

# DTC P0872:00 [FW6A-EL, FW6AX-EL]

id050227904700

<b>DTC P0872:00</b>	<b>Oil pressure switch No.3 stuck on</b>
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"> <li>Under the following conditions, oil pressure switch No.3 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 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>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 available.</li> <li>DTC is stored in the TCM memory.</li> </ul>
<b>FAIL-SAFE FUNCTION</b>	<ul style="list-style-type: none"> <li>Limits engine torque.</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> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>Oil pressure switch No.3 malfunction</li> </ul>
<b>SYSTEM WIRING DIAGRAM</b>	Not applicable

## Diagnostic procedure

STEP	INSPECTION		ACTION
1	<b>VERIFY DTC OUTPUT STATUS</b> • 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	<b>VERIFY FREEZE FRAME DATA/SHOT DATA HAS BEEN RECORDED</b> • 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	<b>VERIFY RELATED SERVICE INFORMATION AVAILABILITY</b> • Verify related Service Information availability. • Is any related Service Information available?	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.
4	<b>PERFORM ON-BOARD DIAGNOSTIC TEST</b> • Perform the following procedure to ensure that the DTC has been resolved: 1. Start the engine. 2. Verify that the ATF temperature is <b>55 °C {131 °F} or more</b> . • Perform the on-board diagnostic test. (See ON-BOARD DIAGNOSTIC TEST MODE [FW6A-EL, FW6AX-EL].) • Are P0872:00 present?	Yes	Replace the oil pressure switch No.3, then go to the next step. (See OIL PRESSURE SWITCH REMOVAL/ INSTALLATION [FW6A-EL, FW6AX-EL].)
		No	No DTCs are displayed: • 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: • Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)

STEP	INSPECTION	ACTION	
5	<b>RE-PERFORM ON-BOARD DIAGNOSTIC TEST</b> <ul style="list-style-type: none"><li>Perform the following procedure to ensure that the DTC has been resolved:<ol style="list-style-type: none"><li>Start the engine.</li><li>Verify that the ATF temperature is <b>55 °C {131 °F} or more.</b></li></ol></li><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	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)
		No	DTC troubleshooting completed.