

2012 - Mazda6 - Engine

DTC P0604:00 [MZI 3.7 V6]

DTC P0604:00	Internal control module random access memory (RAM) error
DETECTION CONDITION	Indicates the PCM RAM has been corrupted.
POSSIBLE CAUSE	- Module reprogramming - Aftermarket performance products. - PCM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED Has FREEZE FRAME DATA been recorded?	Yes Go to the next step.
		No Record FREEZE FRAME DATA on the repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY - Verify related Service Bulletins and/or on-line repair information availability. - Is any related Service Bulletins available?	Yes Perform repair or diagnosis according to the available Service Bulletins. If the vehicle is not repaired, go to the next step.
		No Perform PCM reprogramming using the M-MDS, then go to the next step.
3	VERIFY TROUBLESHOOTING OF P0604:00 HAS BEEN COMPLETED - Verify that all disconnected connectors are reconnected. - Switch the ignition ON (Engine off). - Clear the DTC from the PCM memory using the M-MDS.	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No Go to the next step.

	• Perform the KOEO or KOER self-test. (See KOEO/ KOER SELF TEST [MZI 3.7 V6] .) • Retrieve DTCs using the M-MDS. • Is the PENDING CODE for this DTC present?		
4	VERI FY AFTER REPAI R PROCEDURE • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAI R PROCEDURE [MZI 3.7 V6] .) • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZI 3.7 V6] .)
		No	Troubleshooting completed.

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