

DTC U0115:00 [GW6A-EL, GW6AX-EL]

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DTC U0115:00	Communication error to PCM (local CAN between TCM and PCM)
DETECTION CONDITION	<ul style="list-style-type: none"> Under the following condition, the TCM cannot receive the signal from PCM (local CAN between TCM and PCM): <ul style="list-style-type: none"> Battery voltage is 10 V or more. <p>Diagnostic support note</p> <ul style="list-style-type: none"> The check engine light illuminates if the TCM detects the above malfunction condition during the first drive cycle. The automatic transaxle warning light does not illuminate. 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"> Set to TCC control. Inhibits learning control. Inhibits manual mode. Inhibits neutral idle control. Inhibits i-stop control. Inhibits AAS. Inhibits 5GR and 6GR. Inhibits shift down when the accelerator pedal is depressed.
POSSIBLE CAUSE	<ul style="list-style-type: none"> PCM DTC is stored. PCM malfunction TCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

Diagnostic procedure

STEP	INSPECTION		ACTION
1	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.
2	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. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
3	VERIFY PCM DTC <ul style="list-style-type: none"> Perform the PCM DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)
		No	PCM can be considered the cause. • Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
4	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> Clear the DTC using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [GW6A-EL, GW6AX-EL].) Perform the following procedure to ensure that the DTC has been resolved: <ul style="list-style-type: none"> Switch the ignition ON (engine off or on). Perform the DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [GW6A-EL, GW6AX-EL].) Is the same DTC present? 	Yes	Replace the control valve body, then go to the next step. (See CONTROL VALVE BODY REMOVAL/INSTALLATION [GW6A-EL, GW6AX-EL].)
		No	Go to the next step.
5	VERIFY NO DTC IS PRESENT <ul style="list-style-type: none"> Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [GW6A-EL, GW6AX-EL].)
		No	DTC troubleshooting completed.