

2003 MDX - DTC Troubleshooting: P0741 (40-3)

DTC P0741: Torque Converter Clutch Circuit Stuck OFF

NOTE: Record all freeze data and review General Troubleshooting Information before you troubleshoot.

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

Does the strainer contain metal debris or excessive clutch material?

YES - Replace the transmission.■

NO - Replace the ATF, then go to step 4.

4. Clear the DTC with the HDS.
5. Choose Lockup Solenoid Test in Miscellaneous Test Menu, and check that the torque converter clutch solenoid valve operates with the HDS.

Is a clicking sound heard?

YES - Go to step 6.

NO - Replace torque converter clutch solenoid valve, then go to step 10.

6. Choose Clutch Pressure Control (Linear) Solenoid C in Miscellaneous Test Menu, and test the A/T clutch pressure control solenoid valve C with the HDS.

Is the system OK?

YES - Go to step 7.

NO - Follow instructions indicated on the HDS by test result, then go to step 10.

7. Run the engine until the engine coolant temperature reaches 176 °F (80 °C).
8. Test-drive the vehicle at 55 mph (88 km/h) for 2 minutes while monitoring the vehicle speed with the HDS.
9. Monitor the OBD status for P0741 in the DTCs/Freeze Data in A/T Mode Menu for a pass/fail.

Does the result indicate FAILED?

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

NO - Intermittent failure, the system is OK at this time. If the tester indicates NOT COMPLETED, return to step 8 and recheck.■

10. Clear the DTC with the HDS.
11. Test-drive the vehicle for several minutes under the same conditions as those indicated by the freeze data.
12. Monitor the OBD status for P0741 in the DTCs/Freeze Data in A/T Mode Menu for a pass/fail.

Does the result indicate PASSED?

YES - Troubleshooting is complete.■

NO - Return to step 5 and recheck.