

2012 - Mazda6 - Transmission/ Transaxle

DTC P0713:00 [AY6A-EL]

DTC P0713:00	TFT sensor circuit high
DETECTI ON CONDI TION	• Conditions: Engine warmed-up and running, TCM communication normal • Circumstances: ATF temperature of below -55 °C {-67 °F} detected • Time period: Determined after 12 times lasting 1 or more seconds Diagnostic support note: • The MIL illuminates if the TCM detects the above malfunction condition during the first drive cycle. • The AT warning light illuminates. • PENDING CODE is not available. • FREEZE FRAME DATA is available. • The DTC is stored in the TCM memory.
FAI L-SAFE FUNCTI ON	• Inhibits learning control • Inhibits slip control • Fixes ATF temperature value at 80 °C {176 °F}
POSSI BLE CAUSE	• Coupler component connector or terminal malfunction • Open circuit in wiring harness between TFT sensor and TCM terminal B8 • Open circuit in wiring harness between TFT sensor and TCM terminal B7 • TFT sensor malfunction • TCM malfunction

	(See TRANSAXLE FLUID TEMPERATURE (TFT) SENSOR INSPECTION [AY6A-EL] .) Is there any malfunction?	(See REMOVAL/ INSTALLATION [AY6A-EL] .) No Go to the next step.
6	VERIFY DTC TROUBLESHOOTING COMPLETED - Make sure to reconnect all the disconnected connectors. - Clear the DTC using the M-MDS. - Perform the following procedure to ensure that the DTC has been resolved: - Start the engine. - Warm up the engine to normal operating temperature. - Drive the vehicle in D position for 150 s or more. - Is the same DTC present?	Yes Replace the TCM, then go to the next step. (See TCM REMOVAL/ INSTALLATION [AY6A-EL] .) No Go to the next step.
7	VERIFY NO DTCs ARE PRESENT - Perform the "Reading DTCs Procedure". (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [AY6A-EL] .) - Are any DTCs present?	Yes Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [AY6A-EL] .) No DTC troubleshooting completed.

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