P0741 / P0742: TCC Circuit Performance or Stuck OFF / TCC Circuit Stuck ON

DTC Detecting Condition and Trouble Area

DTC P0741

DTC detecting condition	Trouble area
When driving vehicle with 3rd or 4th gear in "D" range, difference in revolution between engine and A/T input (input shaft speed) is larger than specification although TCM commanded TCC solenoid valve to turn ON.	• Mechanical malfunction of TCC • solenoid valve Malfunction of • valve body assembly Fluid • passage clogged or leaking Torque converter clutch malfunction

DTC P0742

DTC detecting condition	Trouble area
When driving vehicle with 2nd, 3rd or 4th gear in "D" range, difference in revolution between engine and A/T input (input shaft speed) is smaller than specification although TCM commanded TCC solenoid valve to turn OFF.	• Mechanical malfunction of TCC • solenoid valve Malfunction of • valve body assembly Fluid • passage clogged or leaking Torque converter clutch malfunction

DTC Confirmation Procedure

1) Connect scan tool to DLC with ignition switch OFF, if available.
2) Clear DTC in TCM memory.
3) Start engine and warm it up to normal operating temperature.
4) Shift select lever to "N" and "D" range for each 10 seconds.
5) Drive vehicle with 3rd or 4th gear in "D" range and lock-up ON for 2 seconds or longer referring to "A/T System Diagram".
6) Shift select lever to "3" range.
7) Drive vehicle with 2nd or 3rd gear in "3" range, 15 – 30% throttle opening and at vehicle speed of 25 – 40 km/h (16 – 25 mile/h) at least for 1 second.
8) Stop vehicle and turn ignition switch OFF.
9) Repeat Step 3) to 7) one time.

10) Stop vehicle and check DTC.

DTC Troubleshooting

Step	Action	Yes	No
1	Was "A/T System Check" performed?	Go to Step 2.	Go to "A/T System Check".
2	1) Check TCC solenoid valve for operation referring to "Solenoid Valves (Shift Solenoid Valves and Timing Solenoid Valve) Inspection". Are they in good condition?	Clean fluid passage or replace valve body assembly.	Replace TCC solenoid valve.