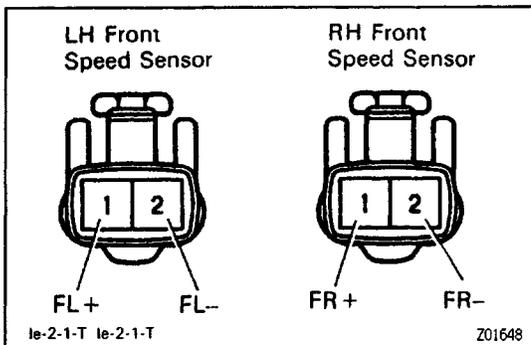
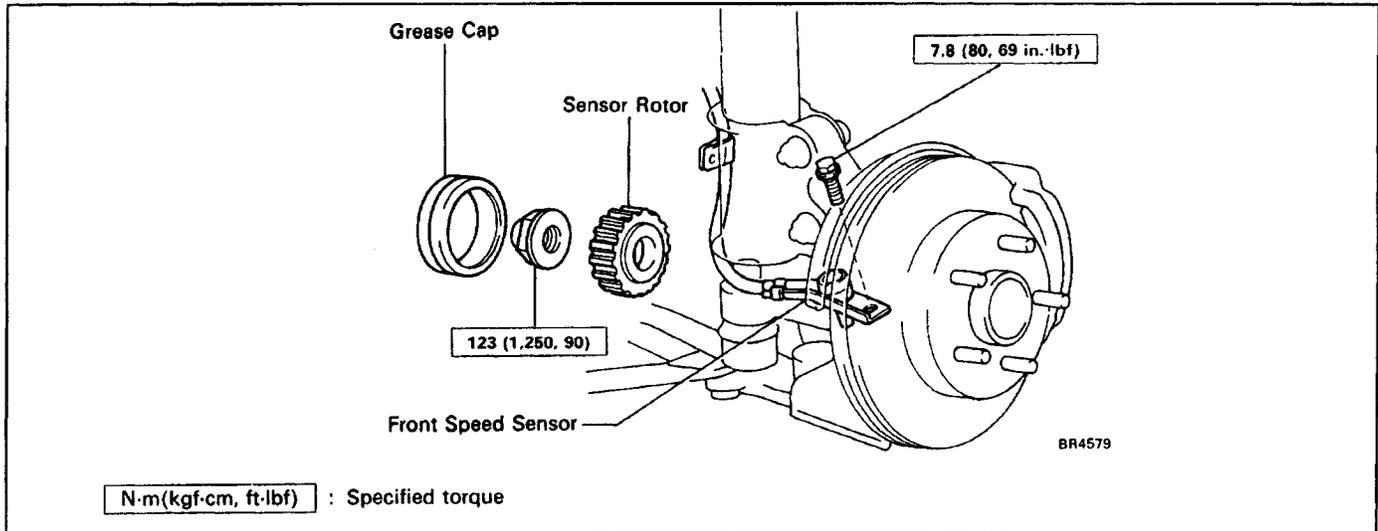


FRONT SPEED SENSOR COMPONENTS

BR07K-01



FRONT SPEED SENSOR INSPECTION

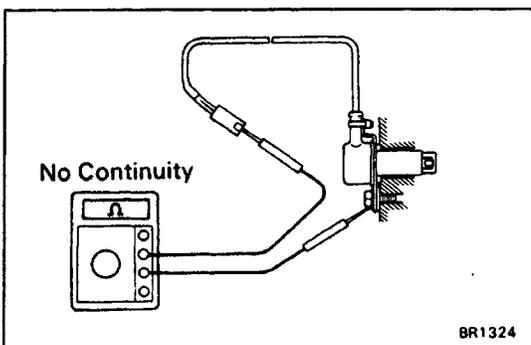
BR07L-0

1. INSPECT SPEED SENSOR

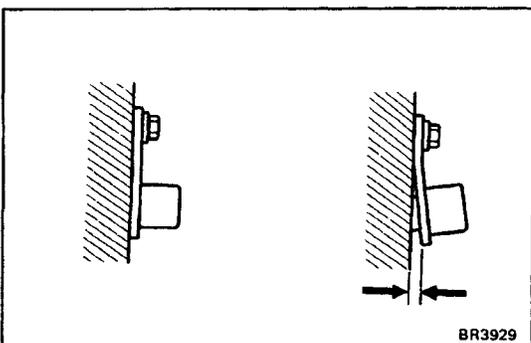
- Disconnect the speed sensor connector.
- Measure the resistance between terminals.

Resistance: 0.9–1.5 kΩ

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



- Check that there is no continuity between each terminal and sensor body.
If there is continuity, replace the sensor.
- Connect the speed sensor connector.



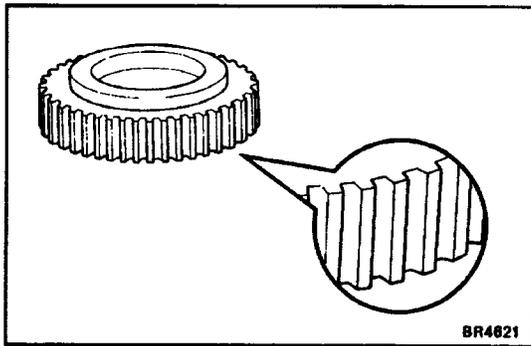
2. INSPECT SENSOR INSTALLATION

- Check that the sensor installation bolt is tightened properly. If not, tighten the bolt.

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

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

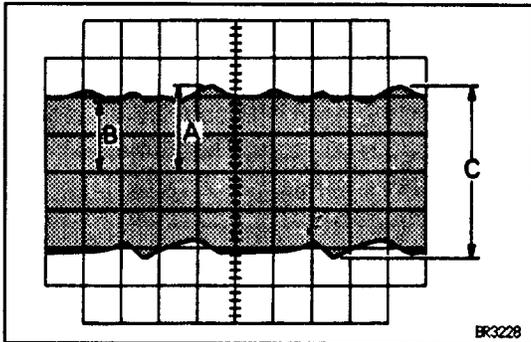
If there is clearance, replace the sensor.



3. VISUALLY INSPECT SENSOR ROTOR SERRATIONS

- (a) Remove the sensor rotor.
(See page SA-14)
- (b) Inspect the sensor rotor serrations for scratches, cracks, warping or missing teeth.
- (c) Install the sensor rotor.
(See page SA-16)

NOTICE: To prevent damage to the serration:, do not strike the sensor rotor.



FRONT SPEED SENSOR AND SENSOR ROTOR SERRATIONS INSPECTION (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 5096 or more of A.
If not as specified, replace the sensor rotor.