

# DTC P1784:00 [GW6A-EL, GW6AX-EL]

id050230905200

<b>DTC P1784:00</b>	<b>Hi cut valve stuck off/R-3-5 cut valve stuck on</b>
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"> <li>Under the following conditions, hi cut valve stuck-off or R-3-5 cut valve stuck-on detected by combination of gear ratio malfunction and oil pressure switch pattern malfunction: <ul style="list-style-type: none"> <li>Engine is running.</li> <li>ATF temperature is <b>20 °C {68 °F} or more</b>.</li> <li>There is no difference between vehicle speed signal from DSC HU/CM and output shaft speed sensor signal.</li> <li>Turbine/input shaft speed sensor and output shaft speed sensor DTC is not recorded.</li> </ul> </li> </ul> <p><b>Diagnostic support note</b></p> <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 malfunctioning gear.</li> <li>Limits engine torque.</li> <li>Inhibits learning control.</li> <li>Inhibits neutral idle control.</li> <li>Inhibits i-stop control.</li> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>ATF is less than specified value</li> <li>Hi cut valve malfunction</li> <li>R-3-5 cut valve malfunction</li> <li>Clutch burnt</li> </ul>
<b>SYSTEM WIRING DIAGRAM</b>	Not applicable

## Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>VERIFY RELATED SERVICE INFORMATION AVAILABILITY</b> <ul style="list-style-type: none"> <li>Verify related Service Information availability.</li> <li>Is any related Service Information available?</li> </ul>	Yes Perform repair or diagnosis according to the available Service Information. • If the vehicle is not repaired, go to the next step.
		No Go to the next step.
2	<b>INSPECT ATF LEVEL</b> <ul style="list-style-type: none"> <li>Inspect the ATF level. (See AUTOMATIC TRANSAXLE FLUID (ATF) INSPECTION [GW6A-EL, GW6AX-EL].)</li> <li>Is there any malfunction?</li> </ul>	Yes Adjust the ATF level to the specification, then go to the next step. (See AUTOMATIC TRANSAXLE FLUID (ATF) REPLACEMENT [GW6A-EL, GW6AX-EL].)
		No Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [GW6A-EL].) (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [GW6AX-EL].)
3	<b>PERFORM STALL TEST TO VERIFY DTCs</b> <ul style="list-style-type: none"> <li>Clear the DTC using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [GW6A-EL, GW6AX-EL].)</li> <li>Perform the stall test in the reverse (R) position. (See MECHANICAL SYSTEM TEST [GW6A-EL, GW6AX-EL].)</li> <li>Perform the DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [GW6A-EL, GW6AX-EL].)</li> <li>Are any DTCs present?</li> </ul>	Yes Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [GW6A-EL].) (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [GW6AX-EL].)
		No Go to the next step.

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 [GW6A-EL, GW6AX-EL].)</li> <li>Are any DTCs present?</li> </ul>	Yes	Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [GW6A-EL].) (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [GW6AX-EL].)
		No	Drive the vehicle for <b>10 min or more</b> . DTCs are displayed: <ul style="list-style-type: none"> <li>Replace the automatic transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [GW6A-EL].)                (See AUTOMATIC TRANSAXLE REMOVAL/INSTALLATION [GW6AX-EL].)</li> </ul> No DTCs are displayed: <ul style="list-style-type: none"> <li>DTC troubleshooting completed.</li> </ul>