

Electrical Troubleshooting ('97 Model)

Troubleshooting Flowchart — Countershaft Speed Sensor

- OBD II Scan Tool indicates Code P0720.
- Self-diagnosis **D₂** indicator light blinks nine times.

- | Possible Cause |
|------------------------------------------------------------------|
| • Loose or faulty connection between the PCM and vehicle harness |
| • Disconnected countershaft speed sensor connector |
| • Short or open in countershaft speed sensor wire |
| • Faulty countershaft speed sensor |

Check and record the freeze data in case it is needed later for problem verification.

If the Honda PGM Tester is available:

Connect the Honda PGM Tester, and test-drive the vehicle with the tester in Data Link or Snapshot mode. Make sure the countershaft speed sensor reads the same as the vehicle speed sensor (VSS).

Do both sensors read the same speed?

YES

The countershaft speed sensor is OK at this time. Verify that all connectors in the circuit are making good contact.

NO

Check the countershaft speed sensor installation, and check it for damage.

Is the countershaft speed sensor installed properly, and not damaged?

NO

Reinstall or replace and recheck.

YES

Measure Countershaft Speed Sensor Resistance at the Sensor Connector:

1. Disconnect the 2P connector from the countershaft speed sensor connector.
2. Measure the resistance of the countershaft speed sensor.

Is the resistance 400 – 600 Ω?

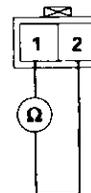
NO

Replace the countershaft speed sensor.

YES

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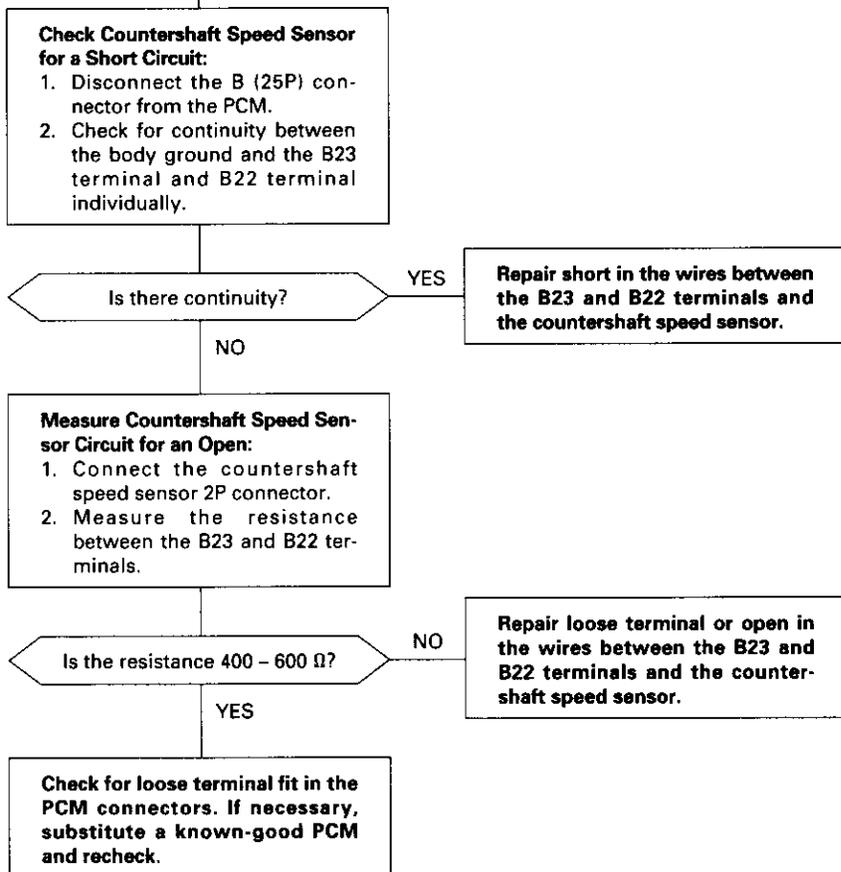
COUNTERSHAFT SPEED SENSOR CONNECTOR



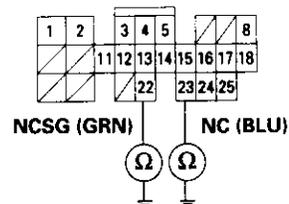
Terminal side of male terminals



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PCM CONNECTOR B (25P)



Wire side of female terminals

