

# **DTC P1738:00 [FW6A-EL, FW6AX-EL]**

id050227578400

<b>DTC P1738:00</b>	<b>Automatic transaxle internal malfunction</b>
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"> <li>Malfunction location cannot be determined based on combination of gear ratio malfunction and oil pressure switch pattern malfunction.</li> </ul> <b>Diagnostic support note</b> <ul style="list-style-type: none"> <li>The check engine light does not illuminate.</li> <li>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.</li> <li>PENDING CODE is available.</li> <li>FREEZE FRAME DATA is not available.</li> <li>DTC is stored in the TCM memory.</li> </ul>
<b>FAIL-SAFE FUNCTION</b>	<ul style="list-style-type: none"> <li>Inhibits learning control.</li> <li>Inhibits manual mode.</li> <li>Inhibits neutral idle control.</li> <li>Inhibits i-stop control.</li> <li>Inhibits AAS.</li> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>ATF is less than specified value</li> <li>Automatic transaxle internal malfunction</li> </ul>
<b>SYSTEM WIRING DIAGRAM</b>	Not applicable

## **Diagnostic procedure**

<b>STEP</b>	<b>INSPECTION</b>	<b>ACTION</b>
1	<b>INSPECT ATF LEVEL</b> <ul style="list-style-type: none"> <li>Inspect the ATF level. (See AUTOMATIC TRANSAXLE FLUID (ATF) INSPECTION [FW6A-EL, FW6AX-EL].)</li> <li>Is there any malfunction?</li> </ul>	Yes Go to Step 4.
		No Adjust the ATF level to the specification, then go to the next step. (See AUTOMATIC TRANSAXLE FLUID (ATF) ADJUSTMENT [FW6A-EL, FW6AX-EL].)
2	<b>PERFORM ON-BOARD DIAGNOSTIC TEST TO SPECIFY MALFUNCTIONING PART</b> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>If only DTCs in which the malfunctioning part is not confirmed are displayed as in the following DTCs, all of the diagnosis may not have been completed. In such cases, the malfunction cause can be determined by performing the on-board diagnostic test.</li> </ul> <ul style="list-style-type: none"> <li>Perform the on-board diagnostic test. (See ON-BOARD DIAGNOSTIC TEST MODE [FW6A-EL, FW6AX-EL].)</li> <li>Are any DTCs present?</li> </ul>	Yes DTC P1738:00 is displayed: <ul style="list-style-type: none"> <li>Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [FW6A-EL].)</li> <li>(See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [FW6AX-EL].)</li> </ul> DTC other than P1738:00 is displayed: <ul style="list-style-type: none"> <li>Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)</li> </ul>
		No Go to the next step.
3	<b>DRIVE VEHICLE AND VERIFY DTCs</b> <ul style="list-style-type: none"> <li>Stop the engine.</li> <li>Drive the vehicle for <b>5 min or more</b> after the engine restarts.</li> <li>Perform the DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FW6A-EL, FW6AX-EL].)</li> <li>Are any DTCs present?</li> </ul>	Yes DTC P1738:00 is displayed: <ul style="list-style-type: none"> <li>Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [FW6A-EL].)</li> <li>(See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [FW6AX-EL].)</li> </ul> DTC other than P1738:00 is displayed: <ul style="list-style-type: none"> <li>Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)</li> </ul>
		No No DTCs are displayed: <ul style="list-style-type: none"> <li>DTC troubleshooting completed.</li> </ul>

STEP	INSPECTION	ACTION	
4	<b>PERFORM ON-BOARD DIAGNOSTIC TEST</b> <ul style="list-style-type: none"> <li>Perform the on-board diagnostic test. (See ON-BOARD DIAGNOSTIC TEST MODE [FW6A-EL, FW6AX-EL].)</li> <li>Are any DTCs present?</li> </ul>	Yes	DTC P1738:00 is displayed: <ul style="list-style-type: none"> <li>Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6A-EL].)</li> <li>(See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6AX-EL].)</li> </ul> DTC other than P1738:00 is displayed: <ul style="list-style-type: none"> <li>Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)</li> </ul>
		No	Go to the next step.
5	<b>DRIVE VEHICLE AND VERIFY DTCs</b> <ul style="list-style-type: none"> <li>Stop the engine.</li> <li>Drive the vehicle for <b>5 min or more</b> after the engine restarts.</li> <li>Perform the DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FW6A-EL, FW6AX-EL].)</li> <li>Are any DTCs present?</li> </ul>	Yes	DTC P1738:00 is displayed: <ul style="list-style-type: none"> <li>Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6A-EL].)</li> <li>(See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [FW6AX-EL].)</li> </ul> DTC other than P1738:00 is displayed: <ul style="list-style-type: none"> <li>Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)</li> </ul>
		No	Replace the control valve body. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [FW6A-EL, FW6AX-EL].)