

P0756 / P0757 Shift Solenoid-B Performance or Stuck OFF / Shift Solenoid-B Stuck ON

DTC Detecting Condition and Trouble Area

DTC Detecting Condition	Trouble Area
<p>DTC P0756: When one of the following condition was detected while vehicle running at 5 km/h (3.1 mile/h) or more in "D" range after engine being warmed up.</p> <ul style="list-style-type: none"> • 1st gear ratio is detected although TCM command is for 2nd gear (See table below *1) Or • 4th gear ratio is detected although TCM command is for 3rd gear (See table below *2) (2 driving cycle detection logic) <p>When one of the following condition was detected while vehicle running at 5 km/h (3.1 mile/h) or more in "D" range after engine being warmed up.</p> <ul style="list-style-type: none"> • 2nd gear ratio is detected although TCM command is for 1st gear (See table below *3). <p>Or</p> <ul style="list-style-type: none"> • 3rd gear ratio is detected although TCM command is for 4th gear (See table below *4). <p>(2 driving cycle detection logic)</p>	<ul style="list-style-type: none"> • Mechanical malfunction of shift solenoid valve- B. • Malfunction of valve body assembly. Fluid passage clogged or leaking. <p>Mechanical malfunction of automatic transmission (clutch, brake or gear etc).</p>

Table for detecting condition

TCM output gear position		1st	2nd	3rd	4th
Actual gear position	Stuck OFF (DTC P0756)	1st	1st *1	4th *2	4th
	Stuck ON (DTC P0757)	2nd *3	2nd	3rd	3rd *4

- 1) Connect scan tool to DLC with ignition switch OFF.
- 2) Clear DTCs in TCM and ECM memories by using scan tool.
- 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) Start vehicle and increase vehicle speed to 65 km/h (40 mile/h) with throttle position 10% or more.
- 6) Stop vehicle and turn ignition switch OFF.
- 7) Repeat Step 3) to 5) one time.
- 8) Stop vehicle.
- 9) Check DTC, pending DTC and freeze-frame data.

DTC Troubleshooting

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