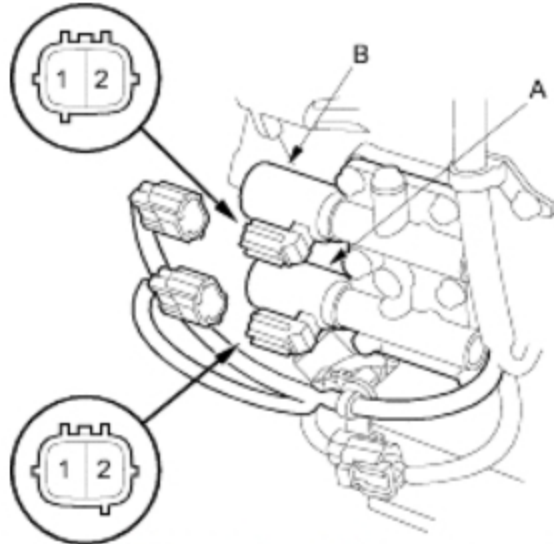
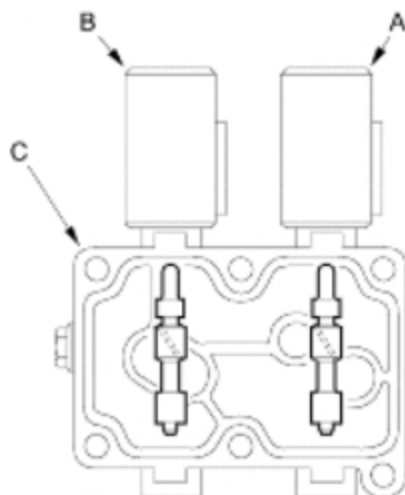


#### A/T Clutch Pressure Control Solenoid Valves A and B Test

1. Disconnect the connectors from the A/T clutch pressure control solenoid valves A and B.



2. Measure the resistance of the A/T clutch pressure control solenoid valves A and B between the No. 1 and No. 2 terminals of each connector.  
**STANDARD: About 5.0 ohm;**
3. If the resistance of either A/T clutch pressure control solenoid is out of standard, replace the A/T clutch pressure control solenoid valves A and B.
4. Connect the No. 1 terminal of the A/T clutch pressure control solenoid valve A (and B) to the battery positive terminal and connect the No. 2 terminal to the battery negative terminal. A clicking sound should be heard.
5. If no sound is heard, remove the A/T clutch pressure control solenoid valves A and B.
6. Check the fluid passage of the A/T clutch pressure control solenoid valve for dust and dirt.
7. Connect the No. 1 terminal of the A/T clutch pressure control solenoid valves A and B to the battery positive terminal and connect the No. 2 terminal to the battery negative terminal. Make sure the A/T clutch pressure control solenoid valves A and B move.



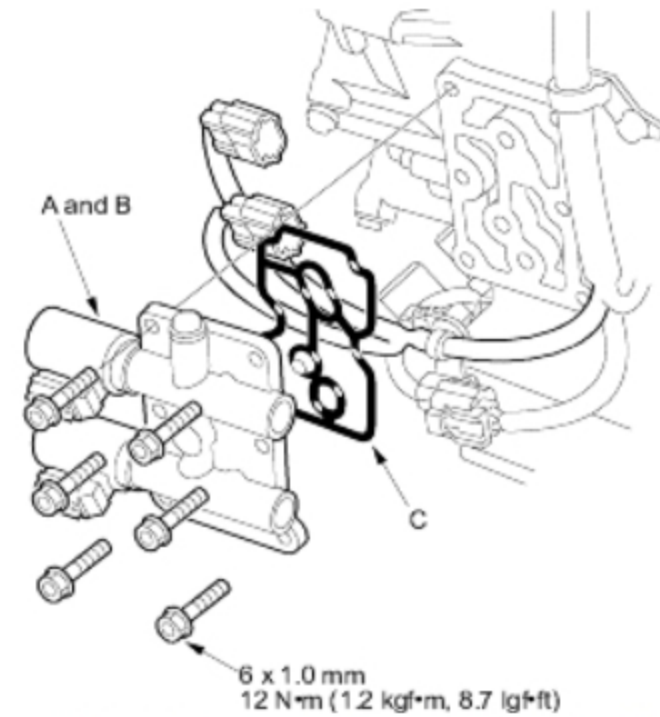
8. Disconnect one of the battery terminal and check valve movement.

NOTE: You can see valve movement through the fluid passage in the mounting surface of the A/T clutch pressure control solenoid valves A and B body (C).

9. If either valve binds or moves sluggishly, or if the A/T clutch pressure control solenoid does not operate, replace the A/T clutch pressure control solenoid valves A and B.

#### A/T Clutch Pressure Control Solenoid Valves A and B Replacement

1. Remove the mounting bolts and the A/T clutch pressure control solenoid valves A and B.



2. Clean the mounting surface and fluid passage of the A/T clutch pressure control solenoid valves A and B and the transmission housing.
3. Install the new filter/gasket (C) in the solenoid valve assembly body groove.
4. Install the new A/T clutch pressure control solenoid valves A and B. Do not pinch the filter/gasket.
5. Check the A/T clutch pressure control solenoid valve connectors for rust, dirt, or oil, then connect them securely.

#### DTC Troubleshooting

##### DTC P0730: Problem in Shift Control System

NOTE: Record all freeze data before you troubleshoot.

1. Check whether the OBD scan tool, PGM Tester or **D** indicator light indicates another code.

*Does the OBD scan tool, PGM Tester or D.gif indicator light indicate another code?*

**YES** - Perform the troubleshooting Flowchart for the indicated Code(s).  
 Recheck for code P0730 after troubleshooting. ■

**NO** - Go to step 2.

NOTE: Do not continue with this troubleshooting until the causes of any other DTCs have been corrected.

2. Measure the 1st, 2nd, 3rd and 4th clutch pressure  
*Is each clutch pressure within the service limit?*

**YES** - Go to step 3.

**NO** - Repair the hydraulic system as necessary. ■

3. Replace the shift solenoid valves A and B
4. Replace the A/T clutch pressure control solenoid valves A and B
5. Turn the ignition switch OFF and reset the PCM memory by removing No.6 ECU (PCM) fuse in the under-hood fuse/relay box for more than 10 seconds.
6. Warm up the engine to normal operating temperature (the radiator fan comes on). If a scan tool or the PGM Tester is available, check to be sure that the engine coolant temperature is 176°F (80 dig C) or above using the scan tool or the PGM Tester.
7. Drive the vehicle at speeds over 12 mph (20 km/h) in 1st, 2nd, 3rd and 4th gears in **D** position for more than 30 seconds.
8. Recheck for code P0730, 41-1, or 41.

*Does the code P0730, 41-1, or 41 return?*

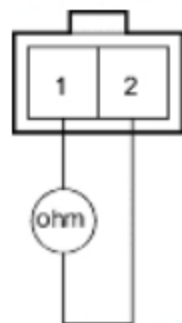
**YES** - Overhaul the transmission. ■

**NO** - The system is OK at this time. ■

**DTC P1768: Problem in A/T Clutch Pressure Control Solenoid Valve A Circuit**

NOTE:

- Record all freeze data before you troubleshoot.
  - The illustration shows the example of connector terminal arrangement; connector terminal arrangement varies with the models.
1. Disconnect A/T clutch pressure control solenoid valve A connector (2P).
  2. Measure A/T clutch pressure control solenoid valve A resistance at the solenoid valve connector.

**A/T CLUTCH PRESSURE CONTROL SOLENOID VALVE A CONNECTOR**

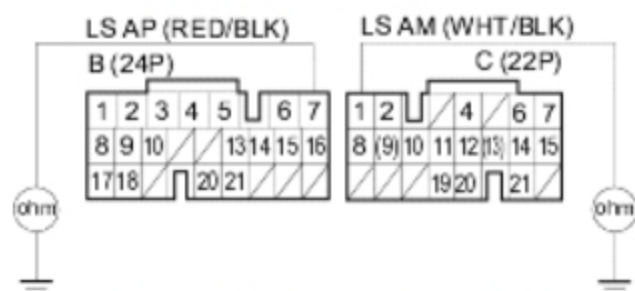
Terminal side of male terminals

Is the resistance about 5 ohm?

**YES** - Go to step 3.**NO** - Replace the A/T clutch pressure control solenoid valves A and B. ■

3. Disconnect PCM connectors B (24P) and C (22P).

4. Check for continuity between PCM connector terminal B7 and body ground and between terminal C1 and body ground.

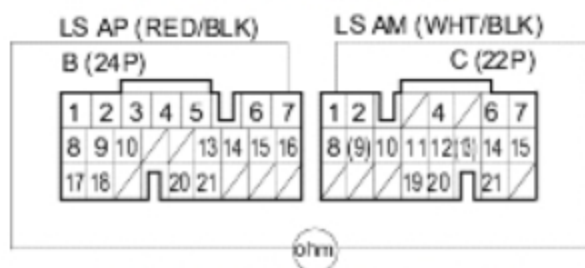
**PCM CONNECTORS**

Wire side of female terminals

Is there continuity?

**YES** - Repair short to ground in the wires between PCM connector terminals B7 and C1 and the A/T clutch pressure control solenoid valve A. ■**NO** - Go to step 5.

5. Connect A/T clutch pressure control solenoid valve A connector.
6. Measure the resistance between PCM connector terminals B7 and C1.

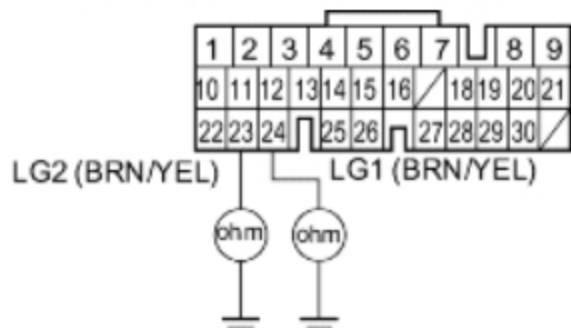
**PCM CONNECTORS**

Wire side of female terminals

Is the resistance about 5 ohm?

**YES** - Go to step 7.**NO** - Repair loose terminal or open in the wires between PCM connector terminals B7 and C1 and the A/T clutch pressure control solenoid valve A. ■

7. Disconnect PCM connector A (31P).
8. Check for continuity between PCM connector terminal A23 and body ground and between terminal A24 and body ground.

**PCM CONNECTOR A (31P)**

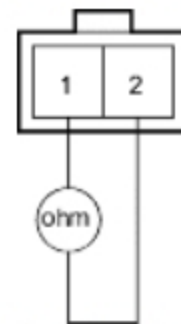
Wire side of female terminals

Is there continuity?

**YES** - Check for loose terminal fit in the PCM connectors. If necessary, substitute a known-good PCM and recheck. ■**NO** - Repair open in the wire between PCM connector terminals A23 and A24 and ground (G101), or repair poor ground (G101). ■**DTC P1773: Problem in A/T Clutch Pressure Control Solenoid Valve B Circuit**

NOTE:

- Record all freeze data before you troubleshoot.
  - The illustration shows the example of connector terminal arrangement; connector terminal arrangement varies with the models.
1. Disconnect A/T clutch pressure control solenoid valve B connector (2P).
  2. Measure A/T clutch pressure control solenoid valve B resistance at the solenoid valve connector.

**A/T CLUTCH PRESSURE CONTROL SOLENOID VALVE B CONNECTOR**

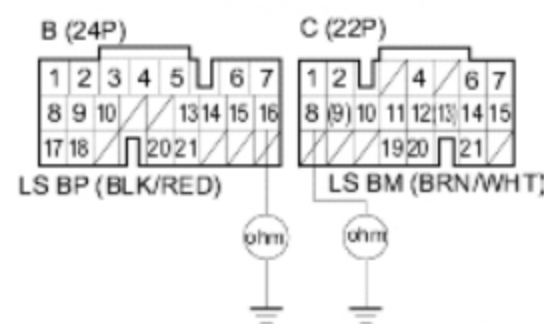
Terminal side of male terminals

Is the resistance about 5 ohm?

**YES** - Go to step 3.**NO** - Replace the A/T clutch pressure control solenoid valves A and B. ■

3. Disconnect PCM connectors B (24P) and C (22P).

4. Check for continuity between PCM connector terminal B16 and body ground and between terminal C8 and body ground.

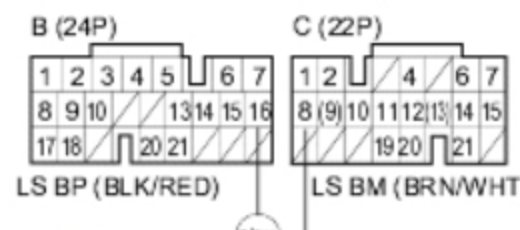
**PCM CONNECTORS**

Wire side of female terminals

Is there continuity?

**YES** - Repair short to ground in the wires between PCM connector terminals B16 and C8 and the A/T clutch pressure control solenoid valve B. ■**NO** - Go to step 5.

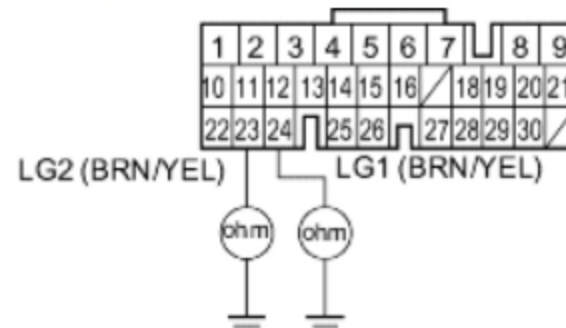
5. Connect A/T clutch pressure control solenoid valve B connector.
6. Measure the resistance between PCM connector terminals B16 and C8.

**PCM CONNECTORS**

Is the resistance about 5 ohm?

**YES** - Go to step 7.**NO** - Repair loose terminal or open in the wires between PCM connector terminals B16 and C8 and the A/T clutch pressure control solenoid valve B. ■

7. Disconnect PCM connector A (31P).
8. Check for continuity between PCM connector terminal A23 and body ground and between terminal A24 and body ground.

**PCM CONNECTOR A (31P)**

Wire side of female terminals

Is there continuity?

**YES** - Check for loose terminal fit in the PCM connectors. If necessary, substitute a known-good PCM and recheck. ■**NO** - Repair open in the wire between PCM connector terminals A23 and A24 and ground (G101), or repair poor ground (G101). ■