



26. Check for Pending or Confirmed DTCs with the HDS.

Is DTC P0842 indicated?

YES—Check for intermittent short to body ground in the wire between the transmission fluid pressure switch A (2nd clutch) and the PCM. If the PCM was updated, substitute a known-good PCM (see page 11-7), then go to step 24. If the PCM was substituted, go to step 1.

NO—Go to step 27.

27. Monitor the OBD STATUS for P0842 in the DTCs MENU with the HDS.

Does the HDS indicate PASSED?

YES—If the PCM was updated, troubleshooting is complete. If the PCM was substituted, replace the original PCM (see page 11-223). If any other Pending or Confirmed DTCs were indicated in step 26, go to the indicated DTC's troubleshooting. ■

NO—If the HDS indicates FAILED, check for intermittent short to body ground in the wire between the transmission fluid pressure switch A (2nd clutch) and the PCM. If the PCM was updated, substitute a known-good PCM (see page 11-7), then go to step 24. If the PCM was substituted, go to step 1. If the HDS indicates NOT COMPLETED, go to step 24.

DTC P0843: Open in Transmission Fluid Pressure Switch A (2nd Clutch) Circuit, or Transmission Fluid Pressure Switch A (2nd Clutch) Stuck OFF

NOTE:

- Before you troubleshoot, record all freeze data and any on-board snapshot with the HDS, and review General Troubleshooting Information (see page 14-4).
- This code is caused by an electrical circuit problem and cannot be caused by a mechanical problem in the transmission.

1. Turn the ignition switch to ON (II).
2. Clear the DTC with the HDS.
3. Start the engine, and warm it up to normal operating temperature (the radiator fan comes on).
4. Move the shift lever into S while pressing the brake pedal, upshift to 2nd gear by pressing the paddle shifter + (upshift switch), and check that the Shift Control indicates 2 in the Data List with the HDS.
5. Check the 2nd Pressure Switch in the Data List with the HDS .

Is the 2nd Pressure Switch ON?

YES—Go to step 6.

NO—Go to step 8.

6. Test-drive the vehicle in 2nd gear, with the shift lever in D for at least 2 seconds.
7. Monitor the OBD STATUS for P0843 in the DTCs MENU with the HDS.

Does the HDS indicate FAILED?

YES—Go to step 8.

NO—If the HDS indicates PASSED, intermittent failure, the system is OK at this time. Check for poor connections or loose terminals between the transmission fluid pressure switch A (2nd clutch) and the PCM. If the HDS indicates NOT COMPLETED, go to step 6.

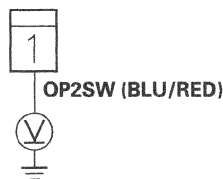
(cont'd)

Automatic Transmission

DTC Troubleshooting (cont'd)

8. Turn the ignition switch to LOCK (0).
9. Disconnect the transmission fluid pressure switch A (2nd clutch) connector.
10. Turn the ignition switch to ON (II).
11. Measure the voltage between the transmission fluid pressure switch A (2nd clutch) connector terminal and body ground.

TRANSMISSION FLUID PRESSURE SWITCH A (2ND CLUTCH) CONNECTOR



Wire side of female terminals

Is there about 5 V?

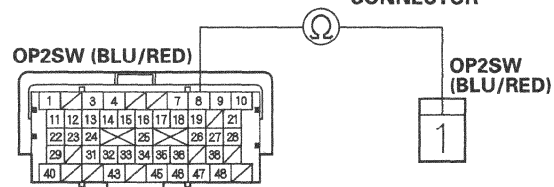
YES—Replace the transmission fluid pressure switch A (2nd clutch) (see page 14-203), then go to step 16.

NO—Go to step 12.

12. Turn the ignition switch to LOCK (0).
13. Jump the SCS line with the HDS.
14. Disconnect PCM connector B (49P).
15. Check for continuity between PCM connector terminal B8 and the transmission fluid pressure switch A (2nd clutch) connector terminal.

PCM CONNECTOR B (49P)

TRANSMISSION FLUID PRESSURE SWITCH A (2ND CLUTCH) CONNECTOR



Terminal side of female terminals

Wire side of female terminals

Is there continuity?

YES—Go to step 23.

NO—Repair open in the wire between PCM connector terminal B8 and the transmission fluid pressure switch A (2nd clutch), then go to step 16.

16. Reconnect all connectors.
17. Turn the ignition switch to ON (II).
18. Clear the DTC with the HDS.
19. Start the engine, and warm it up to normal operating temperature (the radiator fan comes on).



20. Test-drive the vehicle in 2nd gear, with the shift lever in D for at least 2 seconds. Then drive in 4th gear for at least 2 seconds.
21. Check for Pending or Confirmed DTCs with the HDS.
Is DTC P0843 indicated?
YES—Check for poor connections or loose terminals between the transmission fluid pressure switch A (2nd clutch) and the PCM, then go to step 1.
NO—Go to step 22.
22. Monitor the OBD STATUS for P0843 in the DTCs MENU with the HDS.
Does the HDS indicate PASSED?
YES—Troubleshooting is complete. If any other Pending or Confirmed DTCs were indicated in step 21, go to the indicated DTC's troubleshooting. ■
NO—If the HDS indicates FAILED, check for poor connections or loose terminals between the transmission fluid pressure switch A (2nd clutch) and the PCM, then go to step 1. If the HDS indicates NOT COMPLETED, go to step 19.
23. Reconnect all connectors.
24. Update the PCM if it does not have the latest software (see page 11-222), or substitute a known-good PCM (see page 11-7).
25. Start the engine, and warm it up to normal operating temperature (the radiator fan comes on).
26. Test-drive the vehicle in 2nd gear, with the shift lever in D for at least 2 seconds. Then drive in 4th gear for at least 2 seconds.

27. Check for Pending or Confirmed DTCs with the HDS.

Is DTC P0843 indicated?

YES—Check for poor connections or loose terminals between the transmission fluid pressure switch A (2nd clutch) and the PCM. If the PCM was updated, substitute a known-good PCM (see page 11-7), then go to step 25. If the PCM was substituted, go to step 1.

NO—Go to step 28.

28. Monitor the OBD STATUS for P0843 in the DTCs MENU with the HDS.

Does the HDS indicate PASSED?

YES—If the PCM was updated, troubleshooting is complete. If the PCM was substituted, replace the original PCM (see page 11-223). If any other Pending or Confirmed DTCs were indicated in step 27, go to the indicated DTC's troubleshooting. ■

NO—If the HDS indicates FAILED, check for poor connections or loose terminals between the transmission fluid pressure switch A (2nd clutch) and the PCM. If the PCM was updated, substitute a known-good PCM (see page 11-7), then go to step 25. If the PCM was substituted, go to step 1. If the HDS indicates NOT COMPLETED, go to step 25.