2000-06 ACCESSORIES & EQUIPMENT

Gauges - Insight

COMPONENT LOCATION INDEX

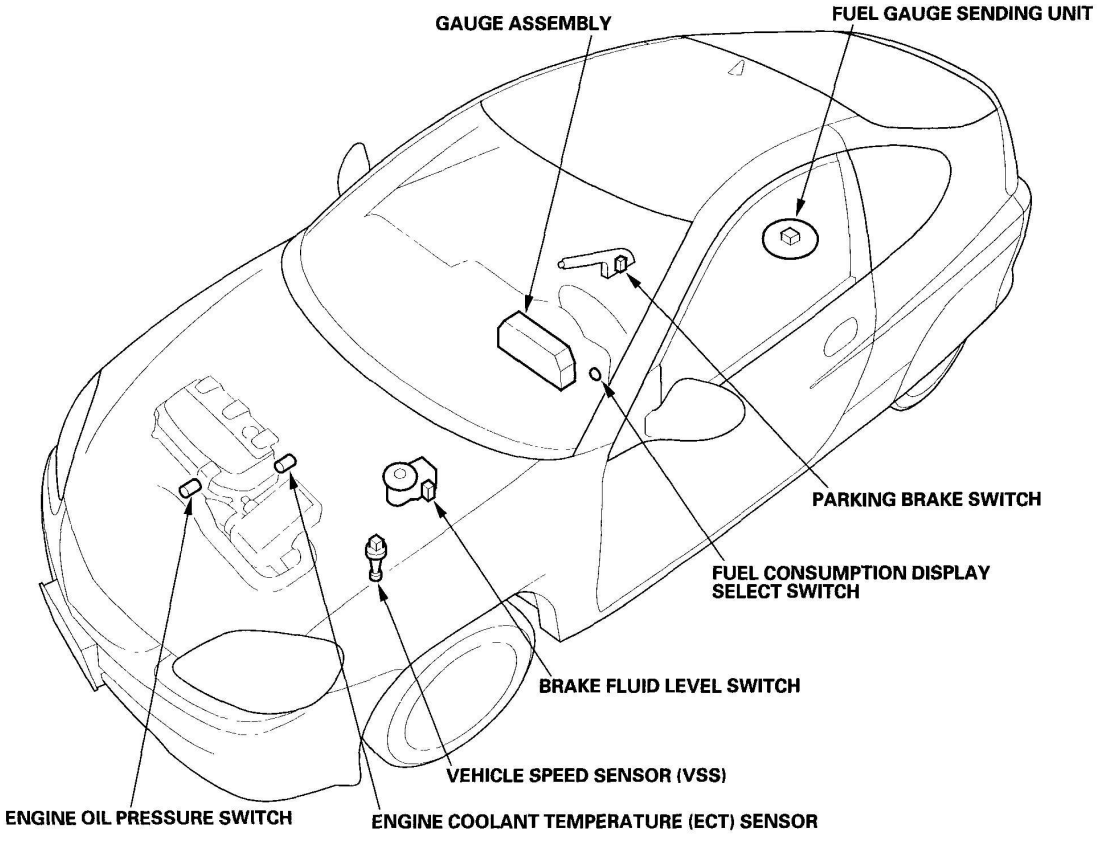

Fig. 1: Identifying Gauges Component Location
Courtesy of AMERICAN HONDA MOTOR CO., INC.

GAUGE/TERMINAL LOCATION INDEX:

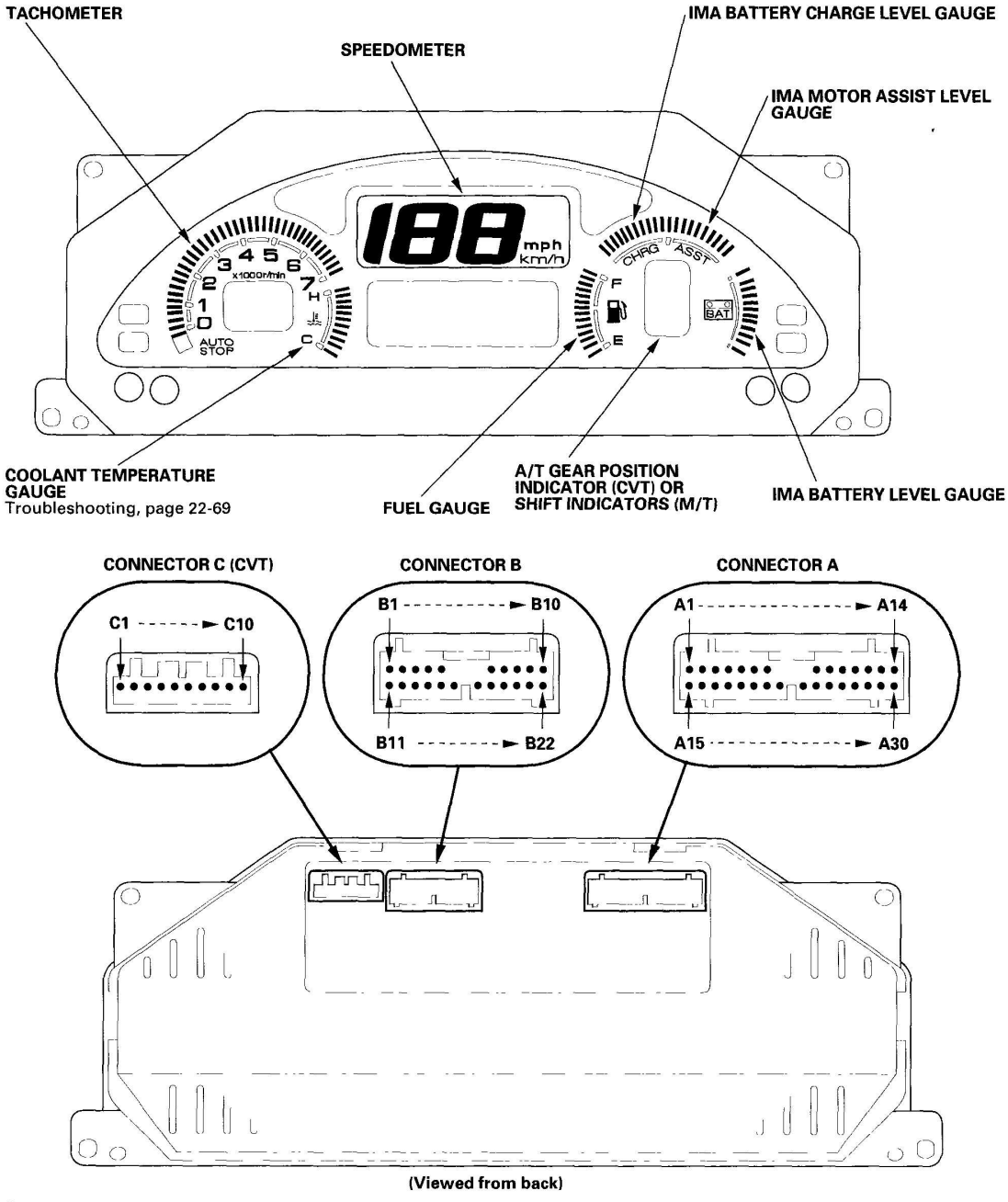

Fig. 2: Identifying Gauge/Terminal Location
Courtesy of AMERICAN HONDA MOTOR CO., INC.

GAUGE BULB REPLACEMENT

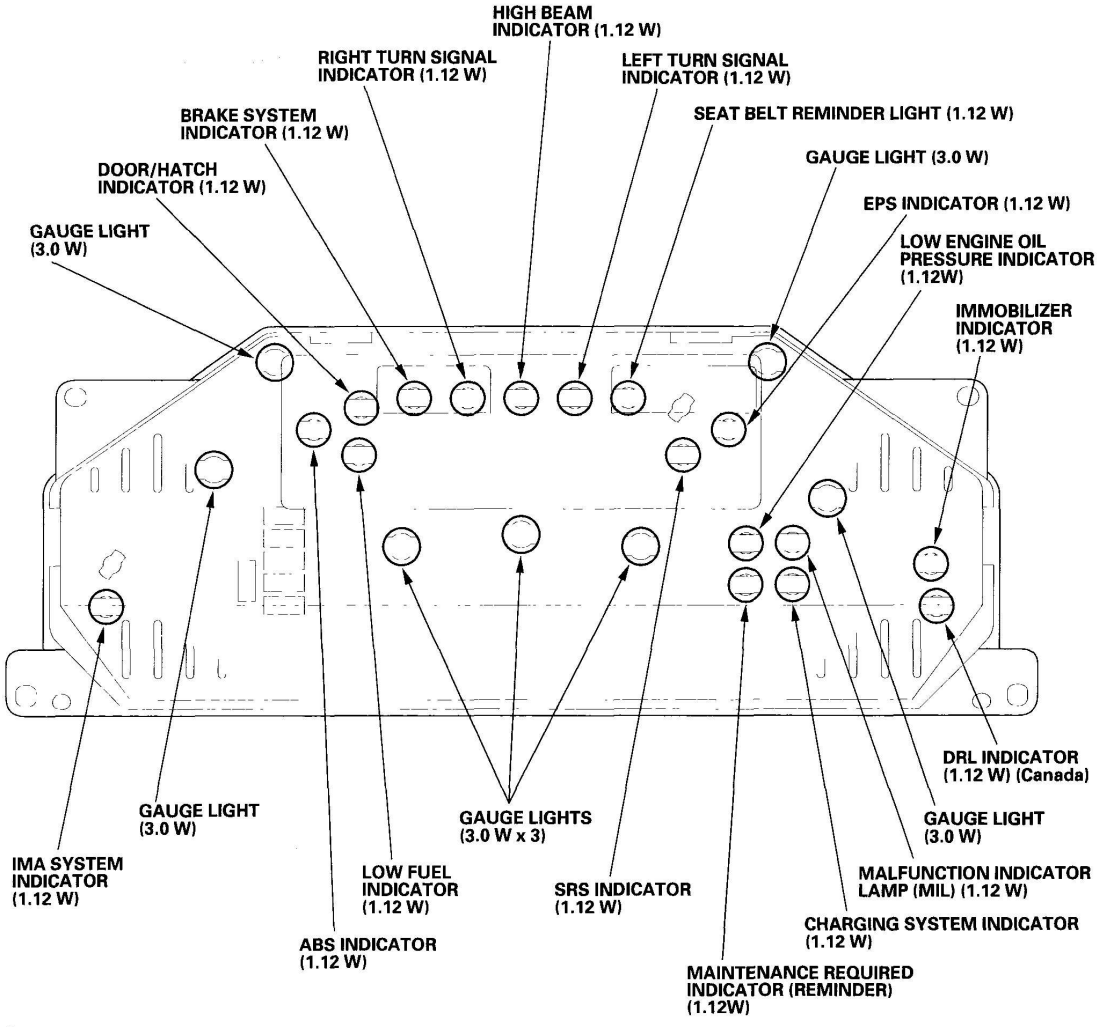

Fig. 3: Identifying Gauge Bulbs
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM

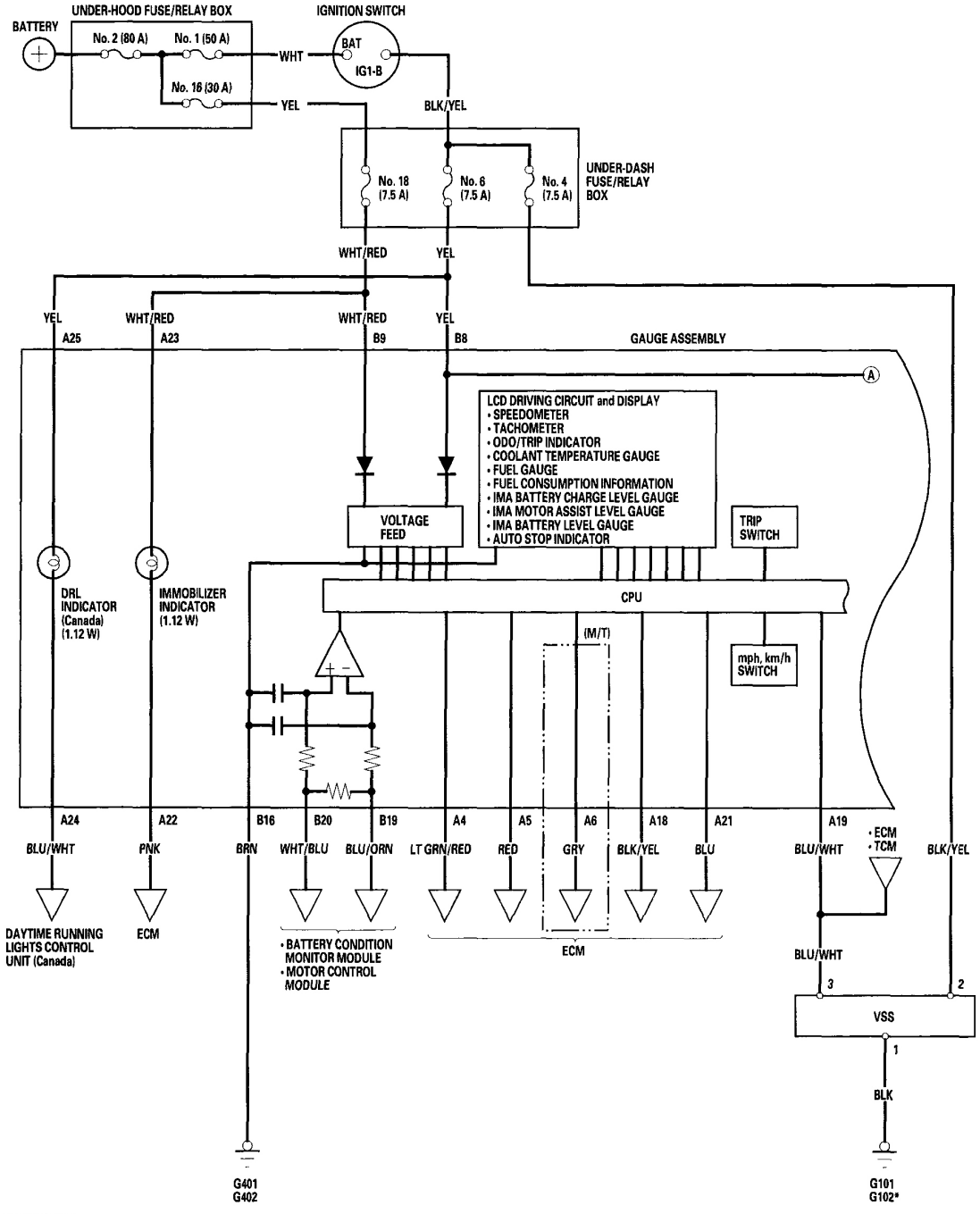

Fig. 4: Identifying Gauges Circuit Diagram (1 Of 4)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

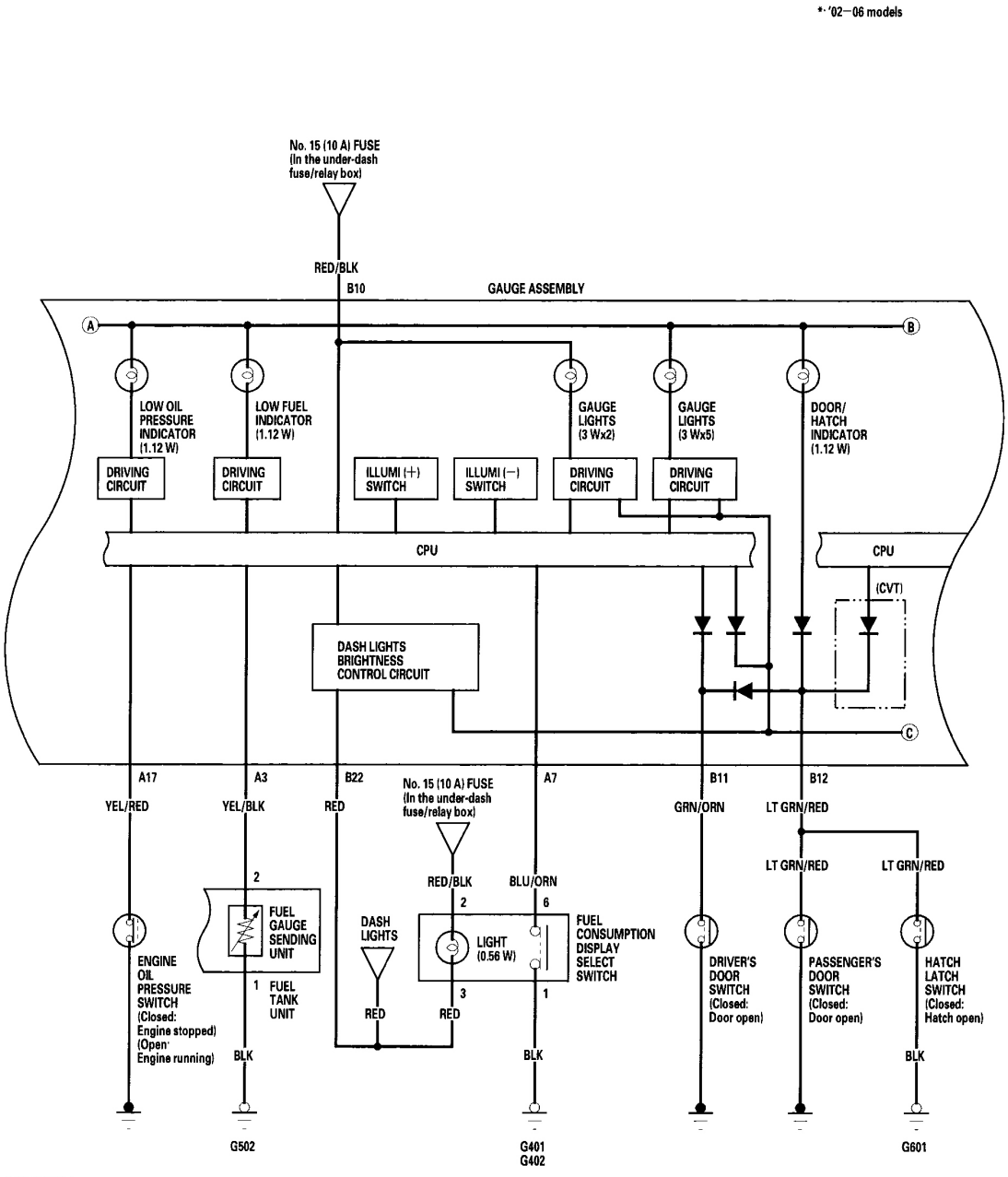

Fig. 5: Identifying Gauges Circuit Diagram (2 Of 4)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

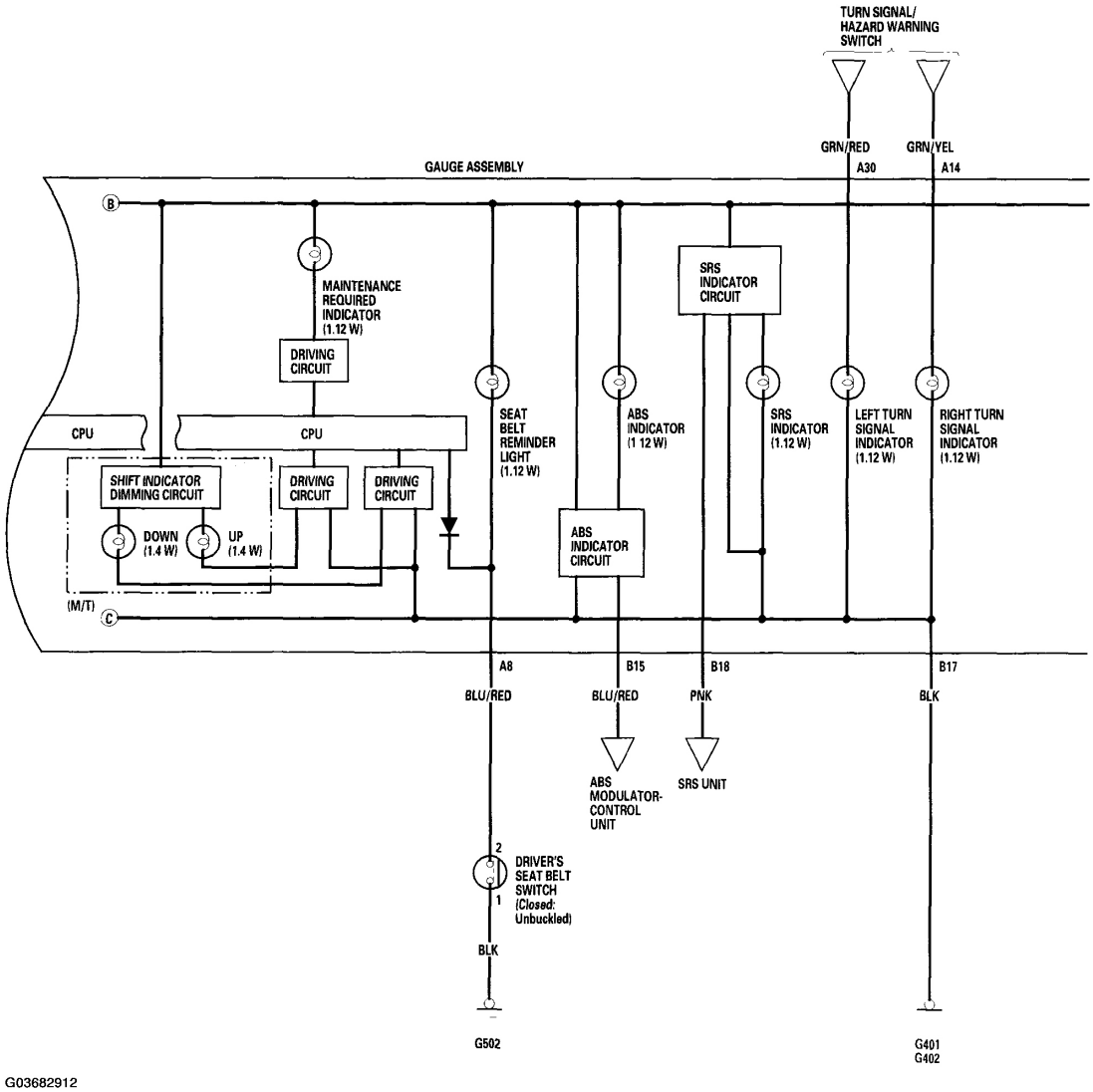

Fig. 6: Identifying Gauges Circuit Diagram (3 Of 4)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

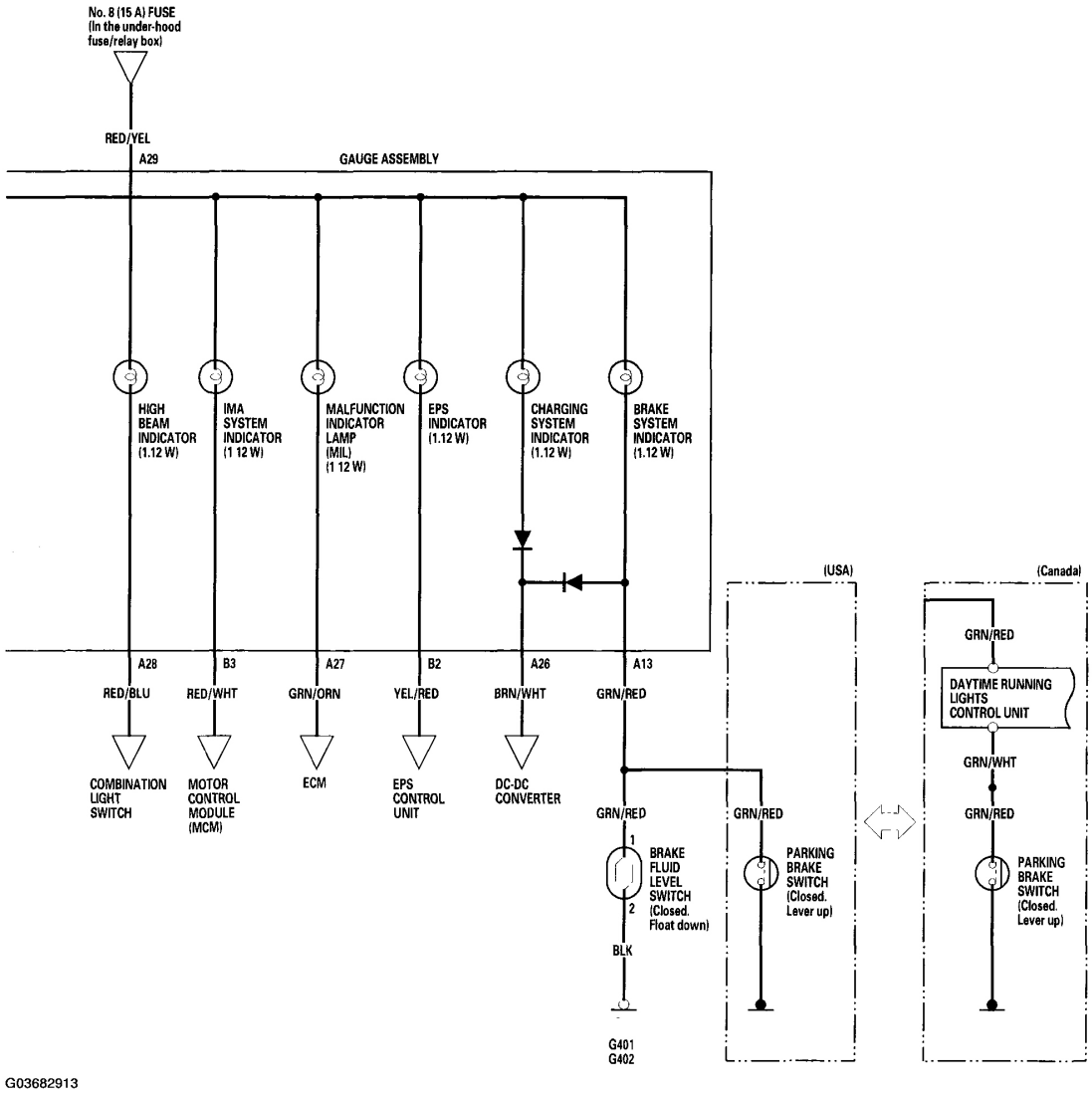

Fig. 7: Identifying Gauges Circuit Diagram (4 Of 4)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

GAUGE ASSEMBLY REPLACEMENT

NOTE: If the IMA battery level gauge (BAT) indicates zero in the following cases:

- **When the battery is removed**
- **When the gauge assembly is removed**
- **When the No. 16 (30 A) fuse in the under-hood**

fuse/relay box or No. 18 (7.5 A) fuse in the under-dash fuse/relay box is removed

Remove the No. 15 (40 A) fuse in the under-hood fuse/relay box.

Start the engine, and hold it between 3,500 rpm and 4,000 rpm without load (in Park or neutral) until the BAT indicates at least three segments.

Then reinstall the No. 15 (40 A) fuse.

1. Remove the instrument panel (see **INSTRUMENT PANEL REMOVAL/INSTALLATION**).
2. Remove the screws from the gauge assembly (A), and spread a protective cloth (B) on the upper column cover.

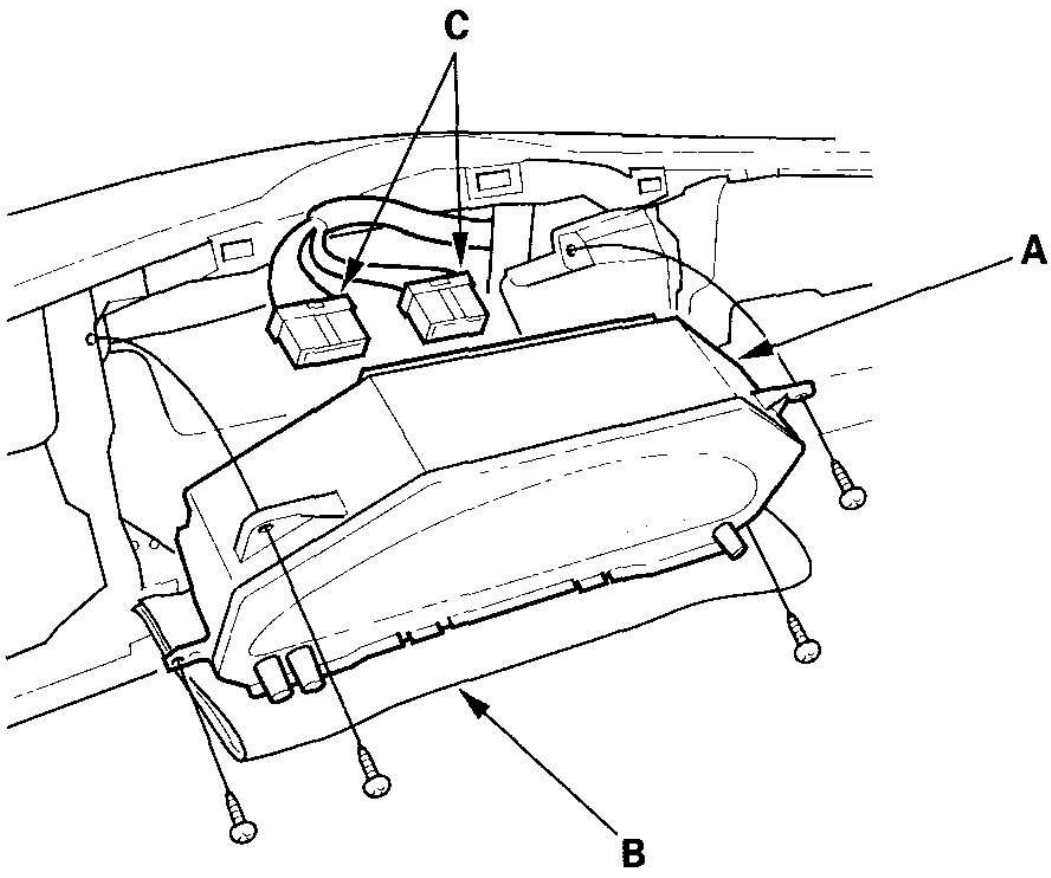

Fig. 8: Removing Screws From Gauge Assembly
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the connectors (C), and remove the gauge assembly.
4. Install in the reverse order of removal.

VSS REPLACEMENT

1. Disconnect the 3P connector (A) from the VSS (vehicle speed sensor) (B).

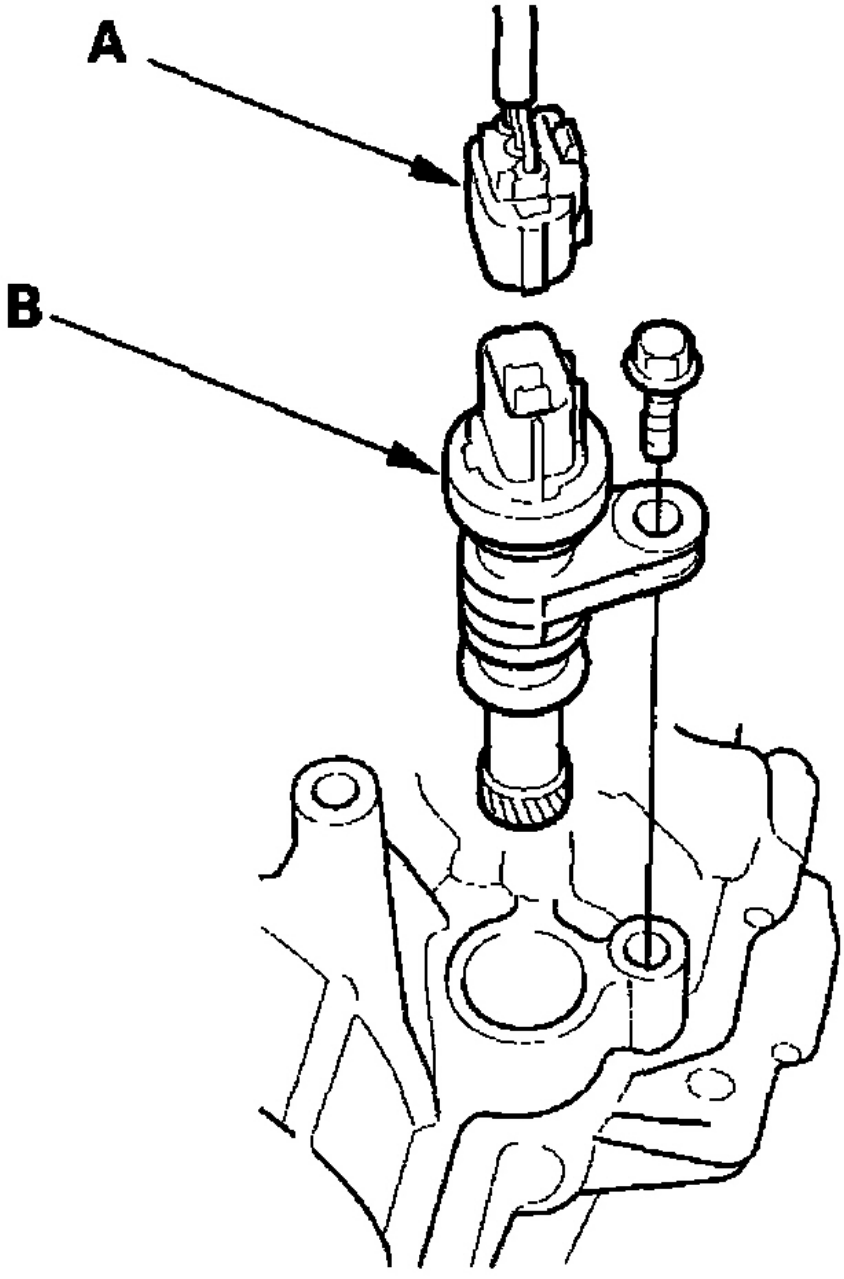

Fig. 9: Disconnecting Connectors from VSS
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the mounting bolt, then remove the VSS.
3. Install in the reverse order of removal.

VEHICLE SPEED SIGNAL CIRCUIT TROUBLESHOOTING

Special Tools Required

Test Harness 07LAJ-PT3020A

Before testing, inspect the No. 4 (7.5 A) fuse in the under-dash fuse/relay box.

1. Disconnect the 3P connector from the VSS (vehicle speed sensor) (A).

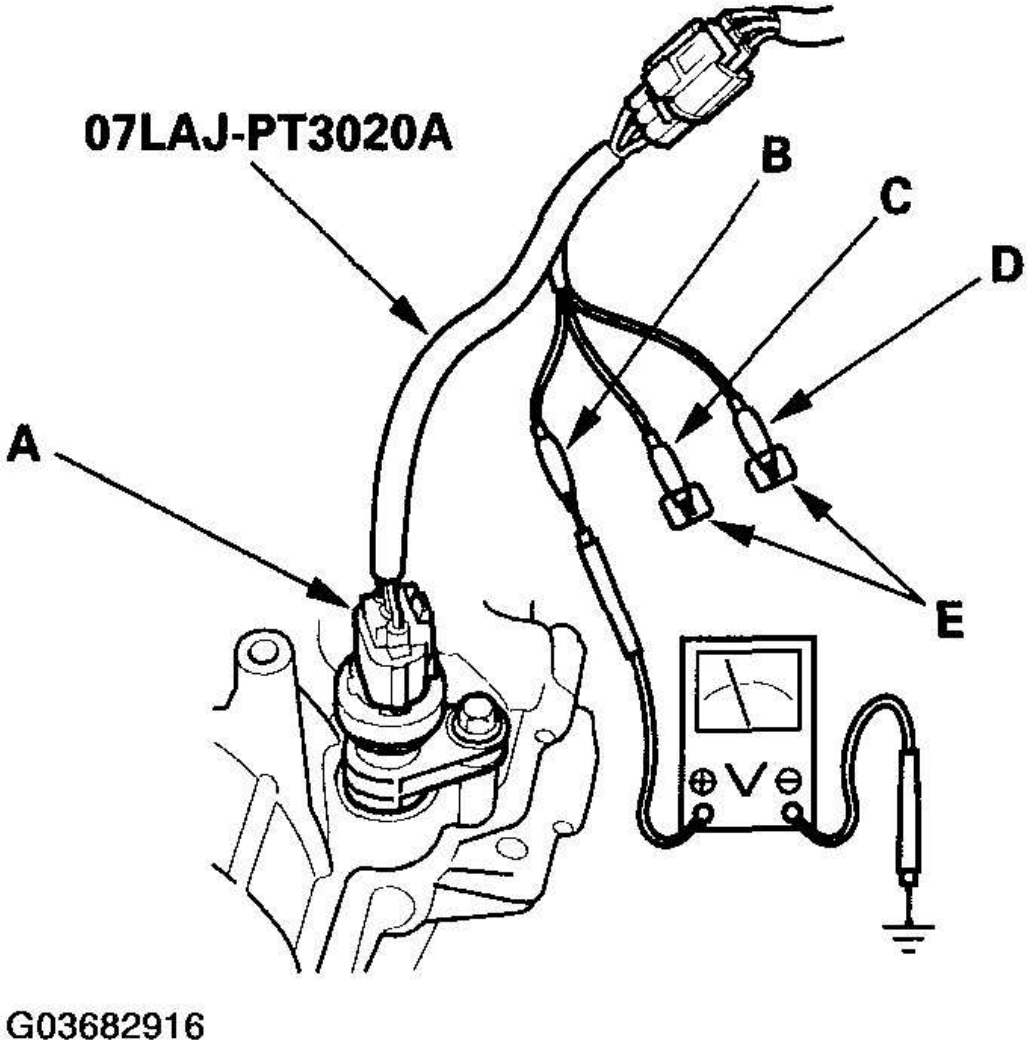

Fig. 10: Disconnecting 3P Connector From VSS
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Connect the test harness only to the engine wire harness and the VSS.
3. Connect the RED test harness clip (B) to the positive probe of an ohmmeter. Cover the WHT (C) and GRN (D) test harness with protective tape (E).
4. Turn the ignition switch ON (II).
5. Check for voltage between the RED test harness clip and body ground.

Is there less than 1 V?

YES -Go to step 6.

NO -Repair open or loose connection on the BLK wire between the VSS and body ground (G101, G102*).

*: '02-06 models

6. Turn the ignition switch OFF.
7. Connect the WHT test harness clip (A) to the positive probe of a voltmeter, and connect the RED test harness clip (B) to the negative probe.

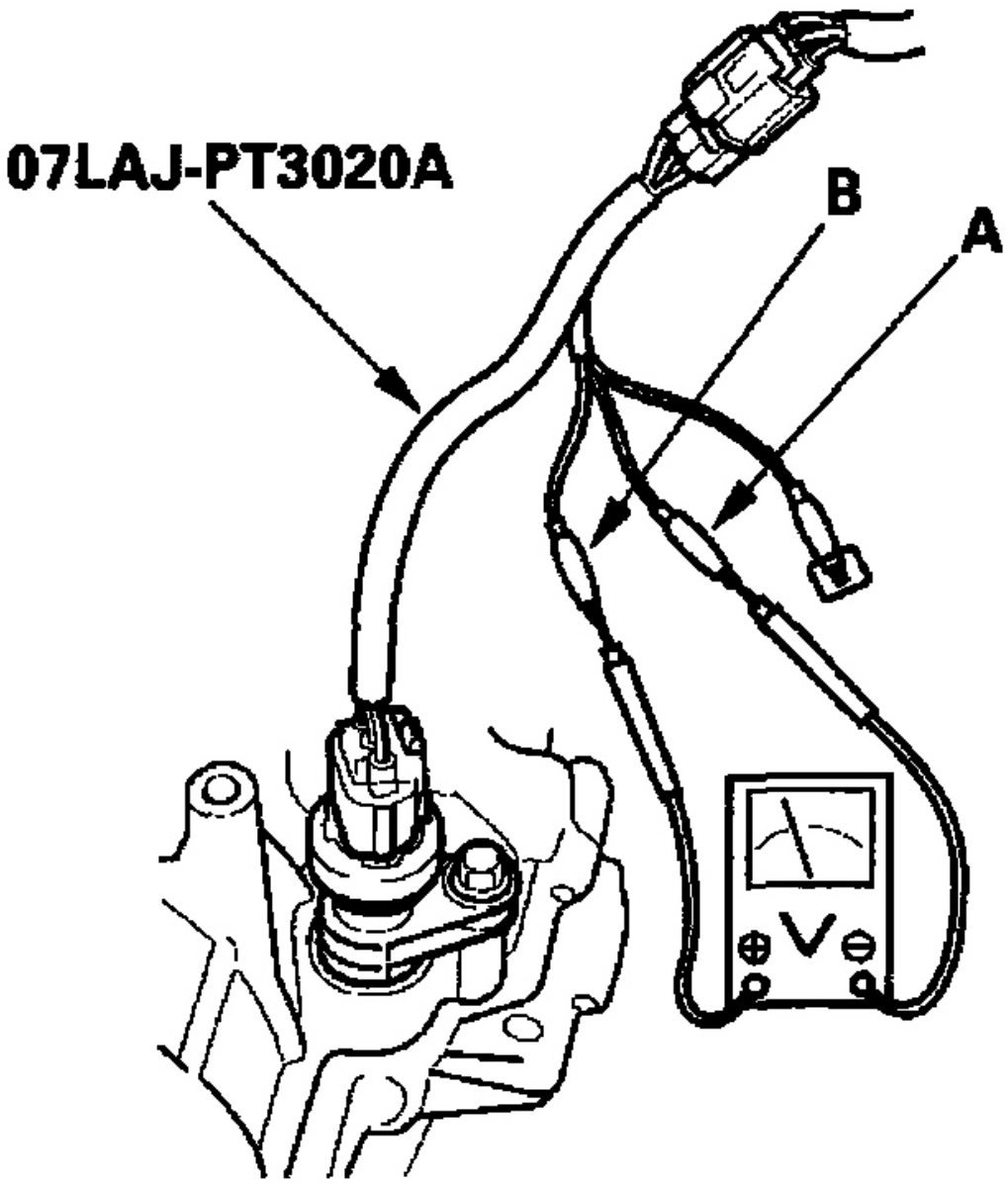

Fig. 11: Connecting WHT Test Harness Clip And RED Test Harness Clip
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Turn the ignition switch ON (II).

Is there battery voltage?

YES -Go to step 9.

NO -Repair open in the BLK/YEL wire between the VSS and the under-dash fuse/relay box.

9. Disconnect the WHT test harness clip (A).

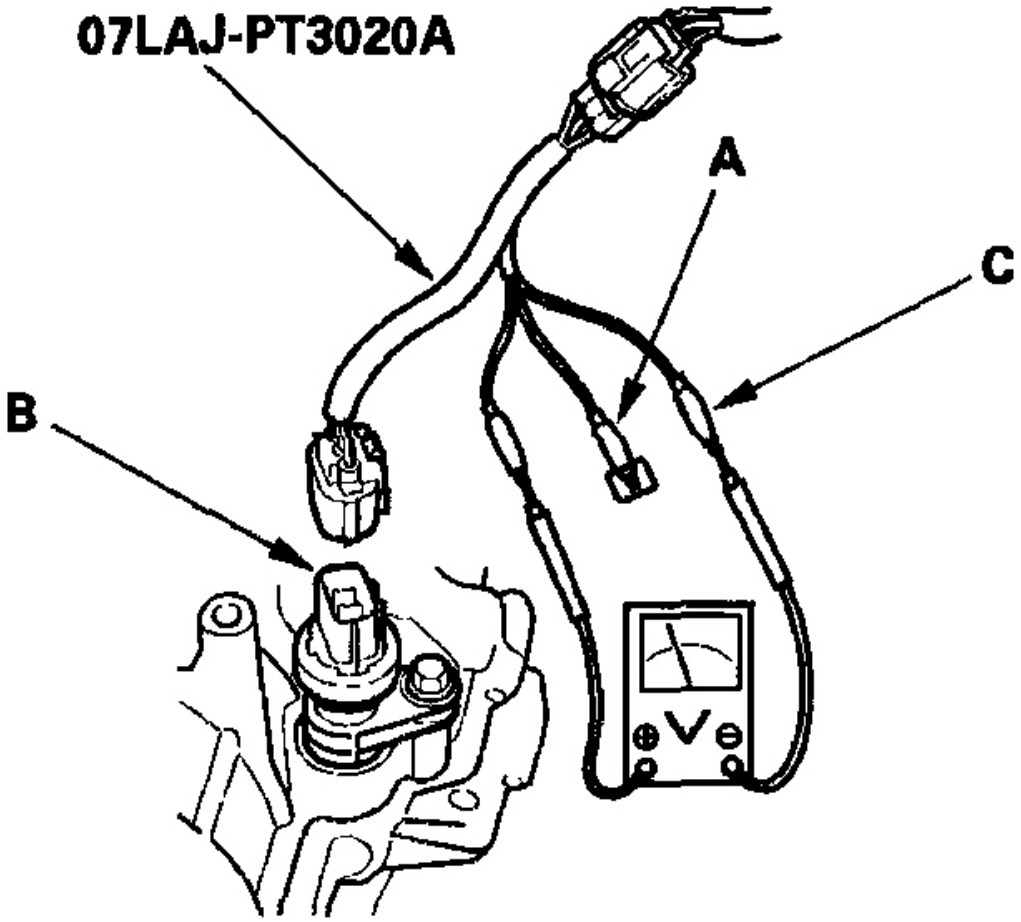

Fig. 12: Disconnecting WHT Test Harness Clip
Courtesy of AMERICAN HONDA MOTOR CO., INC.

10. Disconnect the test harness from the VSS (B).
11. Connect the GRN test harness clip (C) to the positive probe of a voltmeter.

    Is there 5 V or more?

    YES -Go to step 12.

    NO -Repair short in the BLU/WHT wire between the VSS and the ECM.
12. Turn the ignition switch OFF.
13. Connect the other test harness connector (A) to the VSS (B).

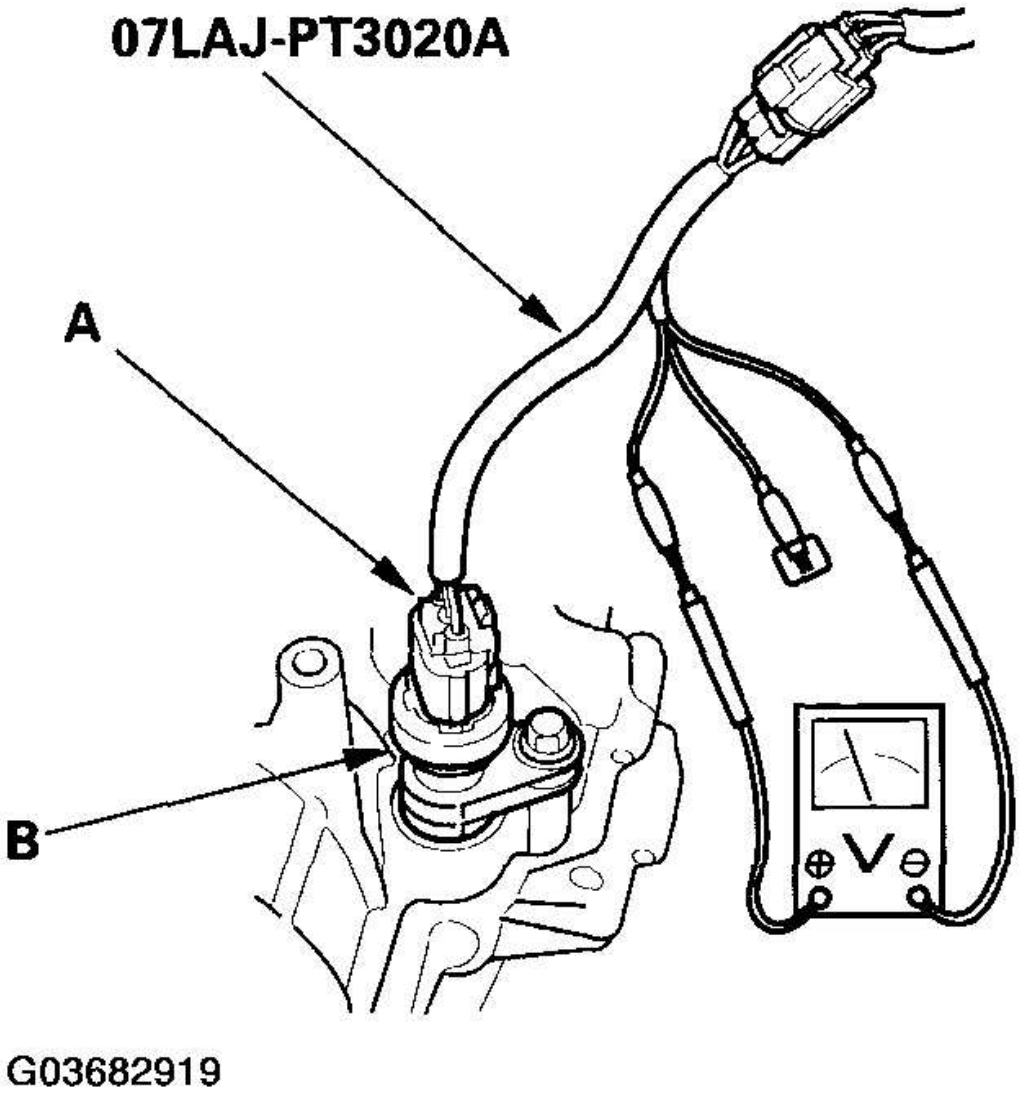

Fig. 13: Connecting Other Test Harness Connector To VSS
Courtesy of AMERICAN HONDA MOTOR CO., INC.

14. Raise the front of the vehicle, and make sure it is securely supported.
15. Put the vehicle in neutral with the ignition switch ON (II).
16. Slowly rotate one wheel with the other wheel blocked.

Does voltage pulse from 0 to about 5 V or more?

YES -Go to step 17.

NO -Replace the VSS.

17. Disconnect gauge assembly connector A (30P).
18. Connect a voltmeter between the BLU/WHT wire and body ground.

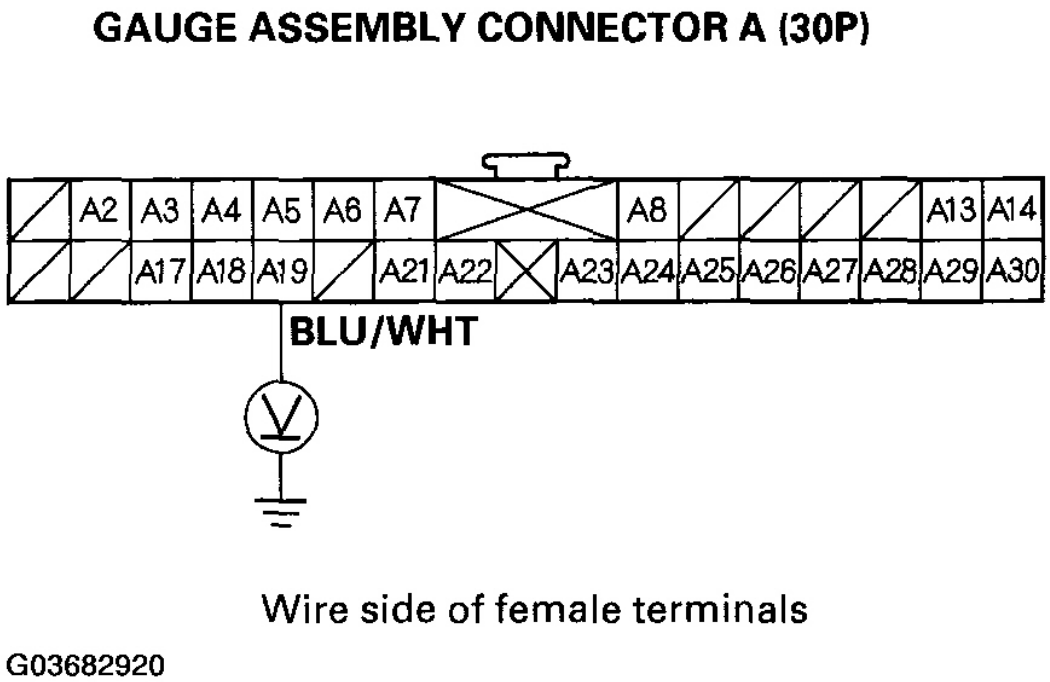

Fig. 14: Connecting A Voltmeter Between BLU/WHT Wire And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

19. Slowly rotate one wheel with the other wheel blocked.

Does the meter indicate pulsing voltage?

YES -Replace the speedometer.

NO -Repair open in the BLU/WHT wire between the VSS and the speedometer.

FUEL CONSUMPTION DISPLAY SELECT SWITCH TEST/REPLACEMENT

1. Remove the instrument panel (see **INSTRUMENT PANEL REMOVAL/INSTALLATION**).
2. Disconnect the 6P connector (A) from the switch (B).

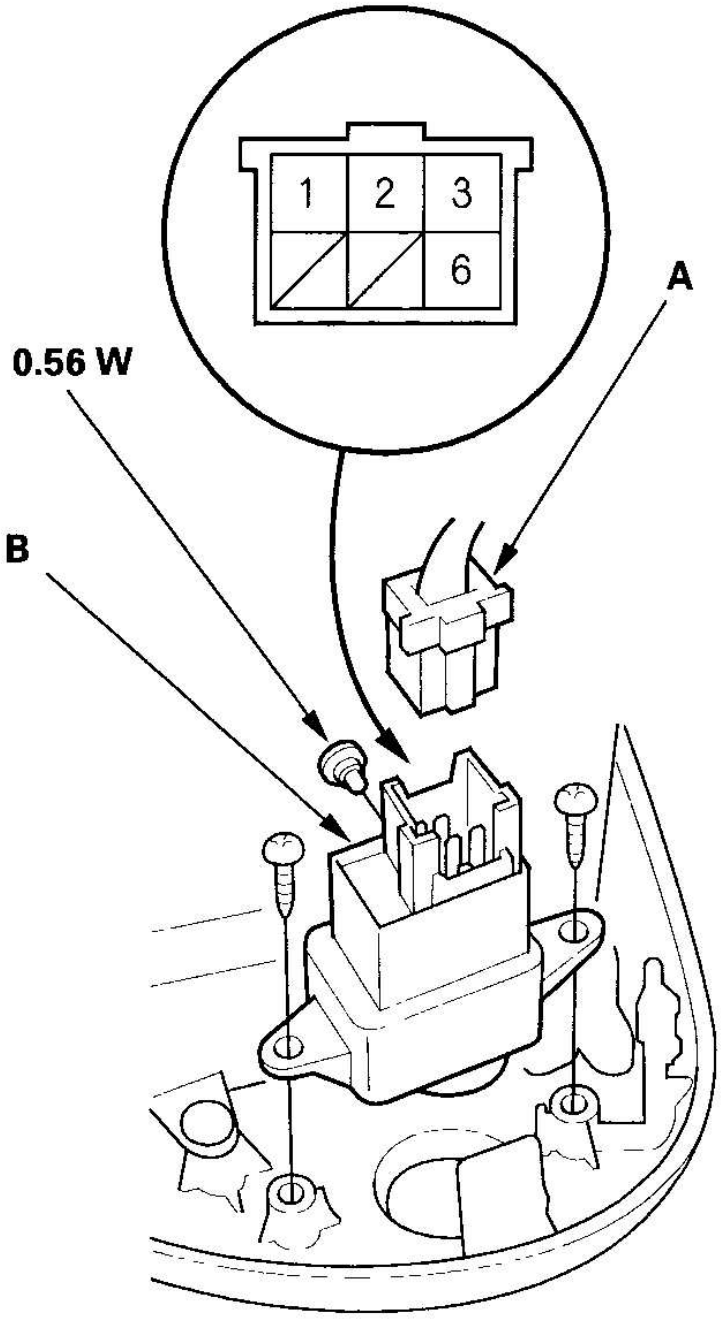

Fig. 15: Disconnecting 6P Connector From Switch
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the two screws and the switch.
4. Check for continuity between the No. 6 and No. 1 terminals when the switch is pushed. There should be continuity.
5. If the continuity check is not as specified, replace the switch.

COOLANT TEMPERATURE GAUGE TROUBLESHOOTING

Before testing, check the No. 6 (7.5 A) fuse and No. 18 (7.5 A) fuse in the under-dash fuse/relay box.

1. Start the engine and check the Malfunction Indicator Lamp (MIL).

   Does the MIL come on?

   YES -Troubleshooting the DTC (see **GENERAL TROUBLESHOOTING INFORMATION**), and recheck.

   NO -Inspect the connector and socket terminals of the gauge assembly connectors. If the terminals look OK, replace the printed circuit board in the gauge assembly.