

**DTC P0717:00 [GW6A-EL, GW6AX-EL]**

id050230821300

<b>DTC P0717:00</b>	<b>Open circuit in turbine/input shaft speed sensor circuit</b>
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"> <li>Under the following conditions, the turbine/input shaft speed sensor signal is not input for <b>1 s</b>: <ul style="list-style-type: none"> <li>Engine is running.</li> <li>Vehicle speed signal related DTC is not recorded.</li> <li>Vehicle speed is <b>16 km/h {9.9 mph} 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>DTC U0121:00 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 illuminates if the TCM detects the above malfunction condition during the first drive cycle.</li> <li>The automatic transaxle warning light illuminates if the TCM detects the above malfunction condition during the first drive cycle.</li> <li>PENDING CODE is available.</li> <li>FREEZE FRAME DATA is available.</li> <li>DTC is stored in the TCM memory.</li> </ul>
<b>FAIL-SAFE FUNCTION</b>	<ul style="list-style-type: none"> <li>Set to TCC control.</li> <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> <li>Inhibits 5GR and 6GR.</li> <li>Inhibits shift down when the accelerator pedal is depressed.</li> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>Turbine/input shaft speed sensor malfunction</li> </ul>
<b>SYSTEM WIRING DIAGRAM</b>	Not applicable

**Diagnostic procedure**

STEP	INSPECTION	ACTION
1	<b>VERIFY FREEZE FRAME DATA/SHOT DATA HAS BEEN RECORDED</b> <ul style="list-style-type: none"> <li>Has the freeze frame data/snapshot data been recorded on the repair order?</li> </ul>	Yes Go to the next step.
		No Record the freeze frame data/snapshot data on the repair order, then go to the next step.
2	<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. <ul style="list-style-type: none"> <li>If the vehicle is not repaired, replace the control valve body. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)</li> </ul> Go to the next step.
		No Replace the control valve body, then go to the next step. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
3	<b>VERIFY DTC TROUBLESHOOTING COMPLETED</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 following procedure to ensure that the DTC has been resolved: <ol style="list-style-type: none"> <li>Drive the vehicle for <b>1 s or more</b> under the following condition: <ul style="list-style-type: none"> <li>Vehicle speed: <b>16 km/h {9.9 mph} or more</b></li> </ul> </li> </ol> </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 Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [GW6A-EL, GW6AX-EL].)
		No DTC troubleshooting completed.