

2012 - Mazda6 - Transmission/ Transaxle

DTC U0415:00 [AY6A-EL]

DTC U0415:00	Invalid data received from DSC HU/CM
DETECTION CONDITION	• Conditions: TCM communication normal • Circumstances: Each wheel speed abnormality detected • Time period: Determined after 1 times Diagnostic support note: • The MIL does not illuminate. • The AT warning light does not illuminate. • PENDING CODE is not available. • FREEZE FRAME DATA is available. • The DTC is stored in the TCM memory.
FAIL-SAFE FUNCTION	• Inhibits learning control
POSSIBLE CAUSE	• DSC HU/CM malfunction • TCM malfunction
SYSTEM WIRING DIAGRAM	—

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED	YesGo to the next step.
	• Has the FREEZE FRAME DATA been recorded on the repair order?	No Record the FREEZE FRAME DATA on the repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY	YesPerform repair or diagnosis according to the available repair information.
	• Verify related Service Bulletins	• If the vehicle is not

	and/or on-line repair information availability. Is any related repair information available?		repaired, go to the next step.
		No	Go to the next step.
3	VERIFY DTC IS PRESENT - Switch the ignition ON (Engine off). - Read the DTC in the DSC HU/CM. - Are any DTCs stored?	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].)
		No	Go to the next step.
4	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 0.5 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.
5	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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