



DTC P0741: Torque Converter Clutch Hydraulic Circuit Stuck OFF

NOTE: Before you troubleshoot, record all freeze data and any on-board snapshot, and review General Troubleshooting Information (see page 14-3).

1. Warm up the engine to normal operating temperature (the radiator fan comes on).
2. Make sure that the transmission is filled to the proper level, and check for fluid leaks.
3. Drain the ATF (see step 3 on page 14-243) through a strainer. Inspect the strainer for metal debris or excessive clutch material.

Does the strainer have metal debris or excessive clutch material?

YES—Replace the transmission. ■

NO—Replace the ATF (see step 4 on page 14-243), then go to step 4.

4. Turn the ignition switch ON (II).
 5. Clear the DTC with the HDS.
 6. Choose Shift Solenoid E in Miscellaneous Test Menu, and check that the shift solenoid valve E operates with the HDS.
- Is a clicking sound heard?*
- YES**—Go to step 7.
- NO**—Replace shift solenoid valve E (see page 14-224), then go to step 11.
7. Run the engine until the ECT SENSOR value reaches 176 °F (80 °C).
 8. Choose Clutch Pressure Control (Linear) Solenoid A in Miscellaneous Test Menu, and test A/T clutch pressure control solenoid valve A with the HDS.

Is the result NORMAL?

YES—Go to step 9.

NO—Follow instructions indicated on the HDS by the test result. Go to step 11 if any part was replaced.

9. Test-drive the vehicle on a level road with a steady throttle at 55 mph (88 km/h) for 2 minutes.

10. Monitor the OBD STATUS for P0741 in the DTCs MENU with the HDS.

Does the screen indicate FAILED?

YES—Repair the faulty torque converter clutch mechanism, the torque converter clutch hydraulic circuit, the lock-up shift valve, or the lock-up control valve, or replace the transmission. ■

NO—Intermittent failure, the system is OK at this time. If the screen indicates NOT COMPLETED, go to step 9.

11. Reconnect all connectors.
12. Turn the ignition switch ON (II).
13. Clear the DTC with the HDS.
14. Test-drive the vehicle for several minutes under the same condition as those indicated by the freeze data.
15. Check for DTCs with the HDS.

Is DTC P0741 indicated?

YES—Go to step 5.

NO—Go to step 16.

16. Monitor the OBD STATUS for P0741 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES—Troubleshooting is complete. If any other DTCs were indicated in step 15, go to the indicated DTC's troubleshooting. ■

NO—If the screen indicates FAILED, go to step 5. If the screen indicates NOT COMPLETED, go to step 14.