

## 01-18 IGNITION SYSTEM

### IGNITION SYSTEM

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### IGNITION COIL

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### SPARK PLUG

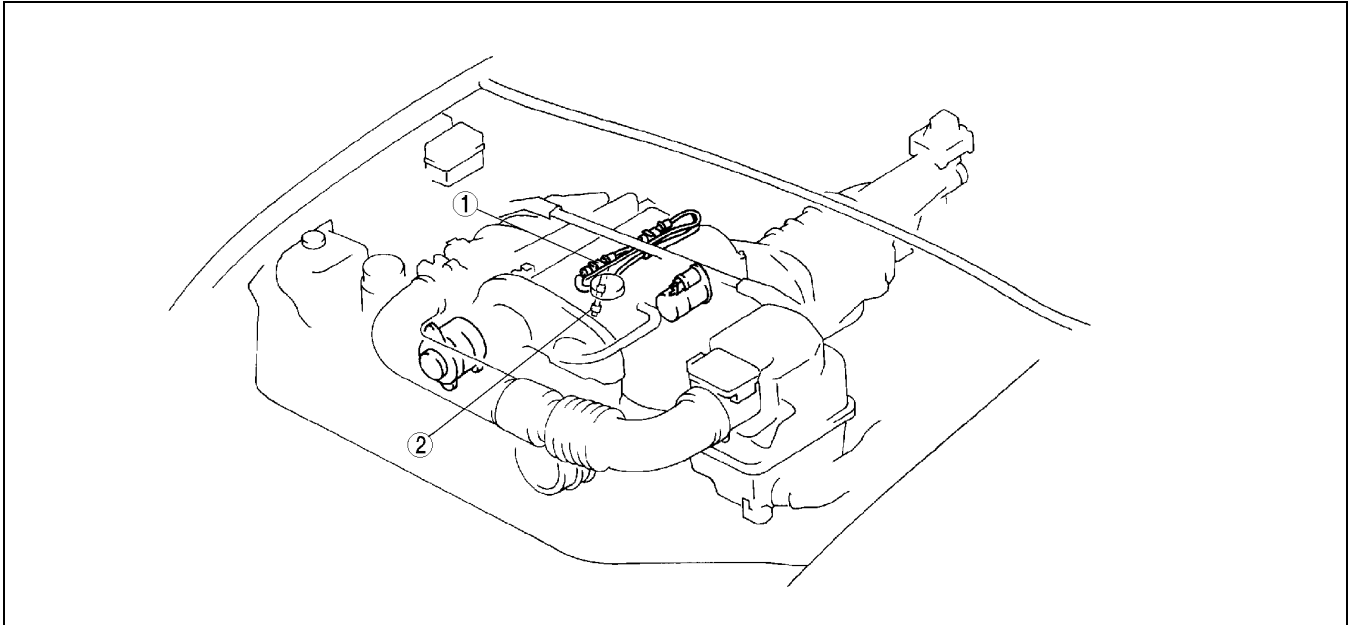
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### IGNITION SYSTEM LOCATION INDEX

A5U011801009W01



Z5U0118WA8

1	<p>Ignition coil (See 01-18-2 IGNITION COIL REMOVAL/ INSTALLATION) (See 01-18-2 IGNITION COIL INSPECTION)</p>
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2	<p>Spark plug (See 01-18-3 SPARK PLUG REMOVAL/ INSTALLATION) (See 01-18-3 SPARK PLUG INSPECTION)</p>
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# IGNITION SYSTEM

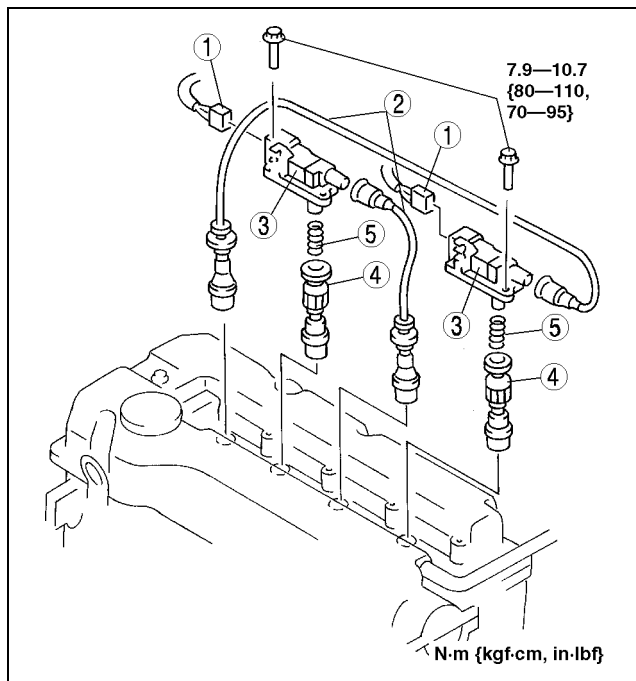
## IGNITION COIL REMOVAL/INSTALLATION

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1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

1	Connector
2	High-tension lead
3	Ignition coil
4	Plug cap
5	Spring

3. Install in the reverse order of removal.



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## IGNITION COIL INSPECTION

### Igniter

1. Carry out spark test. (See 01-03-60 Spark Test.)

### Ignition Coil Operation Inspection

1. Remove ignition coils, high-tension leads, and spark plugs.
2. Connect the ignition coil, high-tension lead, spark plug, and the battery as shown in the figure.

#### Caution

- When connecting the ignition coil, be sure to attach as a female terminal to each terminal. Otherwise, coil terminals may come into contact and the ignition coil could be damaged.

#### Note

- Use the high-tension lead and spark plug that function properly.

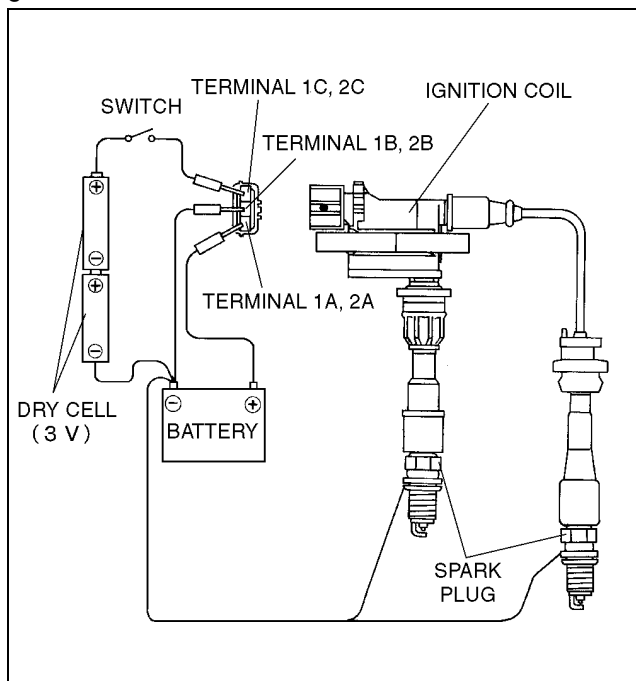
3. Verify that the spark plug produces a strong, pale spark when changing the switch off to on.

#### Warning

- Do not hold the spark plug, high-tension lead, or ignition coil while inspecting the ignition coil. You may be subjected to a strong shock.

#### Note

- No.1 and No.4 cylinders and No.2 and No.3 cylinder are ignited simultaneously.



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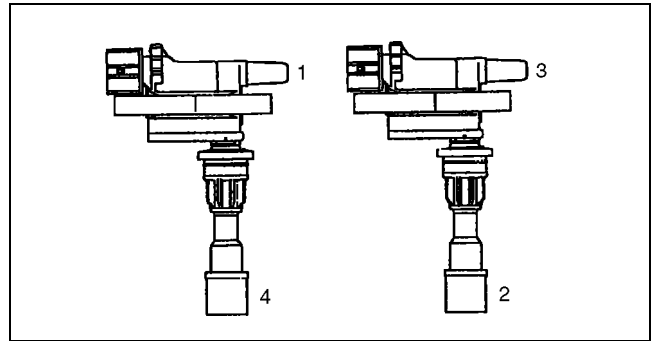
## IGNITION SYSTEM

### Secondary Coil Winding

1. Remove the ignition coil.
2. Measure the resistance from lead hole 1 to 4, and lead hole 2 to 3 using an ohmmeter.
  - If not as specified, replace the ignition coil.

#### Specification

7—11 kilohms



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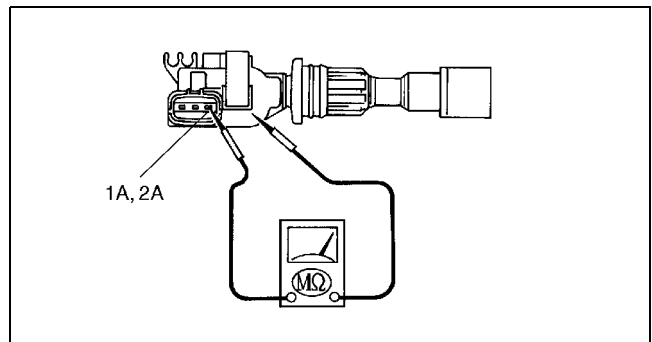
01-18

### Insulation Resistance of Case

1. Disconnect the high-tension lead.
2. Disconnect the ignition coil connector.
3. Measure the insulation resistance from terminal 1A to ignition coil case, and terminal 2A to ignition coil case using an ohmmeter.
  - If not as specified, replace the ignition coil.

#### Specification

Above 10 megohms



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### SPARK PLUG REMOVAL/INSTALLATION

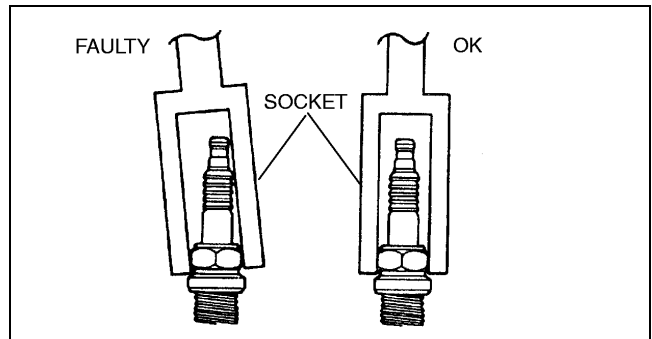
#### Caution

- To avoid breaking the spark plug, be sure to fit the socket squarely over it.

1. Disconnect the high-tension lead.
2. Remove the spark plug.
3. Install in the reverse order of removal.

#### Tightening torque

15—22 N·m {1.5—2.3 kgf·m, 11—16 ft·lbf}



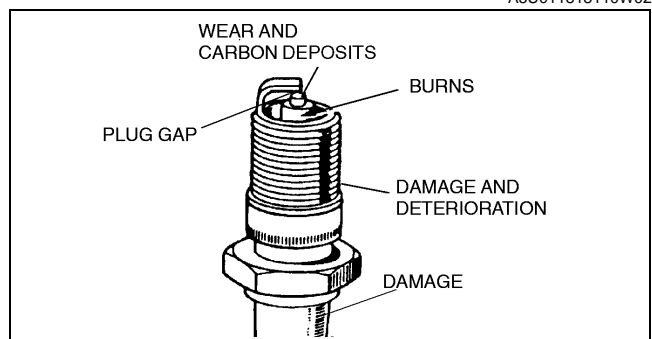
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### SPARK PLUG INSPECTION

1. Inspect the following and replace the spark plugs if necessary.
  - Damaged insulation
  - Worn electrode
  - Carbon deposits
    - If cleaning is necessary, use a plug cleaner or a wire brush. Wipe the upper insulator.
  - Damaged gasket
  - Burnt condition
  - Plug gap

#### Plug gap

1.0—1.1 mm {0.040—0.043 in}



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