

2007 Acura RL

2005-08 TRANSMISSION Automatic Transmission - RL

YES - Troubleshooting is complete. If any other DTCs were indicated on step 21, go to the **INDICATED DTC'S TROUBLESHOOTING**.

NO - Check for poor connections and loose terminals at the 3rd clutch transmission fluid pressure switch and the PCM, then go to step 1. If the HDS indicates NOT COMPLETED, return to step 20 and recheck.

DTC P0848: Open in 3rd Clutch Transmission Fluid Pressure Switch Circuit, or 3rd Clutch Transmission Fluid Pressure Switch Stuck OFF

NOTE:

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

1. Clear the DTC with the HDS.
2. Start the engine, and warm it up to normal operating temperature (the radiator fan comes on).
3. Test-drive the vehicle in 3rd gear in M, and verify with the HDS in the A/T data list that the SHIFT COMMAND indicates 3rd.
4. Check the 3rd PRESSURE SWITCH signal with the HDS in the A/T data list.

Is the 3rd PRESSURE SWITCH ON?

YES - Go to step 5.

NO - Go to step 7.

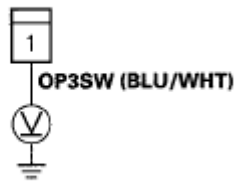
5. Test-drive the vehicle in 3rd gear in M for at least 2 seconds, then slow down to a stop.
6. Monitor the OBD STATUS for P0848 in the DTCs/Freeze Data in A/T Mode Menu for a pass/fail.

Does the HDS indicate FAILED?

YES - Go to step 7.

NO - Intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the 3rd clutch transmission fluid pressure switch and the PCM. If the HDS indicates NOT COMPLETED, return to step 5 and recheck.

7. Turn the ignition switch to LOCK (0).
8. Disconnect the 3rd clutch transmission fluid pressure switch connector.
9. Turn the ignition switch to ON (II).
10. Measure the voltage between the 3rd clutch transmission fluid pressure switch connector terminal and body ground.

**3RD CLUTCH TRANSMISSION FLUID
PRESSURE SWITCH CONNECTOR**

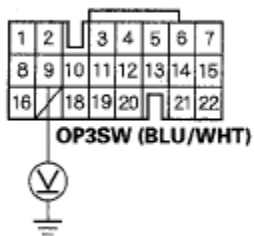
Wire side of female terminals

Fig. 129: Measuring Voltage Between 3rd Clutch Transmission Fluid Pressure Switch Connector Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there about 5 V?***YES** - Replace the 3rd clutch transmission fluid pressure switch (see **3RD CLUTCH TRANSMISSION FLUID PRESSURE SWITCH REPLACEMENT**), then go to step 17.**NO** - Go to step 11.

11. Measure the voltage between PCM connector terminal C9 and body ground.

PCM CONNECTOR C (22P)

Wire side of female terminals

Fig. 130: Measuring Voltage Between PCM Connector Terminal C9 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there about 5 V?***YES** - Repair open in the wire between PCM connector terminal C9 and the 3rd clutch transmission fluid pressure switch, then go to step 17.**NO** - Go to step 12.

12. Connect the 3rd clutch transmission fluid pressure switch connector.
13. Update the A/T software in the PCM if it does not have the latest software (see **UPDATING THE**

2007 Acura RL

2005-08 TRANSMISSION Automatic Transmission - RL

PCM), or substitute a known-good PCM (see **SUBSTITUTING THE PCM**).

14. Test-drive the vehicle in 3rd gear in M for at least 2 seconds, then upshift to 4th gear, and drive in 4th gear for at least 2 seconds. Slow down and stop the wheels.
15. Check for DTC(s) in the DTCs/Freeze Data in A/T Mode Menu with the HDS.

Is DTC P0848 Indicated?

YES - If the PCM was updated, substitute a known-good PCM (see **SUBSTITUTING THE PCM**), then recheck. If the PCM was substituted, go to step 1.

NO - Go to step 16.

16. Monitor the OBD STATUS for P0848 in the DTCs/Freeze Data in A/T Mode Menu for a pass/fail.

Does the HDS indicate PASSED?

YES - If the PCM was updated, troubleshooting is complete. If the PCM was substituted, replace the original PCM (see **PCM REPLACEMENT**). If any other DTCs were indicated on step 15, go to the **INDICATED DTCS TROUBLESHOOTING**.

NO - Check for poor connections and loose terminals at the 3rd clutch transmission fluid pressure switch and the PCM. If the PCM was updated, substitute a known-good PCM (see **SUBSTITUTING THE PCM**), then recheck. If the PCM was substituted, go to step 1. If the HDS indicates NOT COMPLETED, return to step 14 and recheck.

17. Clear the DTC with the HDS.
18. Test-drive the vehicle in 3rd gear in M for at least 2 seconds, then upshift to 4th gear, and drive in 4th gear for at least 2 seconds. Slow down and stop the wheels.
19. Check for DTC(s) in the DTCs/Freeze Data in A/T Mode Menu with the HDS.

Is DTC P0848 indicated?

YES - Check for poor connections and loose terminals at the 3rd clutch transmission fluid pressure switch and the PCM, then go to step 1.

NO - Go to step 20.

20. Monitor the OBD STATUS for P0848 in the DTCs/Freeze Data in A/T Mode Menu for a pass/fail.

Does the HDS indicate PASSED?

YES - Troubleshooting is complete. If any other DTCs were indicated on step 19, go to the **INDICATED DTCS TROUBLESHOOTING**.

NO - Check for poor connections and loose terminals at the 3rd clutch transmission fluid pressure switch

15. Do the steering column memorization (see **STEERING COLUMN POSITION MEMORIZATION**).
16. Do the power window control unit reset procedure (see **RESETTING THE POWER WINDOW CONTROL UNIT**).

3RD CLUTCH TRANSMISSION FLUID PRESSURE SWITCH REPLACEMENT

1. Remove the splash shield.
2. Disconnect the 3rd clutch transmission fluid pressure switch connector, and remove the 3rd clutch transmission fluid pressure switch (A).

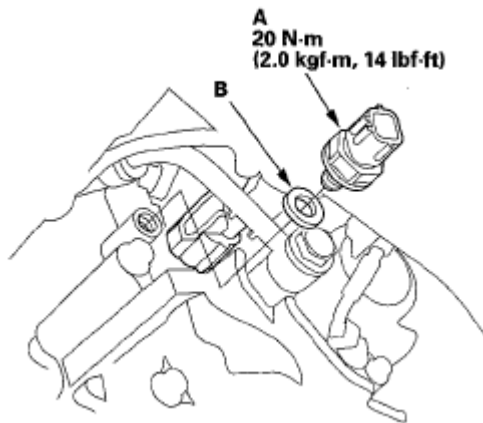


Fig. 235: Identifying 3rd Clutch Transmission Fluid Pressure Switch And Sealing Washer With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Make sure there is no water, oil, dust, or foreign particles inside the connector.
4. Install the new 3rd clutch transmission fluid pressure switch and a new sealing washer (B), and tighten the switch.
5. Connect the connector securely.
6. Install the splash shield.

4TH CLUTCH TRANSMISSION FLUID PRESSURE SWITCH REPLACEMENT

1. Remove the battery trim and left upper fender cover.
2. Remove the air cleaner (see **AIR CLEANER REMOVAL/INSTALLATION**).
3. Disconnect the 4th clutch transmission fluid pressure switch harness connectors (A).