

# Automatic Transmission

## DTC Troubleshooting (cont'd)

### DTC P0747: A/T Clutch Pressure Control Solenoid Valve A Stuck ON

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).

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 4 on page 14-209) 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, then go to step 13.

**NO**—Replace the ATF (see page 14-209), then go to step 4.

4. Turn the ignition switch to ON (II).
5. Clear the DTC with the HDS.
6. Test-drive the vehicle with the shift lever in D, and let the transmission shift through all five gears.
7. Monitor the OBD STATUS for P0747 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. If the HDS indicates NOT COMPLETED, go to step 6.

8. Clear the DTC with the HDS.

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

*Does the HDS indicate NORMAL?*

**YES**—Intermittent failure, the system is OK at this time. ■

**NO**—Follow the instructions indicated on the HDS according to the test result, if the HDS has not determined the cause of the failure, go to step 10. If any part is replaced, go to step 11.

10. Inspect A/T clutch pressure control solenoid valve A (see page 14-196).

*Does A/T clutch pressure control solenoid valve A work properly?*

**YES**—Repair the hydraulic system related to shift valves B and E, or replace the transmission, then go to step 13.

**NO**—Replace A/T clutch pressure control solenoid valve A (see page 14-198), then go to step 11.

11. Turn the ignition switch to ON (II).

12. Clear the DTC with the HDS.

13. Test-drive the vehicle with the shift lever in D, and let the transmission shift through all five gears.



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

*Is DTC P0747 indicated?*

**YES**—Go to step 8.

**NO**—Go to step 15.

15. Monitor the OBD STATUS for P0747 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 14, go to the indicated DTC's troubleshooting. ■

**NO**—If the HDS indicates FAILED, go to step 8. If the HDS indicates NOT COMPLETED, go to step 13.

### **DTC P0752: Shift Solenoid Valve A Stuck ON**

**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).

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 4 on page 14-209) 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, then go to step 14.

**NO**—Replace the ATF (see page 14-209), then go to step 4.

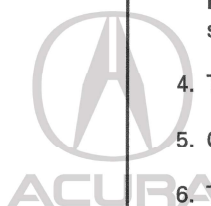
4. Turn the ignition switch to ON (II).
5. Clear the DTC with the HDS.
6. Test-drive the vehicle with the shift lever in D, and let the transmission shift through all five gears.
7. Monitor the OBD STATUS for P0752 in the DTCs MENU with the HDS.

*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. If the HDS indicates NOT COMPLETED, go to step 6.

8. Clear the DTC with the HDS.



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