

2012 - Mazda6 - Engine

DTC P2107:00 [MZR 2.5]

DTC P2107:00	Throttle valve actuator control module processor error
DETECTION CONDITION	- The throttle valve actuator control module internal processor error. 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 data is available. - The DTC is stored in the PCM memory.
POSSIBLE CAUSE	- Throttle actuator control module internal processor malfunction - 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	Yes Perform repair or diagnosis according to the available repair information.
	- Verify related Service Bulletins and/or on-line repair information availability. - Is any related repair information available?	No Go to the next step.
3	INSPECT THROTTLE VALVE ACTUATOR Inspect the throttle valve	Yes Replace the throttle body, then go to the next step.

	actuator. (See THROTTLE BODY INSPECTION [MZR 2.5].) Is there any malfunction?		(See INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION [MZR 2.5].)
		No	Go to the next step.
4	VERIFY DTC TROUBLESHOOTING COMPLETED - Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [MZR 2.5].) - Perform the 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 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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POSSIBLE CAUSE	- Throttle actuator control module internal processor malfunction - PCM malfunction

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2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY	Yes Perform repair or diagnosis according to the available repair information.
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		No	Go to the next step.
5	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.