Electrical Troubleshooting

Troubleshooting Flowchart — Vehicle Speed Sensor (VSS)

- **OBD II Scan Tool indicates Code P1791.**
- **Self-diagnosis D4 indicator light blinks four times.**

Possible Cause

- **Disconnected vehicle speed sensor (VSS) connector**
- **Short or open in VSS wire**
- **Faulty VSS**

Check that the speedometer operates correctly.

Does the speedometer operate?

NO → **Refer to section 23 for vehicle speed sensor (VSS) test.**

YES

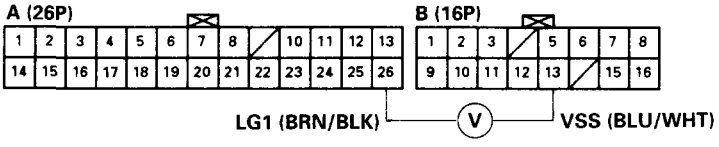
Check the VSS Voltage:

1. Turn the ignition switch OFF.
2. Raise the vehicle.
3. Shift the transmission to N position.
4. Disconnect the A (26P) and B (16P) connectors from the PCM.
5. Turn the ignition switch ON (II).
6. Rotate the front wheel and check for the voltage between the B13 and A26 terminals. NOTE: Block the other wheel so it does not turn or you will get incorrect test results.

WARNING

- **Make sure lifts, jacks and safety stands are placed properly (see section 1).**
- **Set the parking brake securely, and block the rear wheels.**
- **Jack up the front of the vehicle, and support it with safety stands.**

PCM CONNECTORS



Wire side of female terminals

Does 0 V and approx. 5 V or more appear alternately?

NO → **Check for open in the wire between the B13 terminal and the vehicle speed sensor (VSS). If wire is OK, check the VSS (see section 23).**

YES

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