

Electrical Troubleshooting

Troubleshooting Flowchart — A/T Clutch Pressure Control Solenoid Valve

- OBD II Scan Tool indicates Code P1768.
- Self-diagnosis  indicator light indicates Code 16.

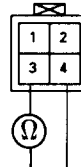
Measure A/T clutch pressure control solenoid valve Resistance at Solenoid Connector:

1. Disconnect the shift solenoid valve/A/T clutch pressure control solenoid valve harness 4P connector.
2. Measure the resistance of the A/T clutch pressure control solenoid valve.

Possible Cause

- Disconnected A/T clutch pressure control solenoid valve connector
- Short or open in A/T clutch pressure control solenoid valve wire
- Faulty A/T clutch pressure control solenoid valve
- Open VB SOL line

SHIFT SOLENOID VALVE/A/T CLUTCH PRESSURE CONTROL SOLENOID VALVE HARNESS 4P CONNECTOR



Terminal side of male terminals

Is the resistance approx. 5 Ω?

NO

Replace the A/T clutch pressure control solenoid valve.

YES

Check A/T Clutch Pressure Control Solenoid Valve for a Short Circuit:

1. Disconnect the E (26P) connector from the PCM.
2. Check for continuity between body ground and the E16 terminal and E3 terminal individually.

Is there continuity?

YES

Repair short in the wires between the E16 and E3 terminals and the A/T clutch pressure control solenoid valve.

NO

Measure A/T Clutch Pressure Control Solenoid Valve Resistance:

1. Connect the shift solenoid valve/A/T clutch pressure control solenoid valve harness 4P connector.
2. Measure the resistance between the E16 and E3 terminals.

Is the resistance approx. 5 Ω?

NO

Repair loose terminal or open in the wires between the E16 and E3 terminals and the A/T clutch pressure control solenoid valve.

YES

Check the VB SOL Voltage:

1. Disconnect the A (26P) and E (26P) connectors from the PCM.
2. Turn the ignition switch ON (II).
3. Measure the voltage between the E1 and A26 terminals.

Is there voltage?

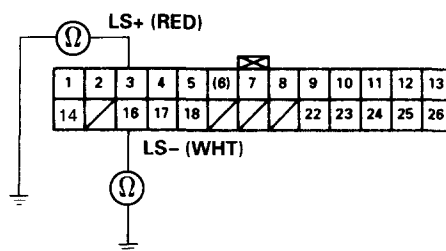
NO

Check for open in the wire between the E1 terminal and the under-hood fuse/relay box.

YES

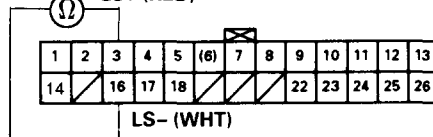
Check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.

PCM CONNECTOR E (26P)



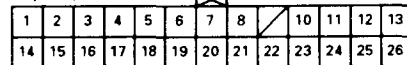
Wire side of female terminals

LS+ (RED)



LS- (WHT)

A (26P)



LG1 (BRN/BLK)

VB SOL (BLK/YEL)

