

DTC P0713:00 [GW6A-EL, GW6AX-EL]

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DTC P0713:00	TFT sensor circuit high input
DETECTION CONDITION	<ul style="list-style-type: none"> Under the following conditions, the ATF temperature is -40 °C {-40 °F} or less for 5 s: <ul style="list-style-type: none"> Battery voltage is 8 V or more. IAT is -25 °C {-13 °F} or more. IAT sensor related DTC is not recorded. Diagnostic support note 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. 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. 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"> Inhibits learning control. Inhibits neutral idle control. Inhibits i-stop control.
POSSIBLE CAUSE	<ul style="list-style-type: none"> TFT sensor malfunction
SYSTEM WIRING DIAGRAM	Not applicable

Diagnostic procedure

STEP	INSPECTION		ACTION
1	VERIFY IAT SENSOR PENDING CODE/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 IAT sensor pending codes/DTCs present? 	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)
		No	Go to the next step.
2	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.
3	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, replace the coupler component. (See COUPLER COMPONENT REMOVAL/ INSTALLATION [GW6A-EL, GW6AX-EL].) Go to the next step.
		No	Replace the coupler component, then go to the next step. (See COUPLER COMPONENT REMOVAL/ INSTALLATION [GW6A-EL, GW6AX-EL].)
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: <ol style="list-style-type: none"> Switch the ignition to ON (engine off or on) and wait for 5 s or more. Verify that the IAT is -25 °C {-13 °F} or more. Perform the DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [GW6A-EL, GW6AX-EL].) 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.