

Electrical Troubleshooting

Troubleshooting Flowchart (cont'd)

Self-diagnosis **D4** indicator light blinks nine times.

Is the countershaft speed sensor installed properly?

YES

Disconnect the 3P connector from the countershaft speed sensor connector.

Measure the resistance of the countershaft speed sensor.

Is the resistance 400–600 Ω (at 70°F, 20°C)

YES

Disconnect the E (26P) connector from the PCM. Connect the Test Harness "A" connector to the wire harness only, not to the PCM (page 14-48 and 49).

Check for continuity between body ground and A9 terminal and A10 terminal individually.

Is there continuity?

NO

Reconnect the countershaft speed sensor connector.

Measure the resistance between A9 and A10 terminals.

Is the resistance 400–600 Ω (at 70°F, 20°C)

YES

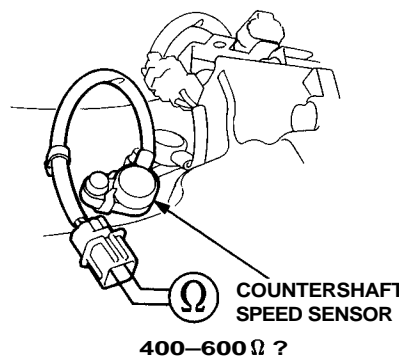
Check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.

Possible Cause

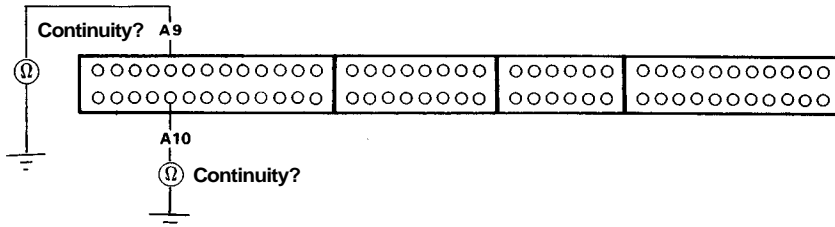
- Loose or faulty connection between the PCM and car harness
- Disconnected countershaft speed sensor connector
- Short or open in the countershaft speed sensor wire
- Faulty countershaft speed sensor.

Reinstall and recheck.

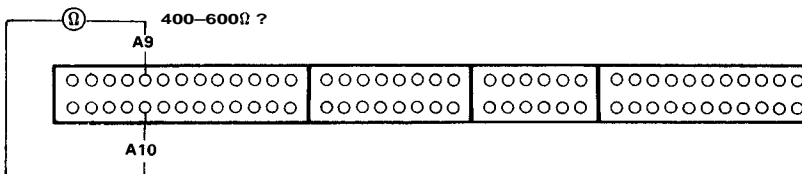
Replace the countershaft speed sensor.



NOTE: The section A of the Test Harness with the Test Harness Adapter corresponds to the E (26P) connector of the PCM.



Repair short in BLU/GRN or BLU/YEL wire between the countershaft speed sensor and body ground.



Repair open in BLU/YEL or BLU/GRN wire between E (26P) connector and the countershaft speed sensor.