

Mode 1

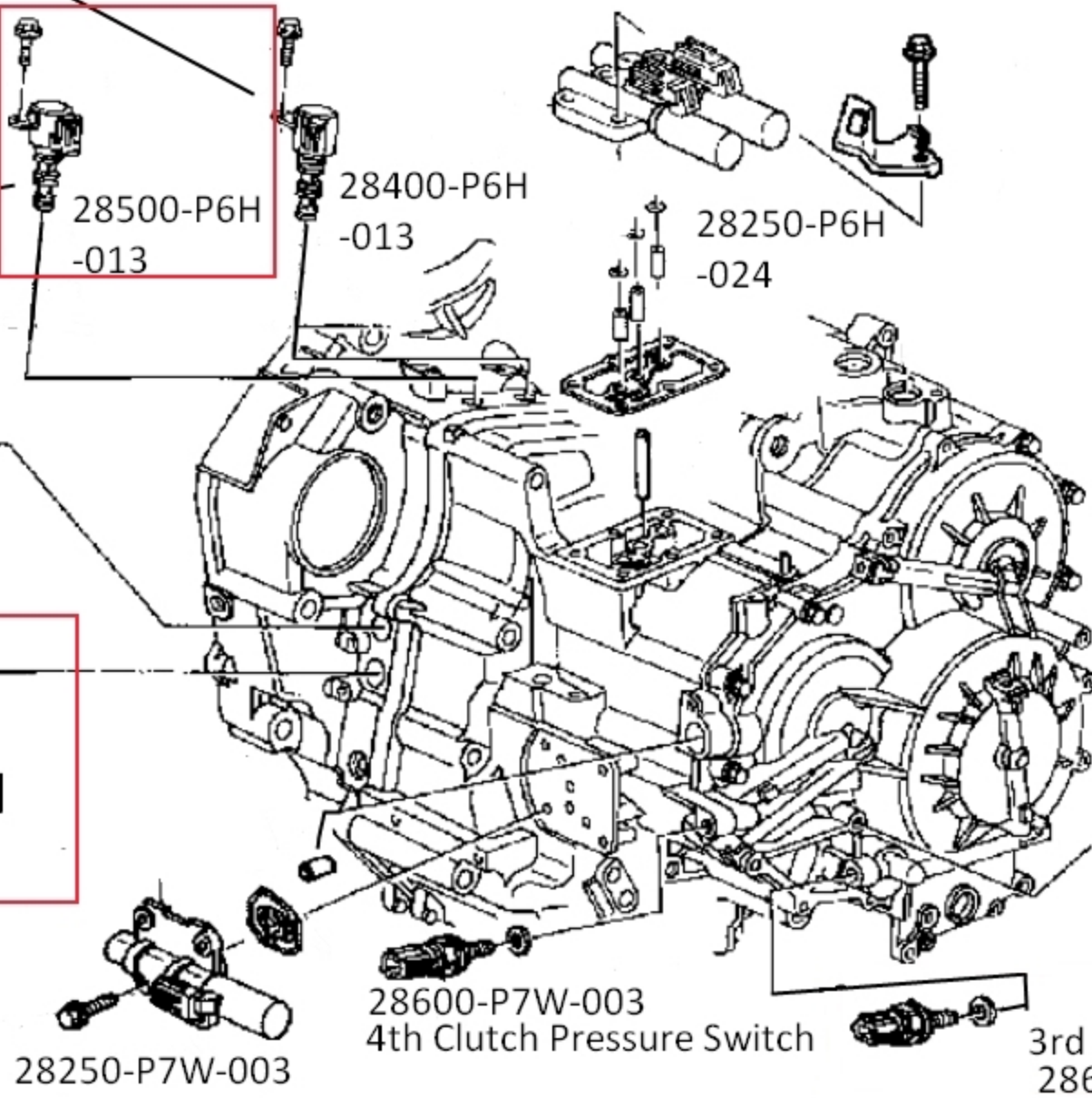
Torque Converter Clutch Solenoid Valve

Shift Solenoid Valve B

Shift Solenoid Valve A

28400-P6H-013

28500-P6H-013
Shift Solenoid Valve C

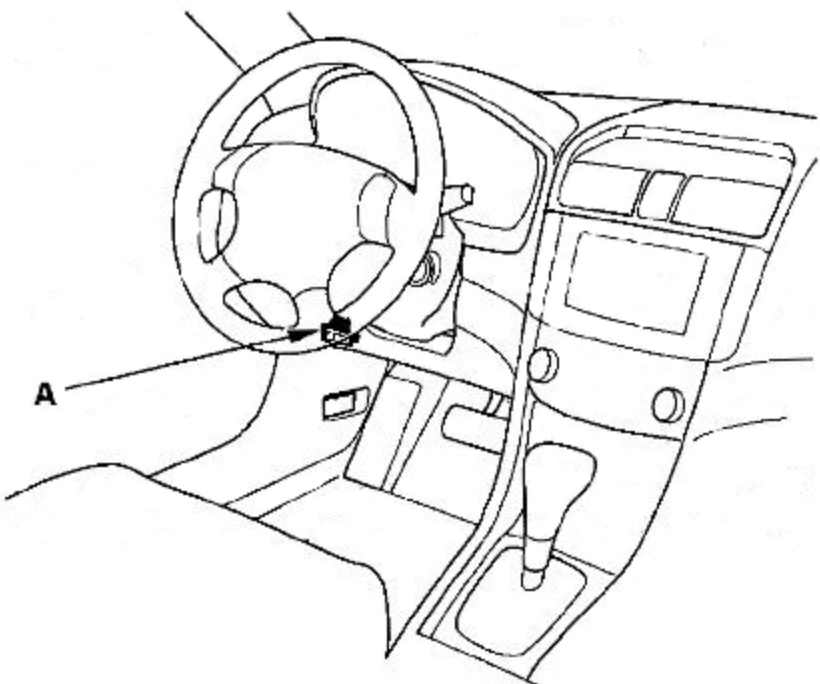


Application:

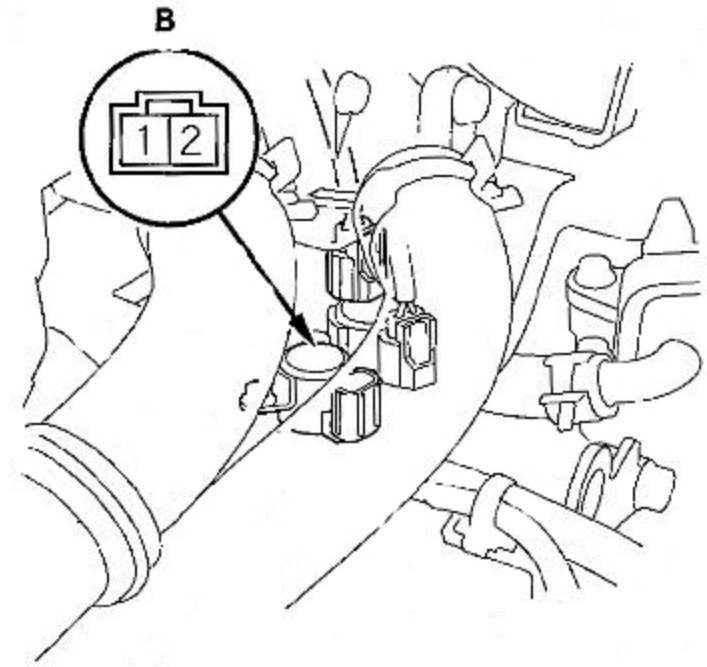
5AT	
Honda Odyssey	2002-2004
Honda Pilot	2003-2004
Acura CL	2002-2003
Acura MDX	2001-2002
Acura TL	2000-2003

Shift Solenoid Valve B Test

1. Connect the HDS to the DLC (A).



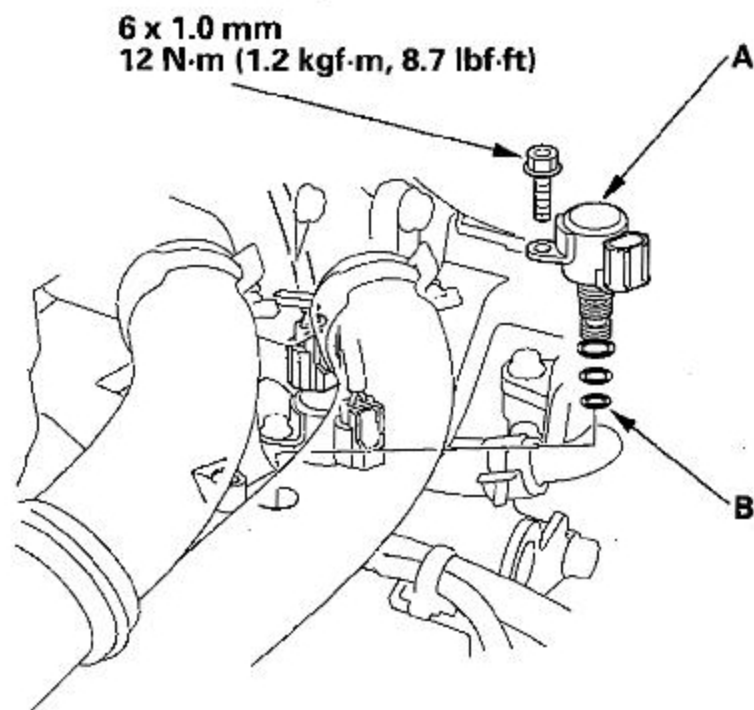
- Select SHIFT SOL TEST in MISCELLANEOUS TEST MENU on the HDS.
- Carry out A/T SHIFT SOL B test in SHIFT SOL TEST MENU with the HDS.
- Shift solenoid valve B test is finished if the test result is OK.
If no sound is heard, remove shift solenoid valve B, and test the solenoid valve.
- Remove the intake air duct and air cleaner housing.
- Disconnect shift solenoid valve B connector, and check the connector for good pin fit, corrosion, dirt, and oil. If the connector is OK, go to step 7. If the connector is not OK, repair the connector and do the test again.



- Measure shift solenoid valve B resistance at the solenoid valve connector terminals.
Standard: 12 – 25 Ω
- Replace shift solenoid valve B if the resistance is out of standard (see page 14-183).
- If the resistance is within the standard, connect the battery negative terminal to shift solenoid valve B connector terminal No. 2, and connect the battery positive terminal to the terminal No. 1.
- Replace shift solenoid valve B if no clicking sound is heard (see page 14-183).
- If a clicking sound is heard, check the GRN/WHT wire from the PCM to shift solenoid valve B for a short or open. If the wire is OK, substitute a known-good PCM and retest.
- Install the air cleaner housing and intake air duct.

Shift Solenoid Valve B Replacement

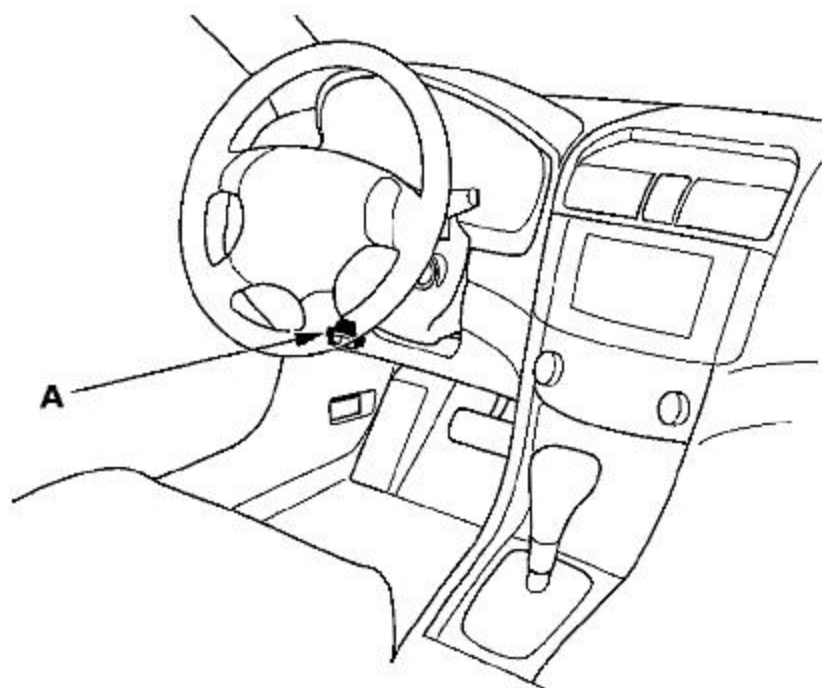
1. Remove the intake manifold cover.
2. Disconnect shift solenoid valve B connector, and remove shift solenoid valve B.



3. Install a new shift solenoid valve B with new O-rings (A). While installing the solenoid valve, do not allow dust or other foreign particles to enter the transmission.
4. Check the connector for corrosion, dirt, and oil, then connect the connector.
5. Install the intake manifold cover.

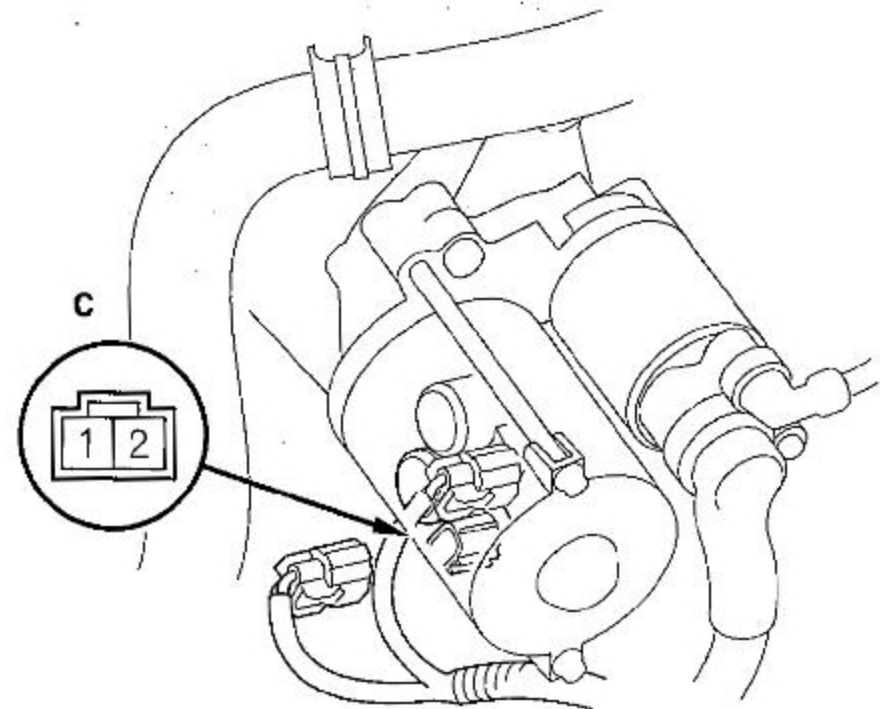
Shift Solenoid Valve C Test

1. Connect the HDS to the DLC (A).



2. Select shift SOL TEST in MISCELLANEOUS TEST MENU on the HDS.
3. Carry out A/T SHIFT SOL C test in SHIFT SOL TEST MENU with the HDS.
4. Shift solenoid valve C test is finished if a clicking noise is heard. If no sound is heard, go to step 5.
5. Raise the vehicle, then remove the splash shield.

6. Disconnect the shift solenoid valve C connector and check the connector for good pin fit, corrosion, dirt, and oil. If the connector is OK, go to step 7. If the connector is not OK, repair the connector and do the test again.



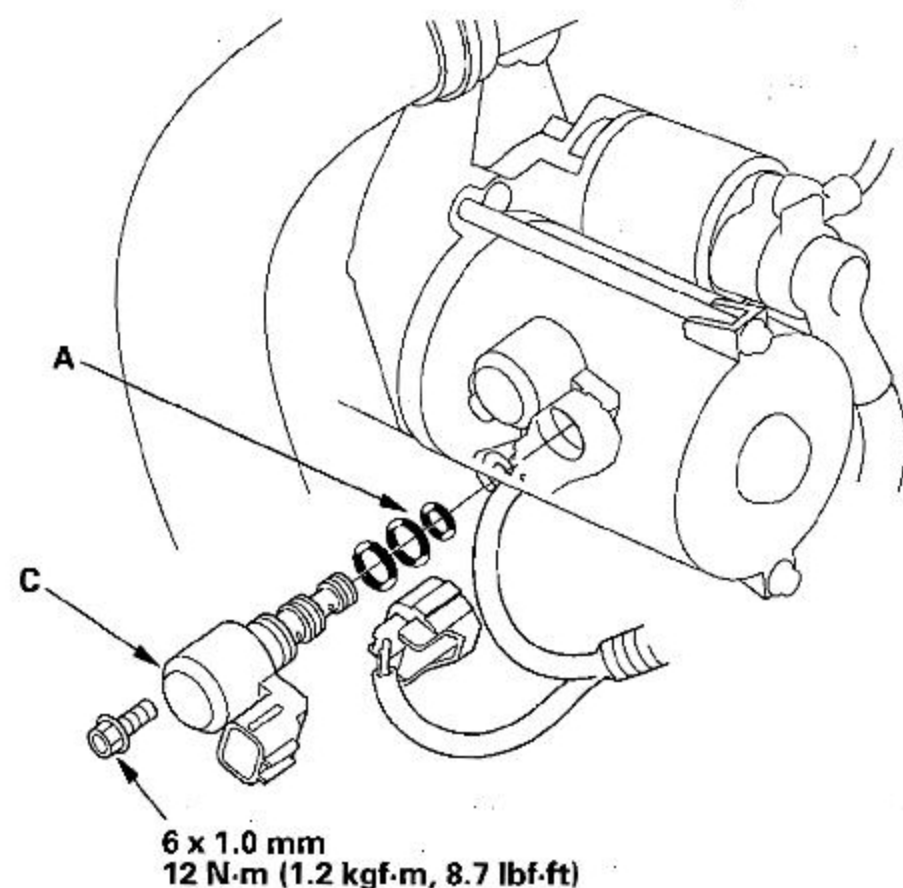
7. Measure shift solenoid valve C resistance at the solenoid valve connector terminals.

Standard: 12–25 Ω

8. Replace shift solenoid valve C if the resistance is out of standard (see page 14-185).
9. If the resistance is within the standard, connect the battery negative terminal to shift solenoid valve C connector terminal No. 2, and connect the battery positive terminal to the terminal No. 1.
10. Replace shift solenoid valve C if no clicking sound is heard (see page 14-185).
11. If a clicking sound is heard, the solenoid is OK. Check the GRN wire from the PCM to shift solenoid valve C for short or open. If the wire is OK, substitute a known-good PCM and retest.

Shift Solenoid Valve C Replacement

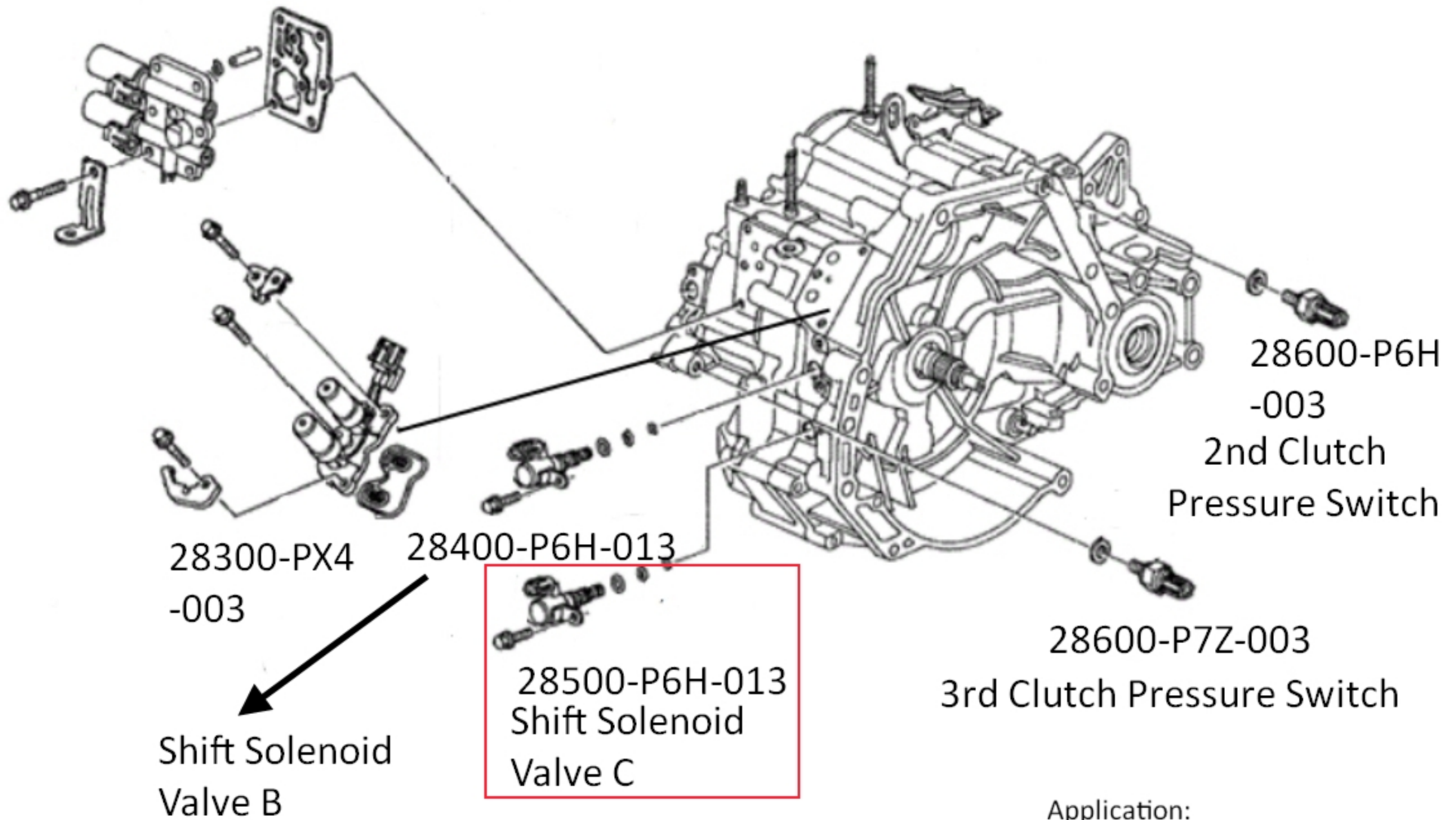
1. Disconnect shift solenoid valve C connector, and remove shift solenoid valve C.



2. Install a new shift solenoid valve C with new O-rings (A). While installing the solenoid valve, do not allow dust or other foreign particles to enter the transmission.
3. Check the connector for corrosion, dirt, and oil, then connect the connector.

Mode 2

28250-P6H-024



Application:

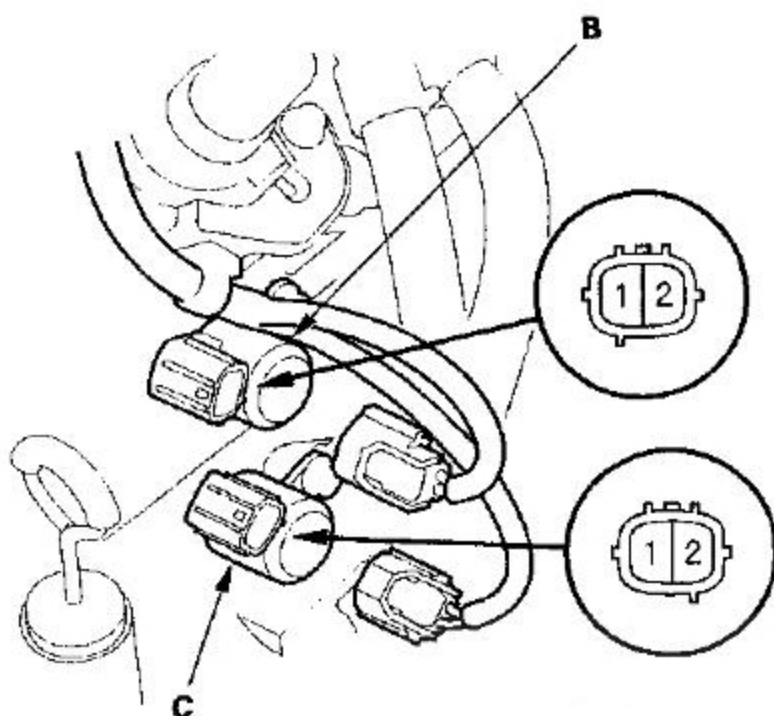
4AT

Honda Accord L4 1998-2002

Acura CL 1998-1999

Shift Solenoid Valves B and C Test

1. Disconnect the shift solenoid valve B or C 2P connector.



2. Measure the resistance between the No. 1 and No. 2 terminals of the shift solenoid valve B or C.

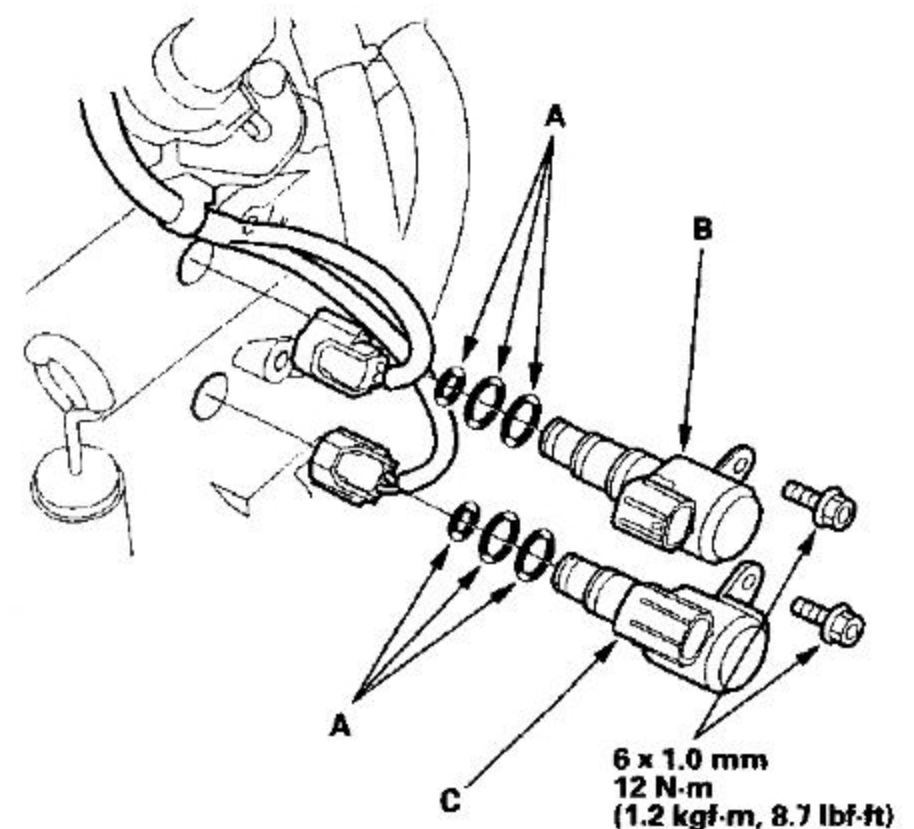
STANDARD: 12 – 25 Ω

3. Replace the shift solenoid valve B or C if the resistance is out of standard.
4. If the resistance is within the standard, connect the No. 2 terminal of the shift solenoid valve B or C connector to the battery positive terminal, and connect the No. 1 terminal to the battery negative terminal. A clicking sound should be heard. Replace the shift solenoid valve B or C if no clicking sound is heard.

Shift Solenoid Valves B and C Replacement

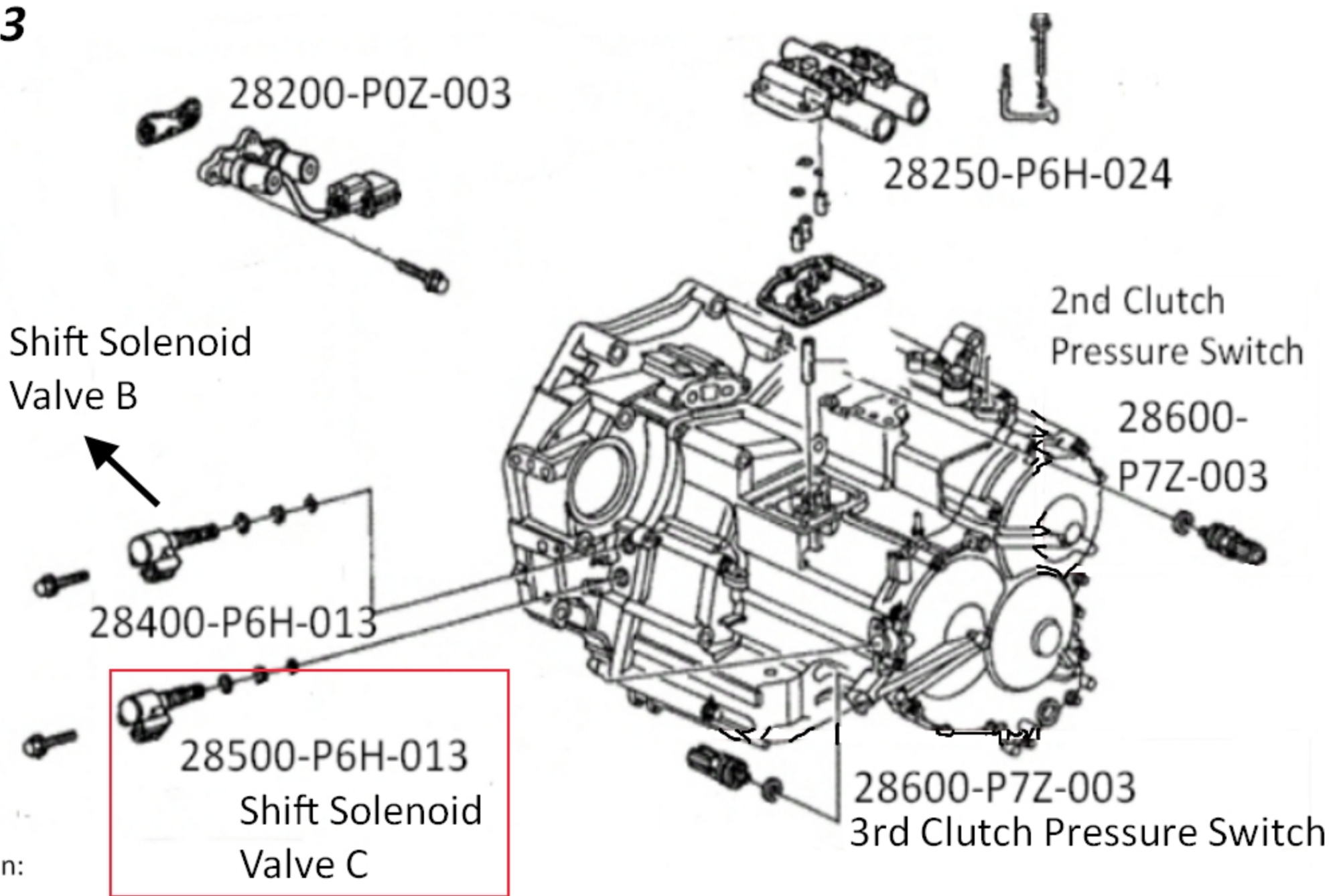
NOTE: If the shift solenoid valves B and C are replaced or removed at the same time, be sure to reinstall them correctly. The connector color of shift solenoid valve B is black, and the connector color of shift solenoid valve C is brown.

1. Remove the mounting bolt and the shift solenoid valve B.



2. Remove the mounting bolt and the shift solenoid valve C.
3. Install a new shift solenoid valve B or C with new O-rings (A). While installing the valves, do not allow dust or other foreign particles to enter the transmission.

Mode 3

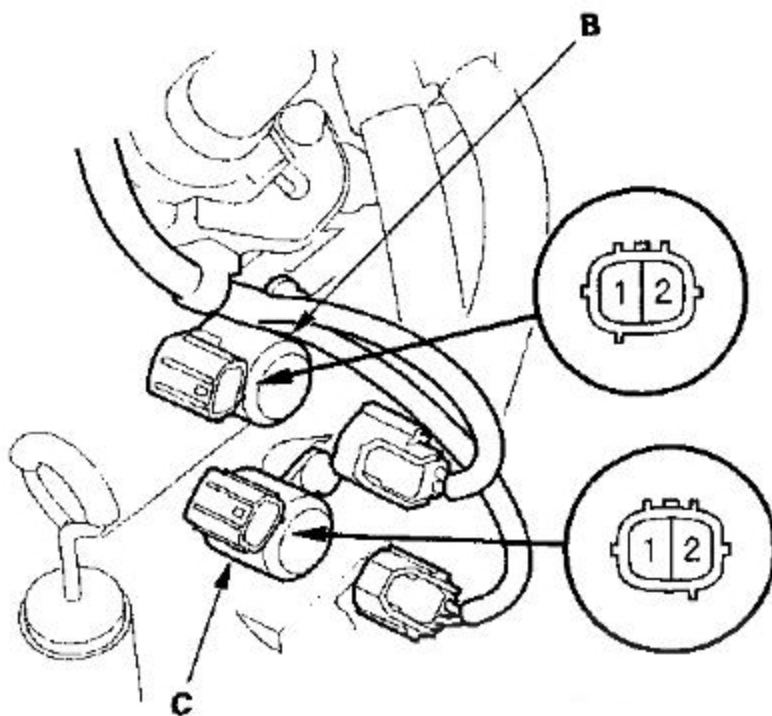


Application:
4AT

Honda Accord V6	1998-2002
Honda Odyssey	1999-2001
Acura CL	1997-1999

Shift Solenoid Valves B and C Test

1. Disconnect the shift solenoid valve B or C 2P connector.



2. Measure the resistance between the No. 1 and No. 2 terminals of the shift solenoid valve B or C.

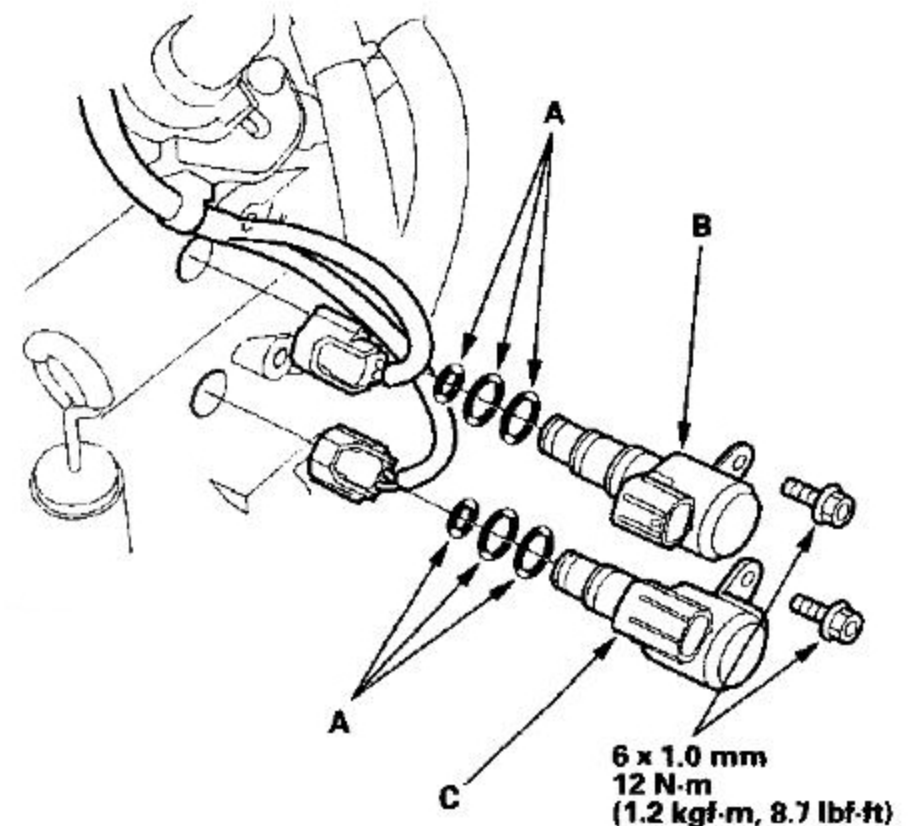
STANDARD: 12 – 25 Ω

3. Replace the shift solenoid valve B or C if the resistance is out of standard.
4. If the resistance is within the standard, connect the No. 2 terminal of the shift solenoid valve B or C connector to the battery positive terminal, and connect the No. 1 terminal to the battery negative terminal. A clicking sound should be heard. Replace the shift solenoid valve B or C if no clicking sound is heard.

Shift Solenoid Valves B and C Replacement

NOTE: If the shift solenoid valves B and C are replaced or removed at the same time, be sure to reinstall them correctly. The connector color of shift solenoid valve B is black, and the connector color of shift solenoid valve C is brown.

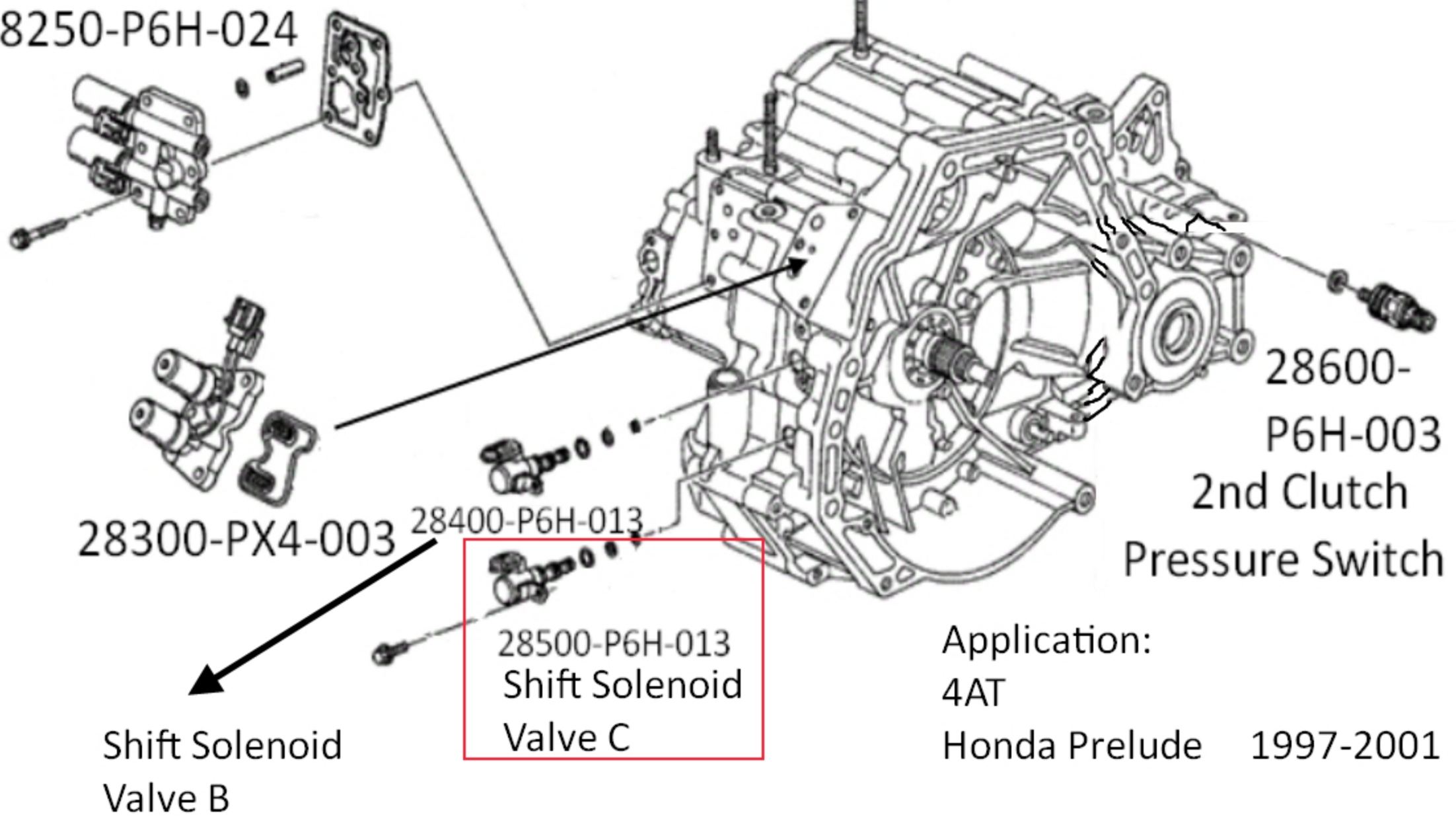
1. Remove the mounting bolt and the shift solenoid valve B.



2. Remove the mounting bolt and the shift solenoid valve C.
3. Install a new shift solenoid valve B or C with new O-rings (A). While installing the valves, do not allow dust or other foreign particles to enter the transmission.

Mode 4

28250-P6H-024



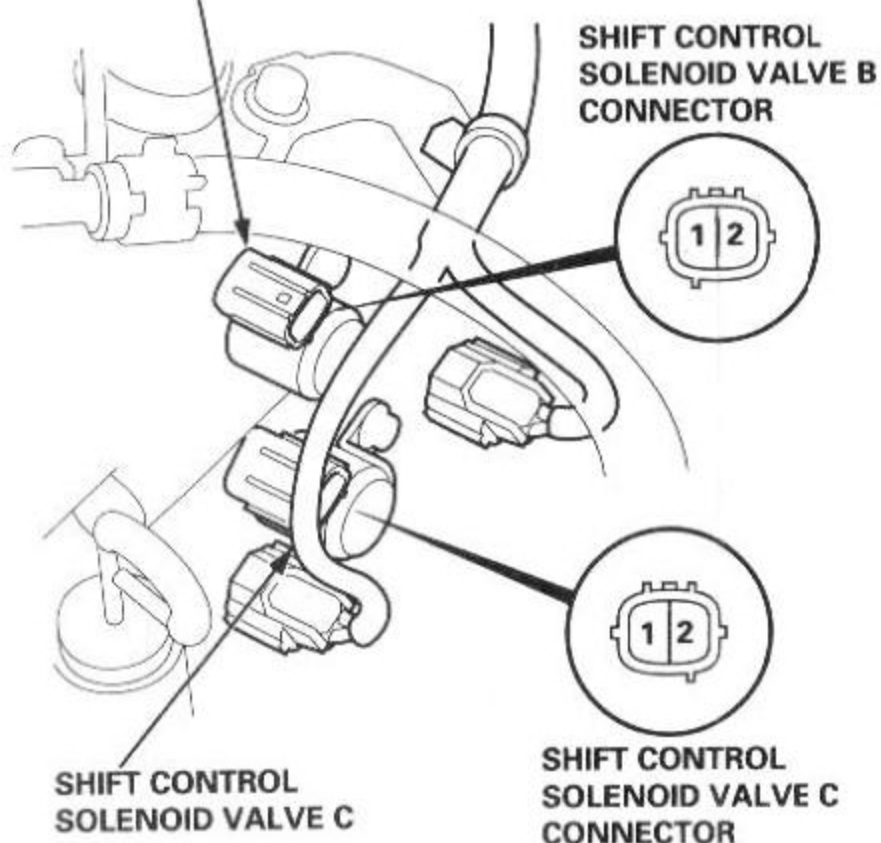
Shift Control Solenoid Valve B/C

Test

1. Disconnect the shift control solenoid valve B or C connector.
2. Measure the resistance between the No. 1 terminal and No. 2 terminal of the shift control solenoid valve B or C.

STANDARD: 12 – 25 Ω

SHIFT CONTROL SOLENOID VALVE B



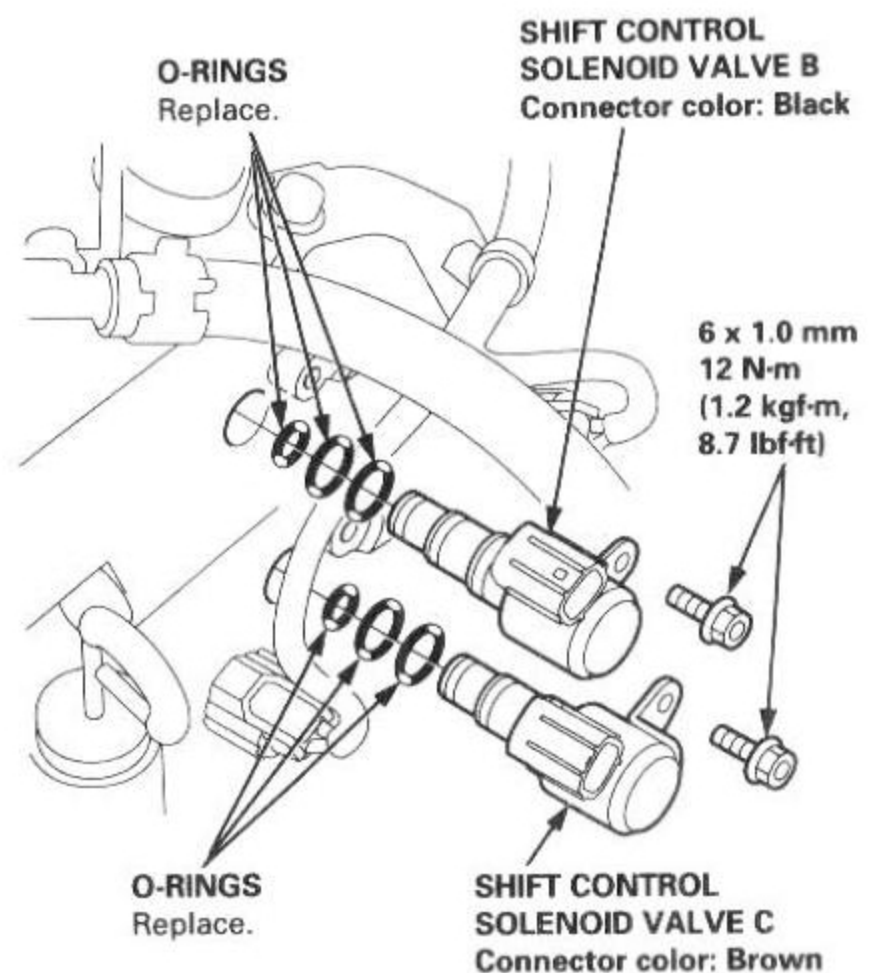
SHIFT CONTROL SOLENOID VALVE C

3. Replace the shift control solenoid valve B or C if the resistance is out of specification.
4. If the resistance is within the standard, connect the No. 2 terminal of the shift control solenoid valve B or C connector to the battery positive terminal individually. A clicking sound should be heard. Replace the shift control solenoid valve B or C if no clicking sound is heard.

Replacement

NOTE: If shift control solenoid valves B and C are replaced or removed at the same time, be sure to reinstall them correctly. The connector color of shift control solenoid valve B is black, and the connector color of shift control solenoid valve C is brown.

1. Remove the mounting bolt and the shift control solenoid valve B or C.



2. Install a new shift control solenoid valve B or C with new O-rings.

CAUTION: While installing shift control solenoid valve B or C, do not allow dust or other foreign particles to enter the transmission.

3. Check the connector for rust, dirt, or oil, then reconnect the connector securely.

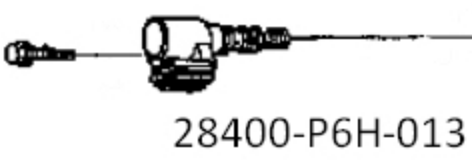
Mode 5

Torque Converter
Clutch Solenoid
Valve

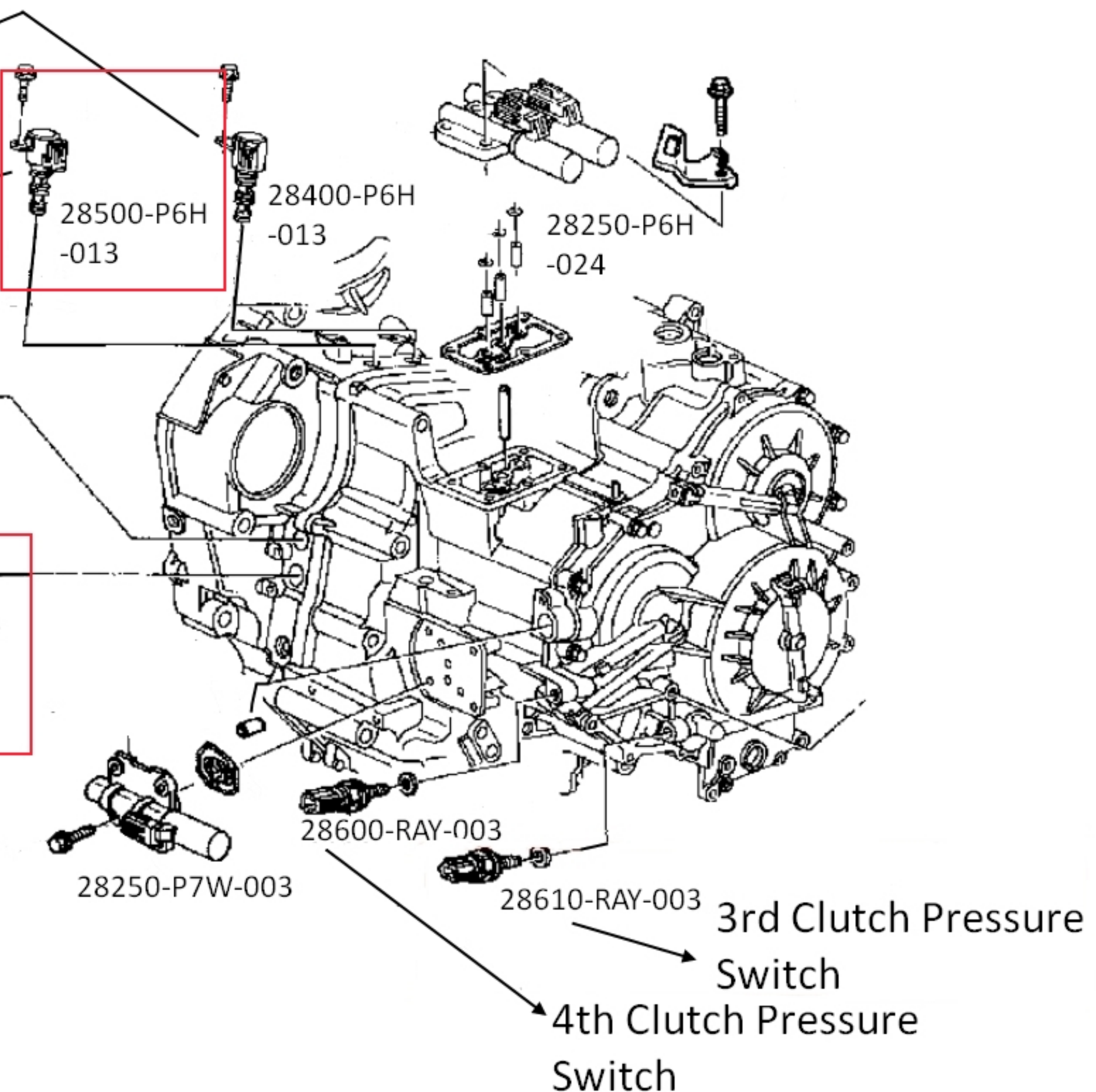
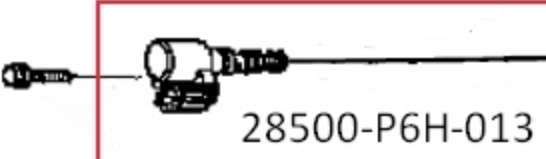
Shift Solenoid
B

Shift Solenoid
A

A



Shift Solenoid
C

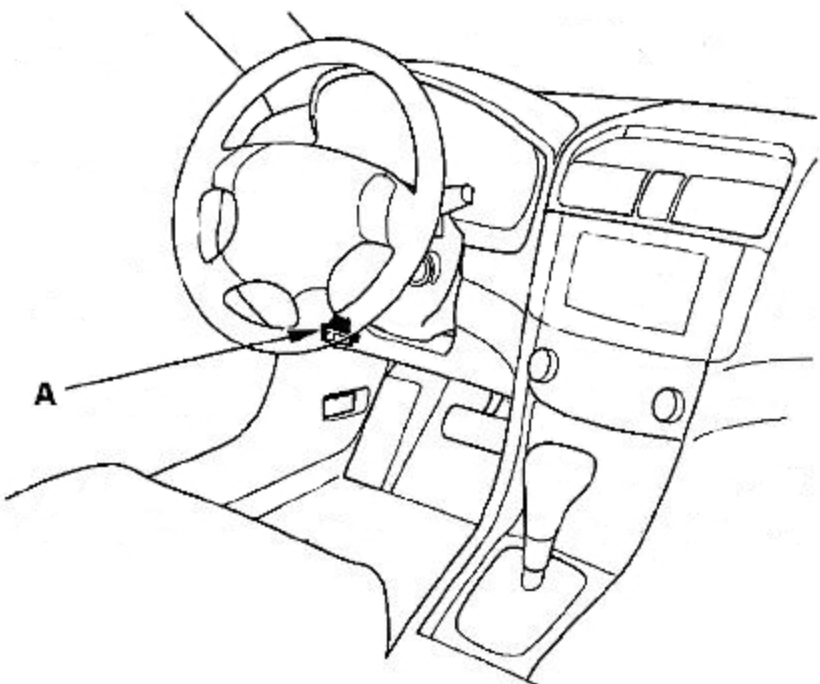


Application:

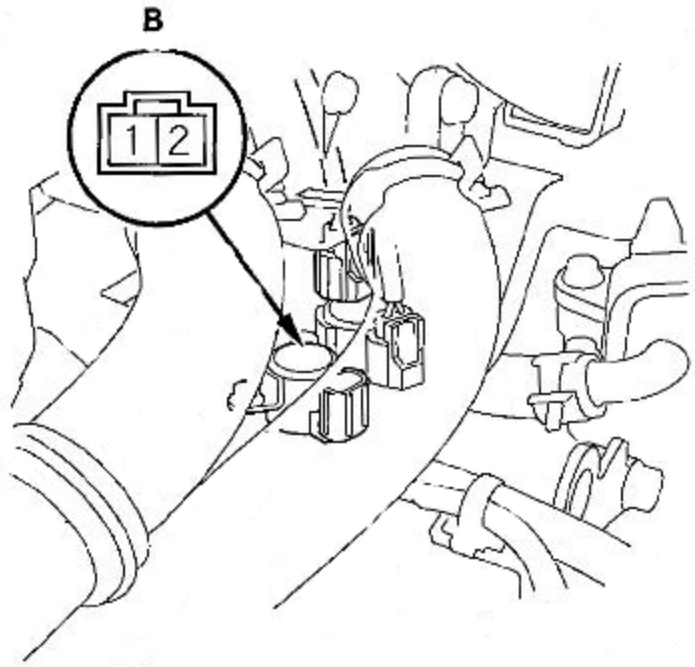
5AT	
Honda Accord V6	2003-2007
Honda Pilot	2005
Acura TL	2004-2006

Shift Solenoid Valve B Test

1. Connect the HDS to the DLC (A).



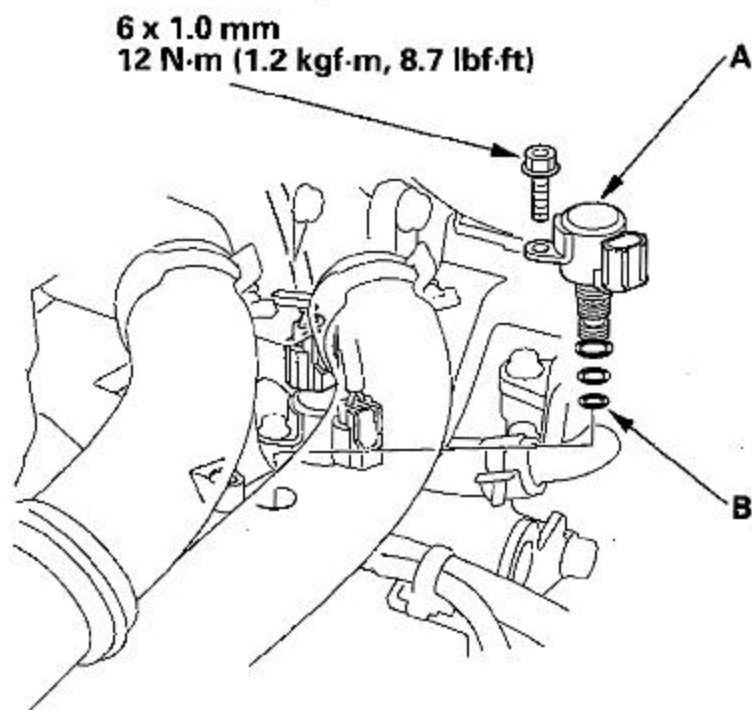
- Select SHIFT SOL TEST in MISCELLANEOUS TEST MENU on the HDS.
- Carry out A/T SHIFT SOL B test in SHIFT SOL TEST MENU with the HDS.
- Shift solenoid valve B test is finished if the test result is OK.
If no sound is heard, remove shift solenoid valve B, and test the solenoid valve.
- Remove the intake air duct and air cleaner housing.
- Disconnect shift solenoid valve B connector, and check the connector for good pin fit, corrosion, dirt, and oil. If the connector is OK, go to step 7. If the connector is not OK, repair the connector and do the test again.



- Measure shift solenoid valve B resistance at the solenoid valve connector terminals.
Standard: 12 - 25 Ω
- Replace shift solenoid valve B if the resistance is out of standard (see page 14-183).
- If the resistance is within the standard, connect the battery negative terminal to shift solenoid valve B connector terminal No. 2, and connect the battery positive terminal to the terminal No. 1.
- Replace shift solenoid valve B if no clicking sound is heard (see page 14-183).
- If a clicking sound is heard, check the GRN/WHT wire from the PCM to shift solenoid valve B for a short or open. If the wire is OK, substitute a known-good PCM and retest.
- Install the air cleaner housing and intake air duct.

Shift Solenoid Valve B Replacement

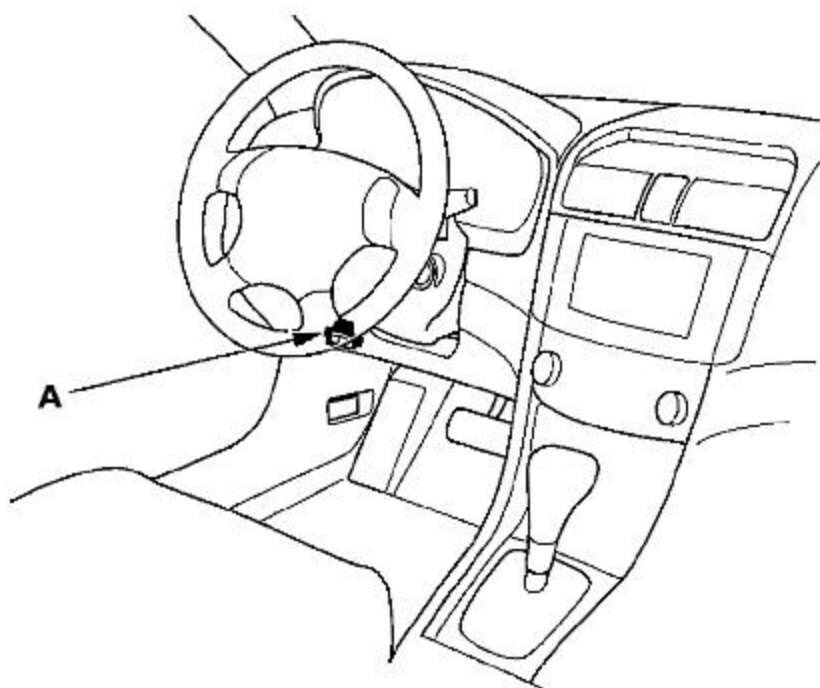
1. Remove the intake manifold cover.
2. Disconnect shift solenoid valve B connector, and remove shift solenoid valve B.



3. Install a new shift solenoid valve B with new O-rings (A). While installing the solenoid valve, do not allow dust or other foreign particles to enter the transmission.
4. Check the connector for corrosion, dirt, and oil, then connect the connector.
5. Install the intake manifold cover.

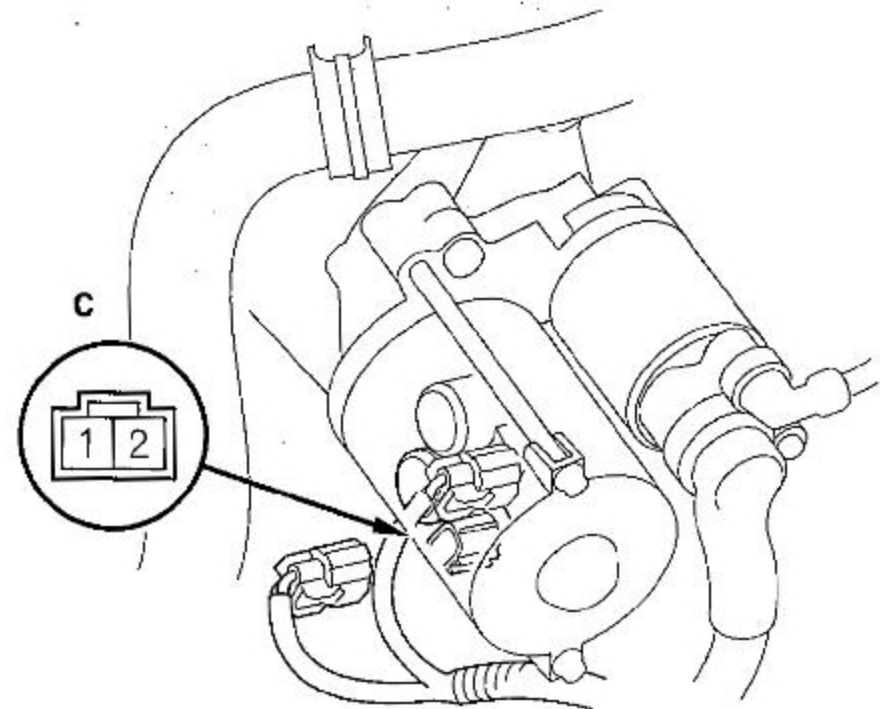
Shift Solenoid Valve C Test

1. Connect the HDS to the DLC (A).



2. Select shift SOL TEST in MISCELLANEOUS TEST MENU on the HDS.
3. Carry out A/T SHIFT SOL C test in SHIFT SOL TEST MENU with the HDS.
4. Shift solenoid valve C test is finished if a clicking noise is heard. If no sound is heard, go to step 5.
5. Raise the vehicle, then remove the splash shield.

6. Disconnect the shift solenoid valve C connector and check the connector for good pin fit, corrosion, dirt, and oil. If the connector is OK, go to step 7. If the connector is not OK, repair the connector and do the test again.



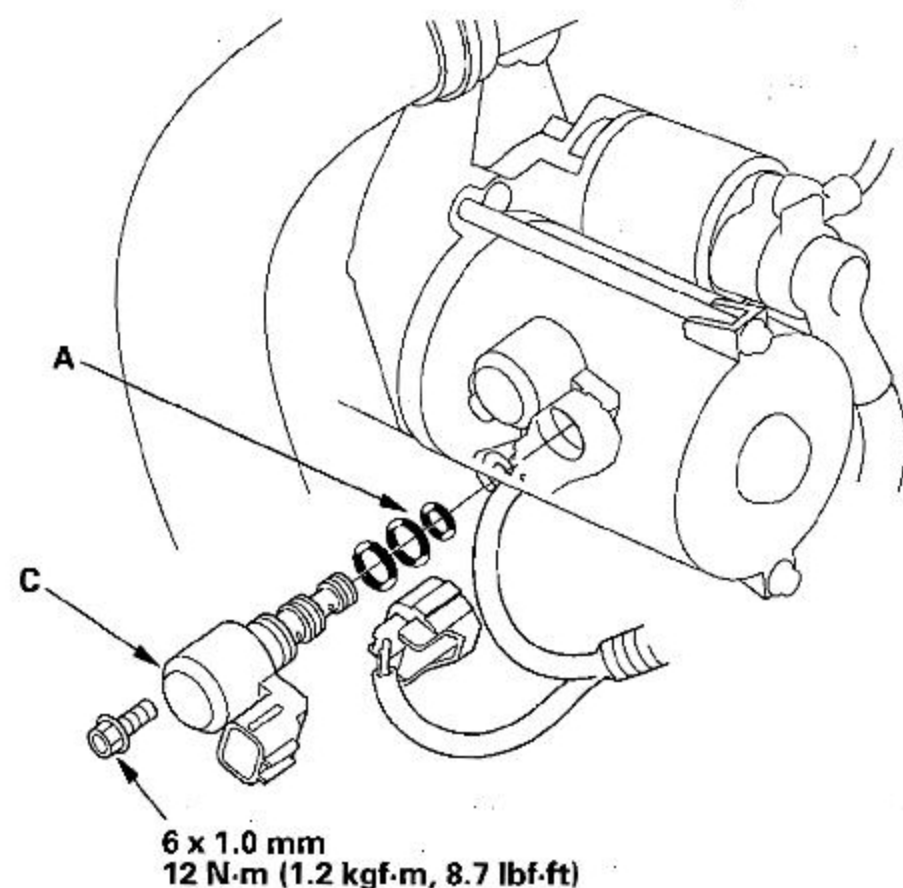
7. Measure shift solenoid valve C resistance at the solenoid valve connector terminals.

Standard: 12–25 Ω

8. Replace shift solenoid valve C if the resistance is out of standard (see page 14-185).
9. If the resistance is within the standard, connect the battery negative terminal to shift solenoid valve C connector terminal No. 2, and connect the battery positive terminal to the terminal No. 1.
10. Replace shift solenoid valve C if no clicking sound is heard (see page 14-185).
11. If a clicking sound is heard, the solenoid is OK. Check the GRN wire from the PCM to shift solenoid valve C for short or open. If the wire is OK, substitute a known-good PCM and retest.

Shift Solenoid Valve C Replacement

1. Disconnect shift solenoid valve C connector, and remove shift solenoid valve C.



2. Install a new shift solenoid valve C with new O-rings (A). While installing the solenoid valve, do not allow dust or other foreign particles to enter the transmission.
3. Check the connector for corrosion, dirt, and oil, then connect the connector.