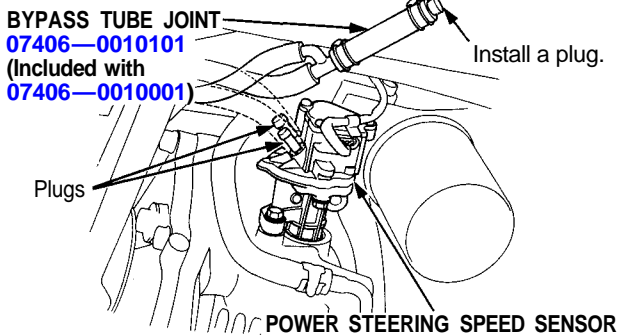


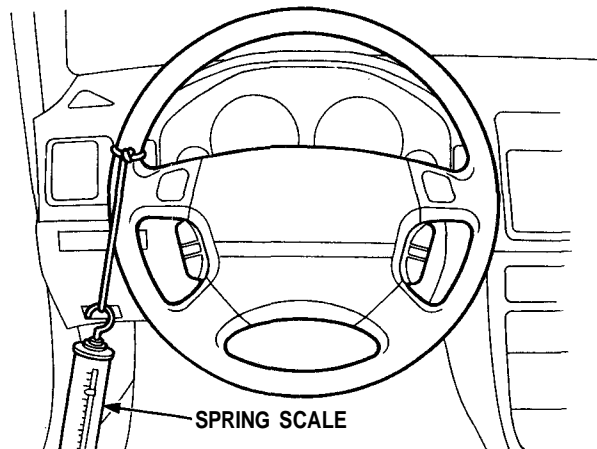


## Assist Check at Road Speed

1. Check the power steering fluid level and pump belt tension.
2. Start the engine, let it warm up to normal operating temperature (the cooling fan comes on), and turn the steering wheel lock-to-lock a few times to warm up the fluid.
3. Stop the engine, to simulate speeds above 30 mph (50 km/h), disconnect the hoses from the power steering speed sensor and connect them to the bypass tube joint. Plug the end of the bypass tube joint.



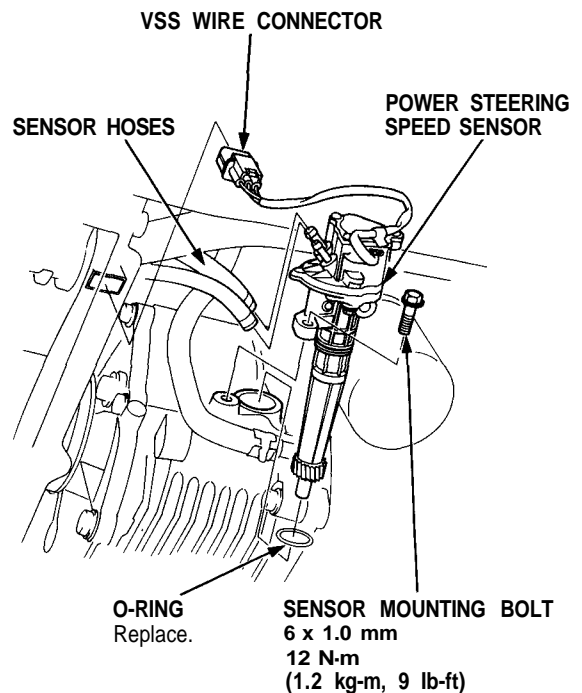
4. Attach the spring scale to the steering wheel. With the engine idling and the car on a clean, dry floor, pull the scale as shown and read it as soon as the tires begin to turn.



- If the scale reads a normal 40 N (4.0 kg, 8.8 lbs), or more, the assist problem at high speeds is being caused by reduced power steering speed sensor output. Replace the power steering speed sensor.
- If the scale reads less than 40 N (4.0 kg, 8.8 lbs), the power steering speed sensor is OK and the problem is in the sensor feed line, the pump, or the valve body unit. See if the feed line is pinched or bent then check pump.
- See General Troubleshooting (see page 17-12).

## Power Steering Speed Sensor Replacement

1. Remove the rear mount bracket stay (see [section 14](#)).
2. Disconnect the Vehicle Speed Sensor (VSS) wire connector from the power steering speed sensor.
3. Remove the sensor mounting bolt and pull the power steering speed sensor from the differential housing.
4. Disconnect the sensor hoses and plug the fittings.



5. After installing a new power steering speed sensor, turn the steering wheel lock-to-lock with the engine idling to bleed air from the system.
6. Check the reservoir and add fluid if necessary (see page 17-18).