Troubleshooting Flowchart — Lock-up Control System

- **OBD II Scan Tool indicates Code P0740.**
- **Self-diagnosis D4 indicator light indicates Code 40.**

Possible Cause
Faulty Lock-up control system

Check for Another Code
Check whether the OBD II scan tool or the D4 indicator light indicates another code.

Does the OBD II scan tool or the D4 indicator light indicate another code?

YES → **Perform the Troubleshooting Flowchart for the indicated Code(s). Recheck for code P0740 (40) after troubleshooting.**

NOTE: Do not continue with this troubleshooting until the causes of any other DTCs have been corrected.

NO

Test Line Pressure:
Measure the line pressure (see page 14-109 and 14-110).

Is the line pressure within the service limit?

NO → **Repair the hydraulic system as necessary (see page 14-110).**

YES

Replace the Torque Converter Clutch (Lock-up Control) Solenoid Valves A and B and Recheck:

1. Replace the torque converter clutch solenoid valves A and B (see page 14-87).
2. Turn the ignition switch OFF and reset the PCM by removing the BACK UP, RADIO fuse in the under-hood fuse/relay box for more than 10 seconds.
3. Using the OBD II scan tool, check that the engine coolant temperature is 176°F (80°C) and above.
4. Drive the vehicle at 55 mph (88 km/h) constantly for more than one minute.
5. Recheck for code P0740 (40).

Does the OBD II scan tool or the D4 indicator light indicate another code?

NO → **The system is OK at this time.**

YES

Replace the transmission and torque converter.