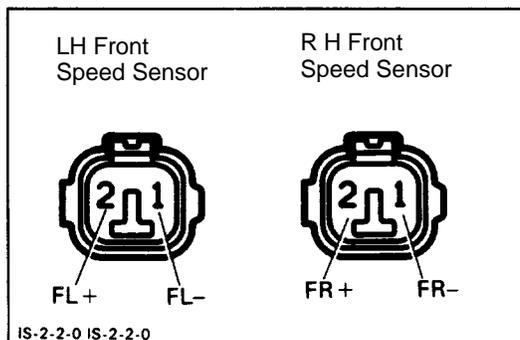
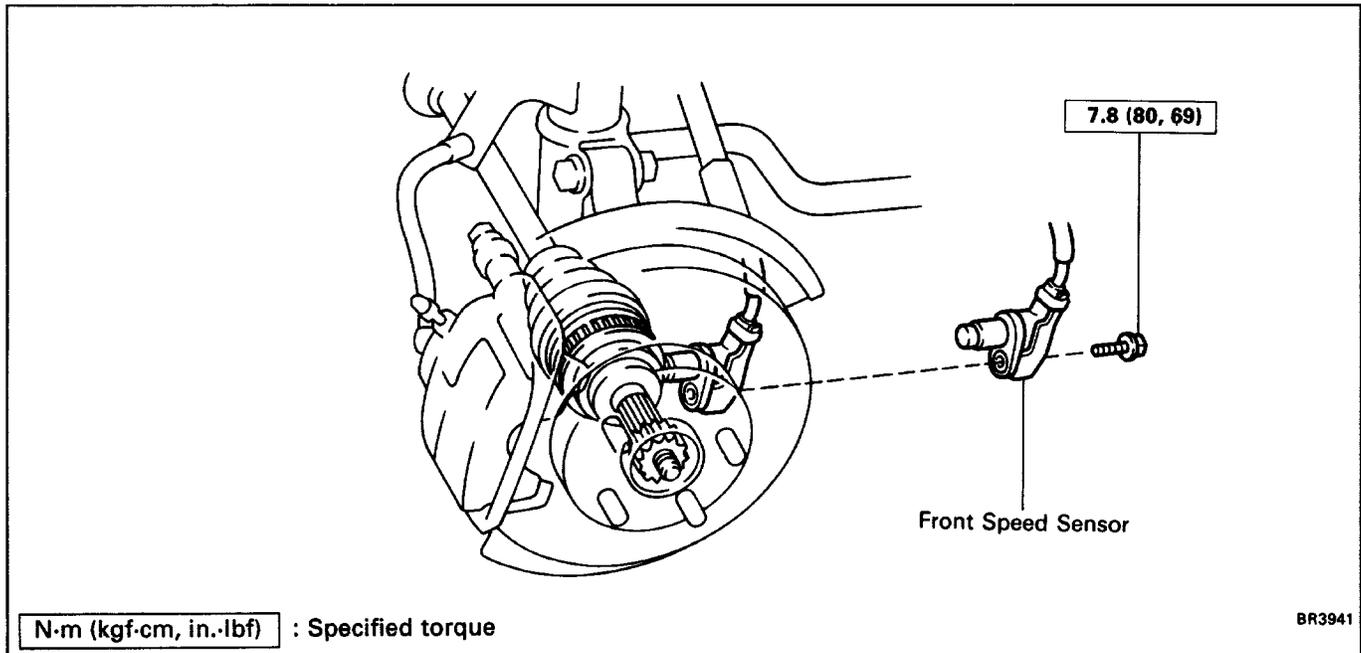


Front Speed Sensor



INSPECTION OF FRONT SPEED SENSOR

1. INSPECT SPEED SENSOR

(a) Remove the bolt from the pipe clamp of the wire harness.

(b) Disconnect the speed sensor connector.

(c) Measure the resistance between terminals.

Resistance: 0.8 – 1.3 k Ω

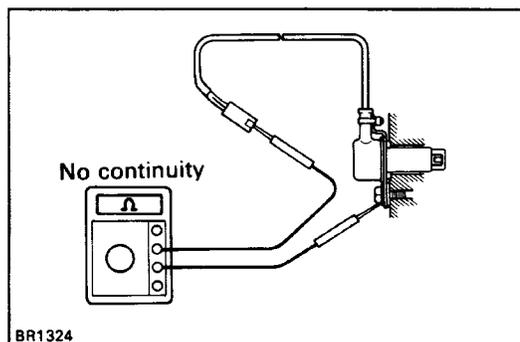
If resistance value is not as specified, replace the sensor.

(d) Check that there is no continuity between each terminal and sensor body.

If there is continuity, replace the sensor.

(e) Connect the speed sensor connector.

(f) Install the bolt of the pipe clamp.



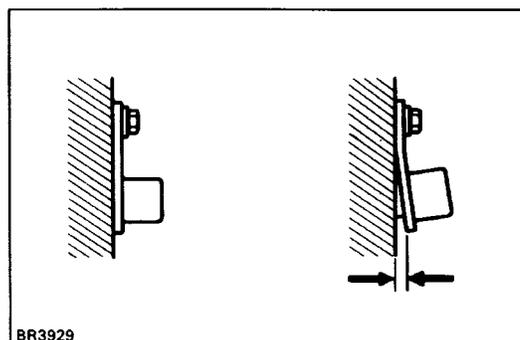
2. INSPECT SENSOR INSTALLATION

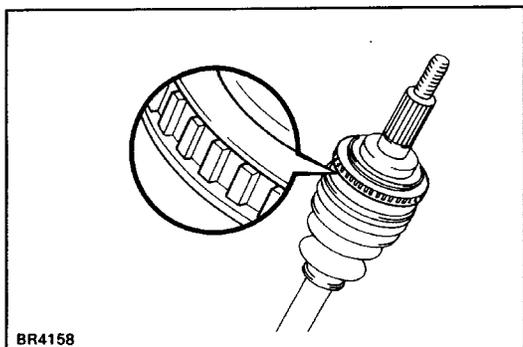
(a) Check that the sensor installation bolt is tighten properly. If not, tighten the bolt.

Torque: 7.8 N·m (80 kgf·cm, 69 in.-lbf)

(b) Check that there is no clearance between the sensor and rear axle carrier as shown.

If there is clearance, replace the sensor.

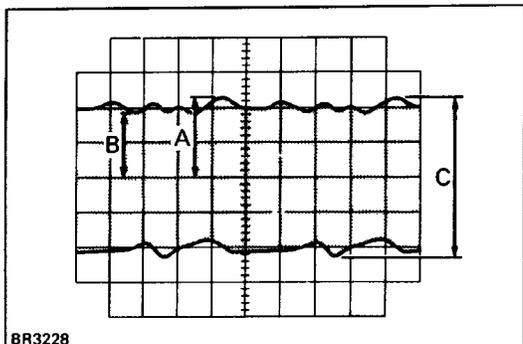




3. VISUALLY INSPECT SENSOR ROTOR SERRATIONS

- (a) Remove the drive shaft.
(See page SA-17 or 33)
- (b) Inspect the sensor rotor serrations for scratches, cracks, warping or missing teeth.
- (c) Install the drive shaft.
(See page SA-30 or 44)

NOTICE: To prevent damage to the serrations, do not strike the drive shaft.



INSPECTION OF FRONT SPEED SENSOR AND SENSOR ROTOR SERRATIONS (REFERENCE)

INSPECT FRONT SPEED SENSOR AND SENSOR ROTOR SERRATIONS BY USING AN OSCILLOSCOPE

- (a) Connect an oscilloscope to the speed sensor connector.
- (b) Run the vehicle at 20 km/h (12.4 mph), and inspect speed sensor output wave.
- (c) Check that C is 0.5 V or more.
If not as specified, replace the speed sensor.
- (d) Check that B is 70% or more of A.
If not as specified, replace the drive shaft.