

Vehicle Speed Sensor (VSS)

Troubleshooting

Before testing, inspect the No. 13 (7.5 A) fuse in the under-dash fuse/relay box.

Test the YEL wire:

1. Disconnect the 3P connector from the vehicle speed sensor.
2. Connect the test harness (07LAJ - PT30200A) only to the VSS sub-harness.
3. Connect the Whitest harness clip to the positive probe of a voltmeter.
4. Turn the ignition switch ON (II).

Is there battery voltage?

NO

Repair open in the YEL wire between the VSS and under-dash fuse/relay box.

YES

Test the BLU/WHT wire:

1. Disconnect the WHT test harness clip.
2. Connect the GRN test harness clip to the positive probe of a voltmeter.

Is there 5 V or more?

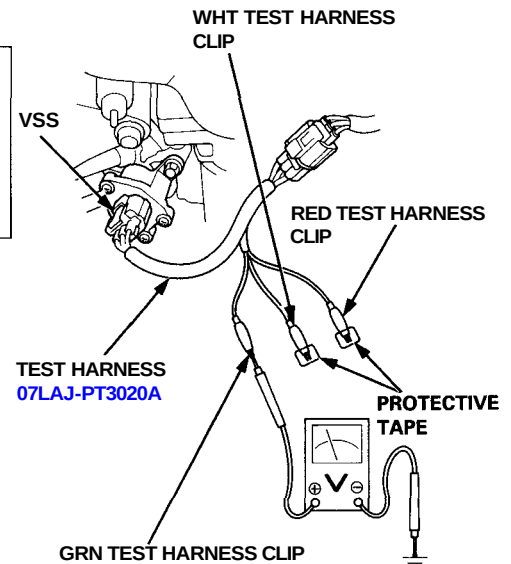
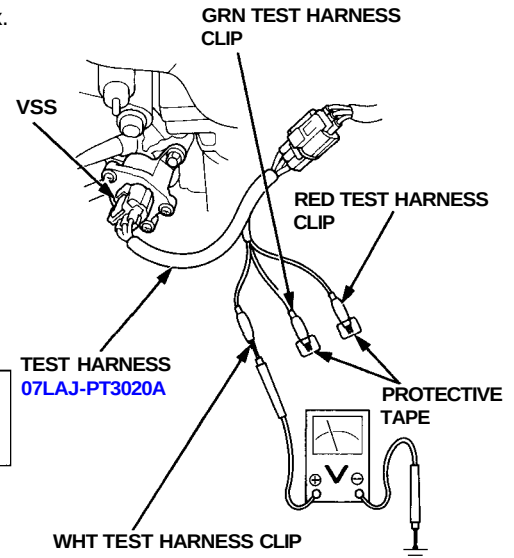
NO

Repair short in the BLU/WHT wire between the VSS and
 — PCM,
 — cruise control unit,
 — steering column control unit,
 — multiplex control unit (driver's),
 — navigation control unit.

YES



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**Test the GRN/BLU wire:**

1. Turn the ignition switch OFF.
2. Disconnect the test harness.
3. Disconnect the PCM 22P connector.
4. Check for continuity between the PCM 22P connector No. 22 terminal and VSS 3P connector No. 1.

Is there continuity?

NO

Repair open in the GRN/BLU wire between the VSS and PCM.

YES

Test the VSS:

1. Turn the ignition switch OFF.
2. Raise the front of the vehicle, and support it with safety stands.
3. Put the vehicle in neutral with the ignition switch ON (II).
4. Slowly rotate one wheel with the other wheel blocked.

Does voltage pulse from 0 to approx. 5 V or more?

NO

Replace the VSS.

YES

Speedometer Test:

1. Disconnect the 22P connector "A" from the gauge assembly.
2. Touch a probe to the BLU/WHT wire, and connect it to body ground through a voltmeter.
3. Slowly rotate one wheel with the other wheel blocked.

Does the meter indicate pulsing voltage?

NO

Repair open in the BLU/WHT wire between the VSS and the speedometer.

YES

Replace the speedometer.

PCM CONNECTOR D (22P)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22

Wire side of female terminals

(GRN/BLK)



(GRN/BLU)

1	2	3
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Wire side of female terminals

VSS 3P CONNECTOR**GAUGE ASSEMBLY 22P CONNECTOR "A"**

1	2	3	4	5			6	7	8	9	10	
11	12	13	14	15	16		17	18	19	20	21	22

Wire side of female terminals



(BLU/WHT)