

2012 - Mazda6 - Suspension

PRECAUTION

Intermittent Concern Troubleshooting

Vibration method

- If malfunction occurs or becomes worse while driving on a rough road or when the engine is vibrating, perform the steps below.

NOTE:

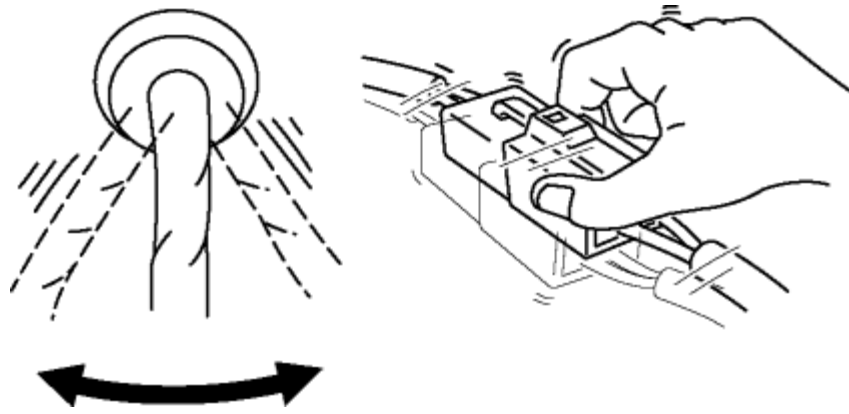
- There are several reasons why vehicle or engine vibration could cause an electrical malfunction. Some of the things to check for are:
 - Connectors not fully seated
 - Wire harnesses not having full play
 - Wires laying across brackets or moving parts
 - Wires routed too close to hot parts
- An improperly routed, improperly clamped, or loose harness can cause wiring to become pinched between parts.
- The connector joints, points of vibration, and places where wire harnesses pass through the firewall, body panels and other panels are the major areas to be checked.

Inspection method for switch and/ or sensor connectors or wires

1. Connect the M-MDS (IDS) to the DLC-2.
2. Switch the ignition to ON (engine off).

NOTE:

- If engine starts and runs, perform the following steps at idle.
3. Access the PIDs for the switch you are inspecting.
 4. Turn switch on manually.
 5. Shake each connector or wire harness a bit vertically and horizontally while monitoring the PID.



- If the PID value is unstable, check for poor connection.

Inspection method for sensors

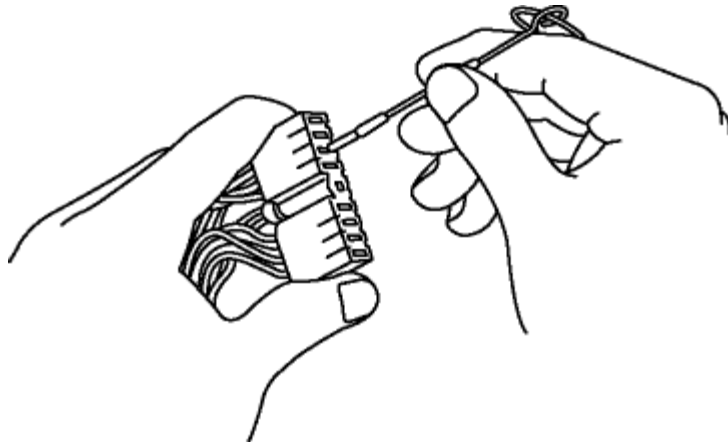
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2. Switch the ignition to ON (engine off).

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- If engine starts and runs, perform the following steps at idle.
3. Access the PIDs for the switch you are inspecting.
 4. Vibrate the sensor slightly with your finger.
- If the PID value is unstable or malfunction occurs, check for poor connection and/or poorly mounted sensor.

Connector terminal check method

1. Check the connection condition of each female terminal.
2. Insert male terminal; fit the female terminal side to female terminal and check to see whether the malfunction is in the female terminal or not.



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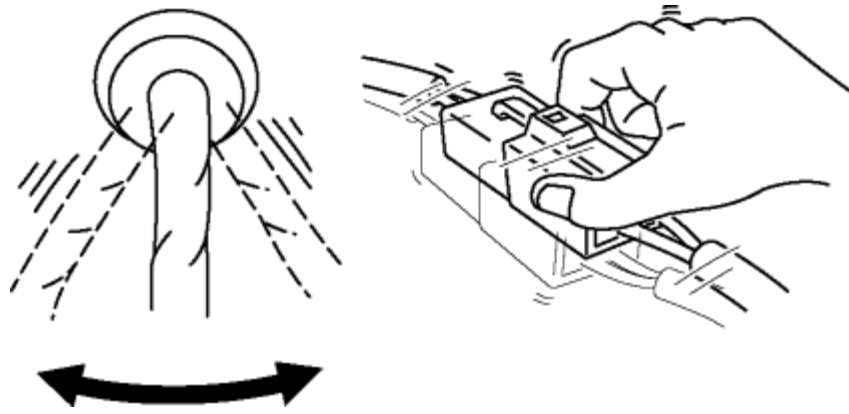
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