

DTC P0751:00 [FW6A-EL, FW6AX-EL]

id050227818600

DTC P0751:00	Shift solenoid No.1 stuck off
DETECTION CONDITION	<ul style="list-style-type: none">• Under the following conditions, shift solenoid No.1 stuck-off detected by combination of gear ratio malfunction and oil pressure switch pattern malfunction:<ul style="list-style-type: none">— Engine is running.— ATF temperature is 20 °C {68 °F} or more.— There is no difference between vehicle speed signal from DSC HU/CM and output shaft speed sensor signal.— Turbine/input shaft speed sensor and output shaft speed sensor DTC is not recorded. <p>Diagnostic support note</p> <ul style="list-style-type: none">• The check engine light illuminates if the TCM detects the above malfunction condition in two consecutive drive cycles or in one drive cycle while the DTC for the same malfunction has been stored in the TCM.• The automatic transaxle warning light illuminates if the TCM detects the above malfunction condition in two consecutive drive cycles or in one drive cycle while the DTC for the same malfunction has been stored in the TCM.• PENDING CODE is available.• FREEZE FRAME DATA is available.• DTC is stored in the TCM memory.
FAIL-SAFE FUNCTION	<ul style="list-style-type: none">• Inhibits malfunctioning gear.• Limits engine torque.• Inhibits learning control.• Inhibits manual mode.• Inhibits neutral idle control.• Inhibits i-stop control.• Inhibits AAS.
POSSIBLE CAUSE	<ul style="list-style-type: none">• ATF is less than specified value• Shift solenoid No.1 malfunction• Control valve body malfunction
SYSTEM WIRING DIAGRAM	Not applicable

Diagnostic procedure

STEP	INSPECTION		ACTION
1	VERIFY DTC OUTPUT STATUS <ul style="list-style-type: none">• Is the DTC P1738:00 also present?	Yes	Go to the applicable DTC inspection. (See DTC P1738:00 [FW6A-EL, FW6AX-EL].)
		No	Go to the next step.
2	VERIFY FREEZE FRAME DATA/SHOT DATA HAS BEEN RECORDED <ul style="list-style-type: none">• Has the freeze frame data/snapshot data been recorded on the repair order?	Yes	Go to the next step.
		No	Record the freeze frame data/snapshot data on the repair order, then go to the next step.
3	VERIFY RELATED SERVICE INFORMATION AVAILABILITY <ul style="list-style-type: none">• Verify related Service Information availability.• Is any related Service Information available?	Yes	Perform repair or diagnosis according to the available Service Information. <ul style="list-style-type: none">• If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
4	INSPECT ATF LEVEL <ul style="list-style-type: none">• Inspect the ATF level. (See AUTOMATIC TRANSAXLE FLUID (ATF) INSPECTION [FW6A-EL, FW6AX-EL].)• Is there any malfunction?	Yes	Adjust the ATF level to the specification, then go to the next step. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [FW6A-EL, FW6AX-EL].)
		No	Replace the control valve body, then go to the next step. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [FW6A-EL, FW6AX-EL].)

STEP	INSPECTION	ACTION	
5	PERFORM ON-BOARD DIAGNOSTIC TEST <ul style="list-style-type: none"> Perform the following procedure to ensure that the DTC has been resolved: <ol style="list-style-type: none"> Start the engine. Verify that the ATF temperature is 55 °C {131 °F} or more. Perform the on-board diagnostic test. (See ON-BOARD DIAGNOSTIC TEST MODE [FW6A-EL, FW6AX-EL].) Are any the following DTCs displayed? <ul style="list-style-type: none"> P0751:00, P0843:00 	Yes	ATF amount in Step 4 is correct: <ul style="list-style-type: none"> Replace the automatic transaxle, then drive the vehicle to check it, and if there is no problem then the DTC troubleshooting is complete. (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [FW6A-EL].) (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [FW6AX-EL].) ATF amount adjusted in Step 4: <ul style="list-style-type: none"> Replace the control valve body, then go to the next step. (See CONTROL VALVE BODY REMOVAL/ INSTALLATION [FW6A-EL, FW6AX-EL].)
		No	No DTCs are displayed: <ul style="list-style-type: none"> Drive the vehicle to check it, and if there is no problem then the DTC troubleshooting is complete. If a DTC other than the one indicated on the left is displayed: <ul style="list-style-type: none"> Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL])
6	RE-PERFORM ON-BOARD DIAGNOSTIC TEST <ul style="list-style-type: none"> Perform the following procedure to ensure that the DTC has been resolved: <ol style="list-style-type: none"> Start the engine. Verify that the ATF temperature is 55 °C {131 °F} or more. Perform the on-board diagnostic test. (See ON-BOARD DIAGNOSTIC TEST MODE [FW6A-EL, FW6AX-EL].) Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)
		No	DTC troubleshooting completed.