

DTC93: Throttle Position Sensor/Steering Angle Sensor

NOTE: When both the VSA indicator and the MIL are ON, troubleshoot the PGM-FI system first.

Check for an open in the THL1 circuit:

1. Turn the ignition switch ON (II).
2. Measure the voltage between the VSA converter unit 26P connector terminal No. 7 and body ground when the throttle valve is fully closed and fully open.

Is the voltage as specified?
— Fully closed: about 0.5 V
— Fully open: about 4.5 V

NO

Repair open in the wire between the PCM and the VSA converter unit.

YES

Check the steering angle sensor 4P connector connection.

Is the connector disconnected?

YES

Connect the steering angle sensor 4P connector.

NO

Check for an open in the steering angle sensor circuits:

1. Turn the ignition switch OFF.
2. Disconnect the VSA control unit 42P connector and the steering angle sensor 4P connector.
3. Check for continuity between the VSA control unit 42P connector terminal No. 39 and the steering angle sensor 4P connector terminal No. 4.
4. Check for continuity between the VSA control unit 42P connector terminal No. 21 and the steering angle sensor 4P connector terminal No. 1.
5. Check for continuity between the VSA control unit 42P connector terminal No. 24 and the steering angle sensor 4P connector terminal No. 2.
6. Check for continuity between the VSA control unit 42P connector terminal No. 40 and the steering angle sensor 4P connector terminal No. 3.

Is there continuity?

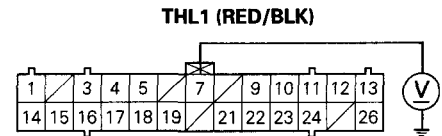
NO

Repair open in the wire between the steering angle sensor and the VSA control unit.

YES

- The system is OK at this time.
- If the problem recurs, replace the VSA converter unit.

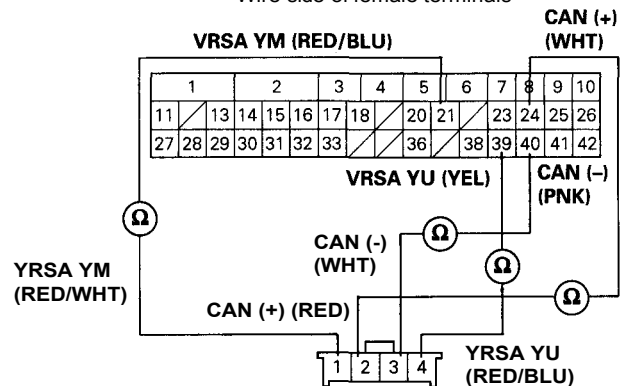
VSA CONVERTER UNIT 26P CONNECTOR



Wire side of female terminals

VSA CONTROL UNIT 42P CONNECTOR

Wire side of female terminals



STEERING ANGLE SENSOR 4P CONNECTOR

Wire side of female terminals