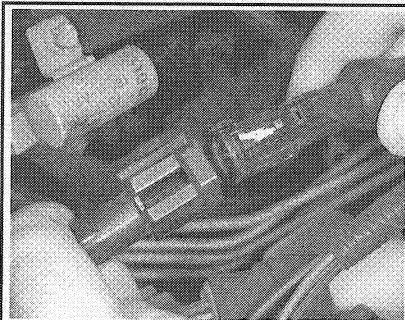


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**Fig. 77** The speed sensor sits directly over the exciter ring in the front knuckle



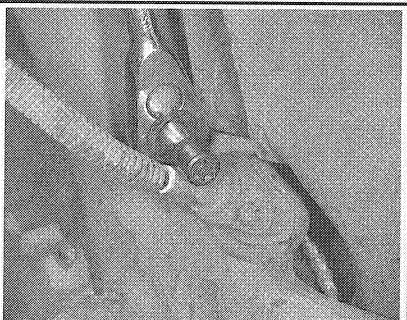
89609P55

**Fig. 78** Detach the speed sensor connector in the engine compartment



89609P53

**Fig. 79** Remove the speed sensor harness from the routing clips



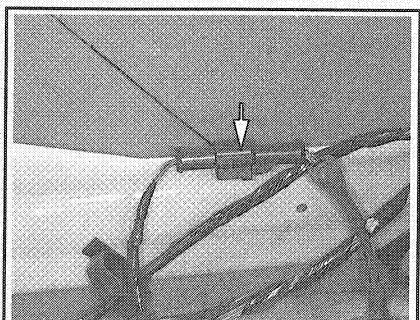
89609P52

**Fig. 80** A special E6 Torx® socket is required to remove the speed sensor-retaining bolt



93149P17

**Fig. 81** The sensor sits in a special mounting boss that does not allow an adjustable air gap between the sensor and exciter ring



89609P04

**Fig. 82** Detach the speed sensor connector in the luggage compartment

**To install:**

7. Install the sensor into the mounting hole in the front spindle and attach with the mounting bolt. Torque to 40–60 inch lbs. (4.5–6.8 Nm).

8. Insert the sensor routing grommets into the dust shield and steel bracket on the frame. Route the wire into the engine compartment.

9. Install the rubber coated steel clip that holds the sensor wire to the frame into the hole in the frame.

10. Install the steel clip that holds sensor wire to tube bundle on left side or plastic clip that holds sensor to frame on right side.

11. Reconnect the 2-pin connector to wire harness. Reconnect the negative battery cable.

**Rear**

♦ See Figures 82 thru 88

1. Disconnect the negative battery cable.  
2. From inside luggage compartment, detach 2-pin sensor connector from wiring harness and push sensor wire through hole in floor.

3. From below vehicle, remove sensor wire from routing bracket located on top of rear axle carrier housing and remove steel clip holding sensor wire and brake tube against axle housing.

4. Remove screw from clip holding sensor wire and brake tube to bracket on axle.

5. Remove sensor to rear adapter retaining bolt and remove sensor.

**To install:**

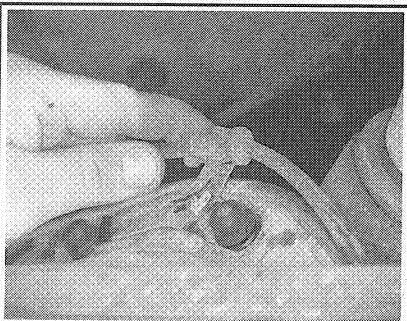
6. Insert sensor adapter and install retaining bolt. Torque to 40–60 inch lbs. (4.5–6.8 Nm).

7. Attach clip holding sensor and brake tube to bracket on axle housing and secure with screw. Torque to 40–60 inch lbs. (4.5–6.8 Nm).

8. Install steel clip around axle tube that holds sensor wire and brake tube against axle tube and push spool-shaped grommet into clip located on top of axle carrier housing.

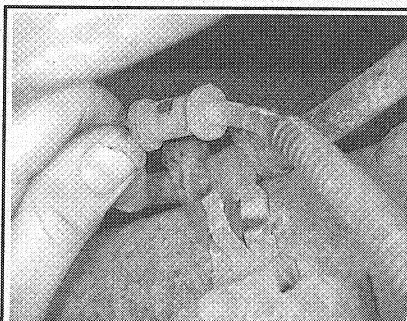
9. Push sensor wire connector up through hole in floor and seat large round grommet into hole.

10. Push sensor wire connector up through hole in floor and seat large round grommet into hole.



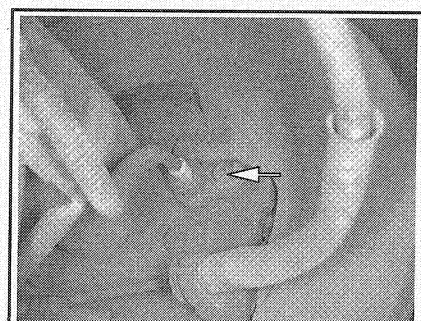
89609P37

**Fig. 83** Grasp the harness and . . .



89609P36

**Fig. 84** . . . remove it from the routing brackets



89609P32

**Fig. 85** The rear speed sensor is mounted on the back of the hub assembly