



TIPS AND TRICKS

Injector

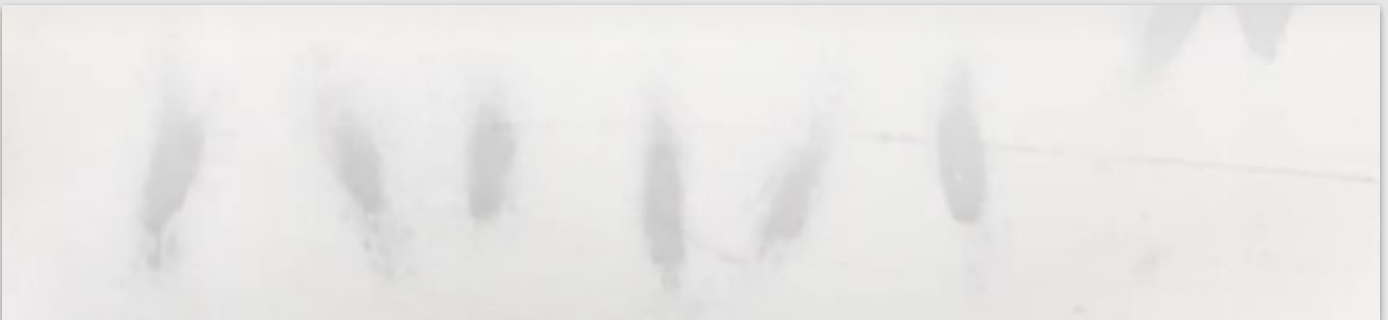
All Gasoline engines

Injector tests



The petrol injector has several diagnosis ways, the common ways are:

- **Measuring the internal resistance:**
The injector contains a coil of wire wrapped around a bobbin. When an electrical current is passed through the coil it creates a magnetic field which causes fuel spray or shut off the flow.



- **Leak test:**
The leak test function is to check the spray pattern of the injector which include the **Injection angle** and the **injection nozzle color**.

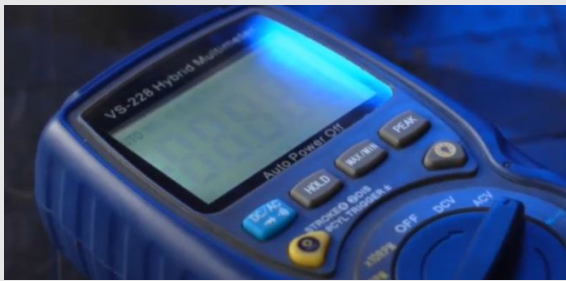


Resistance measurement



Step 1

1. Disconnect the injector connector.



Step 2

2. Set the digital multimeter to resistance selection (Ω)



Step 3

3. Measure the resistance between the injector two pins.



Step 4

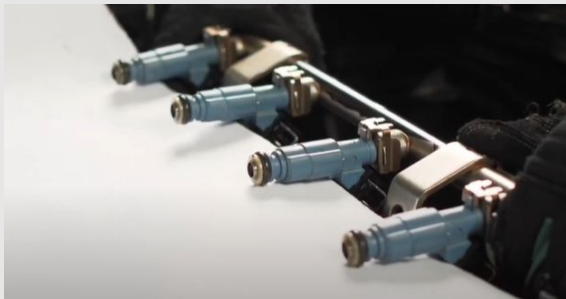
4. Normally the internal resistance is between 10-15 Ω at 20°C*

If there is not resistance that indicates the injector is faulty.

*refer to the vehicle manufacturer

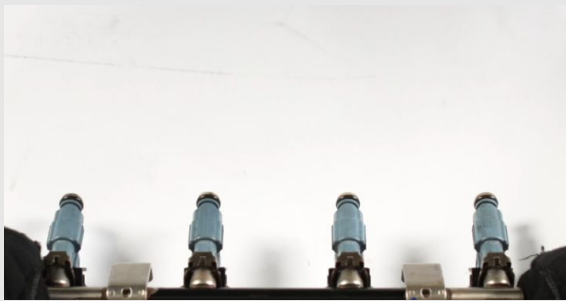


Injector leak test



Step 1

1. After removing the fuel rail, connect the fuel supply hose and connectors then put the it above a white paper.



Step 2

2. Hold the fuel rail with both hands, then start the engine.



Step 3

3. Check the injector spray pattern and color.

