

2012 - Mazda6 - Engine

DTC P060A:00, P060C:00, P061D:00 [MZR 2.5]

DTC P060A:00	Internal control module monitoring processor performance problem
DTC P060C:00	Internal control module main processor performance problem
DTC P061D:00	Internal control module engine air mass performance problem
DETECTION CONDITION	- Indicates an error occurred in the PCM. Diagnostic support note - This is a continuous monitor (CCM). - The MIL illuminates if the PCM detects the above malfunction condition in the first drive cycle. - FREEZE FRAME DATA (Mode 2)/Snapshot is available. - The DTC is stored in the PCM memory.
POSSIBLE CAUSE	- PCM connector or terminal malfunction - Software incompatibility issue - PCM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA (MODE 2) / SNAPSHOT DATA HAS BEEN RECORDED	Yes Go to the next step.
	Has the FREEZE FRAME DATA (Mode 2)/snapshot data been recorded?	No Record the FREEZE FRAME DATA (Mode 2)/snapshot 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.	Yes Perform repair or diagnosis according to the available repair information. If the vehicle is not repaired, go to the next step.

	Is any related repair information available?	No	Go to the next step.
3	INSPECT PCM CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the PCM connector. - Inspect for poor connection (such as damaged/pulled-out pins, corrosion). - Is there any malfunction?	Yes	Repair or replace the terminal and/or connector, then go to Step 5.
		No	Connect the PCM connector and verify that the connector seat correctly, then go to the next step.
4	INSPECT PCM FOR LATEST CALIBRATION - Program the PCM to the latest calibration. - Switch the ignition to off. - Perform the KOEO self test. (See KOEO/ KOER SELF TEST [MZR 2.5].) - Switch the ignition to off. - Perform the KOER self test. (See KOEO/ KOER SELF TEST [MZR 2.5].) - Use the customer information to recreate the concern. - Perform the KOEO or KOER self test. (See KOEO/ KOER SELF TEST [MZR 2.5].) - Is the same DTC present?	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZR 2.5] .)
		No	Go to the next step.
5	VERIFY DTC TROUBLESHOOTING COMPLETED - Make sure to reconnect the disconnected connectors. - Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [MZR 2.5].) - Perform the KOEO or KOER self test. (See KOEO/ KOER SELF TEST	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the PCM. (See PCM REMOVAL/ INSTALLATION [MZR 2.5].) Go to the next step.
		No	Go to the next step.

	[MZR 2.5] .) Is the same DTC present?		
6	VERIFY AFTER REPAIR PROCEDURE - Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [MZR 2.5] .) - Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZR 2.5] .)
		No	DTC troubleshooting completed.

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2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY Verify related Service Bulletins and/or on-line repair information availability.	Yes Perform repair or diagnosis according to the available repair information. If the vehicle is not repaired, go to the next step.

	Is any related repair information available?	No	Go to the next step.
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		No	Go to the next step.

	[MZR 2.5] .) Is the same DTC present?		
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		No	DTC troubleshooting completed.