

IGNITION COIL INSPECTION [LF]

B3E011801009W06

Ignition Coil Inspection

Note

- It is unlikely that all four ignition coils fail to operate properly. To prevent replacing a normal component, perform the following procedure, identify the malfunctioning ignition coil, and replace it.

1. Perform the spark test and identify the malfunctioning cylinder.
2. Replace the ignition coil of the malfunctioning cylinder with that of a normal cylinder, and reperform the spark test.

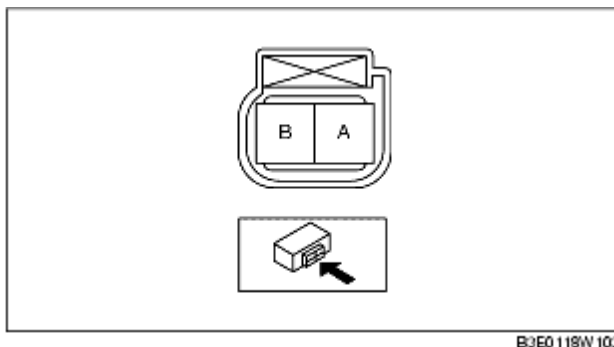
- If the spark is not normal due to a malfunctioning ignition coil, replace that ignition coil.

Resistance Inspection

Primary Coil Winding

1. Disconnect the ignition coil connector.
2. Measure the resistance between the following terminals using an ohmmeter:
 - A and B
 - If not within the specification, replace the ignition coil.

Resistance (Reference)
0.45-1.15 ohms [25 °C {77 °F}]

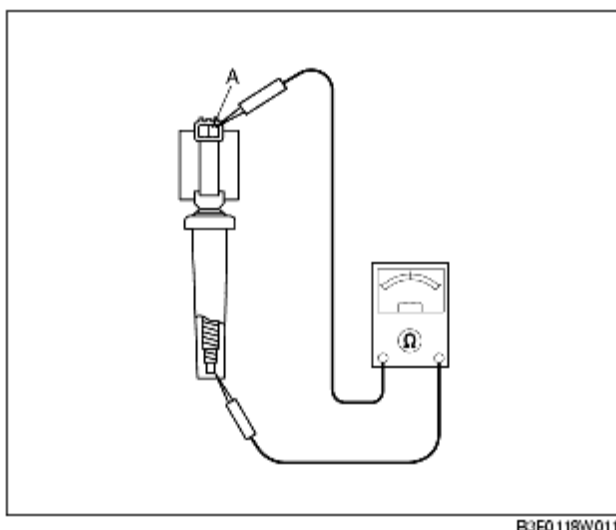


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Secondary Coil Winding

1. Disconnect the ignition coil connector.
2. Remove the ignition coil. (See [IGNITION COIL REMOVAL/INSTALLATION \[LF\]](#).)
3. Measure the resistance between the following using an ohmmeter:
 - Terminal A to coil boot socket
 - If not within the specification, replace the ignition coil.

Resistance (Reference)
5.0-6.0 kilohms [25 °C {77 °F}]

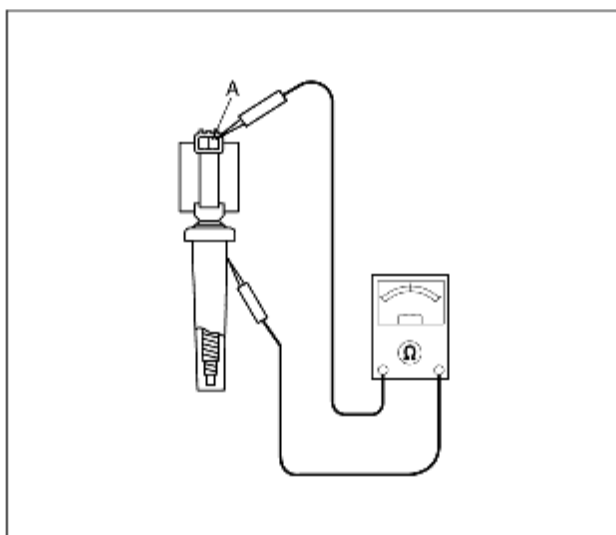


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Insulation Resistance of Case

1. Disconnect the ignition coil connector.
2. Measure the insulation resistance from terminal A to ignition coil case using an ohmmeter.
 - If it is less than the specification, replace the ignition coil.

Resistance (Reference)
10 megohms [25 °C {77 °F}]



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