

REAR ABS WHEEL-SPEED SENSOR INSPECTION

B3E041343710W02

Installation Visual Inspection

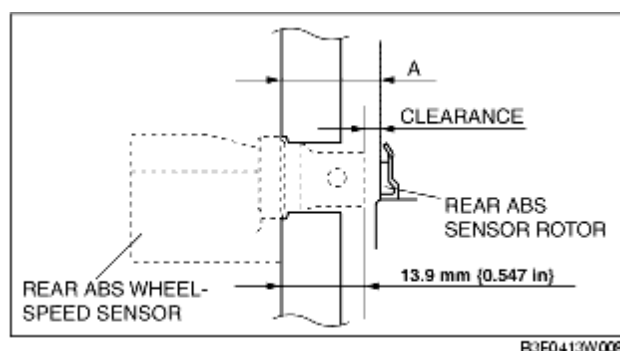
1. Inspect for the following:

- If there is any malfunction, replace the part.
 - (1) Excessive looseness or play of the ABS wheel-speed sensor
 - (2) Deformation of the ABS wheel-speed sensor
 - (3) Deformation or damage of the ABS sensor rotor

Clearance Inspection

1. Remove the rear ABS wheel-speed sensor.

2. Measure the distance between the rear ABS wheel-speed sensor installation surface and the ABS sensor rotor. This is dimension A.



3. Calculate the clearance between the rear ABS wheel-speed sensor and the ABS sensor rotor using the following formula:

$$\text{Clearance (mm \{in\})} = A - 13.9 \{0.547\}$$

4. Verify that the clearance between the ABS sensor rotor and the rear ABS wheel-speed sensor is as indicated below.

- If there is any malfunction, replace it.

Clearance
1.46 mm {0.057 in} or less

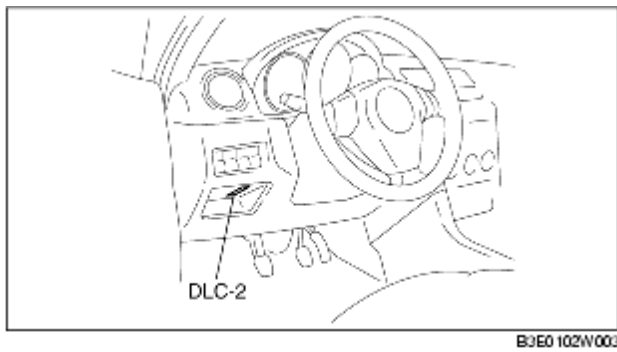
Sensor Output Value Inspection

Caution

- Resistance inspection using other testers may cause damage to the ABS wheel-speed sensor internal circuit. Be sure to use the WDS or equivalent to inspect the ABS wheel-speed sensor.

1. Turn the ignition switch off.

2. Connect the WDS or equivalent to the DLC-2.



3. Select the following PIDs using the WDS or equivalent:

- LR_WSPD
(LR wheel-speed sensor)
- RR_WSPD
(RR wheel-speed sensor)

4. Start the engine and drive the vehicle.

5. Verify that the display of the WDS or equivalent shows the same value as the speedometer.

- If there is any malfunction, replace the ABS wheel-speed sensor.