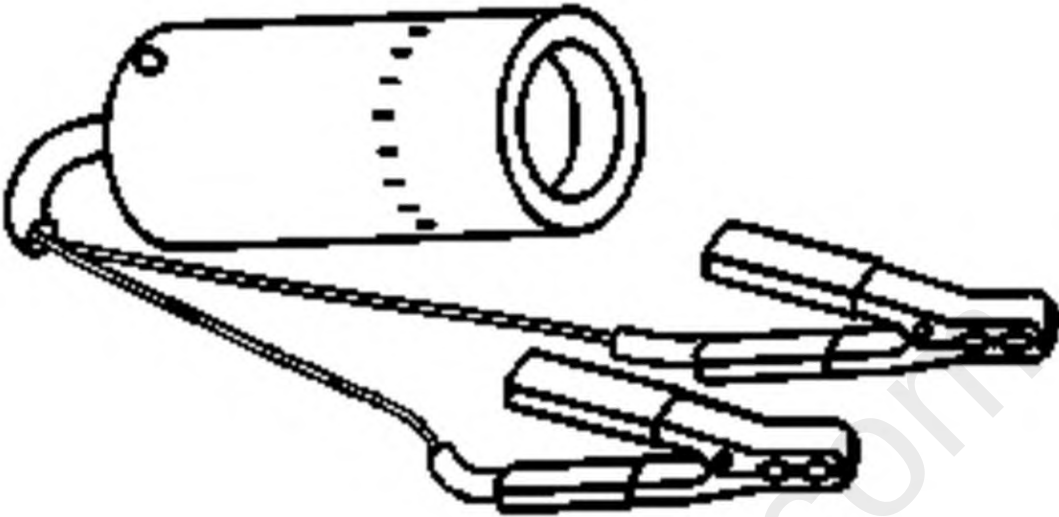
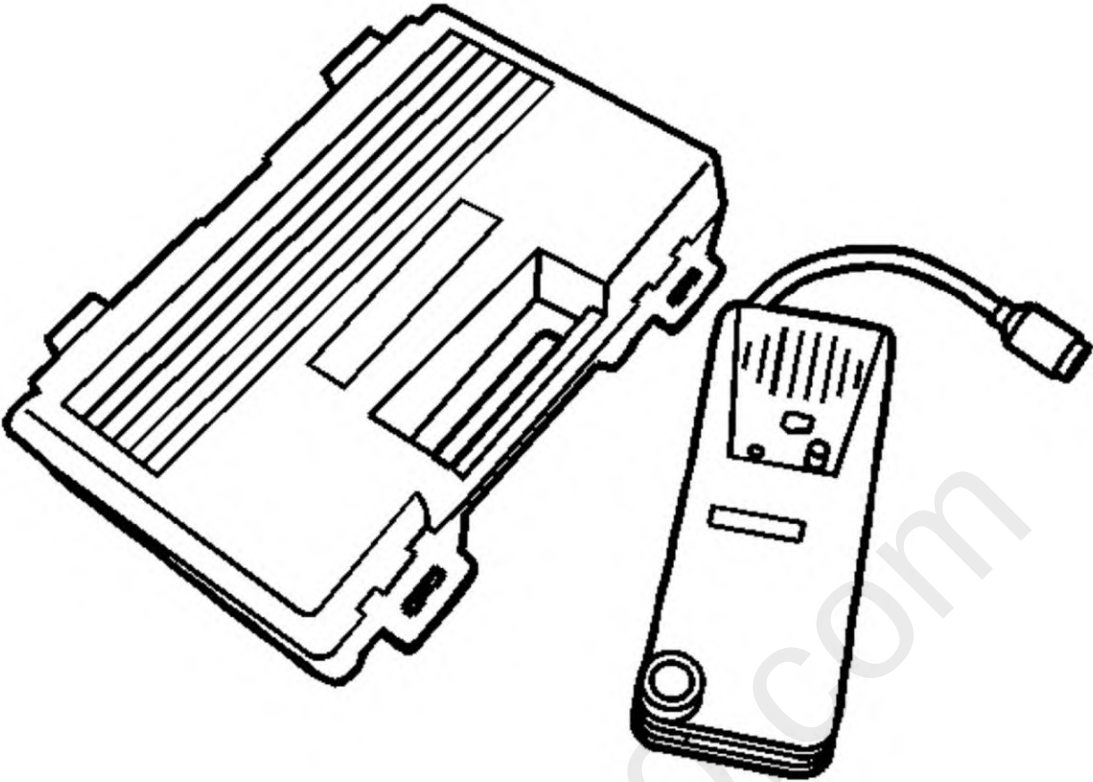
Illustration	Tool Number/Description
	J-28428 - E J 42220 CH 42220 Universal 12-Volt Leak Detection Lamp

Illustration	Tool Number/Description
	J-45878 Combustible Gas Detector