

2021 ENGINE PERFORMANCE

Engine Controls And Fuel - 2.5L (LCV) - Special Tools And Equipment - Canyon, Colorado

SPECIAL TOOLS AND EQUIPMENT

SPECIAL TOOLS (MECHANICAL TOOLS)

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

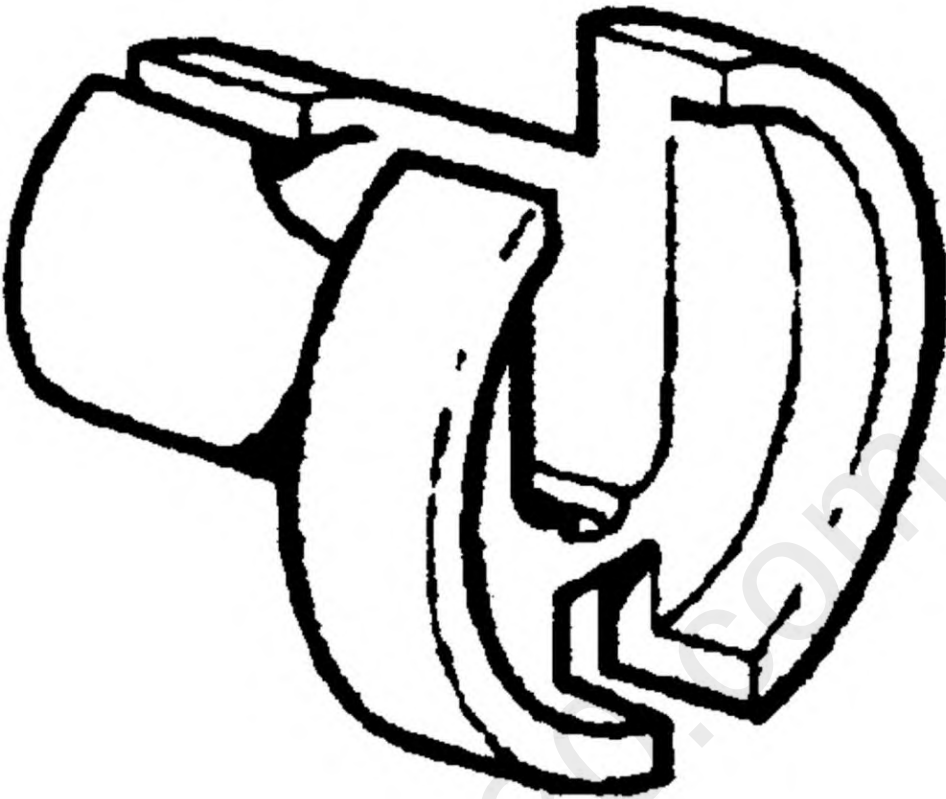
Illustration	Tool Number/Description
	EN-41769 J-41769 KM-41769 Fuel Line Quick Connect Separator

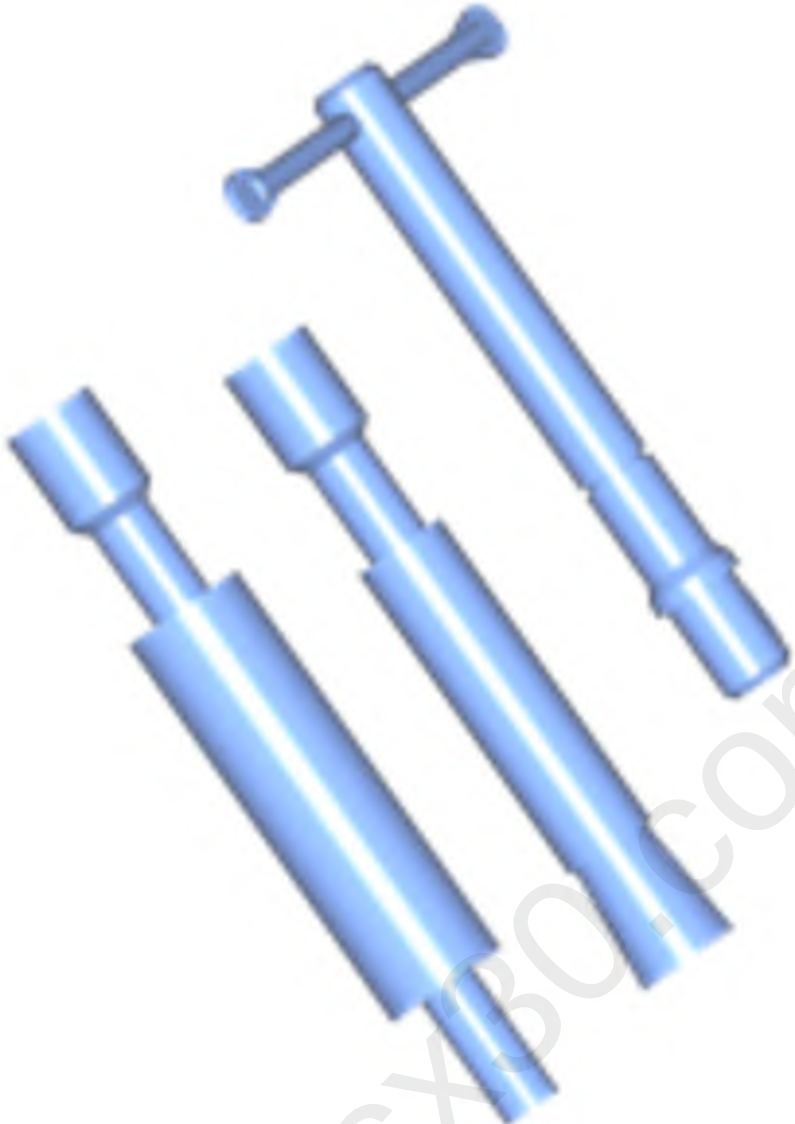
Illustration	Tool Number/Description
	EN-47909 Injector Bore and Sleeve Cleaning Kit

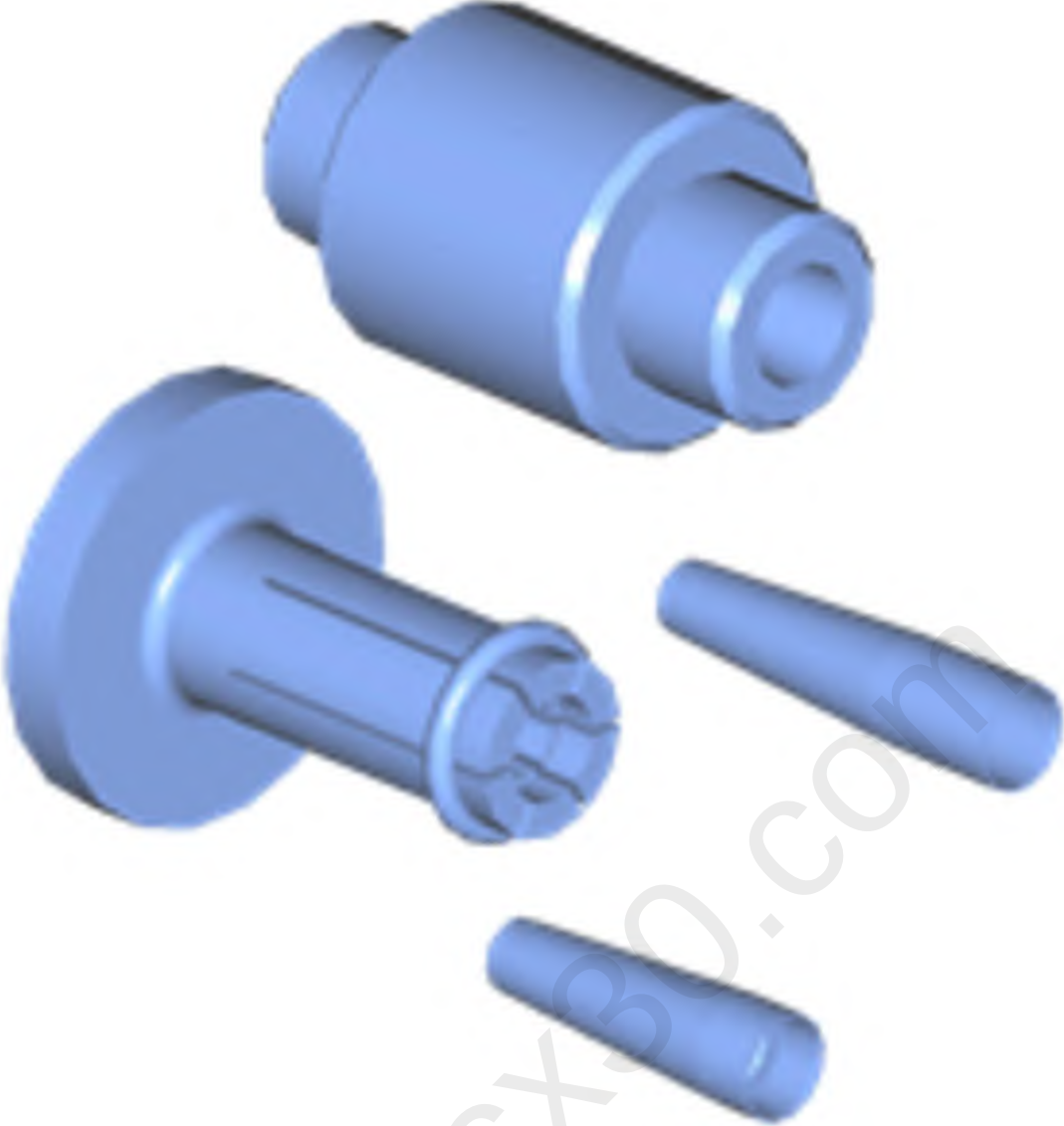
Illustration	Tool Number/Description
 A 3D CAD model of a fuel injector assembly. The main component is a cylindrical fuel injector with a flange at the top and a nozzle at the bottom. A blue seal and sizer, consisting of a large flange and a central shaft with a splined end, is shown inserted into the injector. Two small blue cylindrical pins are also shown, likely for securing the seal and sizer. A large, semi-transparent watermark 'mcx30.com' is overlaid diagonally across the image.	EN-49245 Fuel Injector Seal Install and Sizer

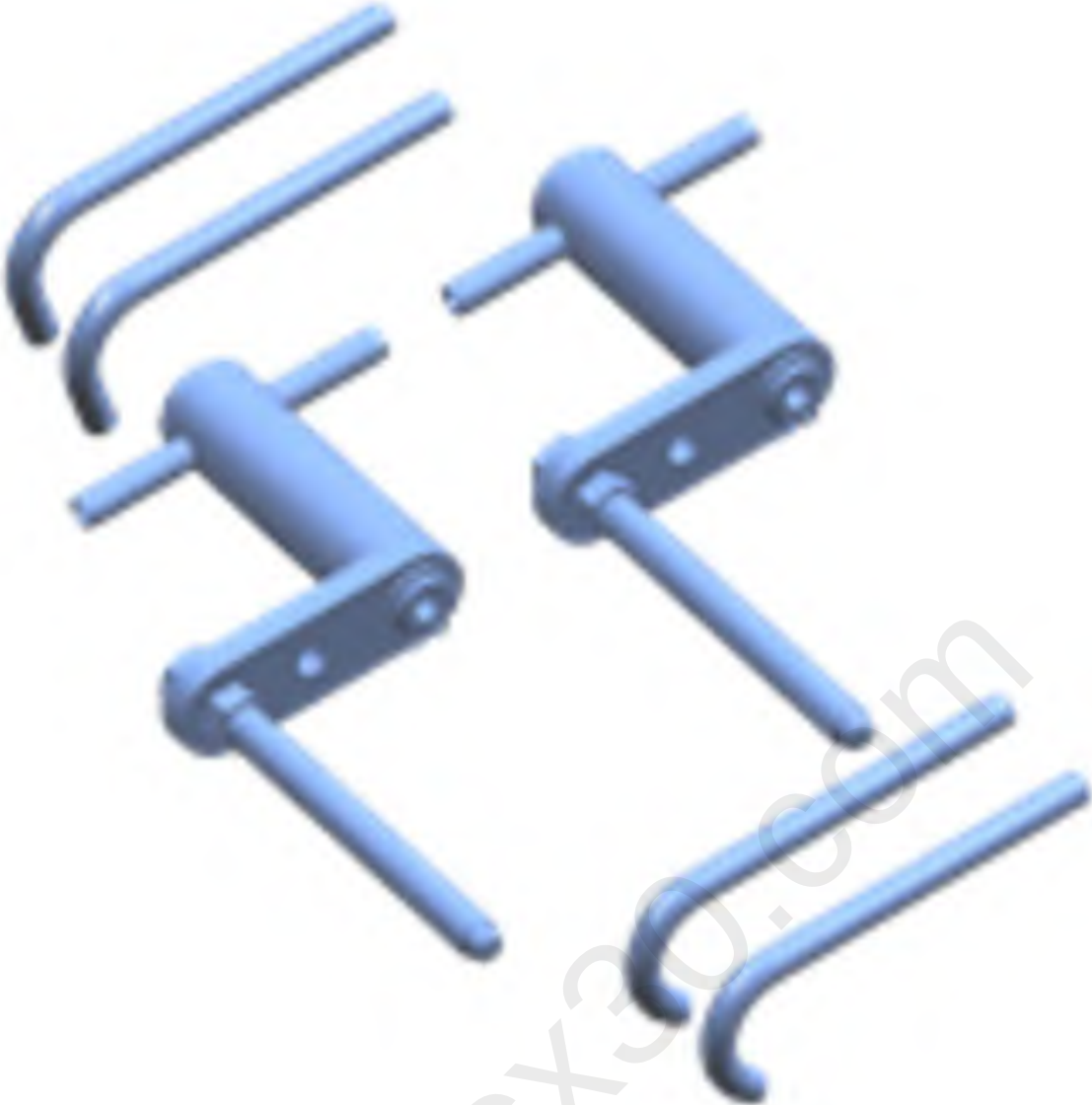
Illustration	Tool Number/Description
	EN-49248 Injector Rail Assembly Remover

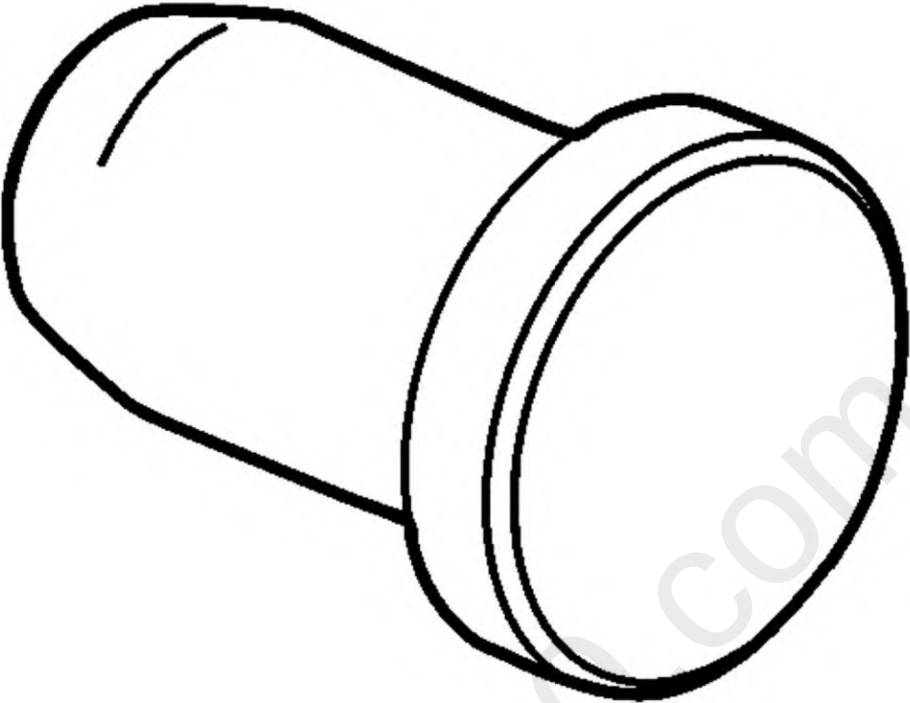
Illustration	Tool Number/Description
	EN-50790 High Pressure Fuel Pump Installation Alignment Gauge

Illustration	Tool Number/Description
	EN-50791 Fuel Injector Nozzle Installer

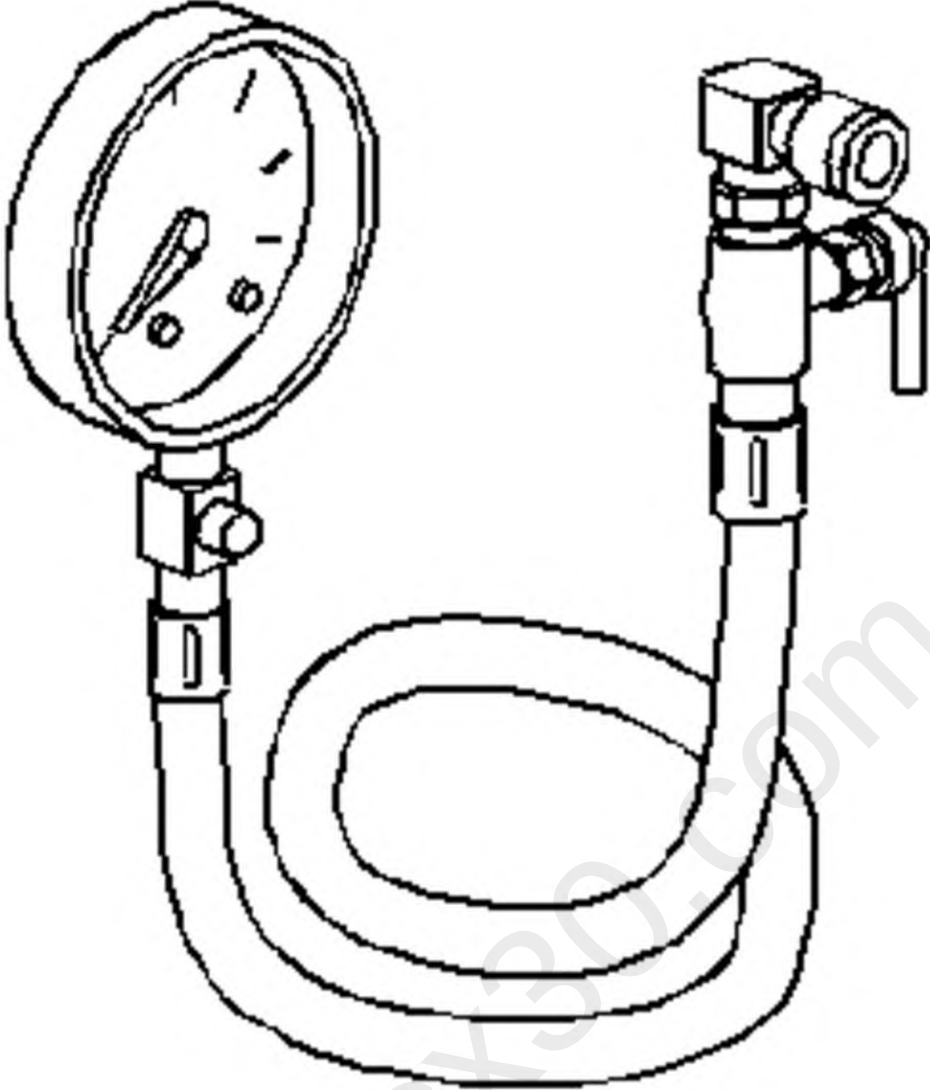
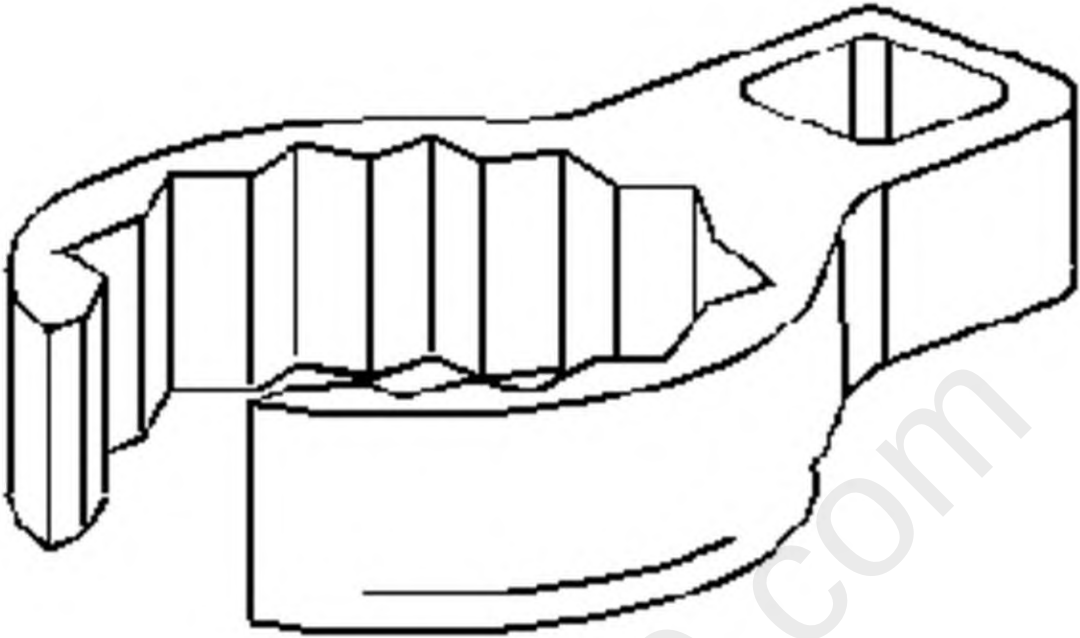
Illustration	Tool Number/Description
	J-34730-1A Fuel Pressure Gauge

Illustration	Tool Number/Description
	J-39194 Oxygen Sensor Wrench

SPECIAL TOOLS (DIAGNOSTIC TOOLS)

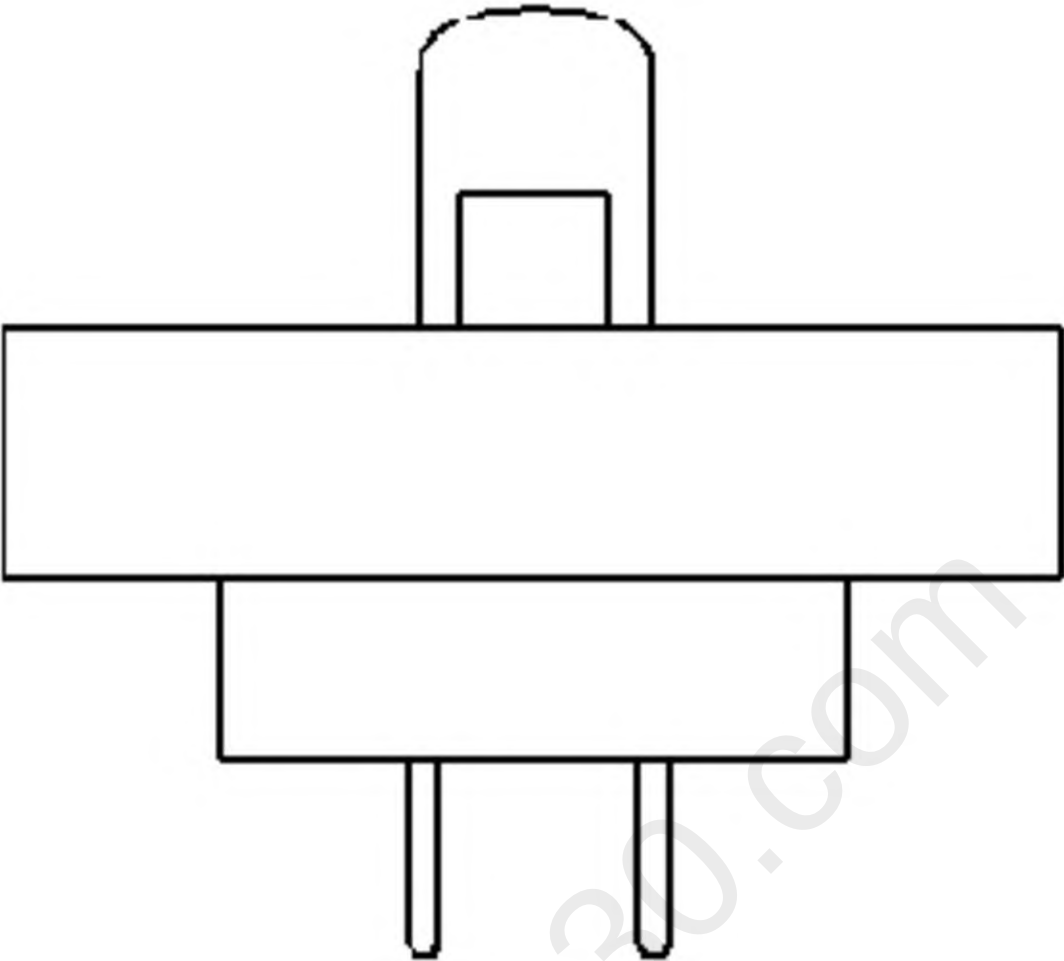
Illustration	Tool Number/Description
	CH-34730-2C J-34730-2C Injector Test Lamp

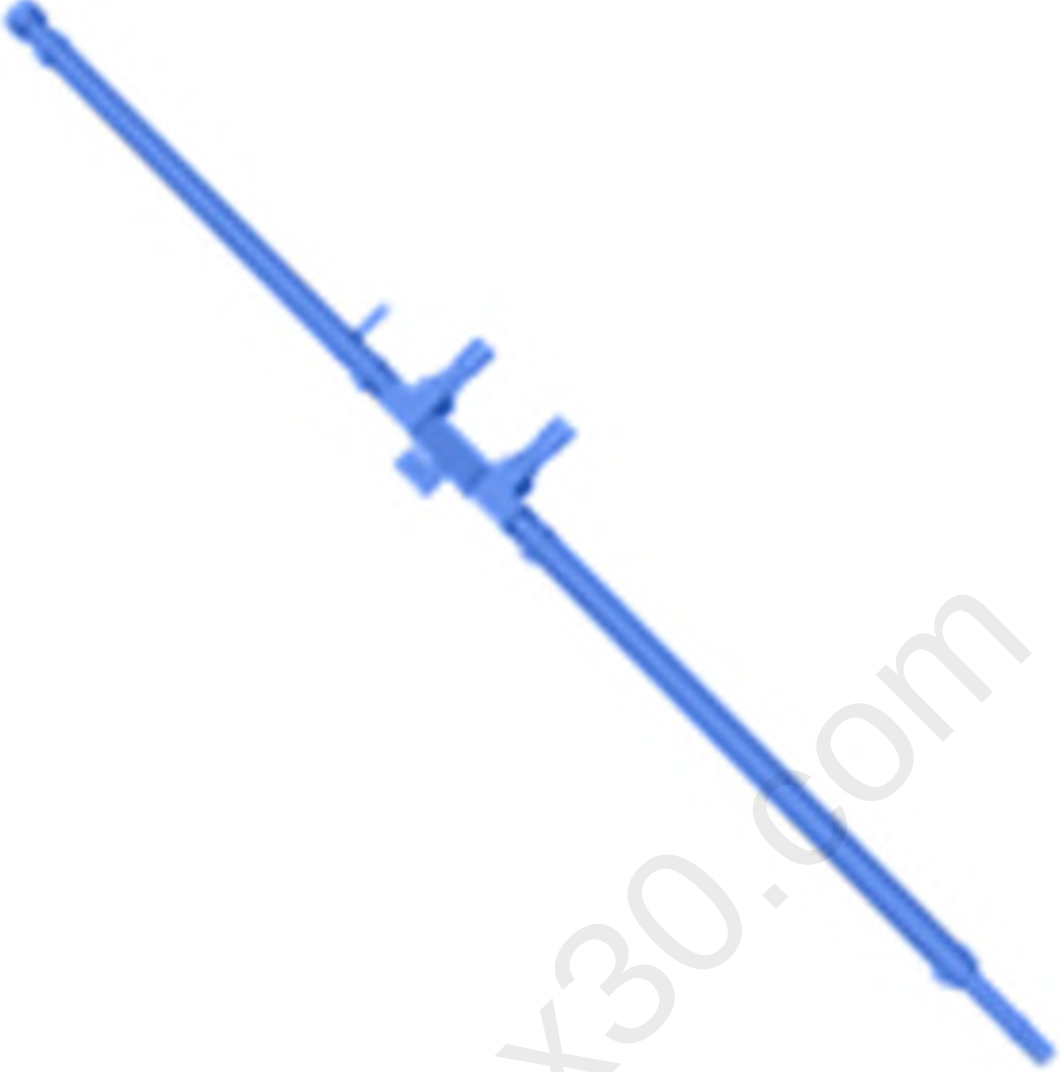
Illustration	Tool Number/Description
	CH-37287-1A Fuel Pressure Gauge Adapter 3/8"

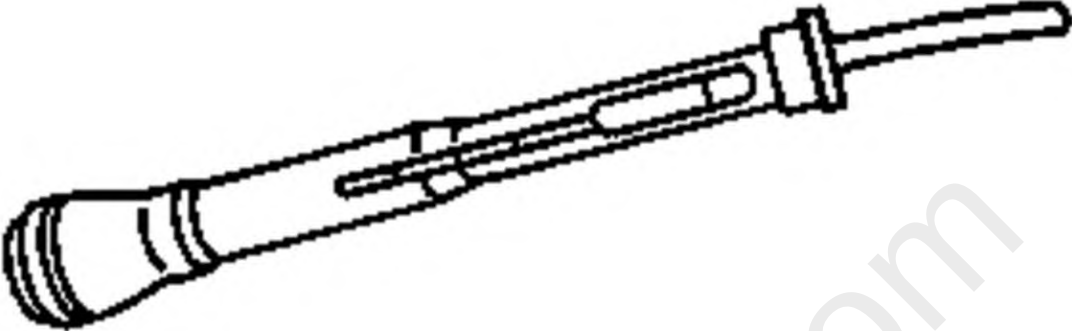
Illustration	Tool Number/Description
	CH-38641-B J-38641-B Diesel Fuel Quality Tester

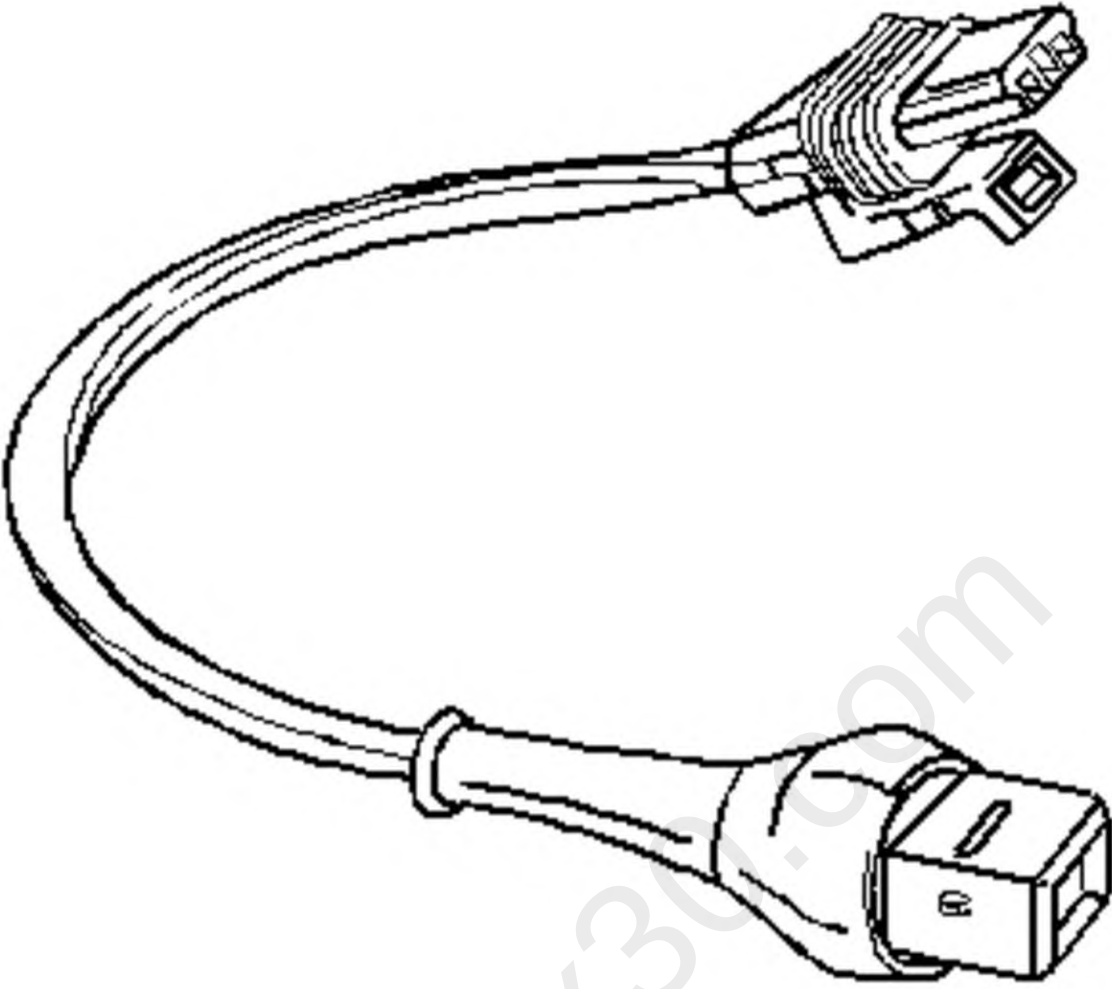
Illustration	Tool Number/Description
	CH-39021-301 J-39021-301 Fuel Injector Harness Adapter

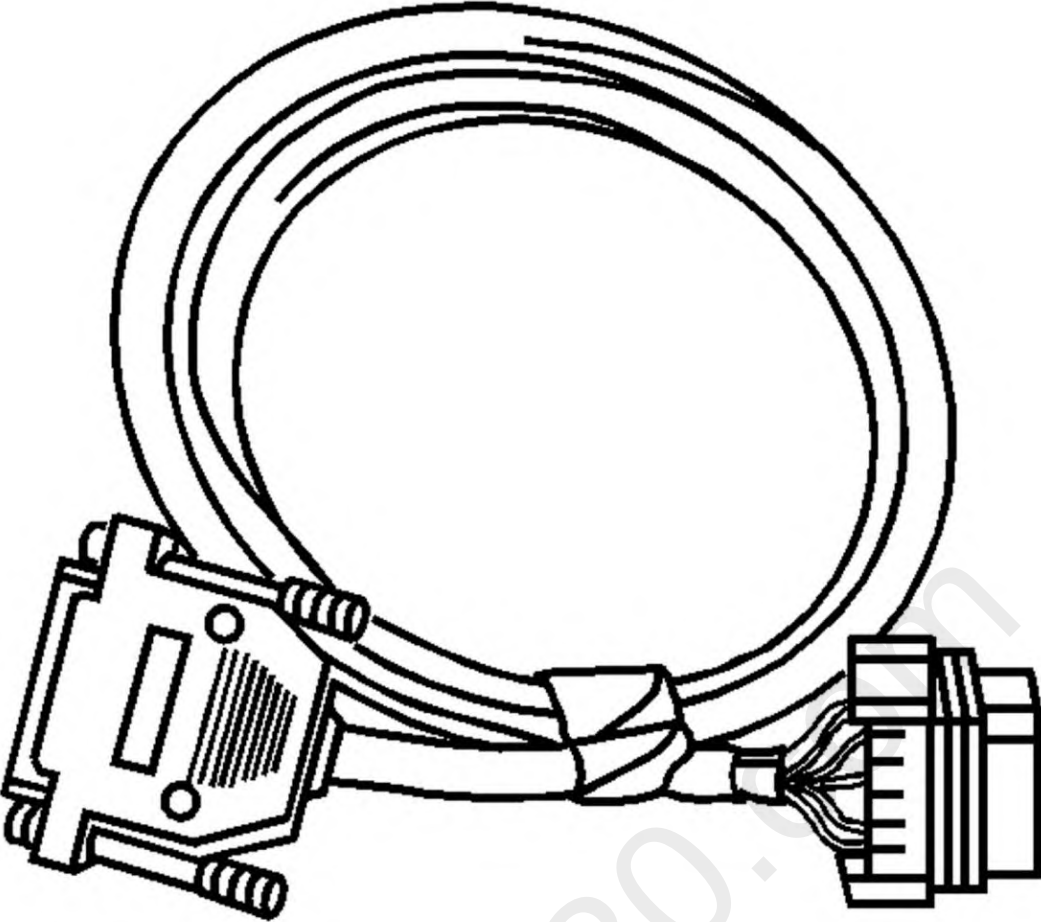
Illustration	Tool Number/Description
	CH-39021-460 J-39021-460 Fuel Injector Test Adapter

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

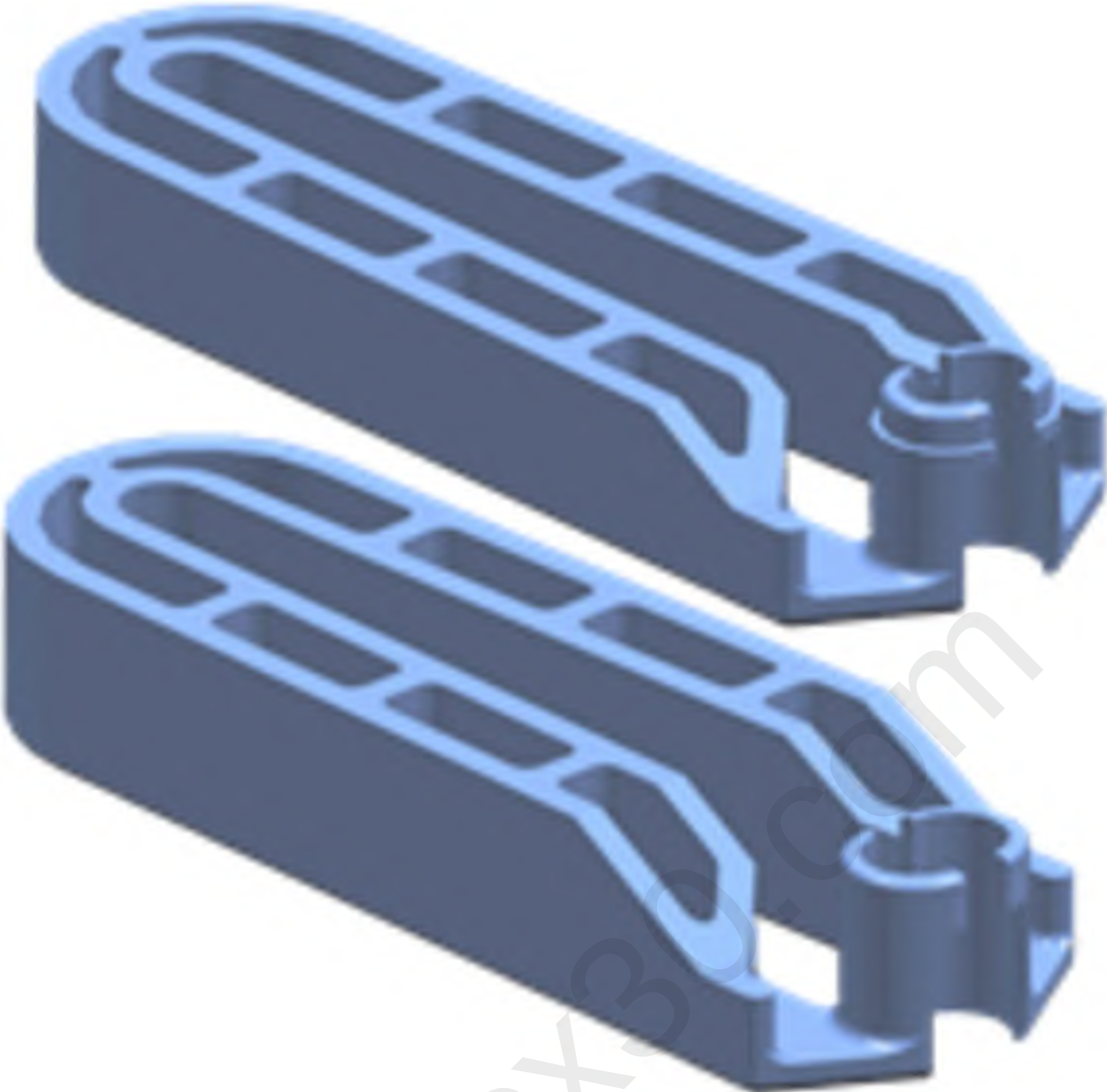
Illustration	Tool Number/Description
	CH-41769 J-41769 Fuel Line Quick Disconnect Tool

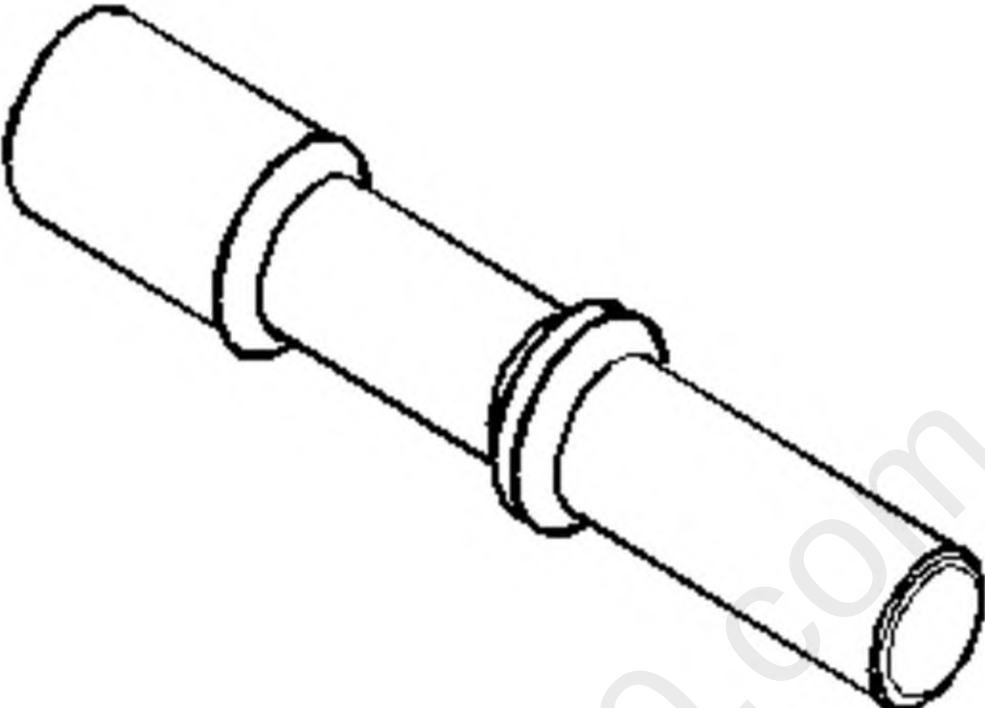
Illustration	Tool Number/Description
	CH-44284-2 J-44284-2 Fuel Flapper Door Holder

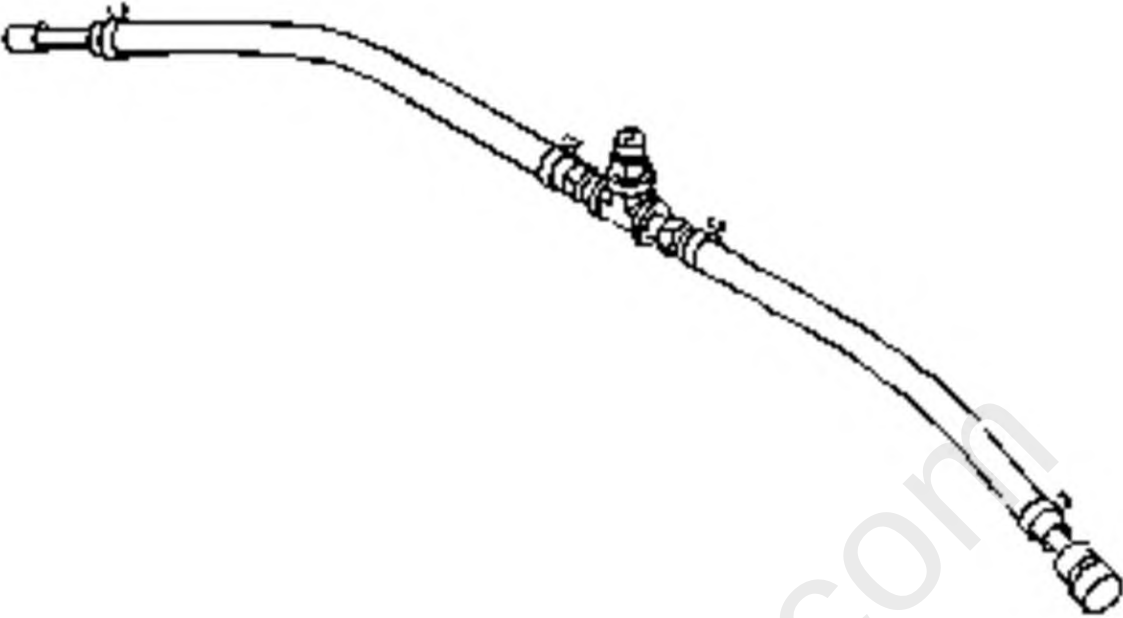
Illustration	Tool Number/Description
	CH-42982 J-42982 Fuel Pressure Gauge Adapter

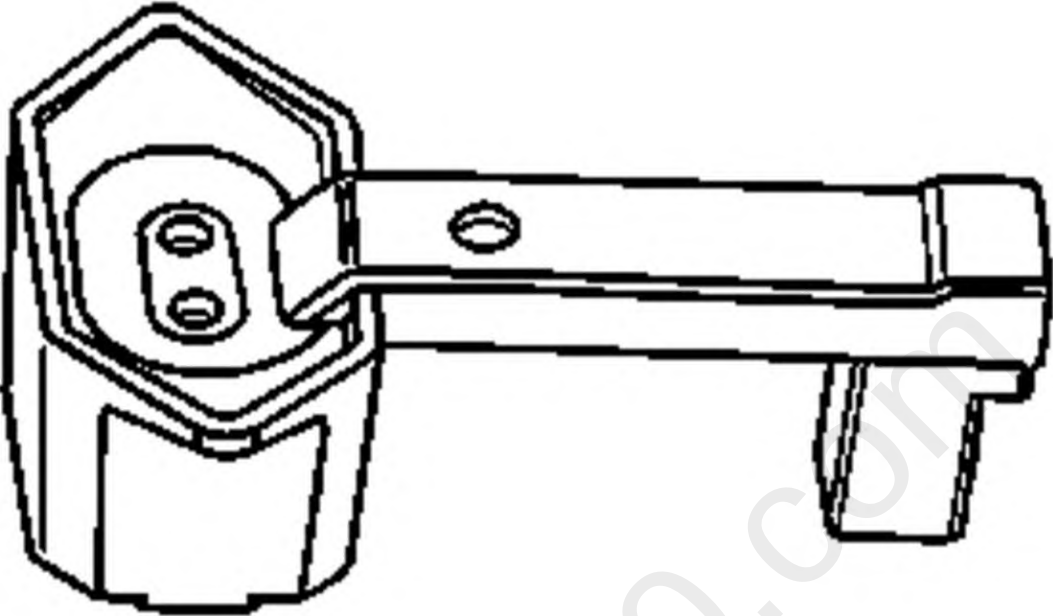
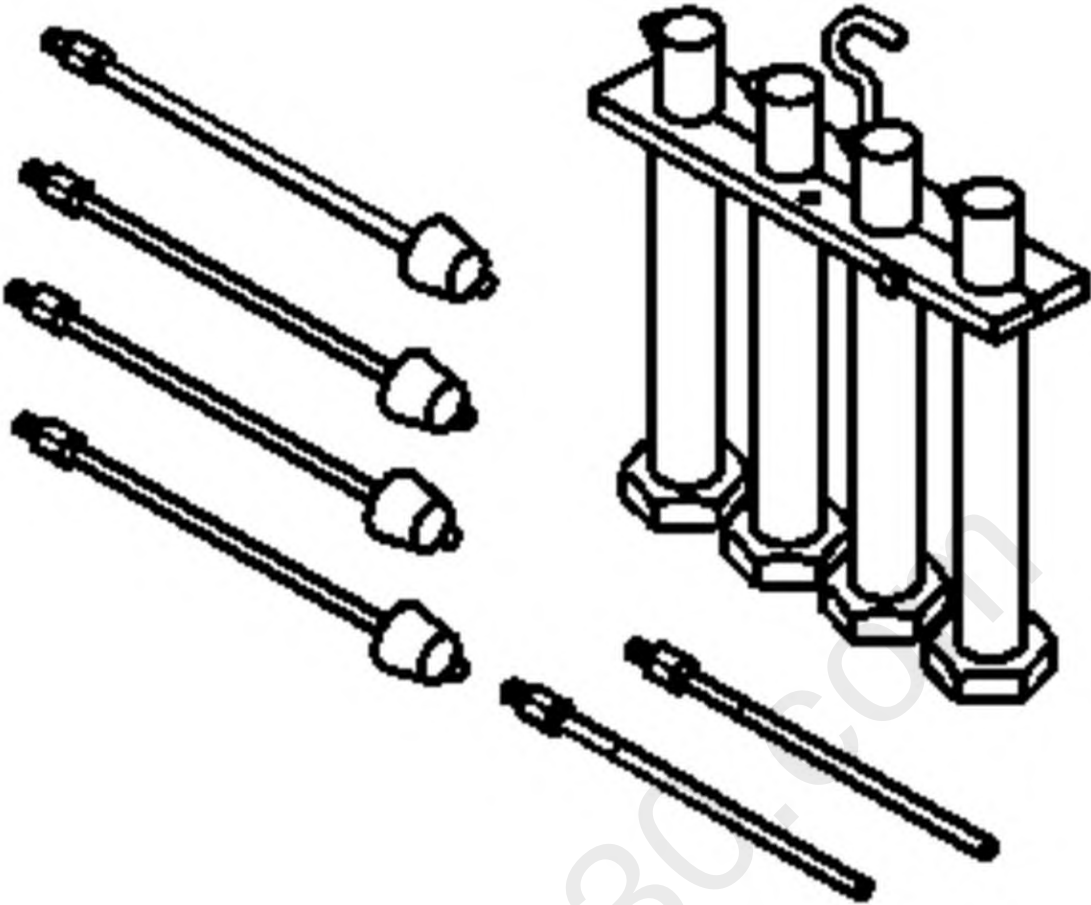
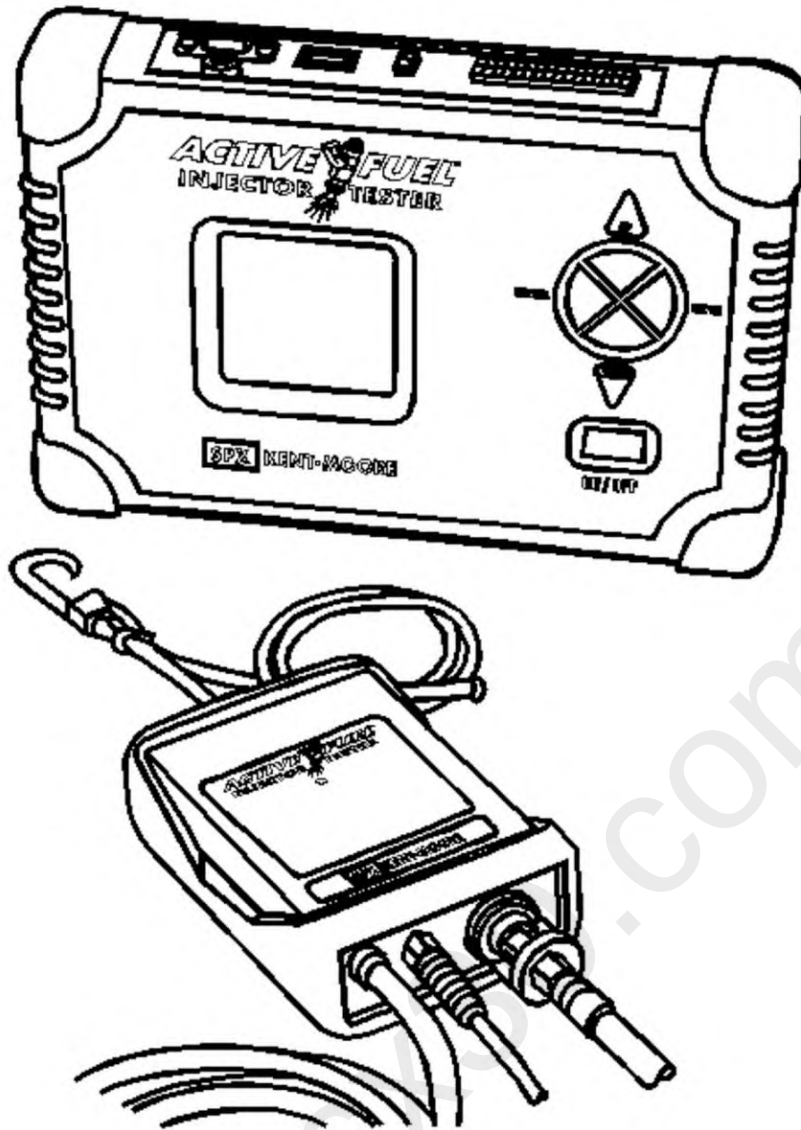
Illustration	Tool Number/Description
	CH-44175-A J-44175-A Fuel Composition Tester

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

Illustration

Tool Number/Description



CH-47976
Active Fuel Injector
Tester (AFIT)

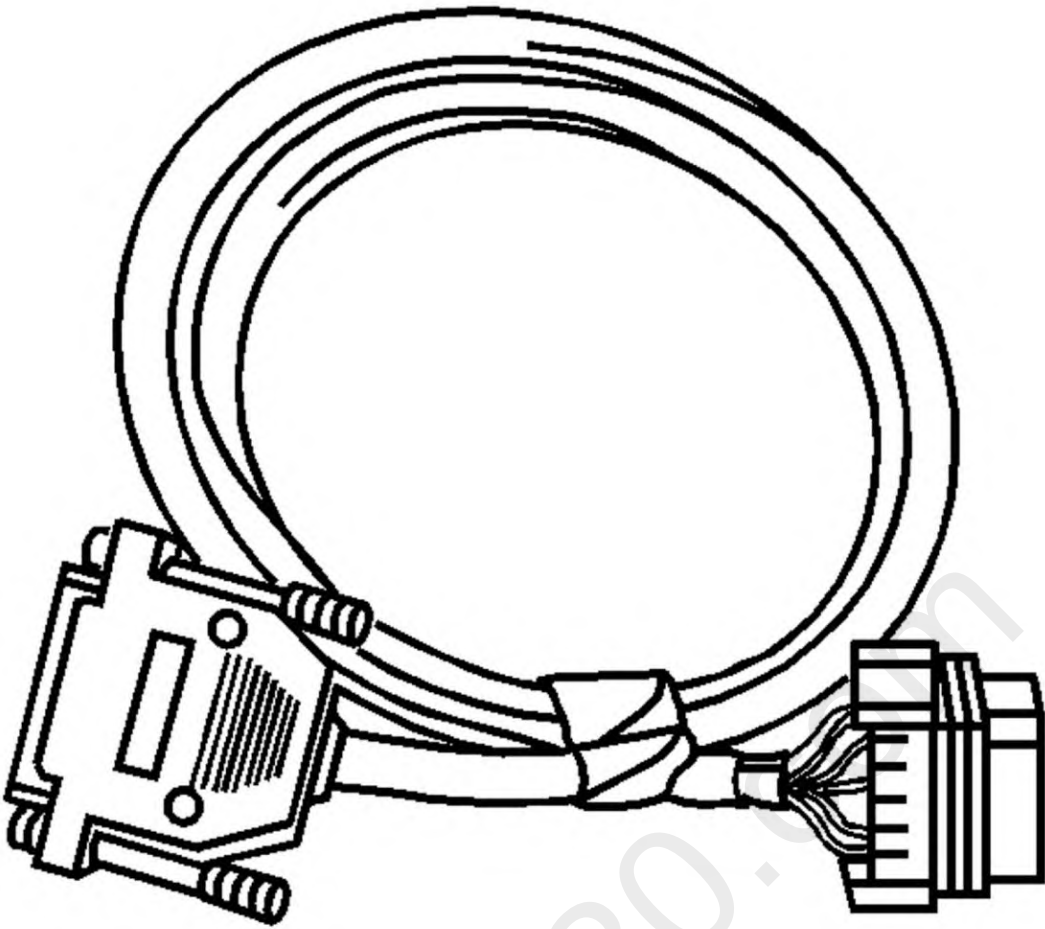
Illustration	Tool Number/Description
	CH-47976-75 Fuel Injector Harness Adapter

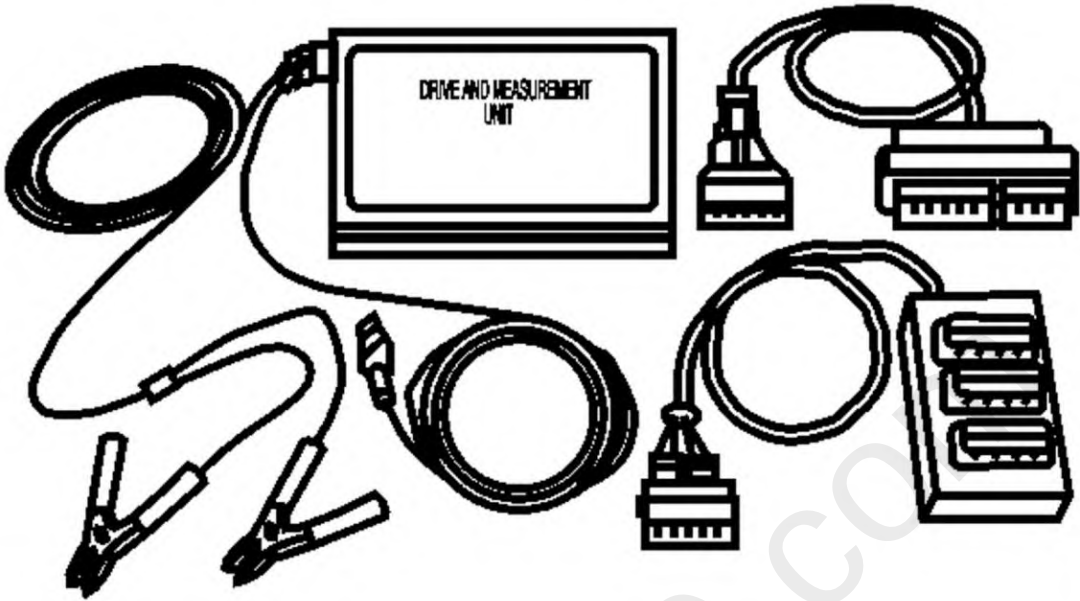
Illustration	Tool Number/Description
	CH-47976-500A Active Fuel Injection Tester (AFIT) SIDI Adapter Kit

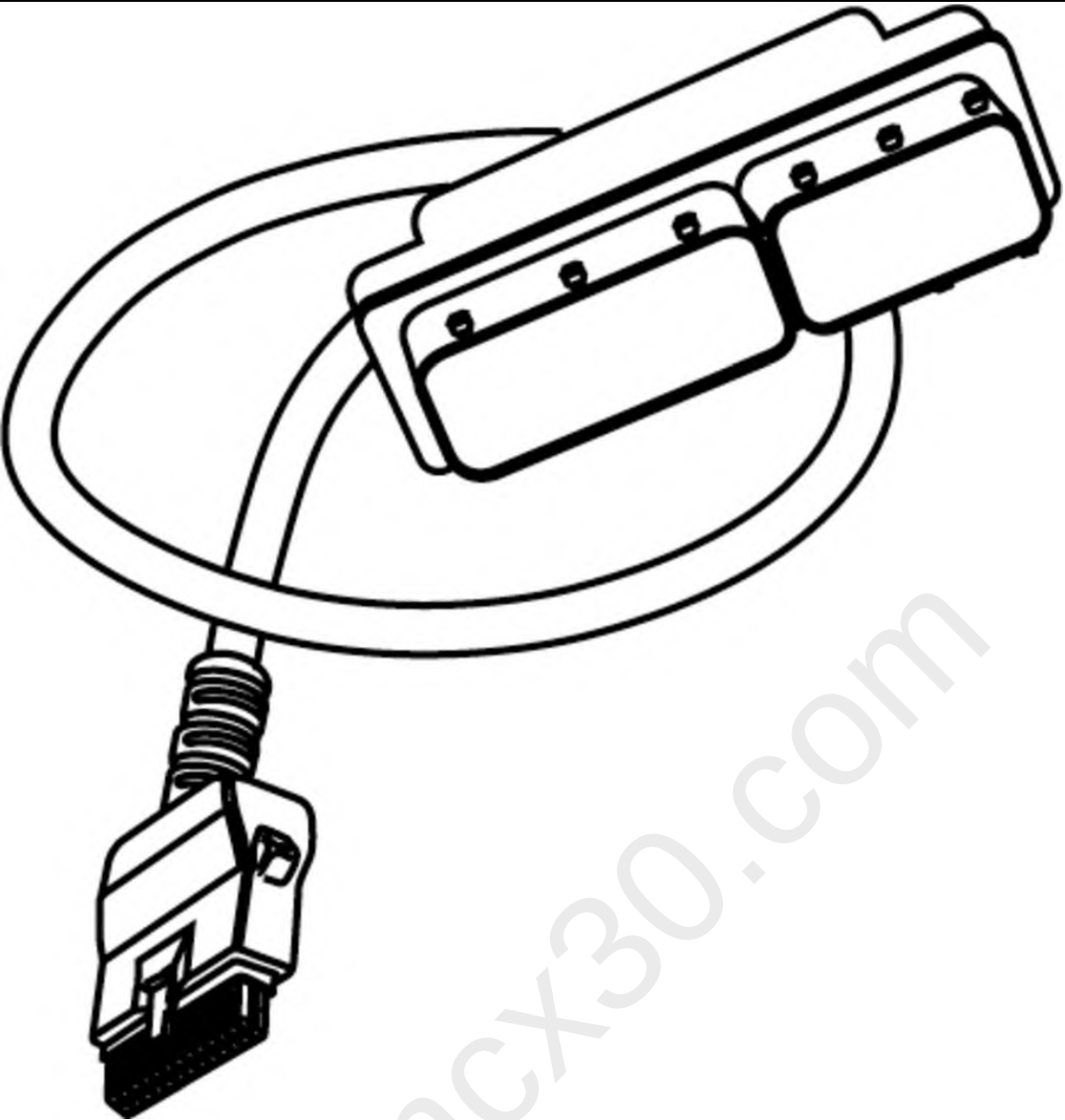
Illustration	Tool Number/Description
	CH-47976-501 AFIT SIDI G1 Adapter Cable

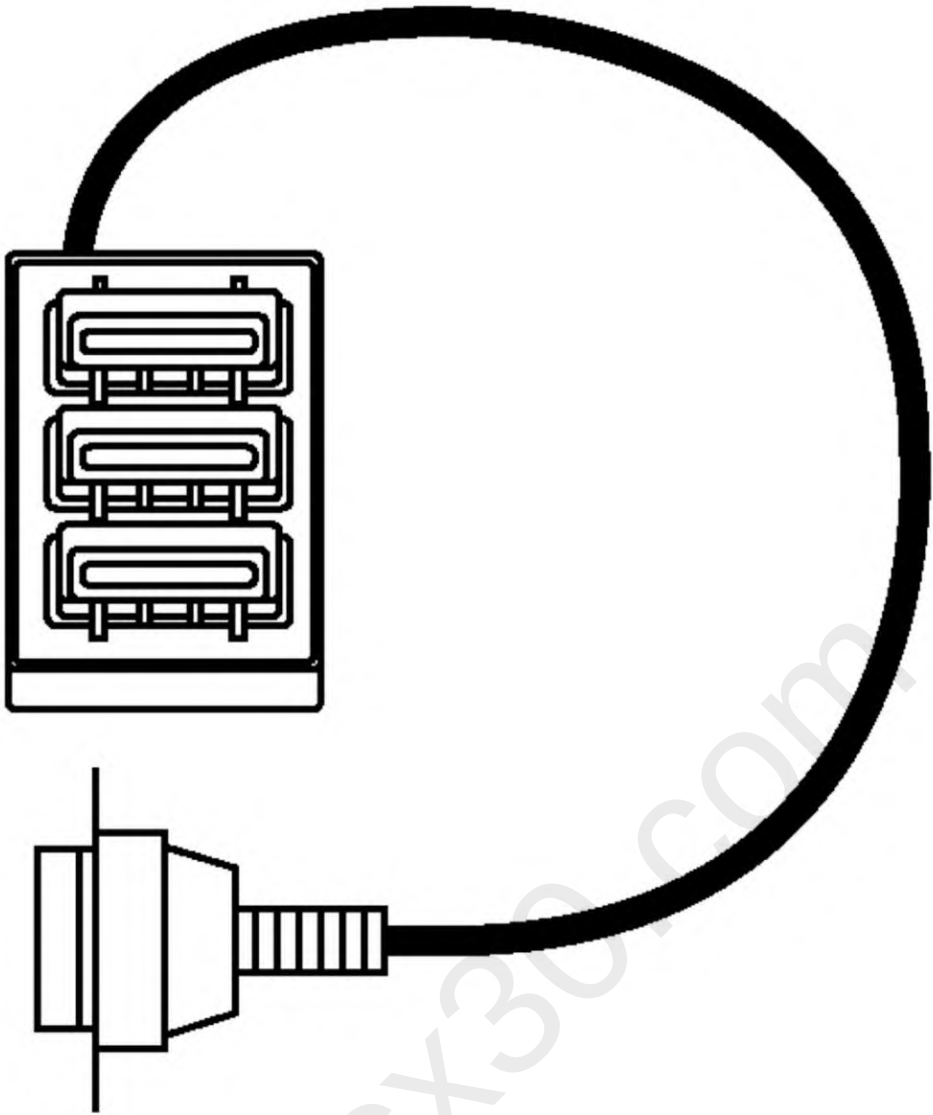
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. At the top left, the cable is connected to a rectangular multi-pin connector with three rows of pins. At the bottom left, the cable is connected to a different connector with a cylindrical body and a flared base. A faint watermark 'mcx330.com' is visible across the center of the image.	CH-47976-502A AFIT SIDI E92 G2A Adapter Cable

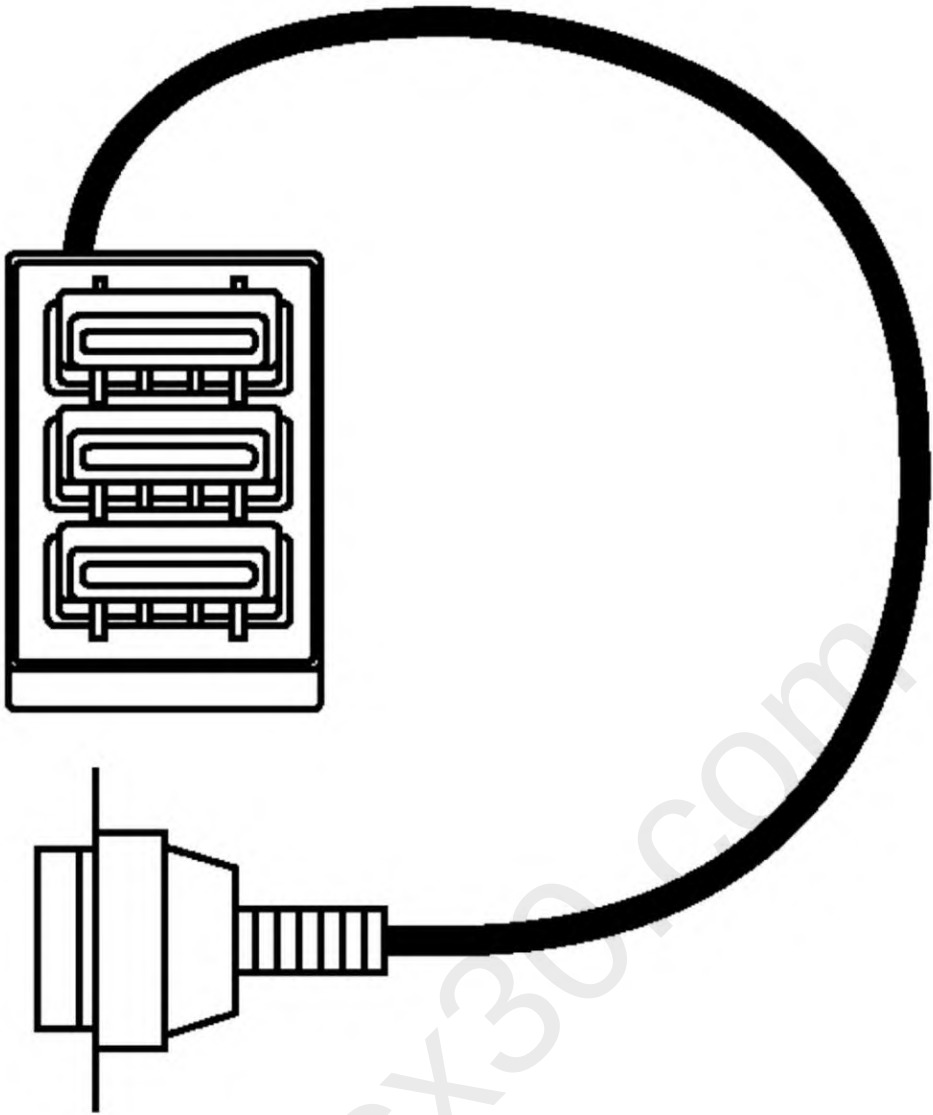
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. At the top left of the loop is a rectangular multi-pin connector with three rows of pins. At the bottom left of the loop is a different connector, which appears to be a D-subminiature connector with a shielded cable. A faint watermark 'mcx330.com' is visible across the center of the image.	CH-47976-503 AFIT SIDI E80 G3 Adapter Cable

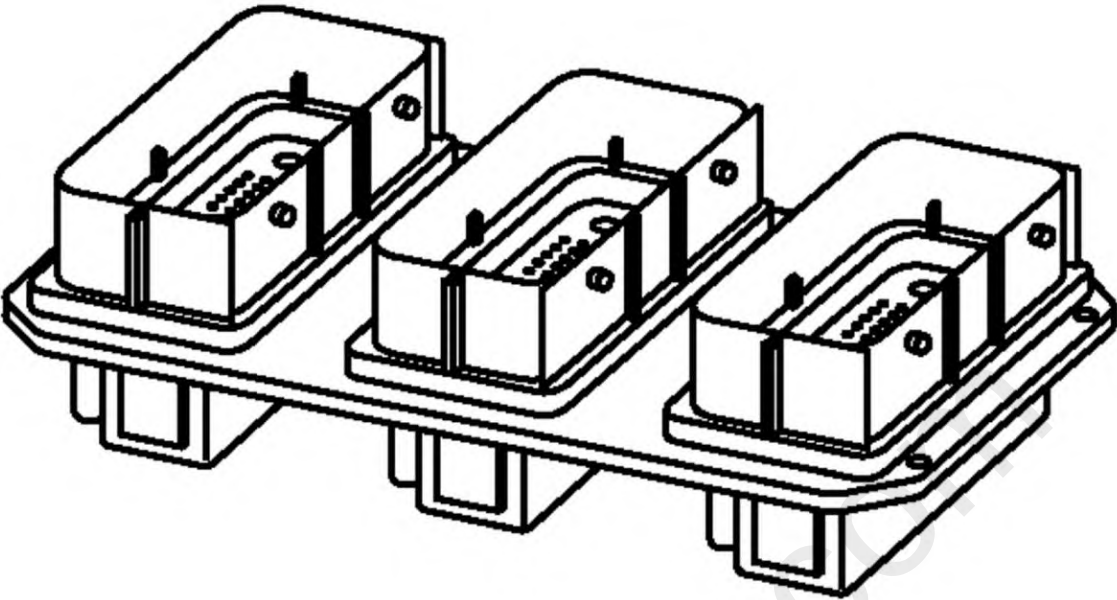
Illustration	Tool Number/Description
 The illustration shows three identical rectangular adapters mounted side-by-side on a common base. Each adapter has a top surface with a recessed area containing a row of small pins or contacts. The base has three corresponding mounting points. A large, faint watermark 'mcx30.com' is visible diagonally across the image.	CH-47976-504 E92/E39A G2B Start/Stop Adapter

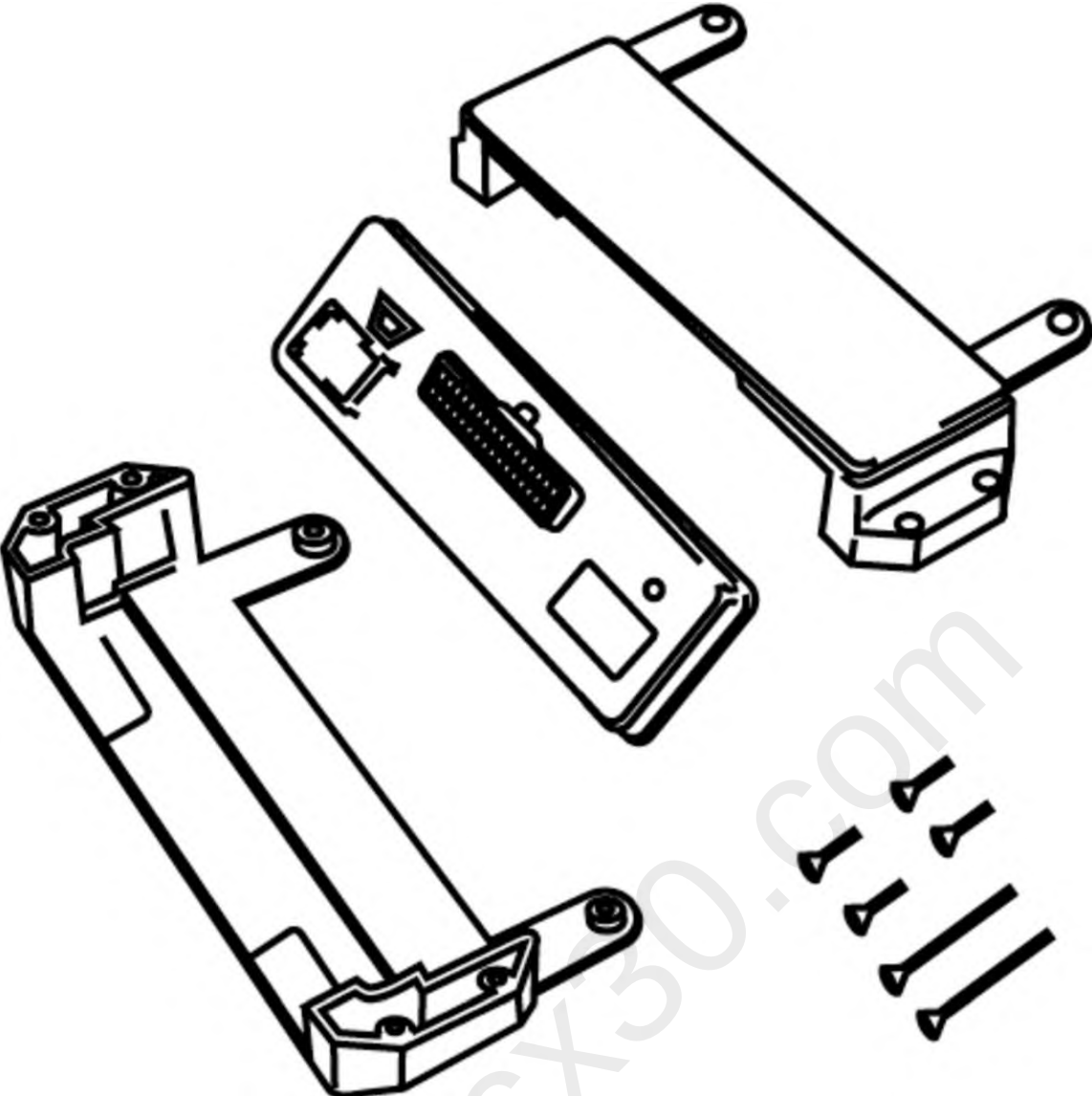
Illustration	Tool Number/Description
 The diagram shows an exploded view of the AFIT Sent Adapter assembly. It includes three main components: a top cover, a central body, and a base. The top cover has a circular feature on its side. The central body features a multi-pin connector and a rectangular cutout. The base has a similar circular feature. Additionally, there are five screws shown separately, which are used to secure the assembly. A watermark 'mcx30.com' is visible across the diagram.	CH-47976-507 AFIT Sent Adapter

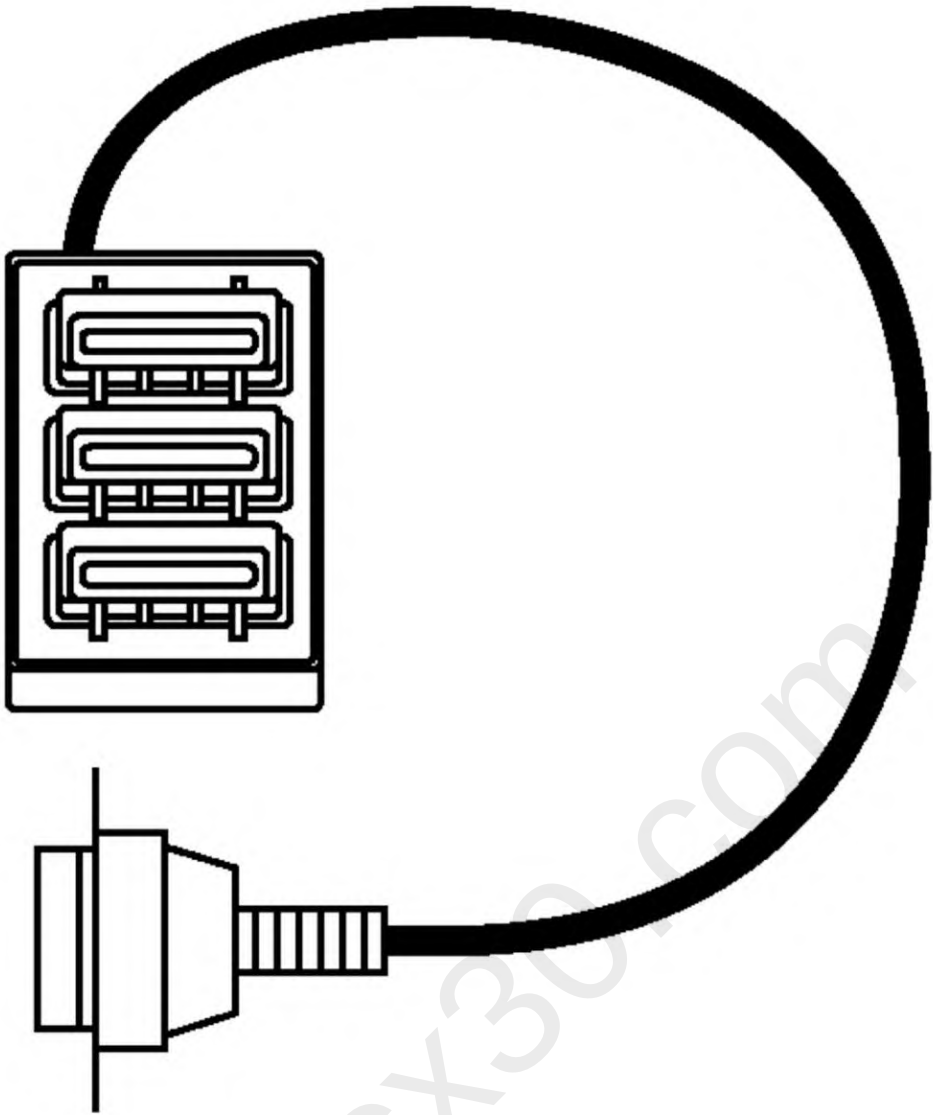
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. At the top left of the loop is a rectangular connector with three horizontal rows of pins. At the bottom left of the loop is a different connector, which is cylindrical with a flange and a series of vertical ridges. A faint watermark 'mcx330.com' is visible across the center of the image.	CH-47976-509 AFIT SIDI E81 G4 Adapter Cable

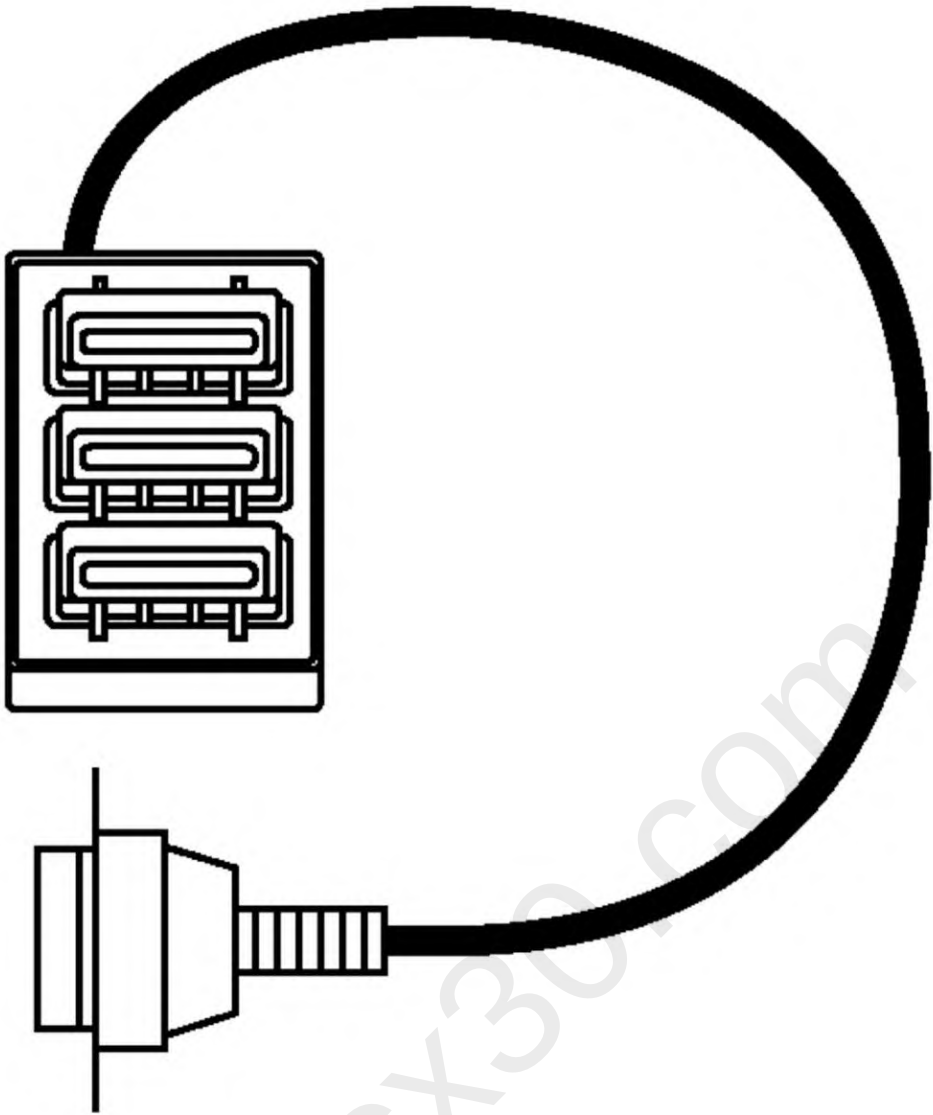
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. On the left side of the loop is a rectangular multi-pin connector with three rows of pins. At the bottom of the loop is a different type of connector, which appears to be a circular or cylindrical plug with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

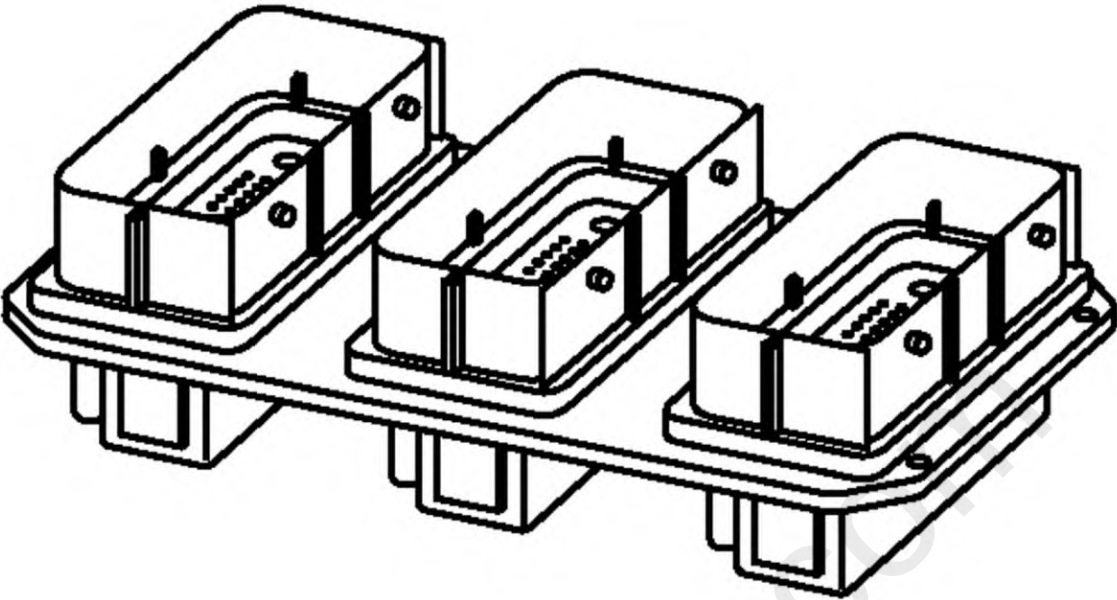
Illustration	Tool Number/Description
	CH-47976-512 E80 G3B Stop/Start Adapter

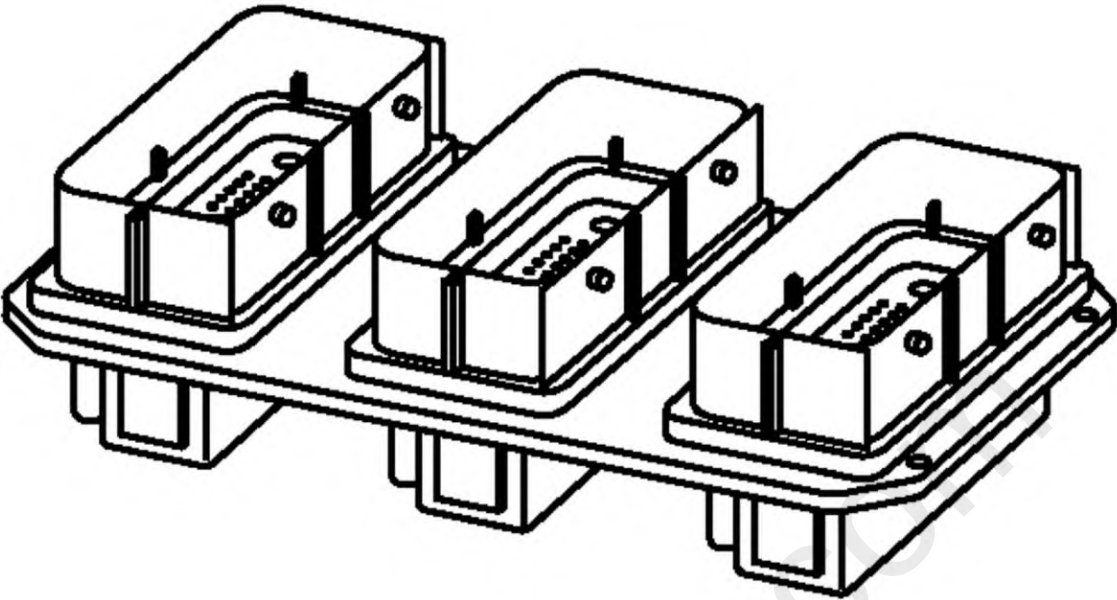
Illustration	Tool Number/Description
	CH-47976-513 E92 G2C Stop/Start and SENT Adapter

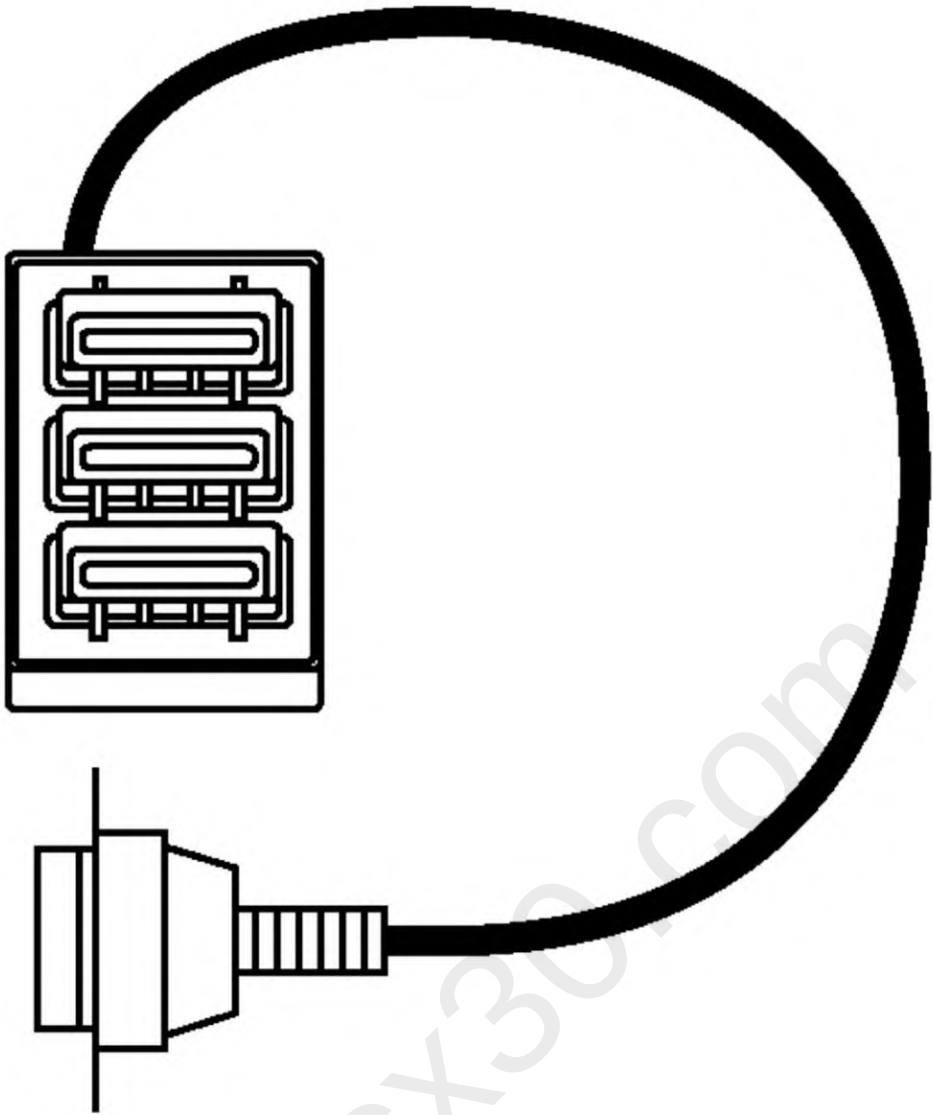
Illustration	Tool Number/Description
 The illustration shows a black cable forming a large loop. At the top left, the cable is connected to a rectangular multi-pin connector with three rows of pins. At the bottom left, the cable ends in a different connector, which has a cylindrical base and a flared, bell-shaped top. A faint watermark 'mcx330.com' is visible across the center of the image.	CH-47976-514 AFIT SIDI E88 G6 Adapter Cable

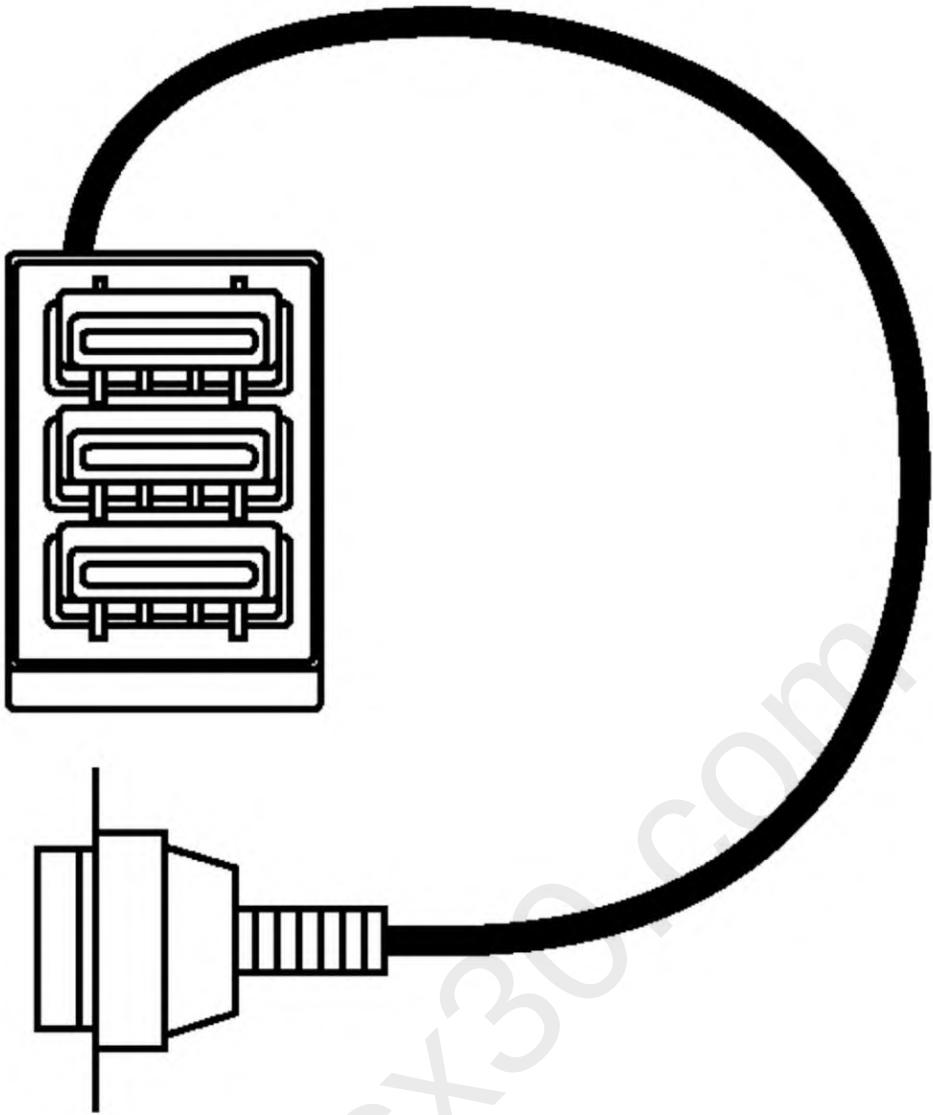
Illustration	Tool Number/Description
 The diagram shows a cable with a multi-pin connector on the left and a circular loop on the right. The connector has three main sections, each with multiple pins. The cable is thick and black. A watermark 'mcx30.com' is visible across the diagram.	CH-47976-515 AFIT Universal Cable

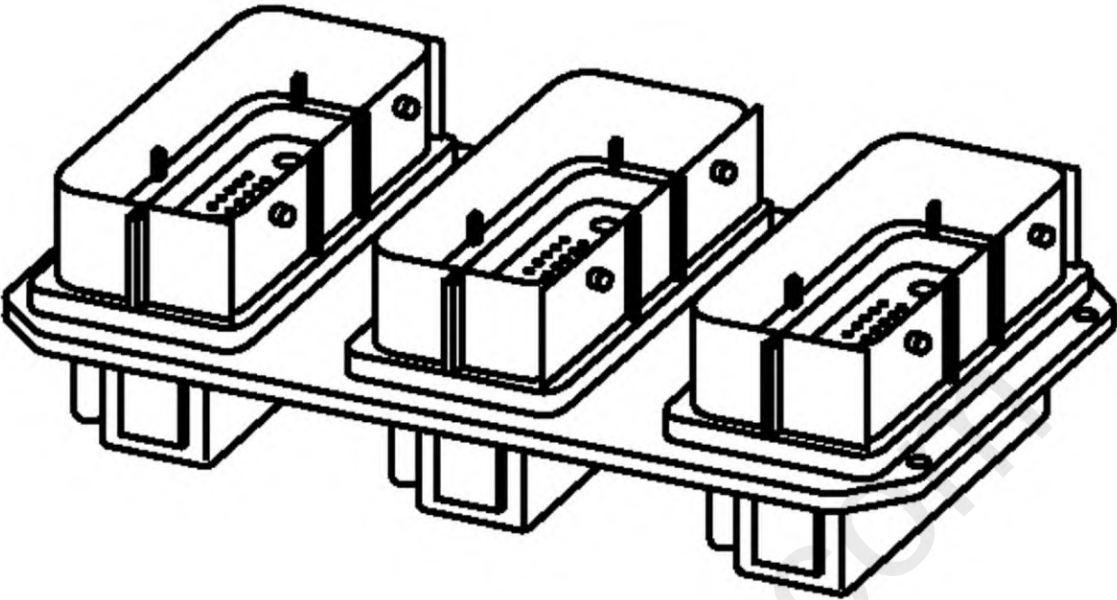
Illustration	Tool Number/Description
	CH-47976-516 AFIT E01 G7 Adapter Cable

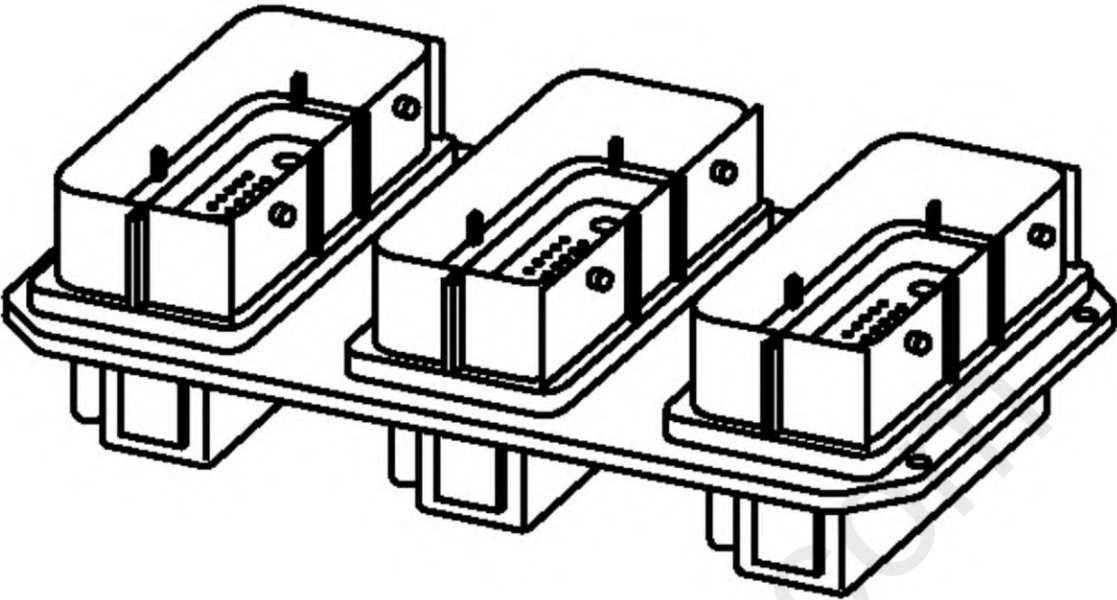
Illustration	Tool Number/Description
	CH-47976-517 AFIT E90 & E93 G8 Adapter Cable

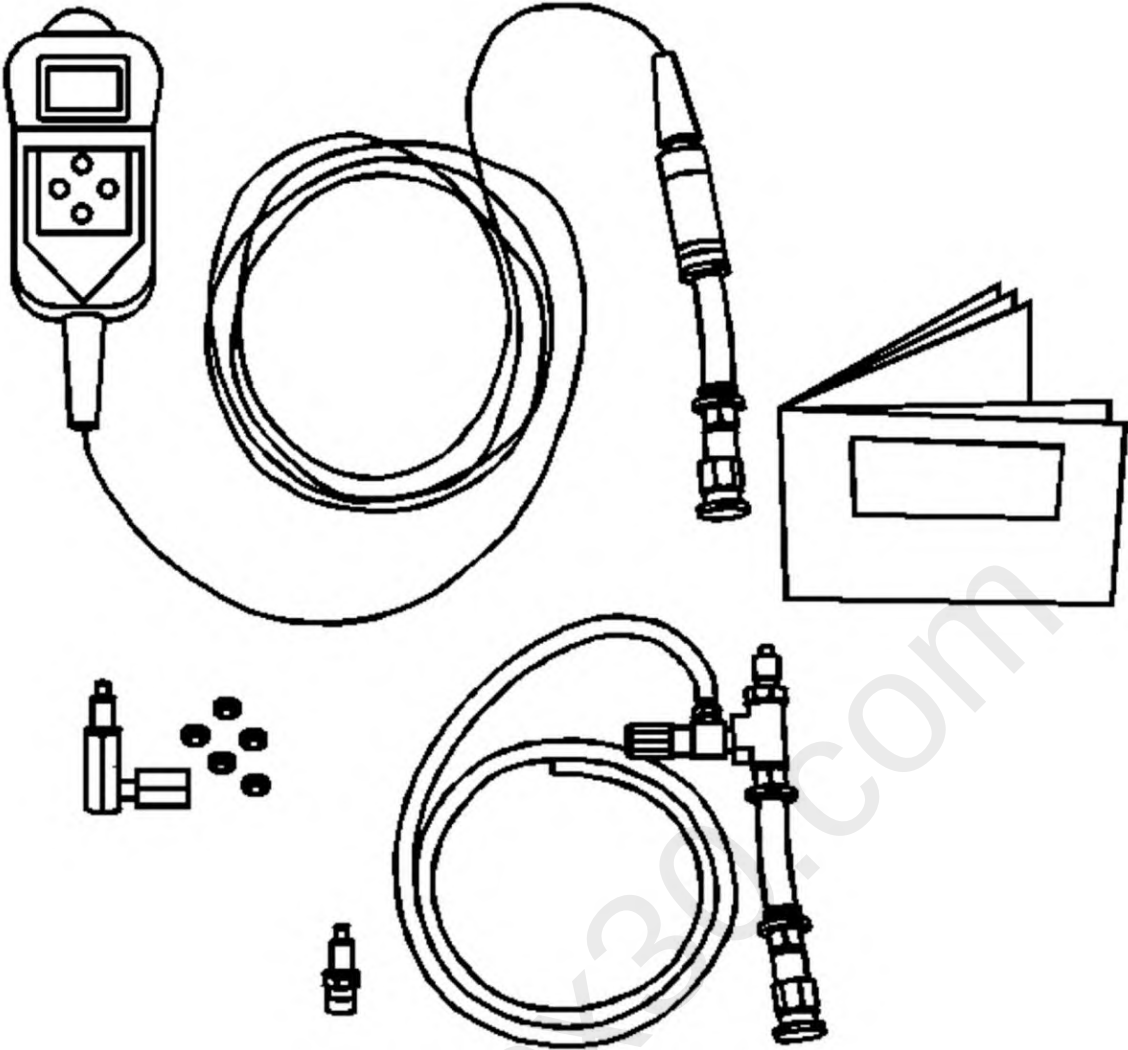
Illustration	Tool Number/Description
	CH-48027 Fuel Pressure Gauge

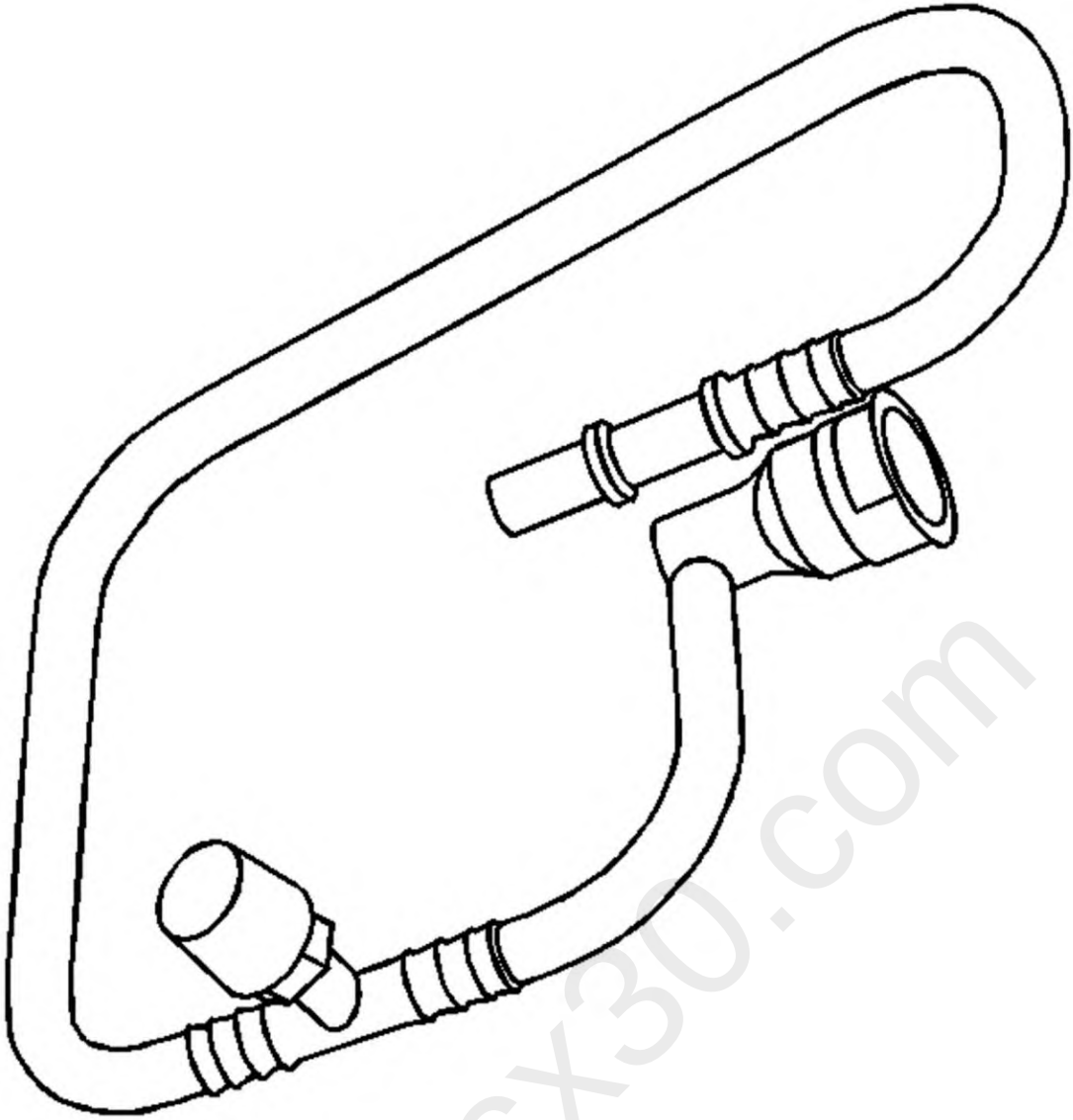
Illustration	Tool Number/Description
	CH-48096 EVAP Service Access Port Tool

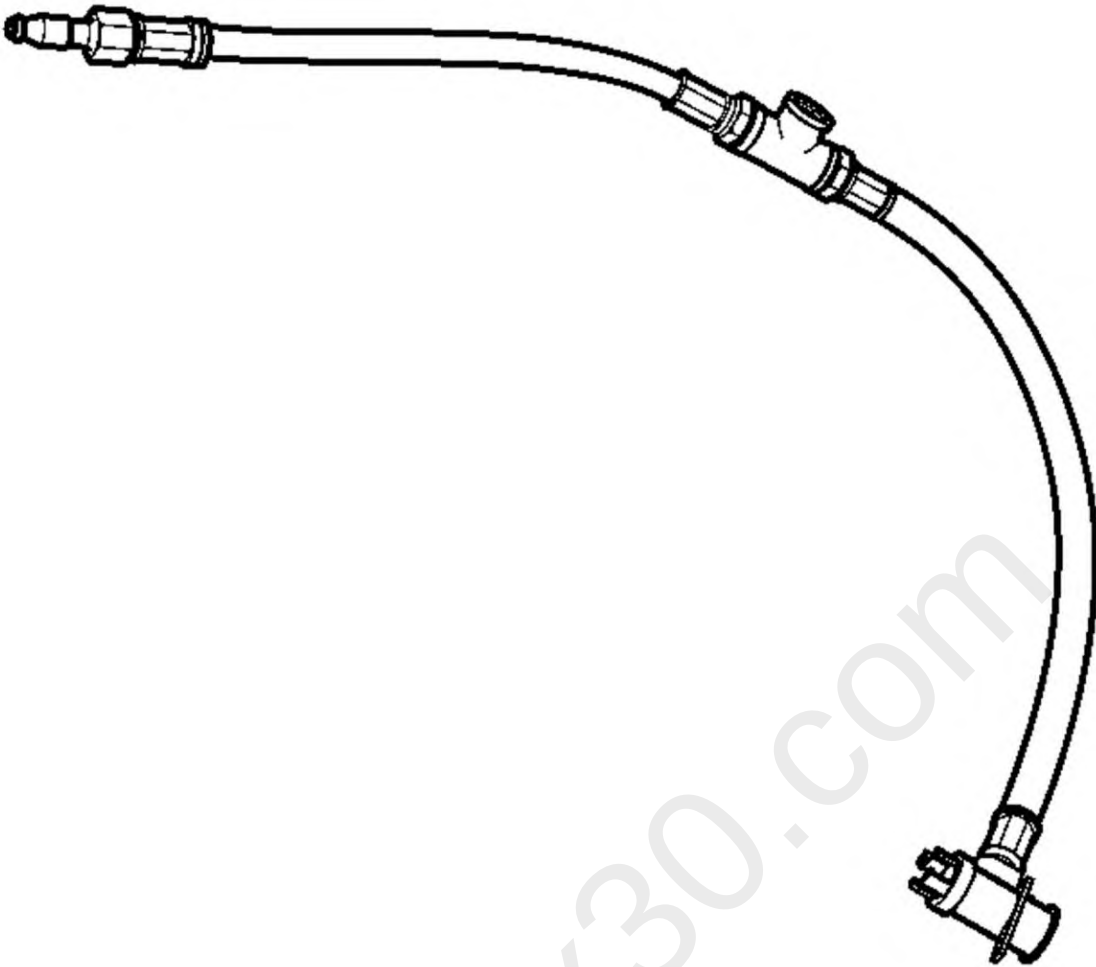
Illustration	Tool Number/Description
	CH-50375 Diesel Injector Return Line Pressure Adapter

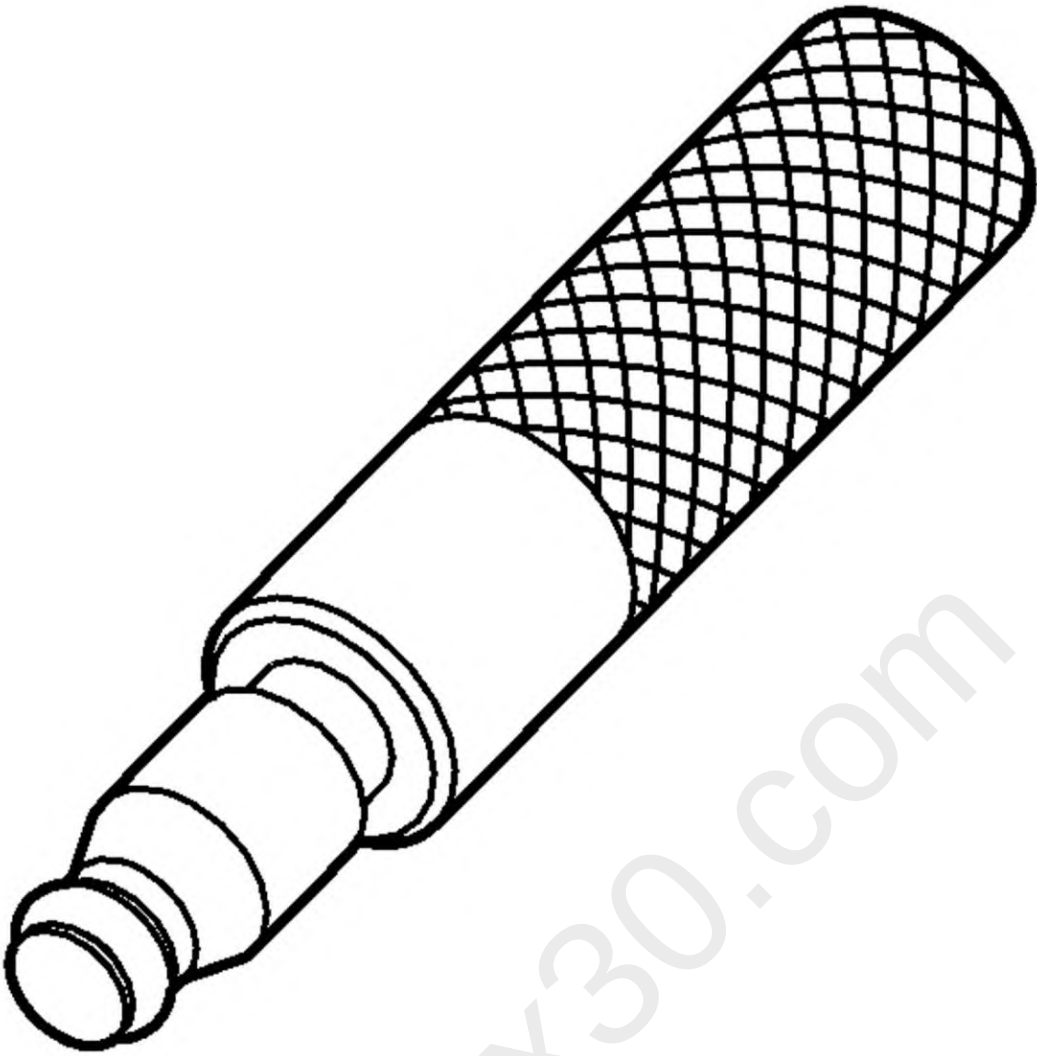
Illustration	Tool Number/Description
	CH-50377-A Injector Return Line Cap

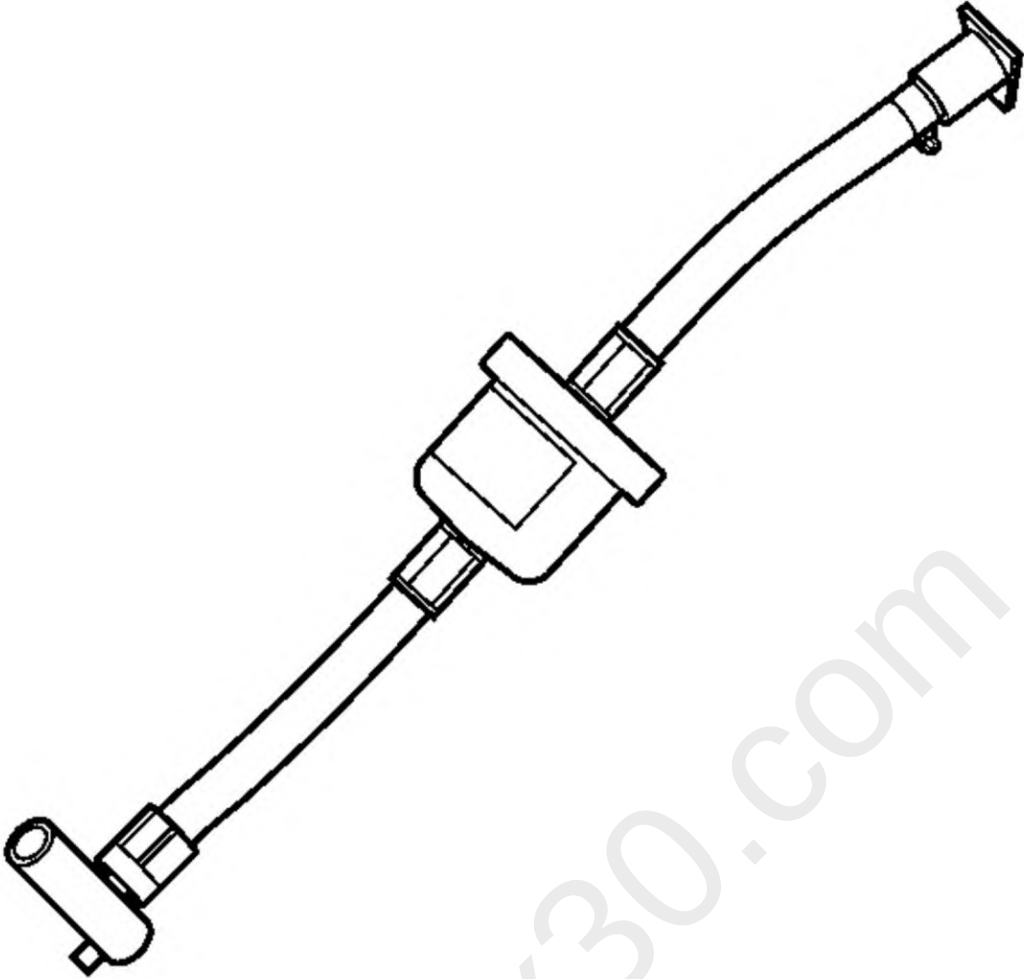
Illustration	Tool Number/Description
	CH-50378 Injector Return Leakage Test Adapter

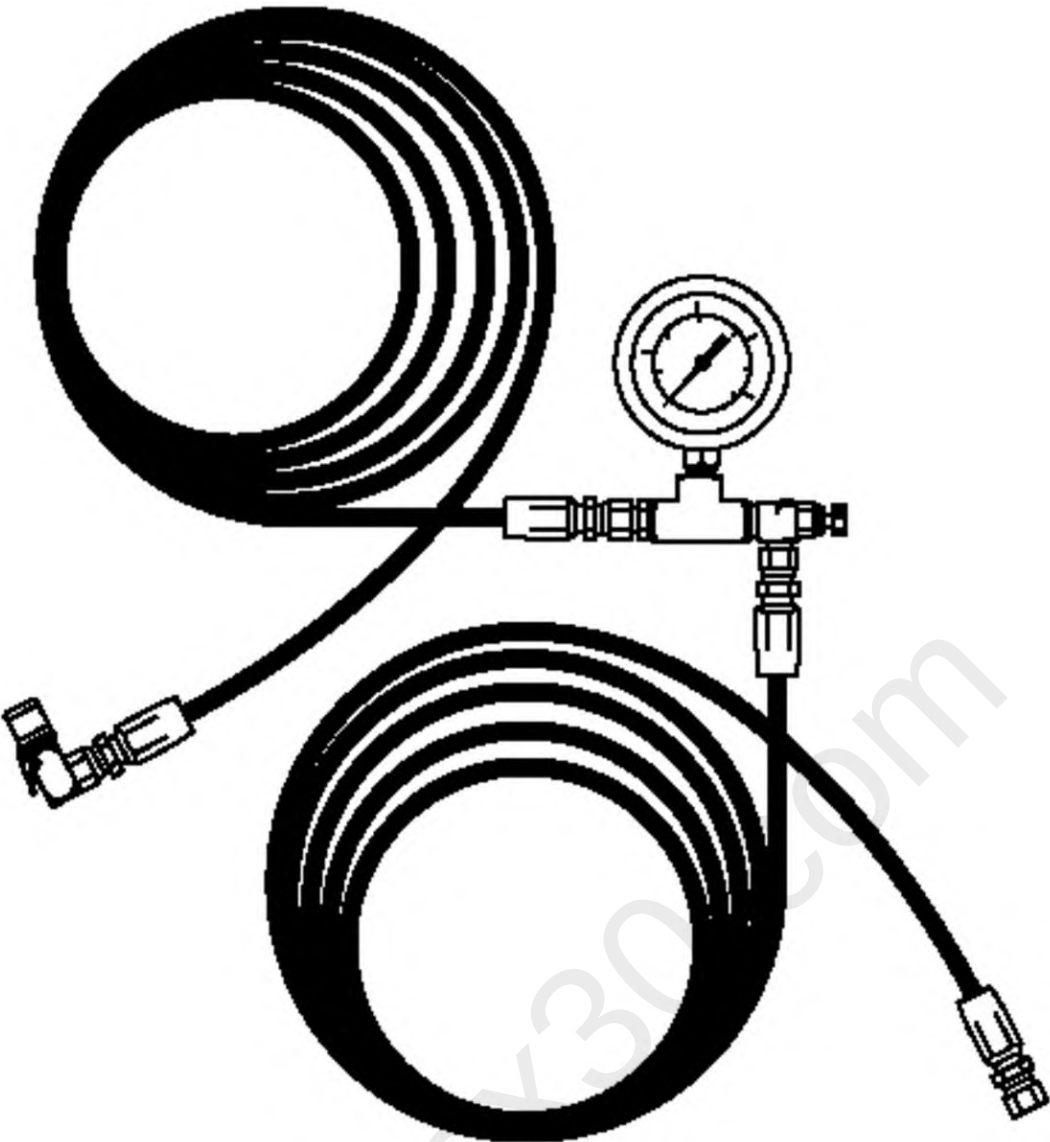
Illustration	Tool Number/Description
 The illustration shows a black and white line drawing of a liquid propane gas (LPG) gauge assembly. It consists of a central gauge with a circular face and a needle, mounted on a T-shaped manifold. Two flexible hoses are connected to the manifold. The hose on the left is coiled and has a quick-connect fitting at its end. The hose on the right is also coiled and has a quick-connect fitting at its end. A diagonal watermark reading 'mcx30.com' is visible across the lower portion of the illustration.	CH-50933 Gauge Assembly, Liquid Propane Gas (LPG)

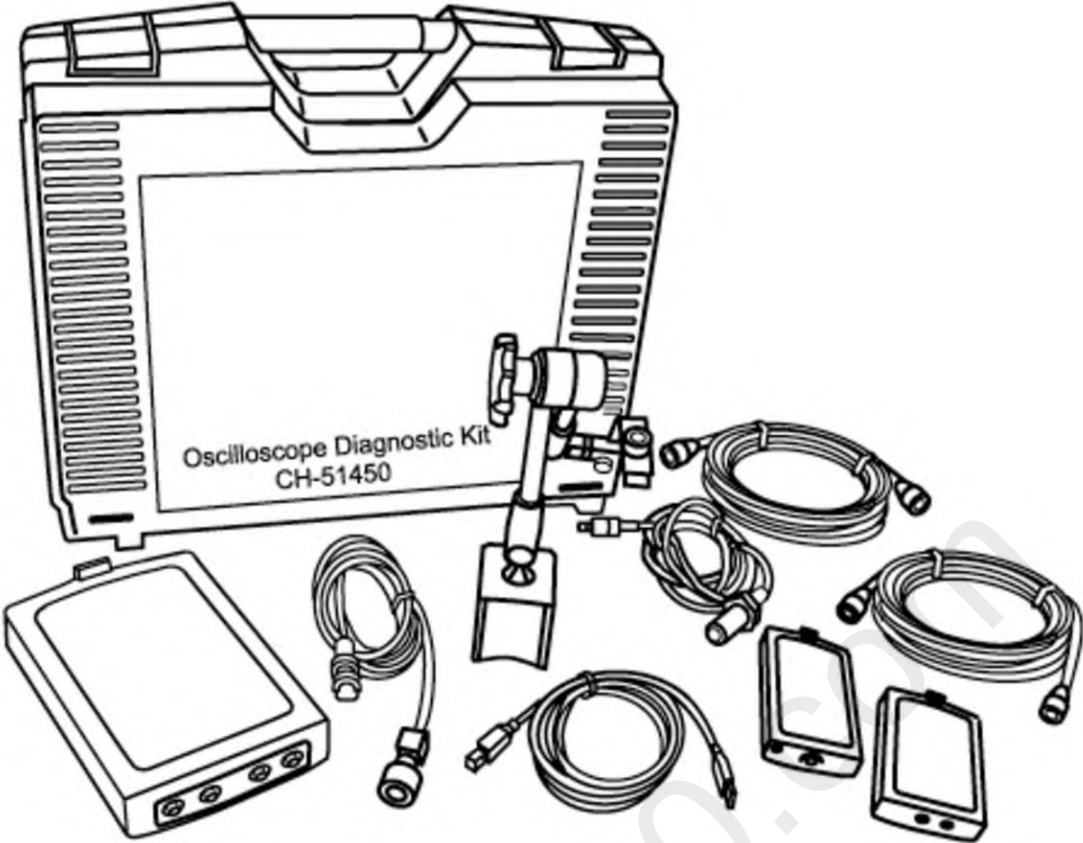
Illustration	Tool Number/Description
 The illustration shows the CH-51450 Oscilloscope Diagnostic Kit. The main component is a ruggedized oscilloscope with a large screen and a handle on top. The screen displays the text "Oscilloscope Diagnostic Kit CH-51450". Surrounding the oscilloscope are several 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 coiled cable with a fourth connector, a small rectangular device, and a small rectangular device. A large, faint watermark "mcx30-2019" is visible across the illustration.	CH-51450 - A Oscilloscope Diagnostic Kit

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

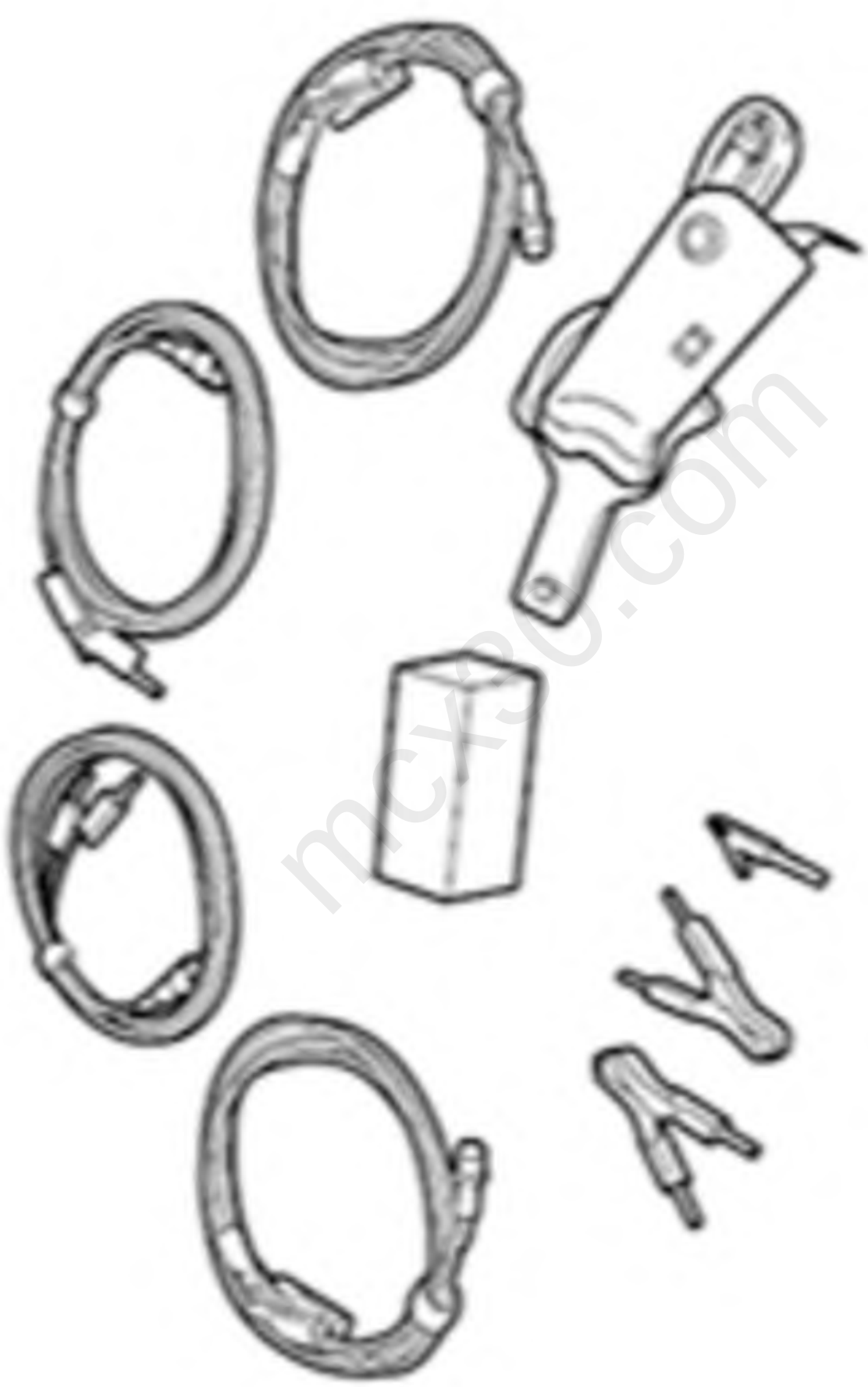
Illustration	Tool Number/Description
 The illustration shows a variety of mechanical parts. There are five oval-shaped metal bands, each with a series of small, pointed teeth or notches along one edge. A rectangular metal plate with three circular holes and a T-shaped protrusion is also shown. A small rectangular block is positioned in the center. Three small, irregular metal pieces are located at the bottom right. A large, faint watermark 'mcty.com' is visible across the center of the illustration.	

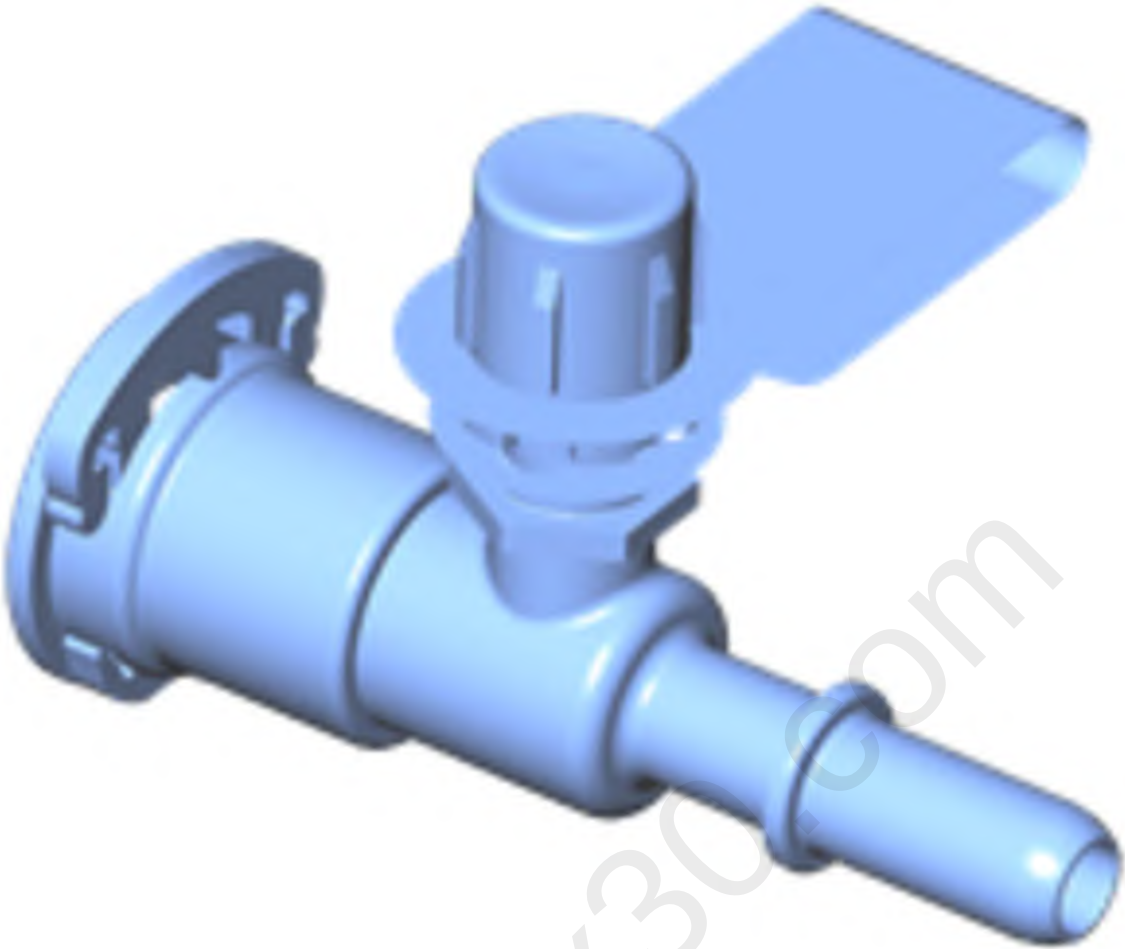
Illustration	Tool Number/Description
	CH-52519 EVAP Service Access Port Tool

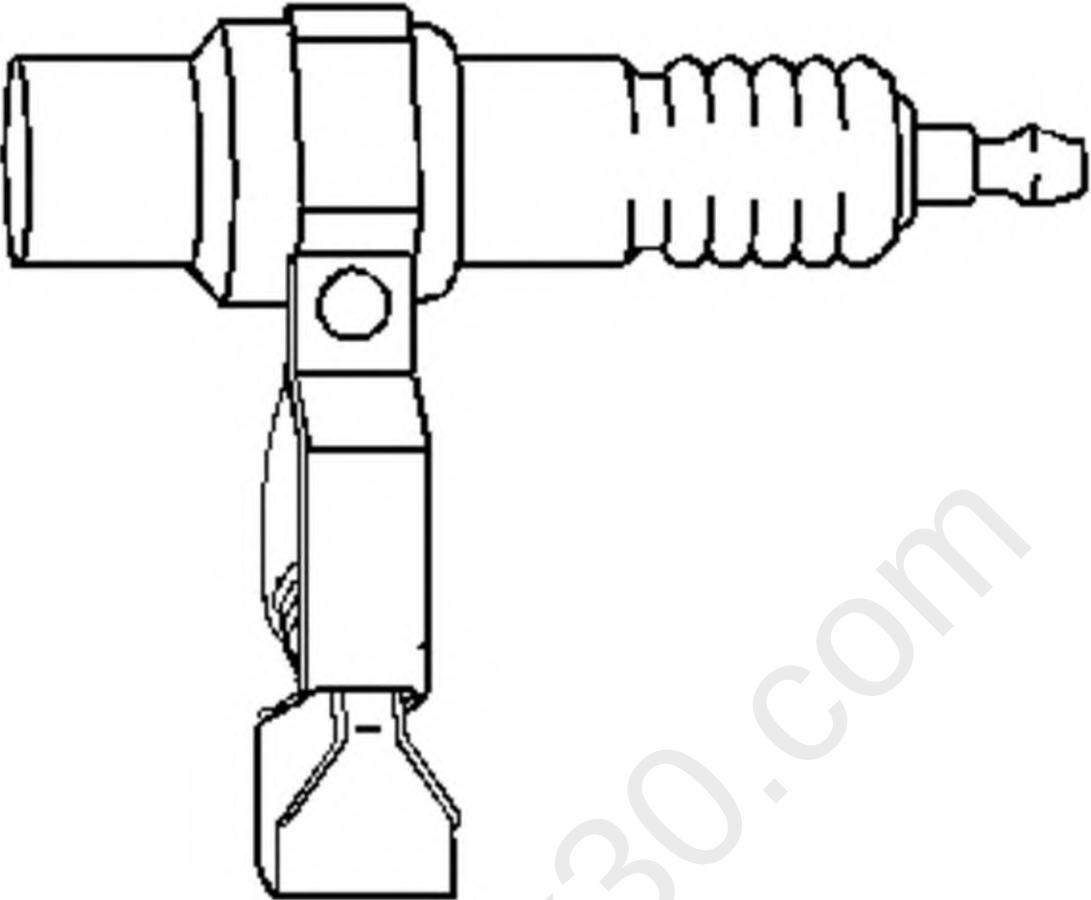
Illustration	Tool Number/Description
 A line drawing of an HEI Spark Tester. The tool consists of a cylindrical body with a threaded section in the middle. A terminal is attached to the side of the body, and a small, pointed probe is at the end of the threaded section. The drawing is oriented horizontally.	EL-26792 J-26792 HEI Spark Tester

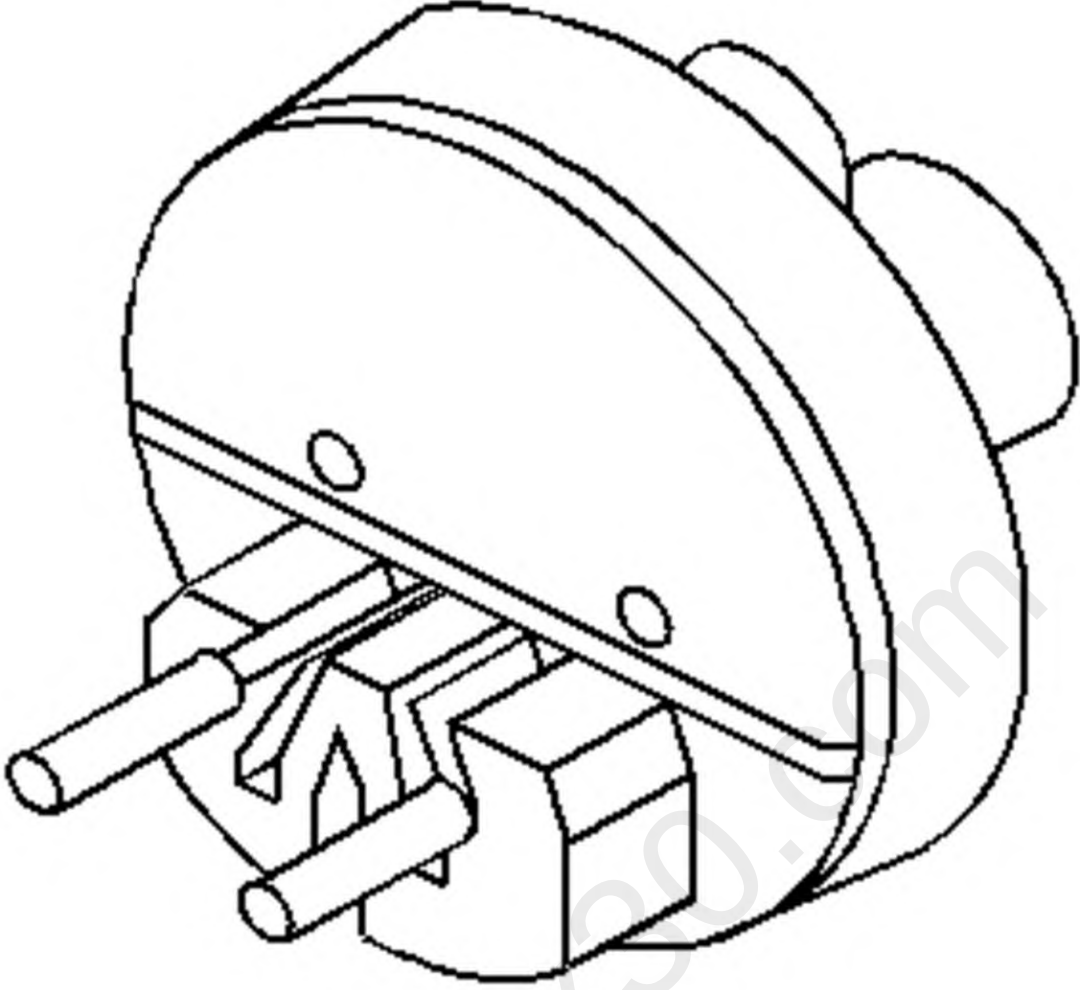
Illustration	Tool Number/Description
	EL-34730-405 J-34730-405 Injector Test Lamp

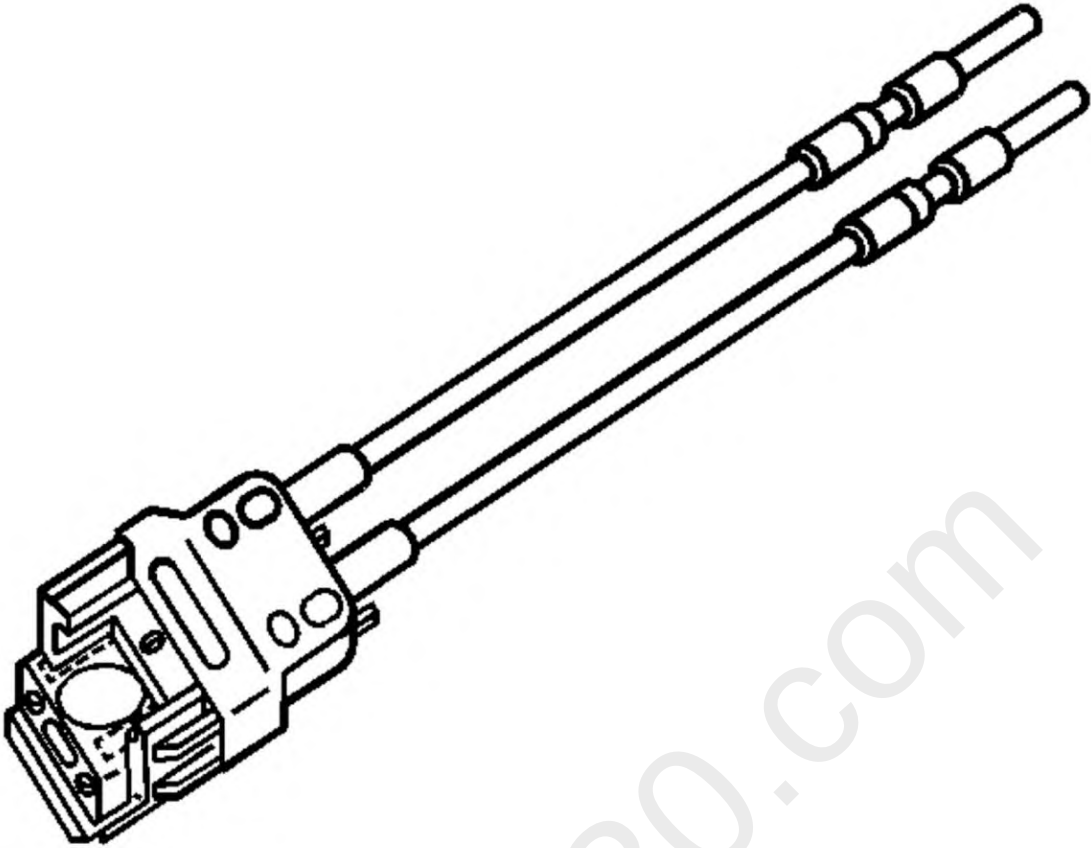
Illustration	Tool Number/Description
	EL-36169-HD Heavy Duty Fused Jumper

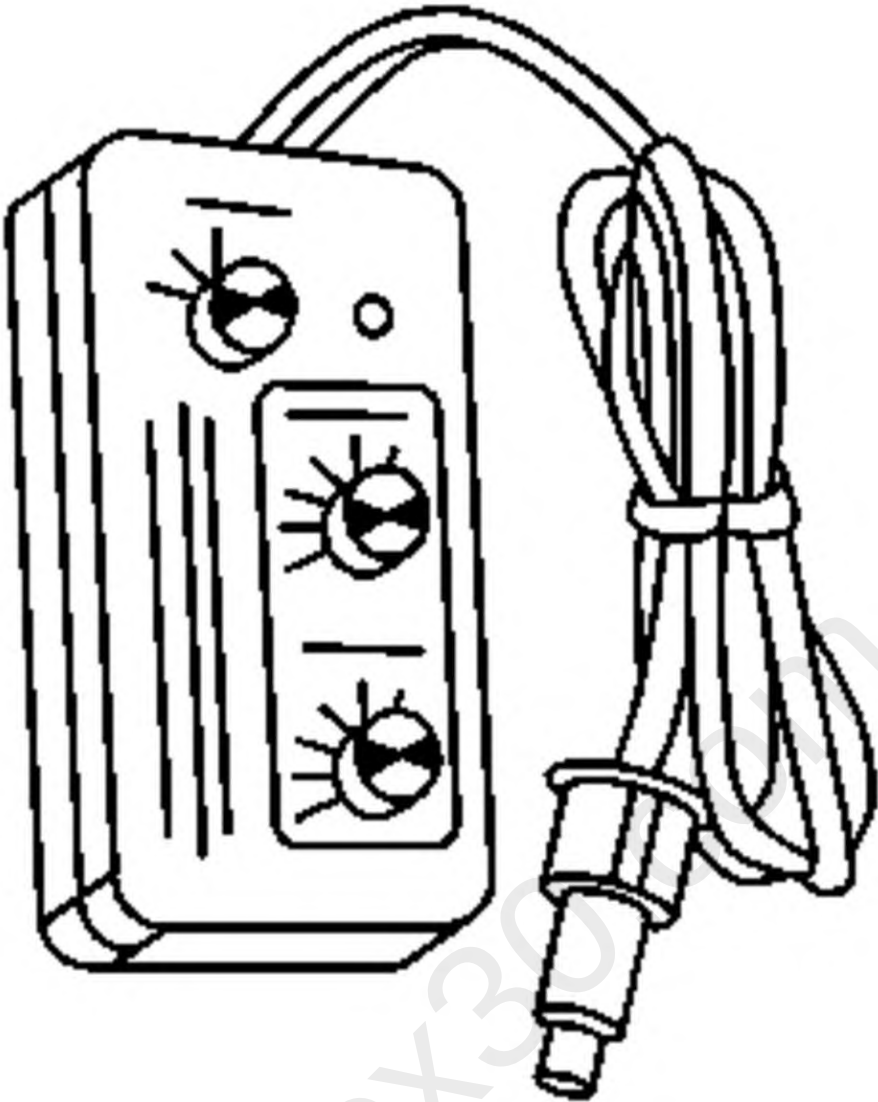
Illustration	Tool Number/Description
	EL-38522-A J-38522-A Variable Signal Generator

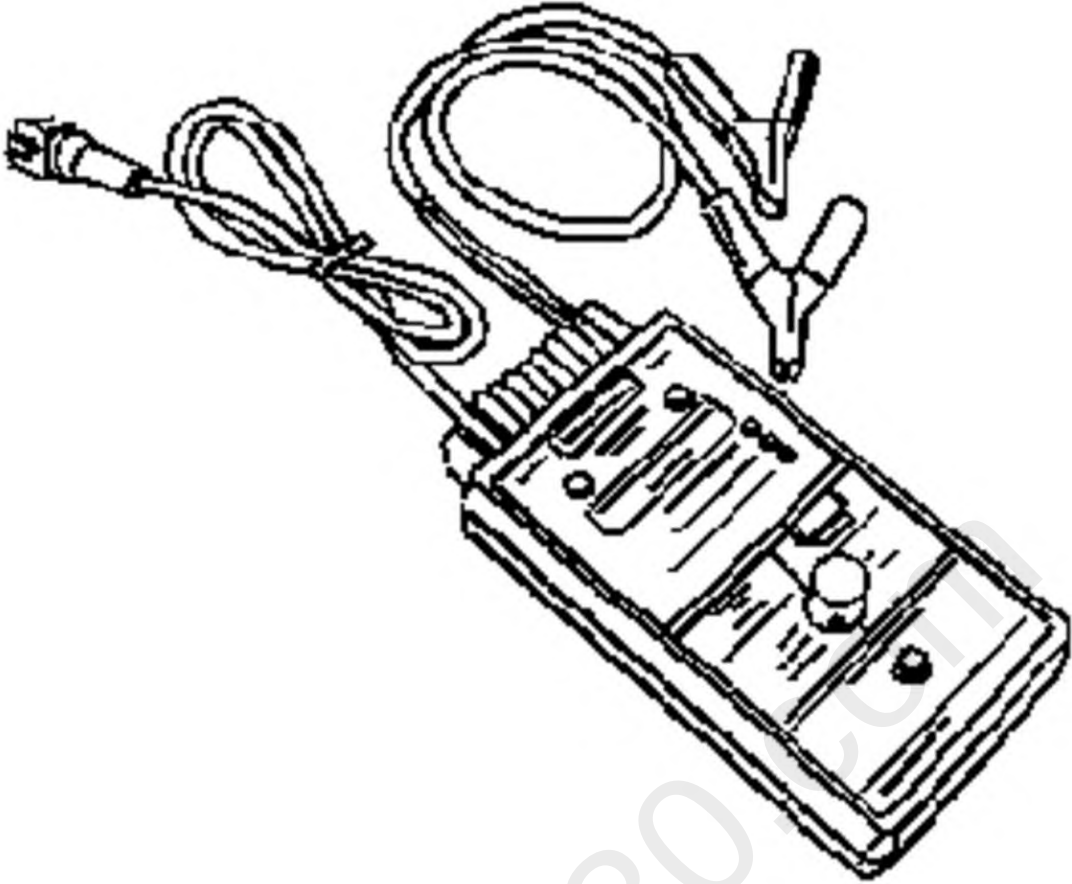
Illustration	Tool Number/Description
	EL-39021 J-39021 Fuel Injector Coil Balance Tester

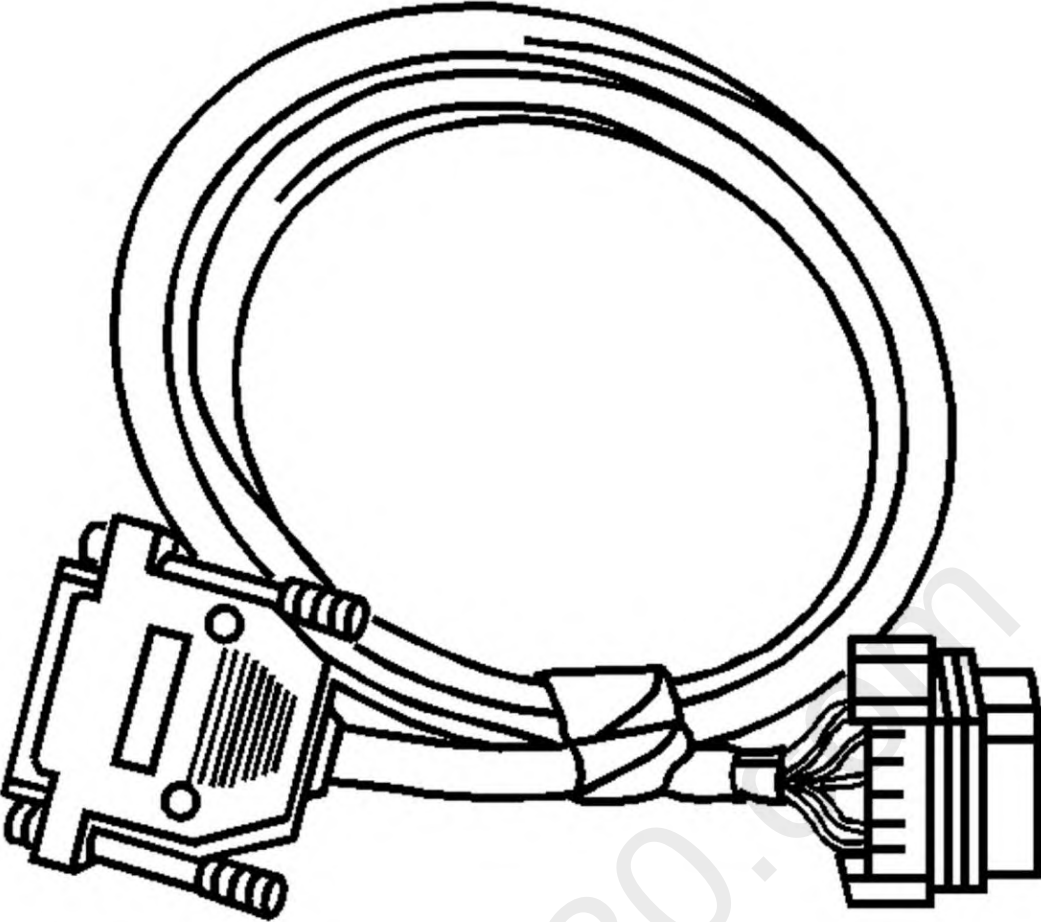
Illustration	Tool Number/Description
	EL-39021-460 J-39021-460 Fuel Injector Test Adapter

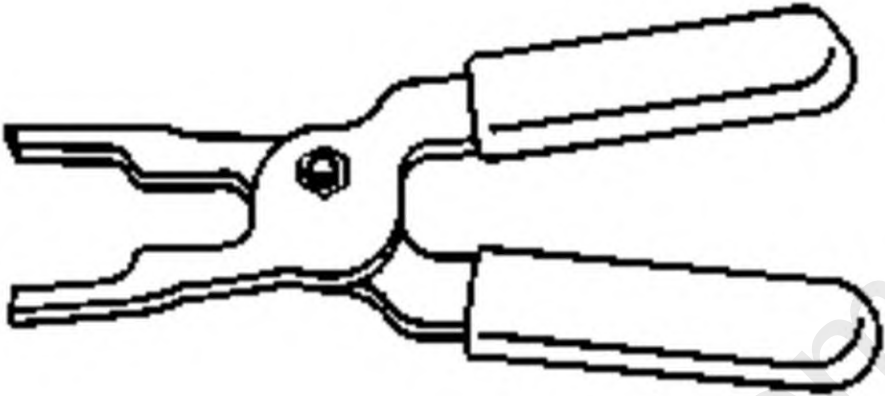
Illustration	Tool Number/Description
	EL-43244 J-43244 Relay Puller Pliers

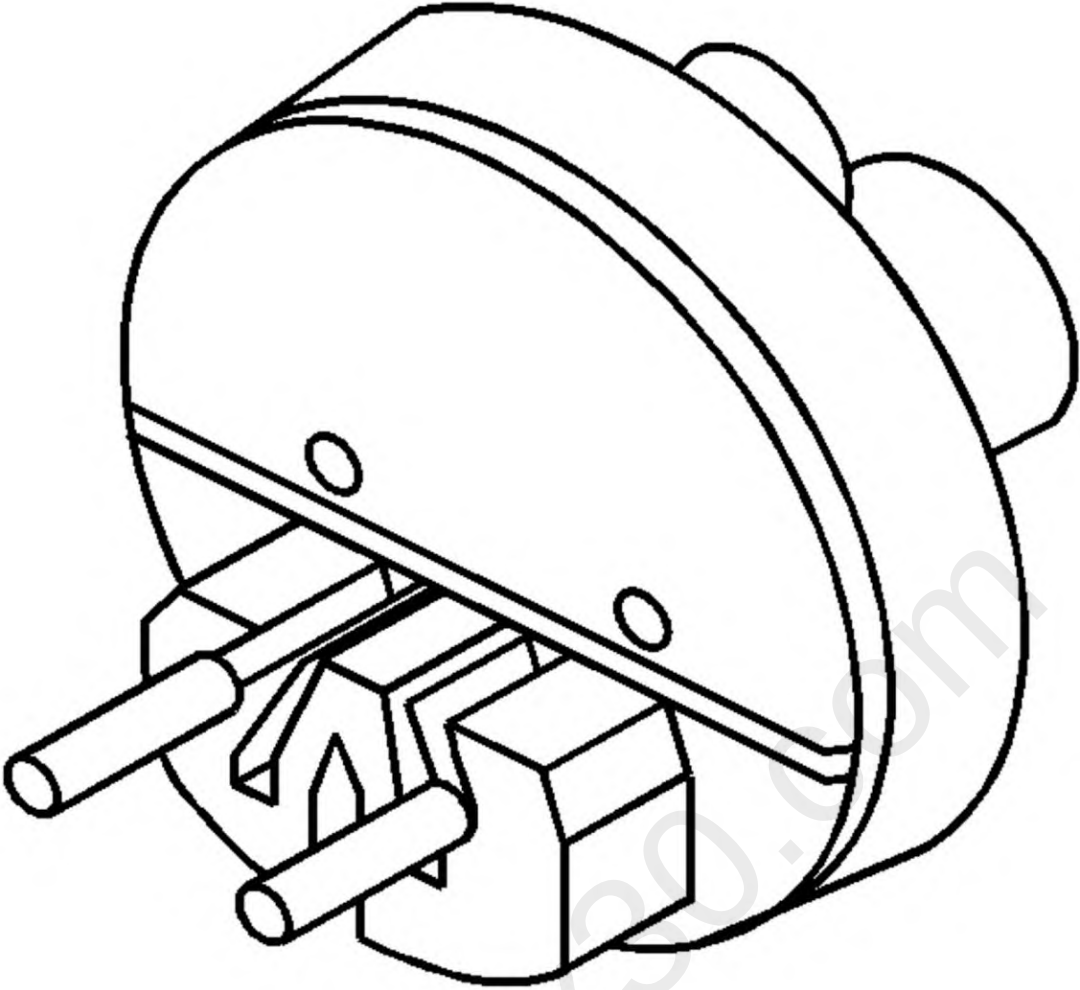
Illustration	Tool Number/Description
	EL-44603 J-44603 Injector Test Lamp

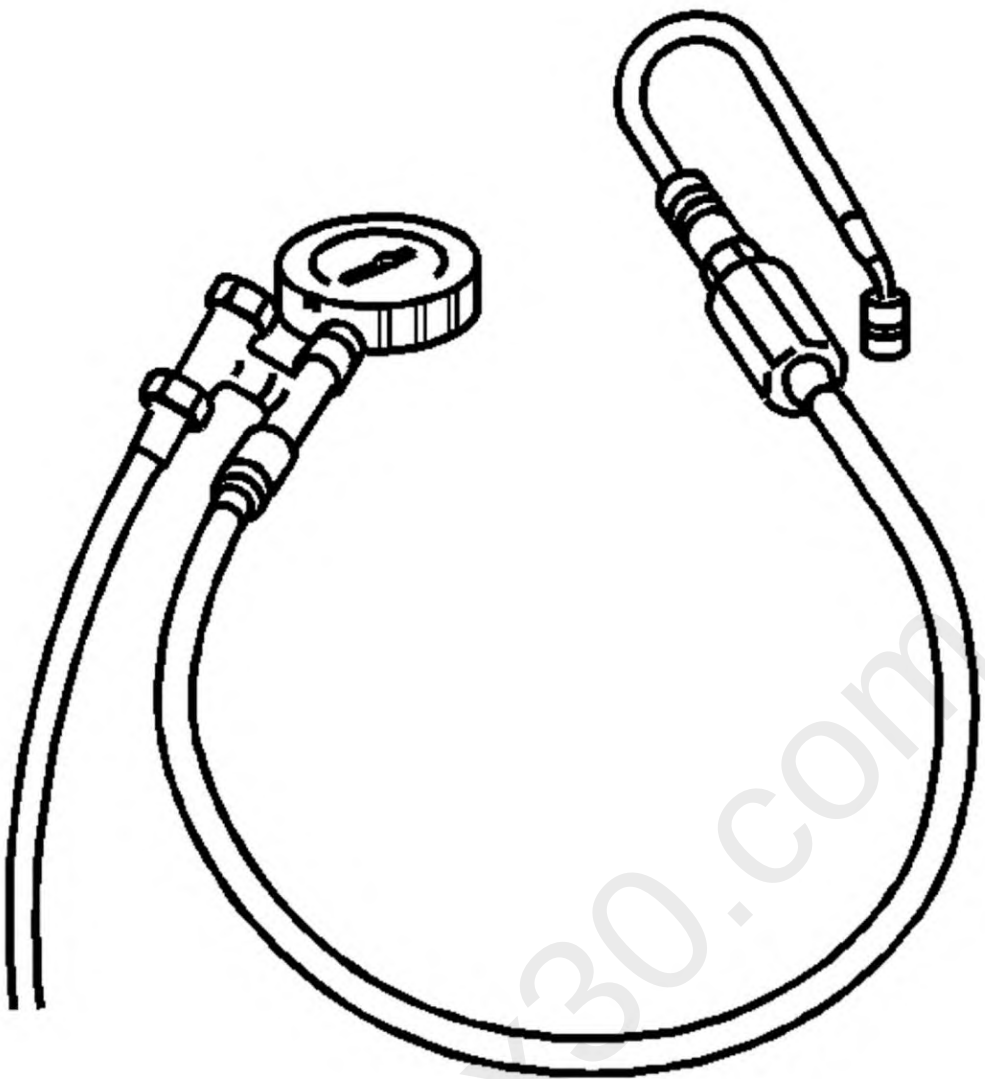
Illustration	Tool Number/Description
	EN-34730-91 J-34730-91 KM-J-34730-91 Pressure Tester

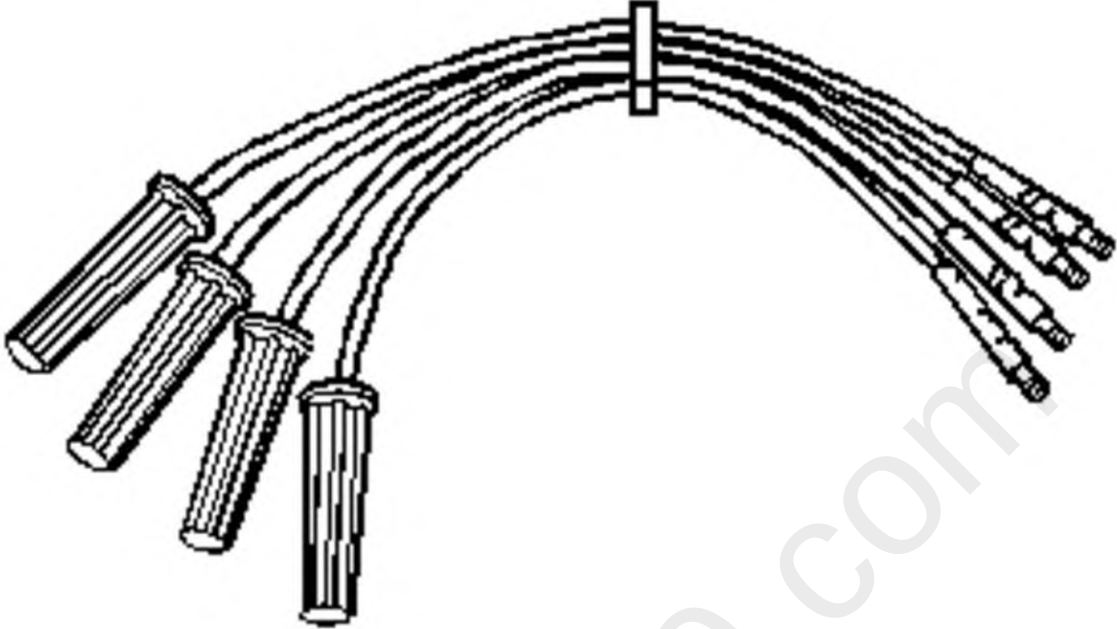
Illustration	Tool Number/Description
	EN-36012-A J-36012-A Ignition System Diagnosis Harness

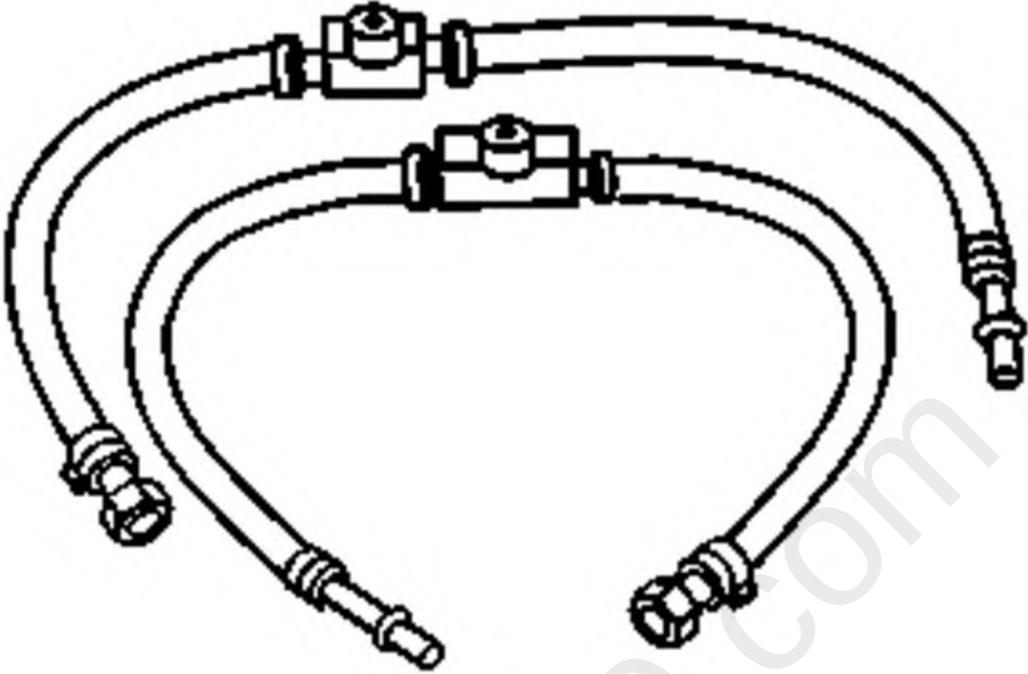
Illustration	Tool Number/Description
 The illustration shows two identical fuel line shut-off adapters. Each adapter consists of a curved metal body with a central shut-off valve. The valve has a small handle on top. At each end of the curved body, there is a threaded connection point for a fuel line. The adapters are shown in a slightly overlapping manner, with one positioned slightly behind the other. A large, faint watermark 'mcx30.com' is visible across the lower half of the illustration area.	EN-37287 J-37287 Fuel Line Shut-off Adapters

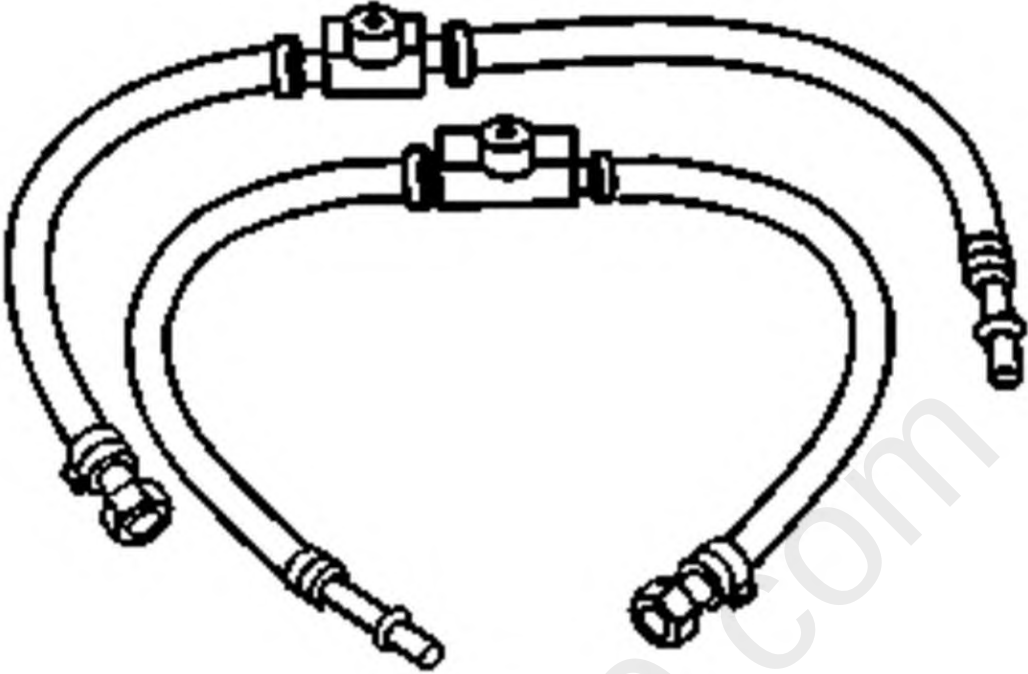
Illustration	Tool Number/Description
	EN-37287 - FF Fuel Line Shut-off Adapters

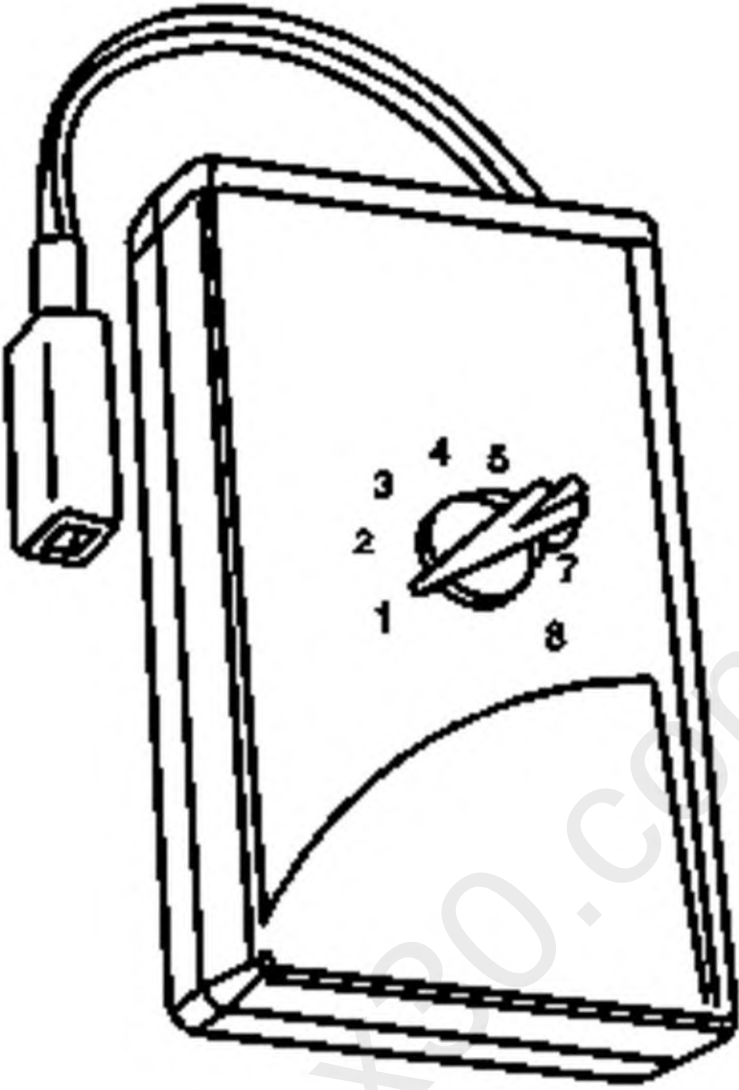
Illustration	Tool Number/Description
	EN-39021-210 J-39021-210 Injector Tester Adapter Box

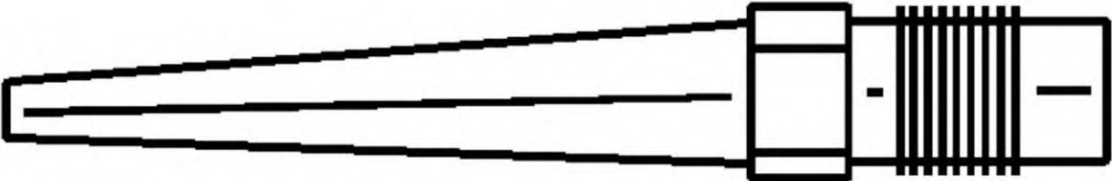
Illustration	Tool Number/Description
 The illustration shows a tapered tool, likely a plug or probe. It has a long, thin, tapered body that widens into a hexagonal base. The base features a threaded section with several vertical lines representing threads. A small horizontal line is visible on the side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

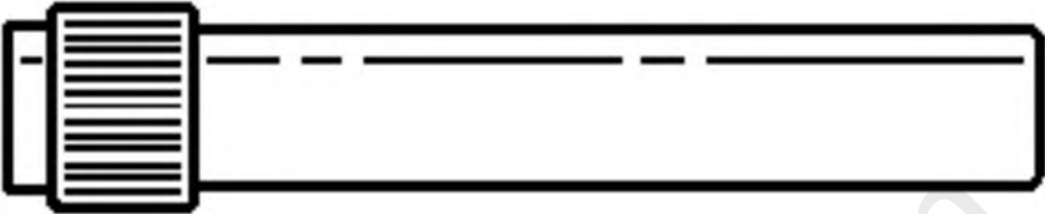
Illustration	Tool Number/Description
	EN-41413-VLV J-41413-VLV EVAP Service Port Vent Fitting

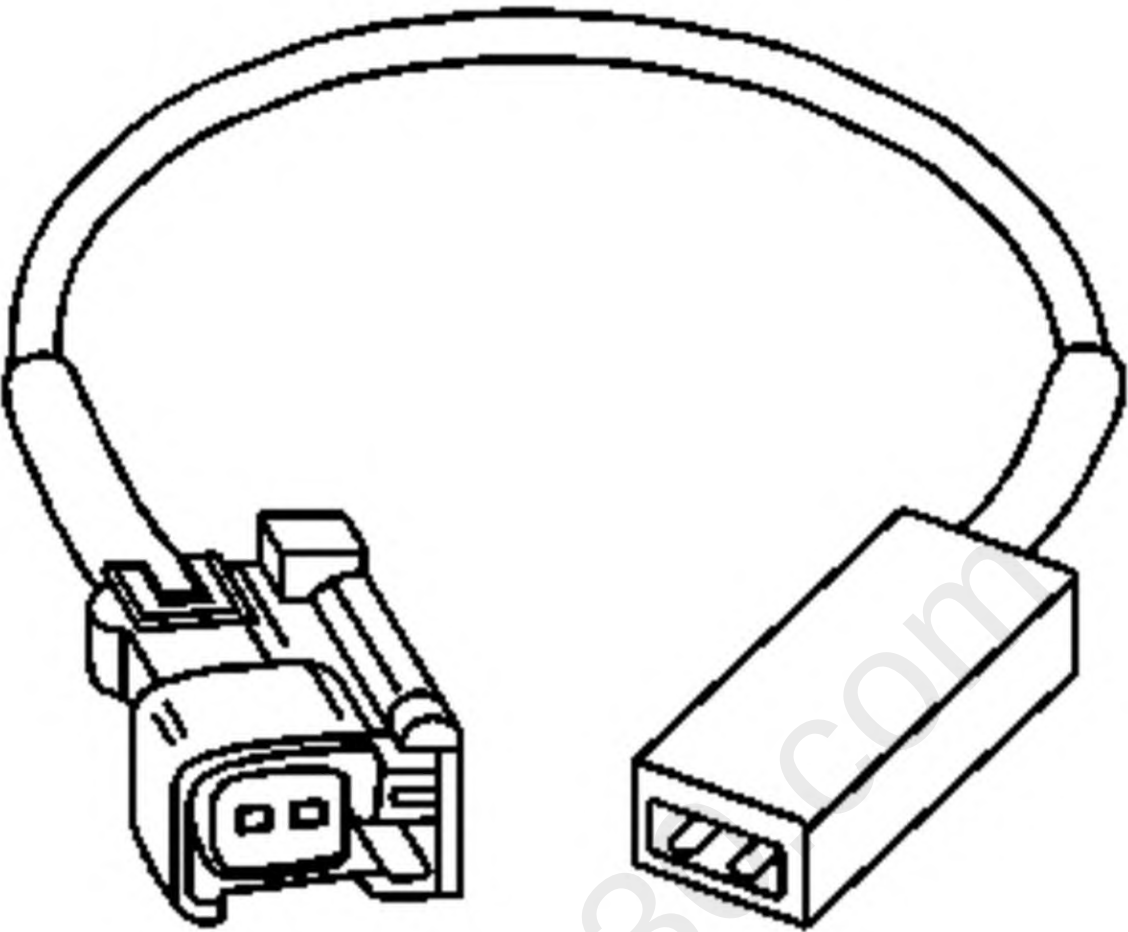
Illustration	Tool Number/Description
 The illustration shows a cable with a multi-pin connector on the left and a rectangular adapter block on the right. The cable is coiled into a loop. The multi-pin connector has several pins of varying lengths. The rectangular adapter block has a slot on its front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

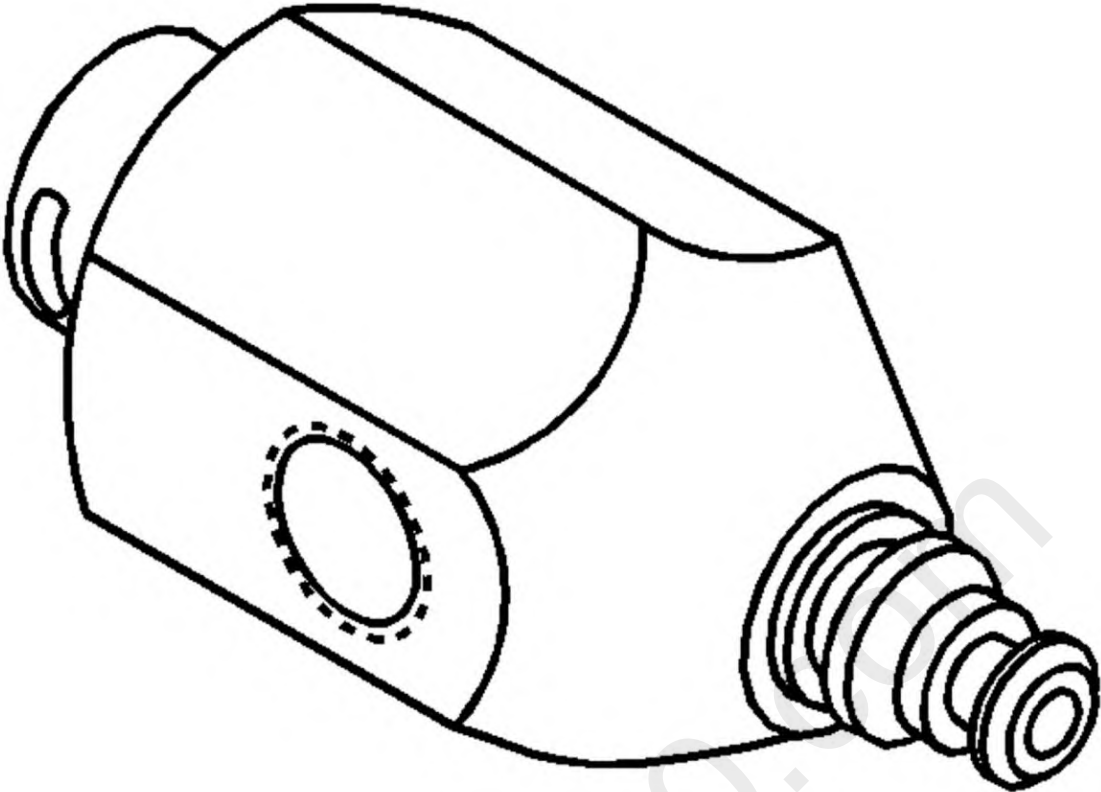
Illustration	Tool Number/Description
	EN-45873-30 J-45873-30 Injector Flow Test Adapter

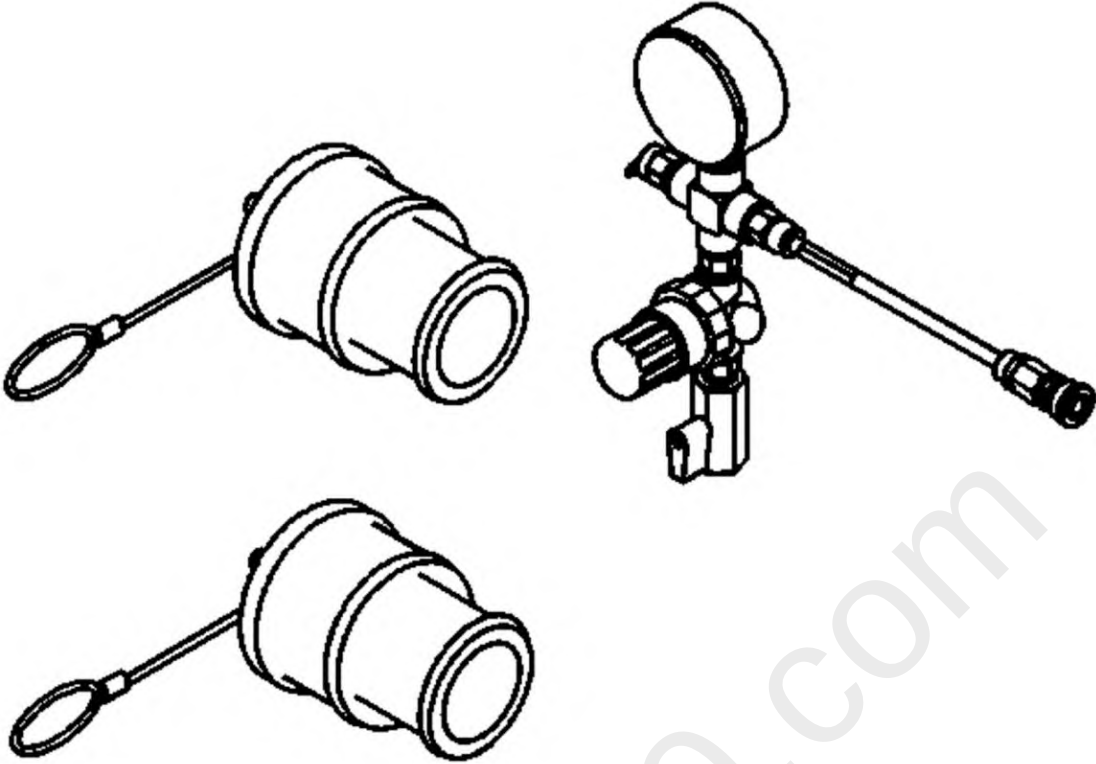
Illustration	Tool Number/Description
 EN-46091 J-46091 Charge Air Cooler Tester	

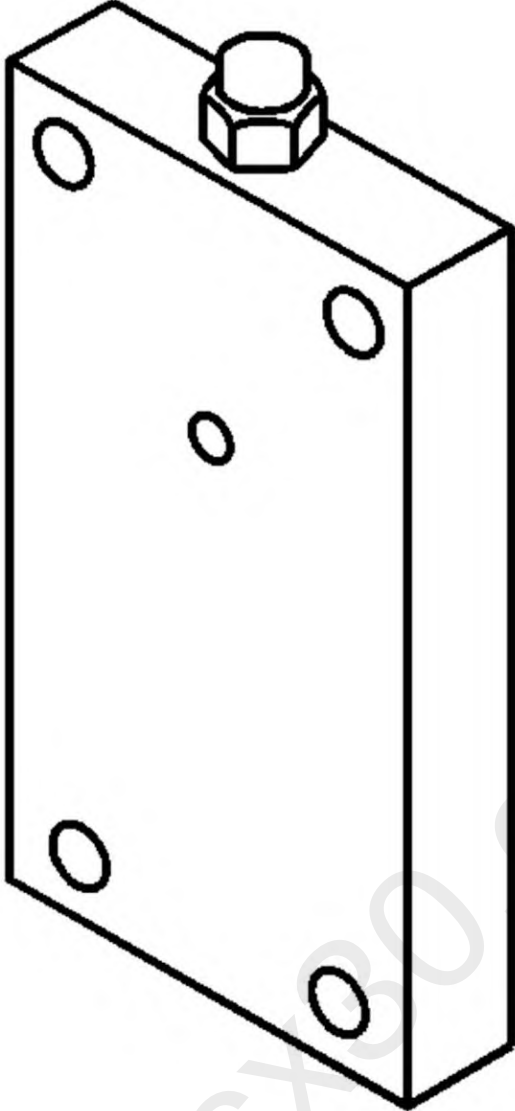
Illustration	Tool Number/Description
 A 3D line drawing of a rectangular metal plate. On the top edge, there is a hex nut. The front face of the plate has six circular holes: two on the left edge, two on the right edge, and two in the center. A large, light gray watermark 'mcx30.com' is visible diagonally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

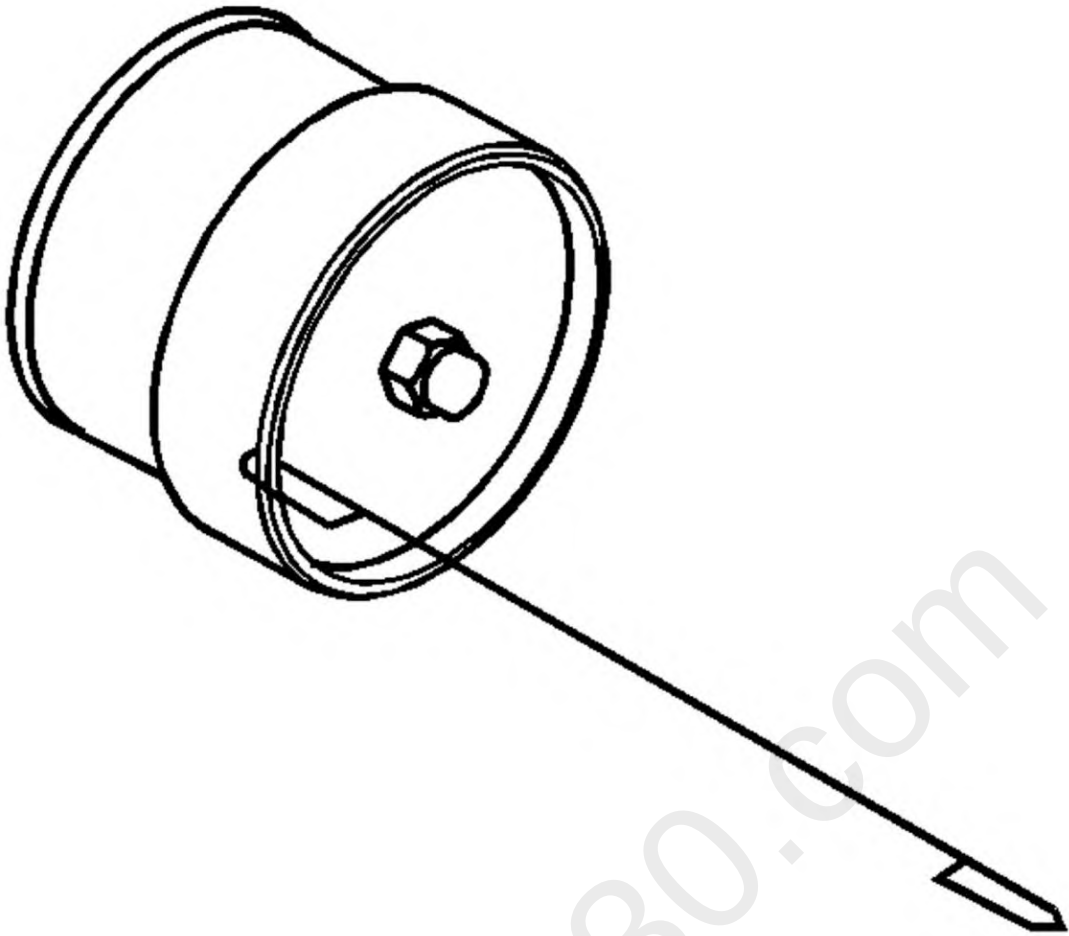
Illustration	Tool Number/Description
	EN-46091-10A Diesel Engine Pressure Test Adapter

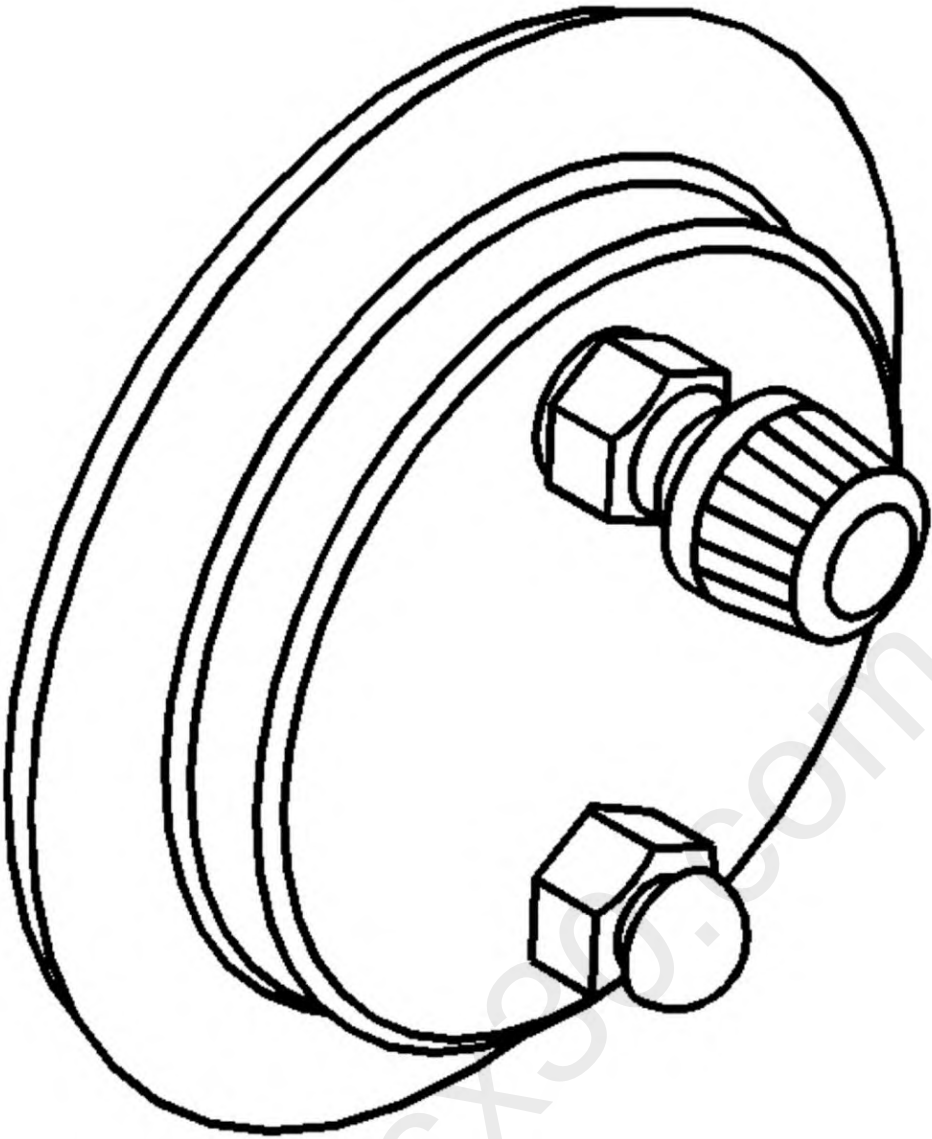
Illustration	Tool Number/Description
	EN-46091-15 J-46091-15 Engine Pressure Test Adapter

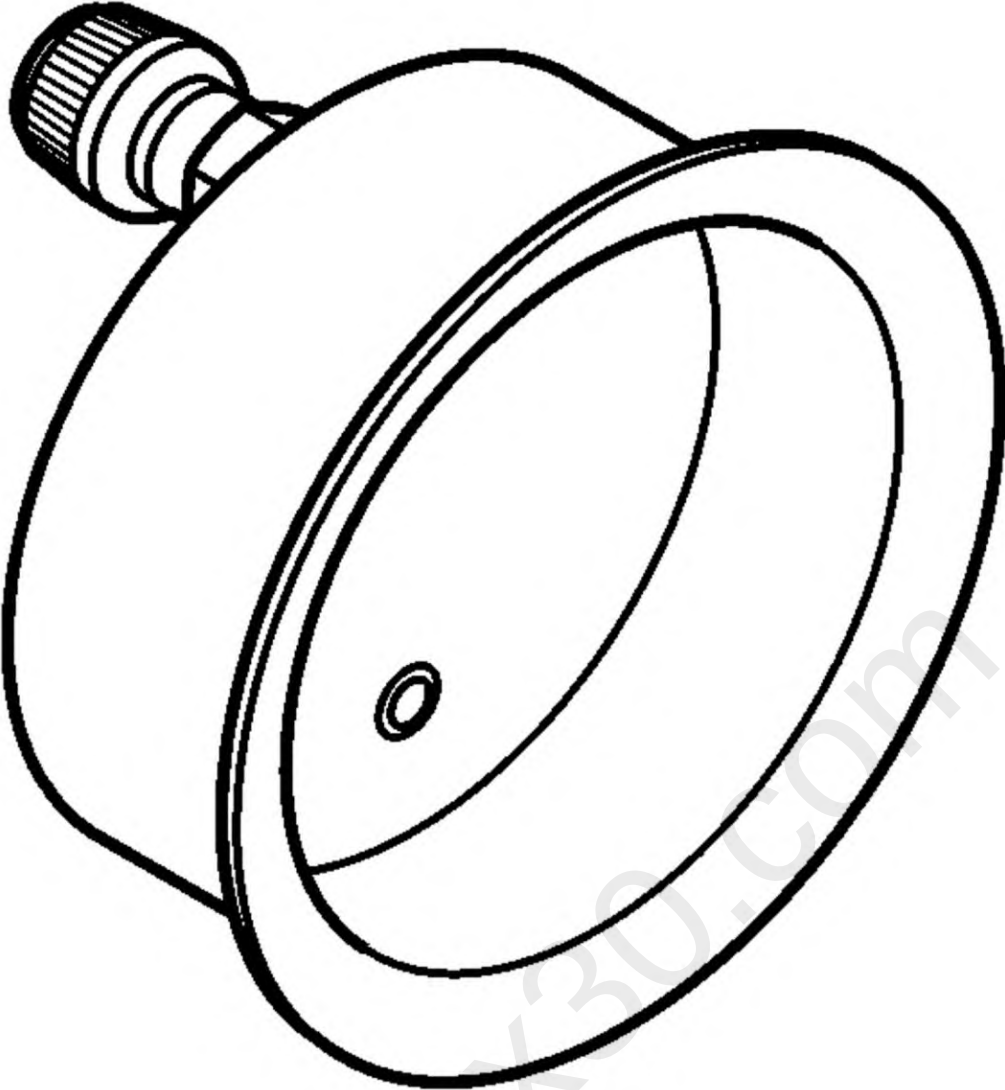
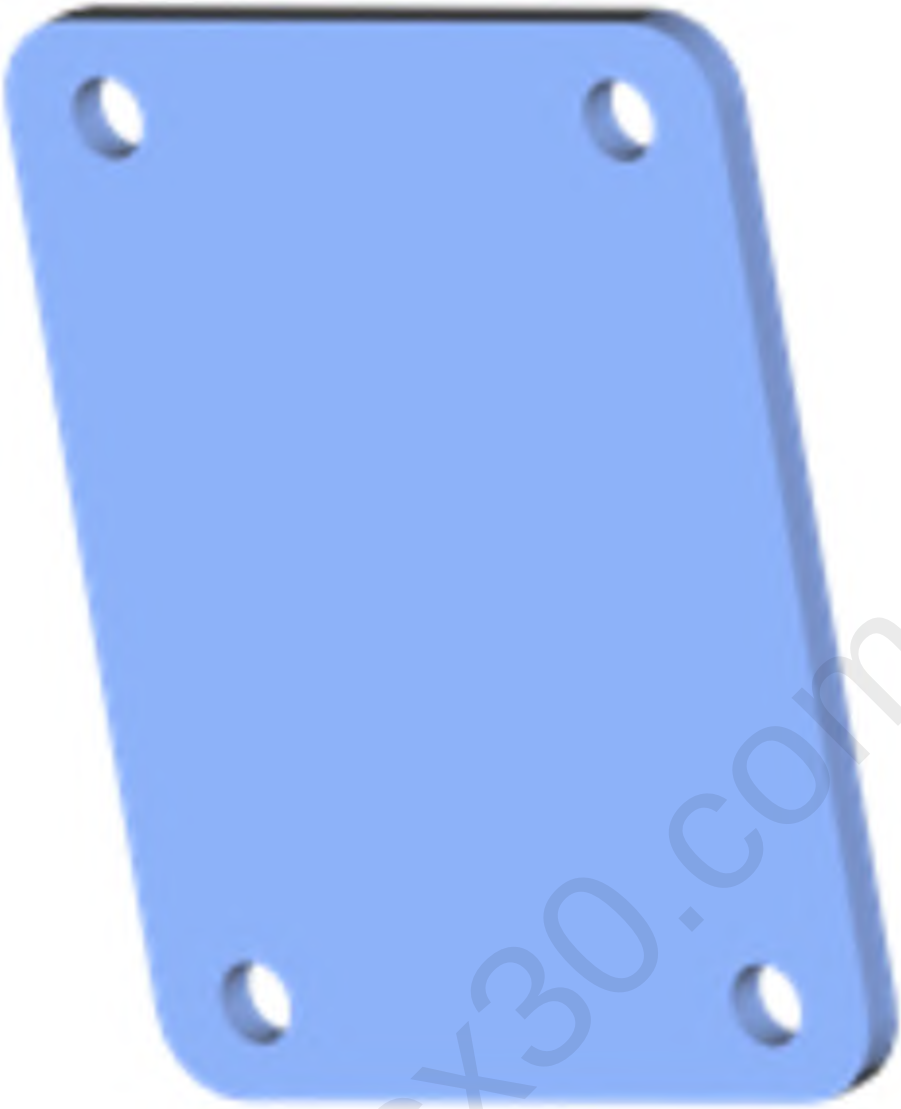
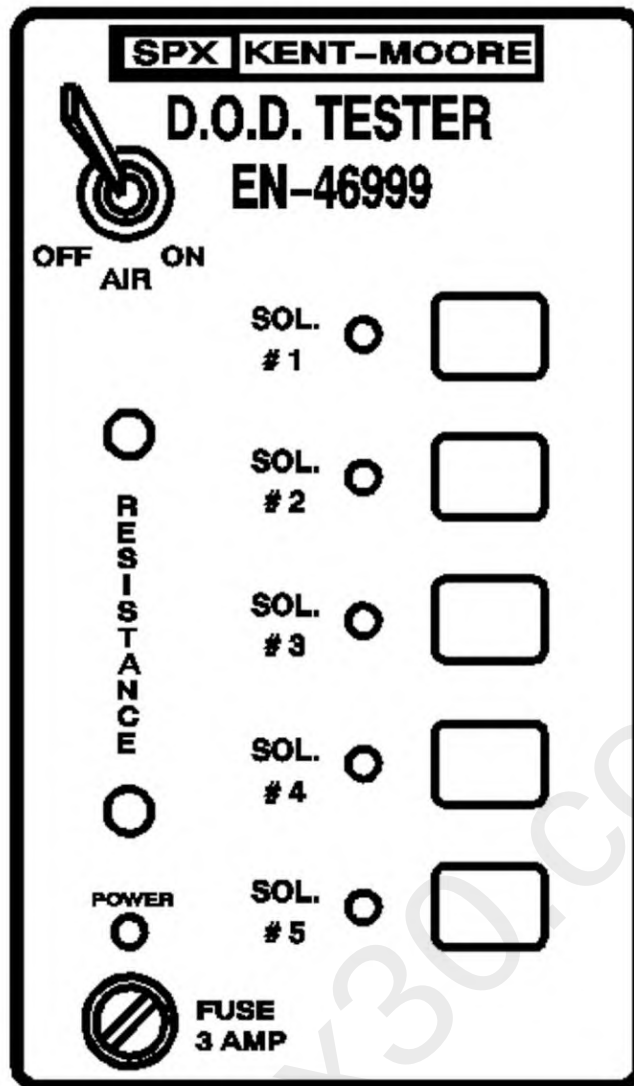
Illustration	Tool Number/Description
	EN-46091-15A J-46091-15A Diesel Engine Pressure Test Adapter

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

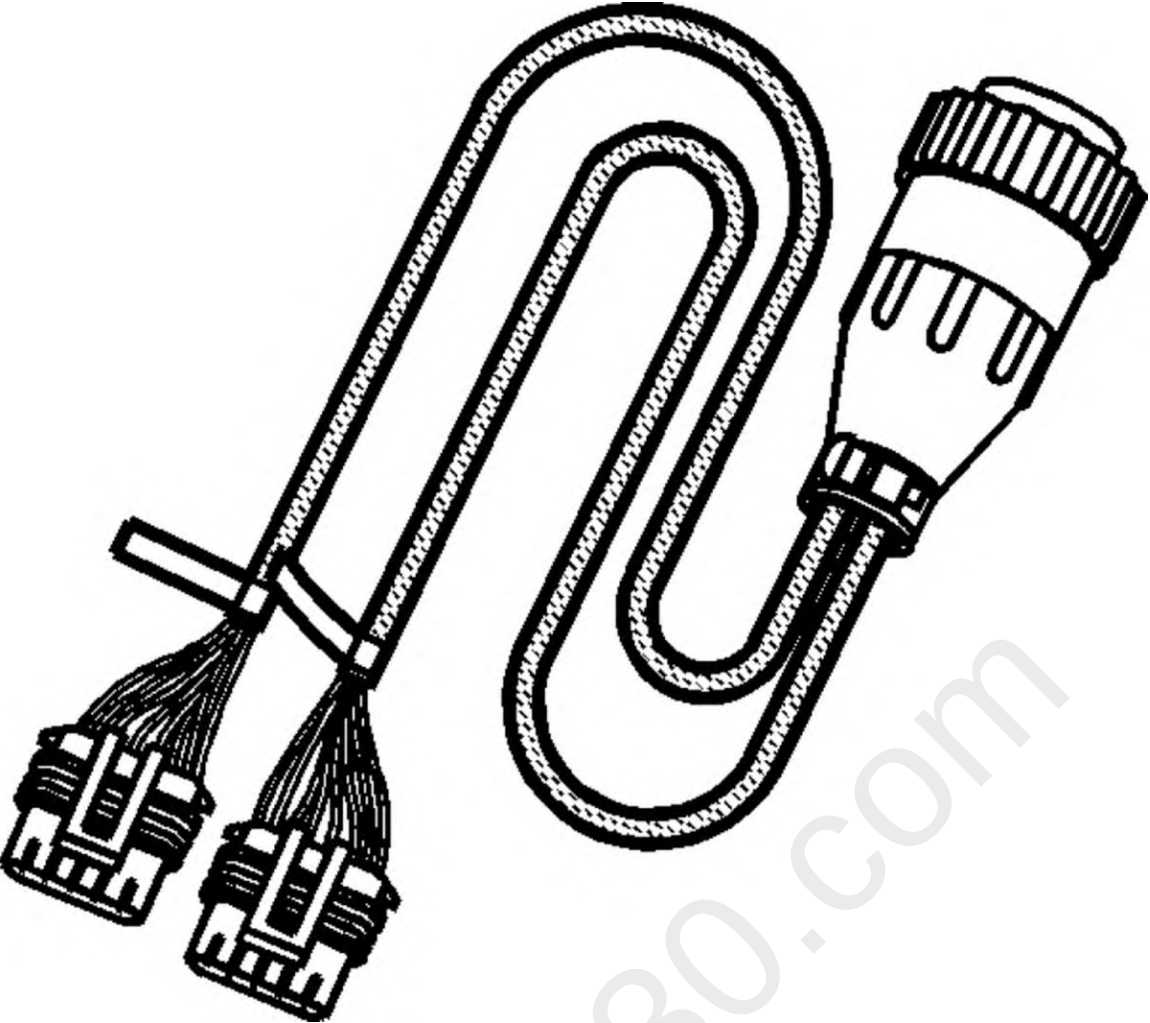
Illustration	Tool Number/Description
	EN-46999 - 15 Active Fuel Management Tester Harness - V6

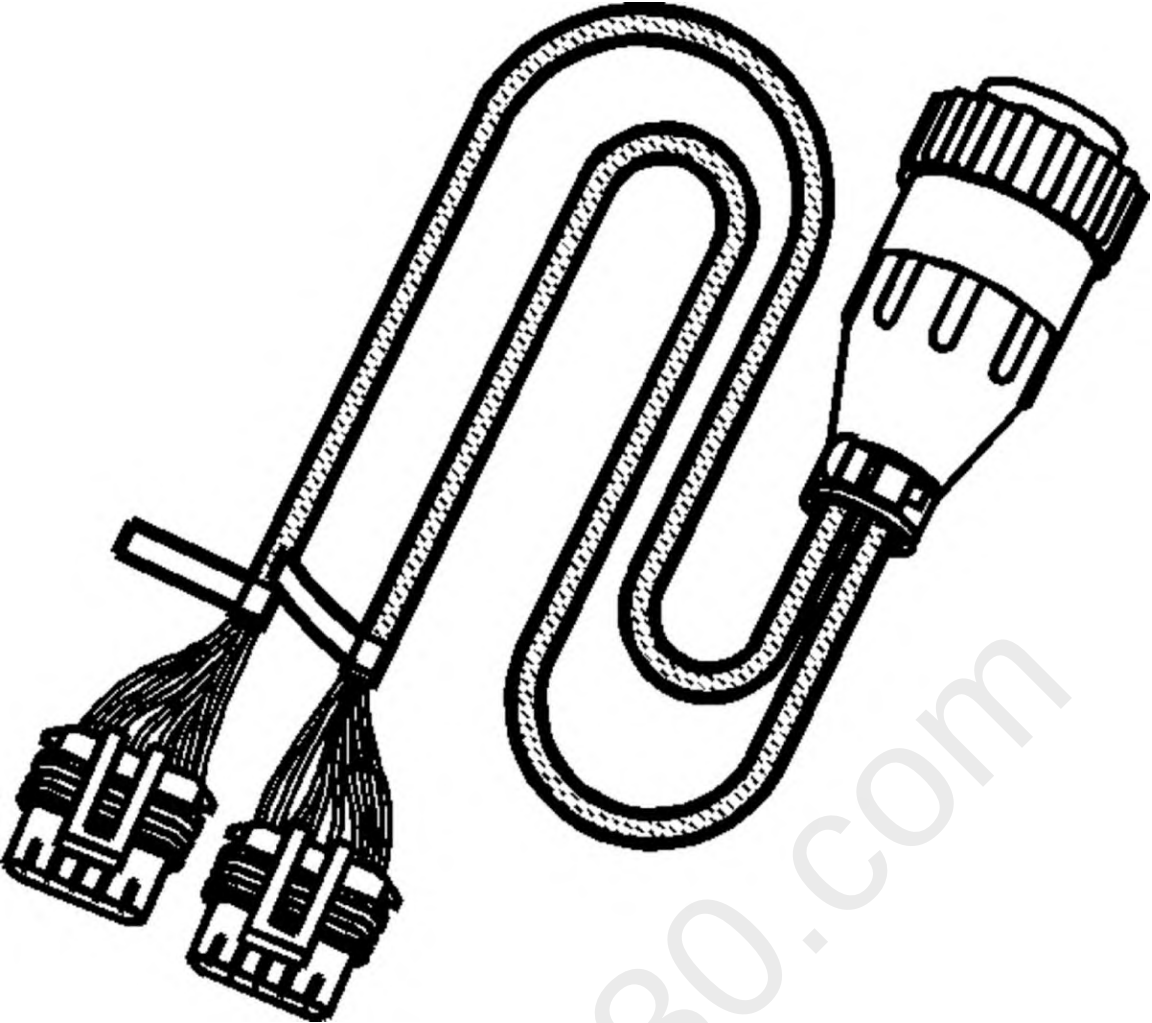
Illustration	Tool Number/Description
	EN-46999 - 20 Active Fuel Management Tester Harness - Small Block V8

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

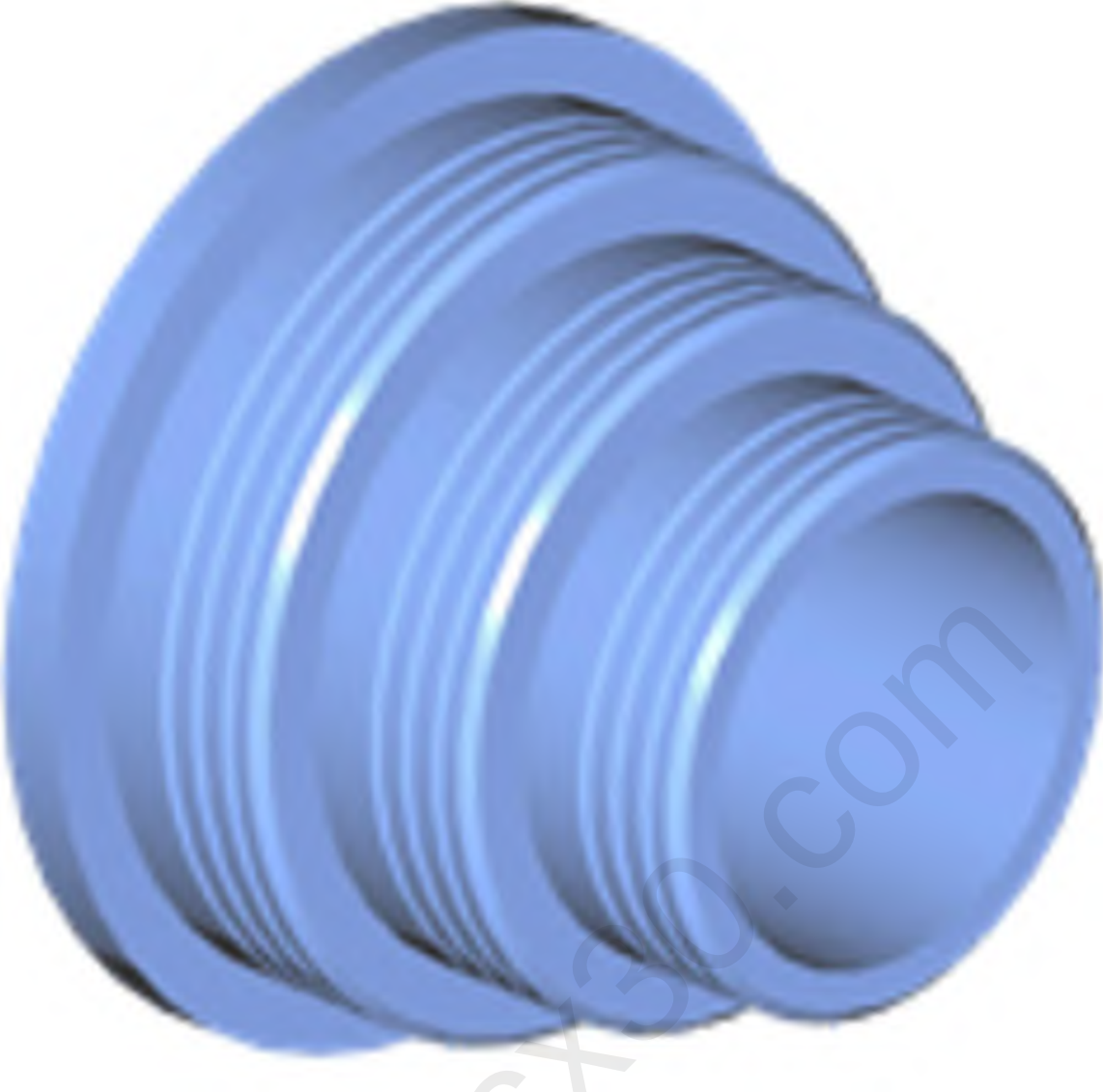
Illustration	Tool Number/Description
	EN-47656 - NA Pressure Test Plugs

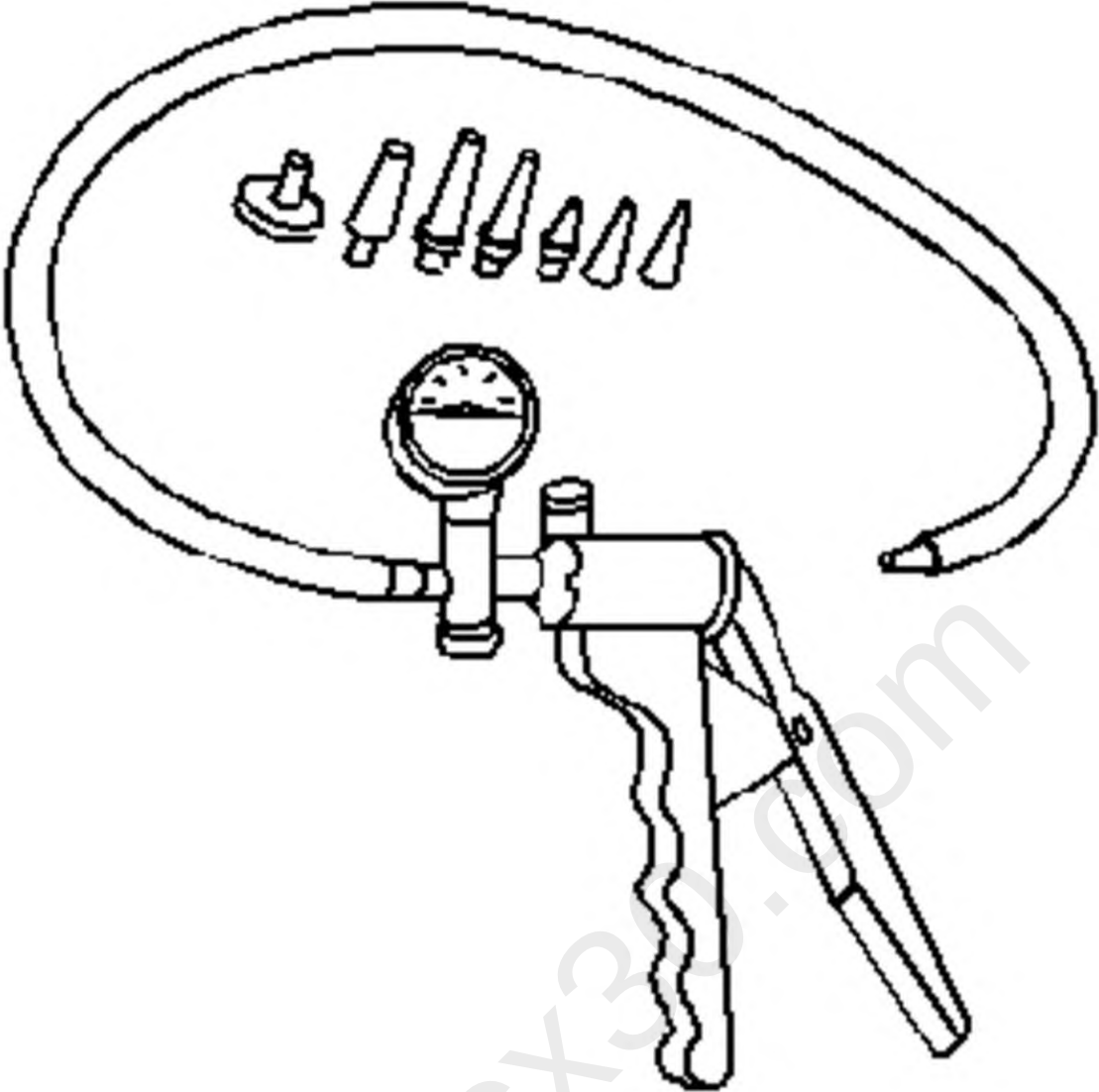
Illustration	Tool Number/Description
	GE-23738-A J-23738-A Vacuum Pump

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

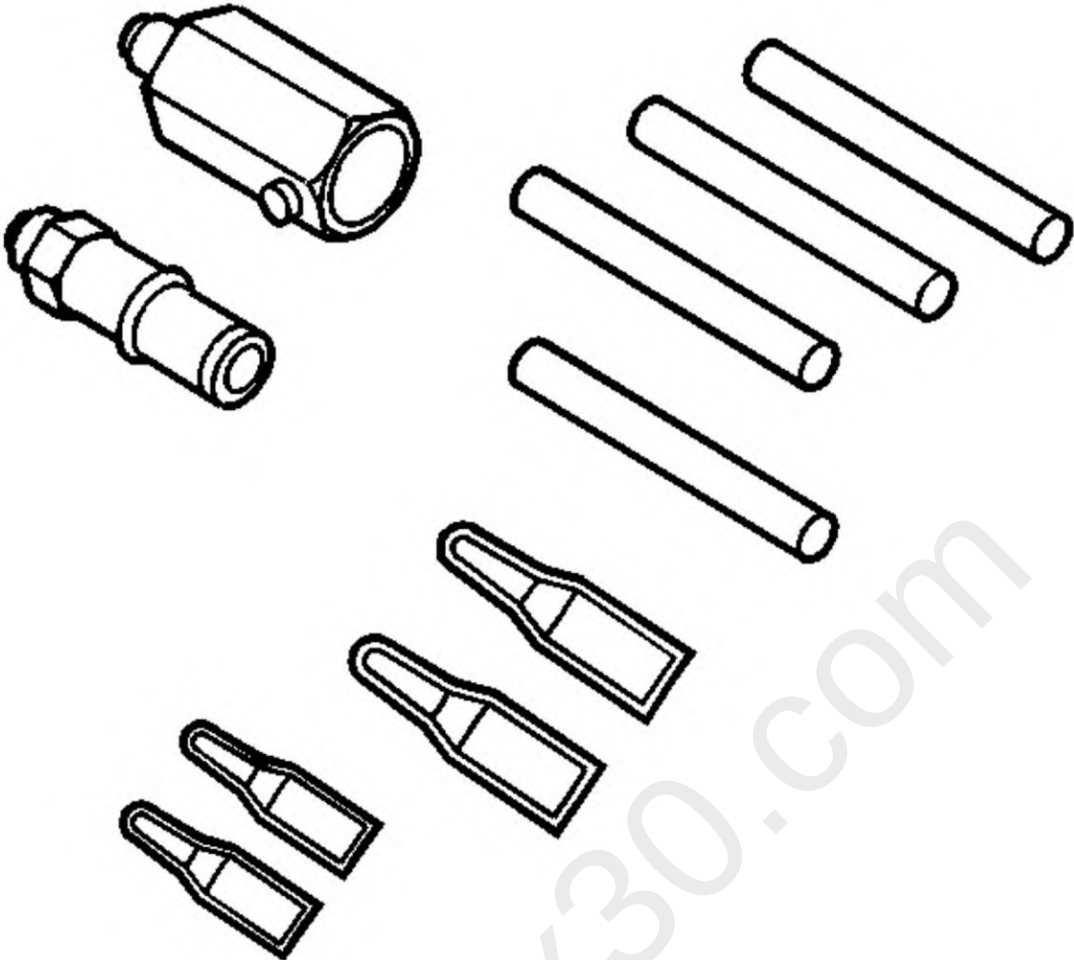
Illustration	Tool Number/Description
 The illustration shows five distinct automotive components. At the top left is a large hexagonal cap with a central circular opening and a smaller side port. Below it is a smaller hexagonal plug with a similar design. To the right of these are five long, thin, cylindrical rods of varying lengths. At the bottom are five U-shaped clips or retainers, each with a curved end and a flat base. A large, light gray watermark 'mcx30.com' is oriented diagonally across the entire illustration area.	GE-41413-300 EN-41413-300 J-41413-300 EVAP Cap and Plug Kit

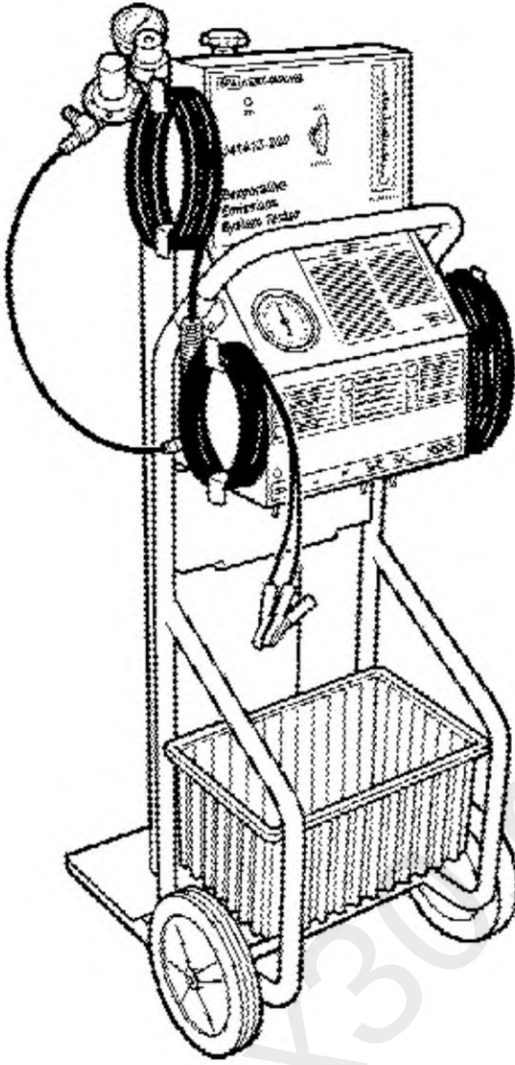
Illustration	Tool Number/Description
	GE-41413-A EN-41413-A J-41413-A GE-41413-200 Evaporative Emissions System Tester (EEST)

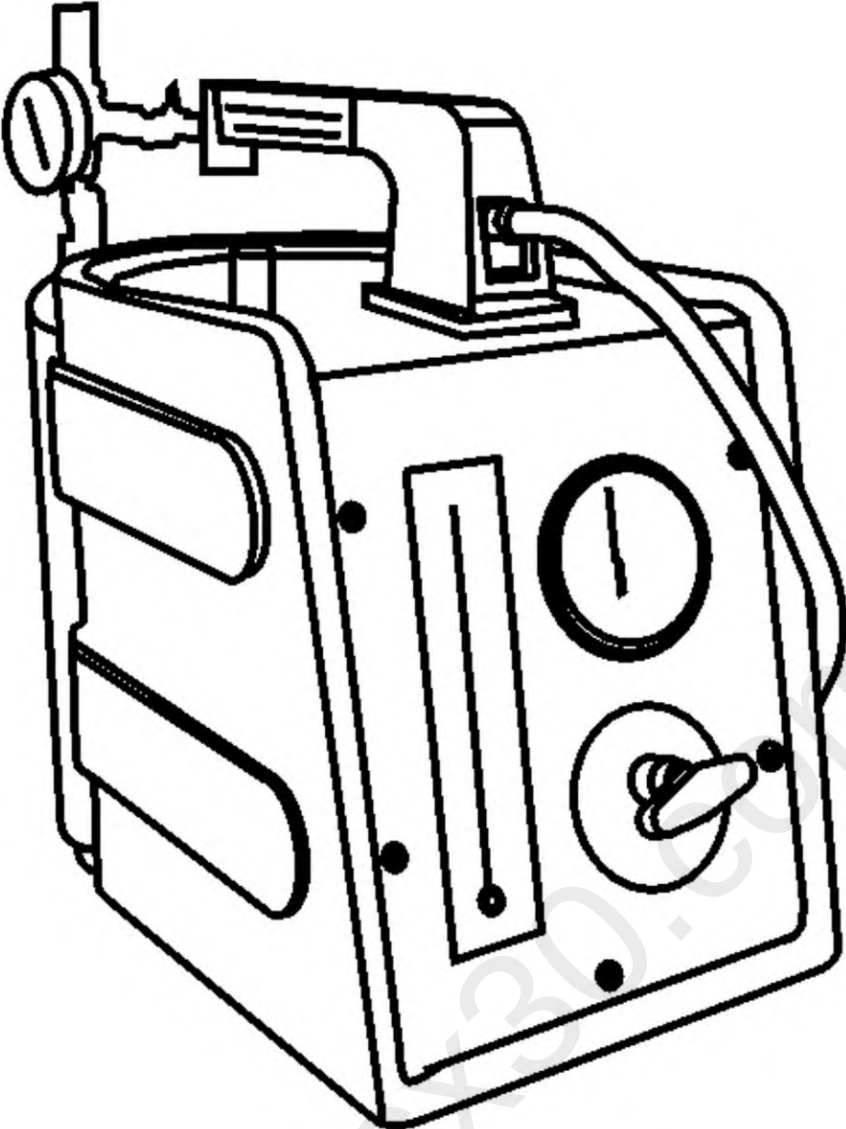
Illustration	Tool Number/Description
	GE-41413-B Evaporative Emissions System Tester (EEST)

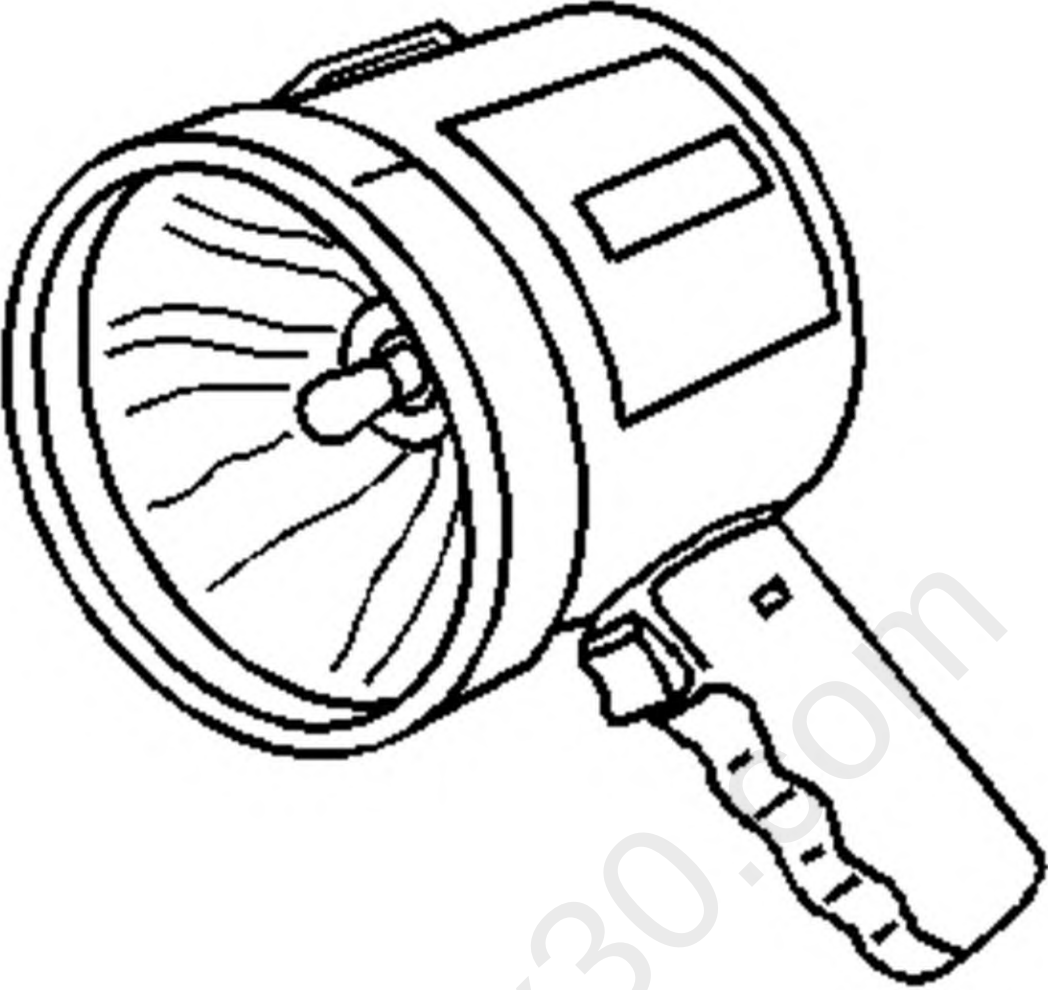
Illustration	Tool Number/Description
	GE-41413-SPT J-41413-SPT High Intensity White Light

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

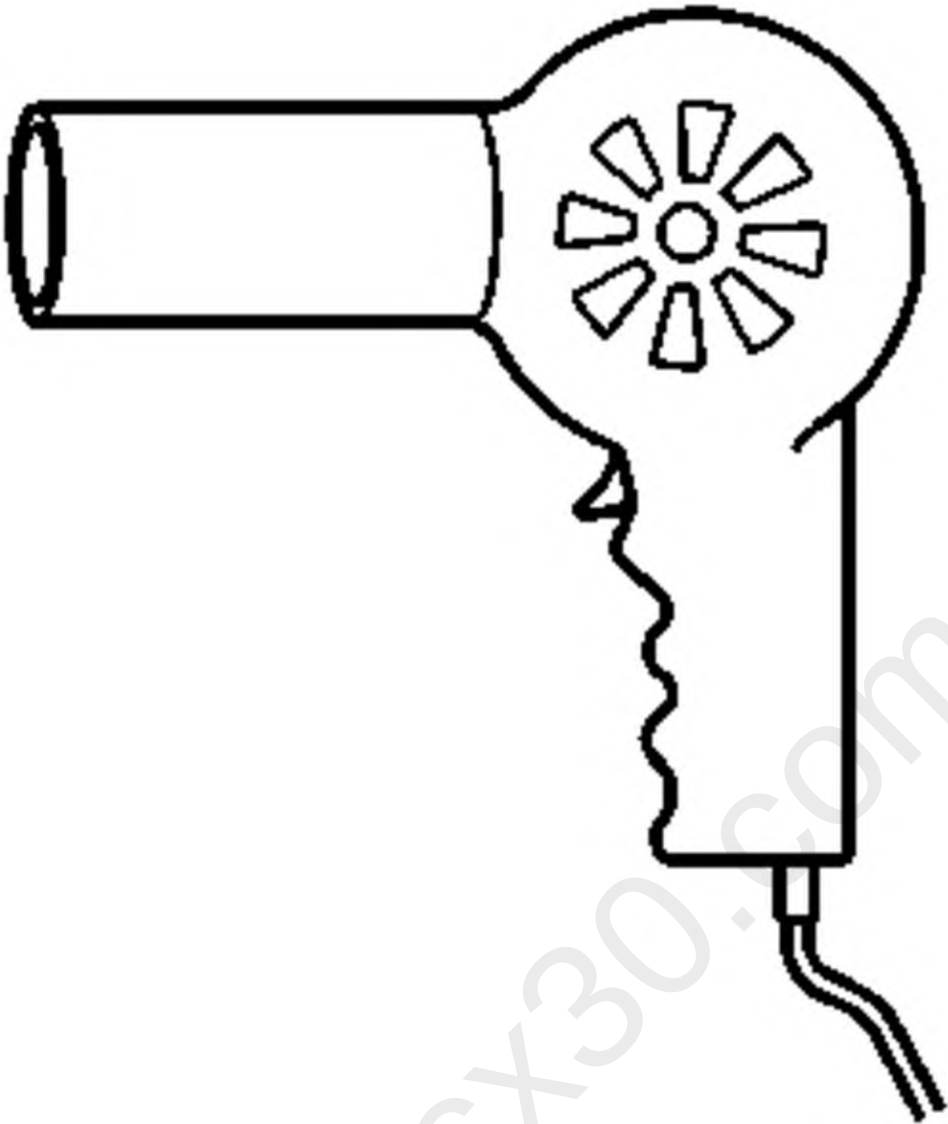
Illustration	Tool Number/Description
	J-25070 Heat Gun 260 - 399B°C (500 - 750B°F)

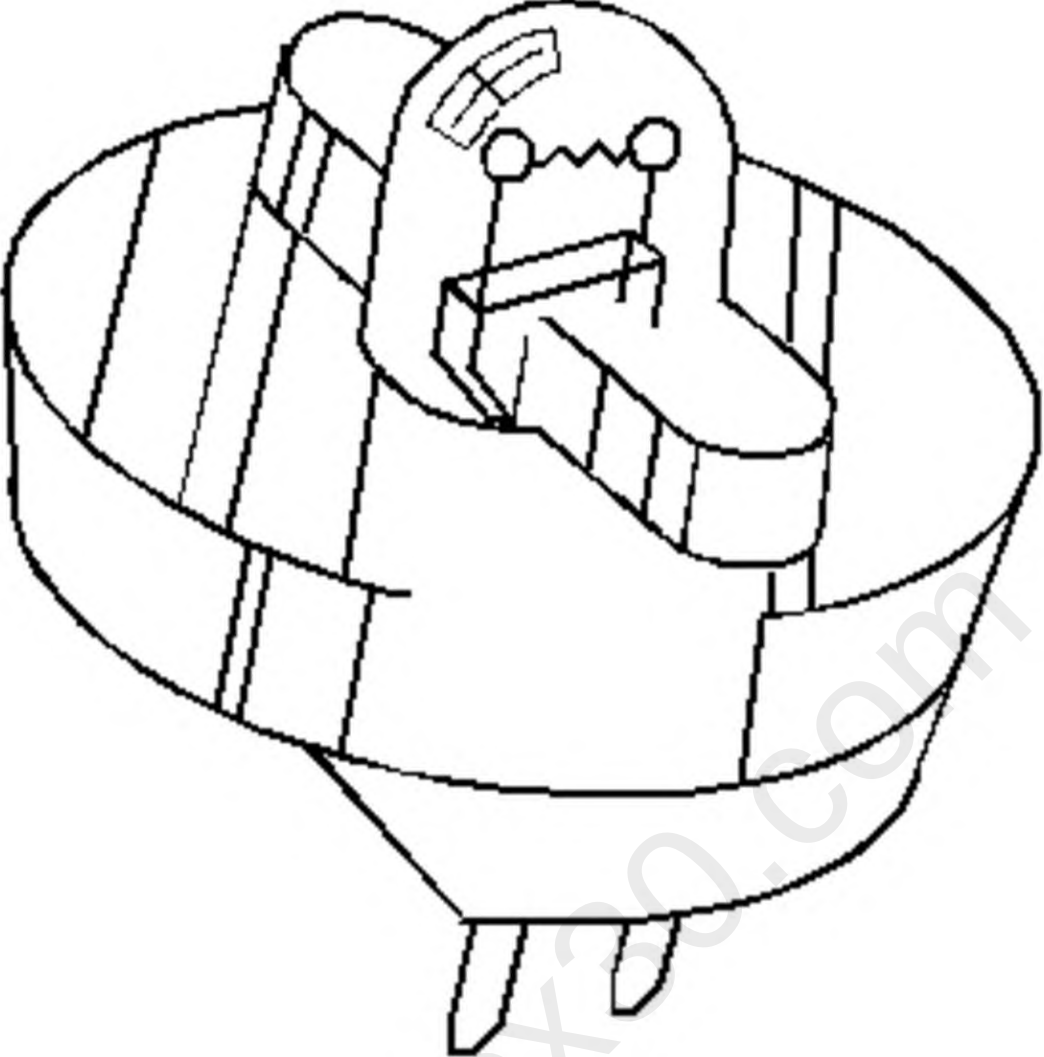
Illustration	Tool Number/Description
	J-34730-375 Injector Test Lamp

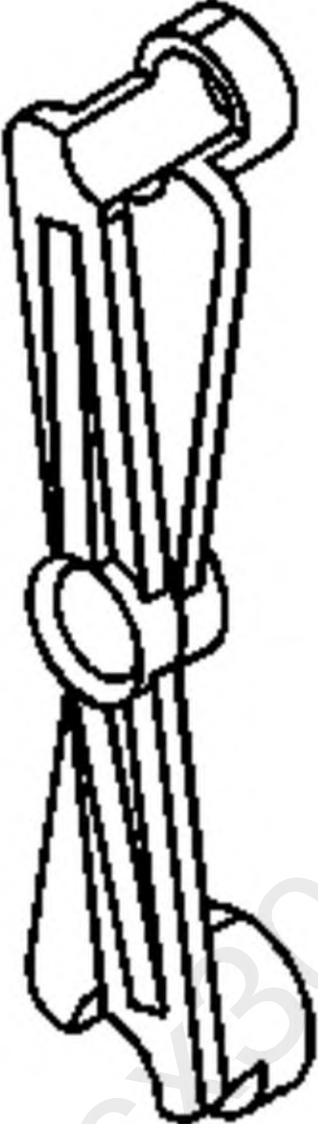
Illustration	Tool Number/Description
	J-44581 Fuel Line Disconnect Tool

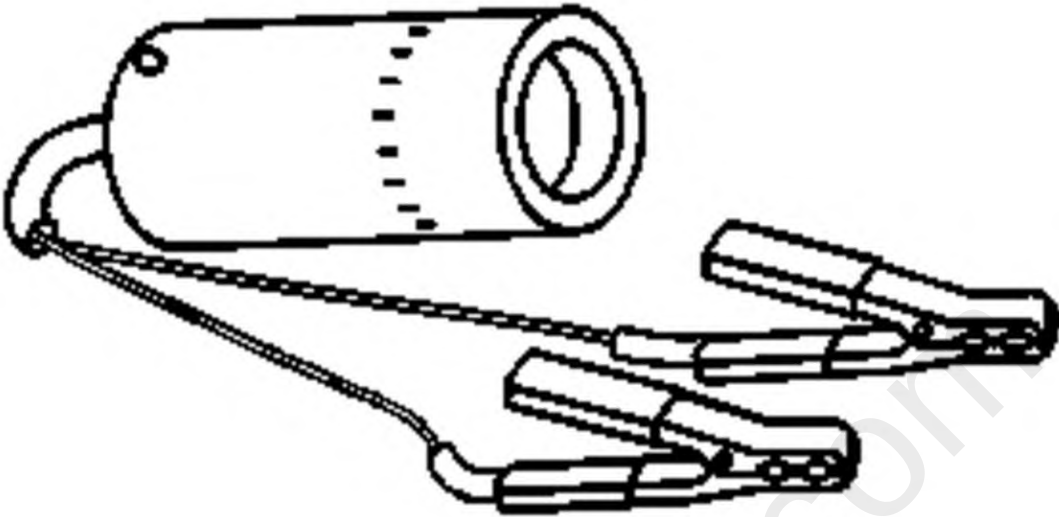
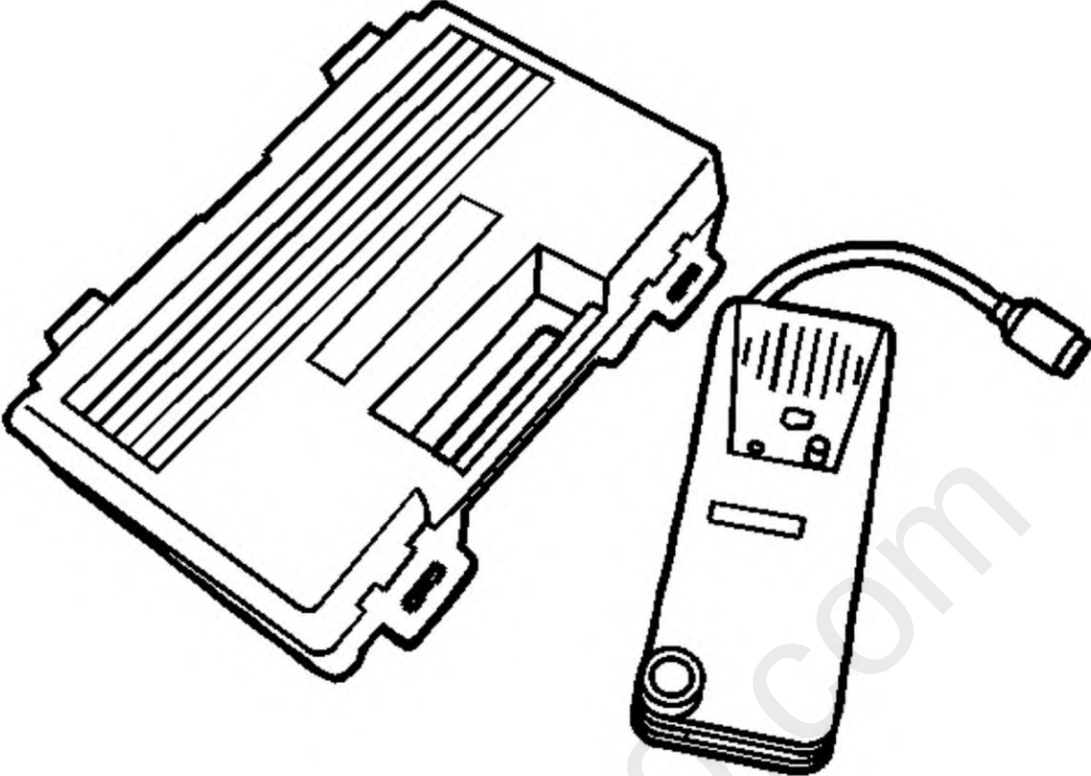
Illustration	Tool Number/Description
	J-28428 - E J 42220 CH 42220 Universal 12-Volt Leak Detection Lamp
mcx30.com	

Illustration	Tool Number/Description
	J-45878 Combustible Gas Detector