

2012 - Mazda6 - Engine

DTC P0069:00 [MZR 2.5]

DTC P0069:00	Manifold absolute pressure/atmospheric pressure correlation
DETECTION CONDITION	- The PCM monitors difference between intake manifold vacuum and atmospheric pressure. If the difference is below –12 kPa {–90 mmHg, –3.5 inHg} or above 12 kPa { 90 mmHg, 3.5 inHg} when the following conditions are met, the PCM determines that there is a MAP sensor performance problem. MONITORING CONDITIONS ▪ 12—15 s from when ignition is switched off Diagnostic support note - This is a continuous monitor (CCM). - The MIL illuminates if the PCM detects the above malfunction condition in two consecutive drive cycles or in one drive cycle while the DTC for the same malfunction has been stored in the PCM. - PENDING CODE is available if the PCM detects the above malfunction condition during the first drive cycle. - FREEZE FRAME DATA (Mode 2)/Snapshot data is available. - The DTC is stored in the PCM memory.
POSSIBLE CAUSE	- MAP sensor malfunction or substandard performance - BARO sensor malfunction or substandard performance - PCM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	IDENTIFY TRIGGER DTC FOR FREEZE FRAME DATA (MODE 2)	YesGo to the next step.
	Is the DTC P0069:00 on the FREEZE FRAME DATA (Mode 2)?	NoGo to troubleshooting procedures for DTC on FREEZE FRAME DATA (Mode 2).

			(See DTC TABLE [MZR 2.5] .)
2	VERIFY FREEZE FRAME DATA (MODE 2)/ SNAPSHOT DATA HAS BEEN RECORDED Has the FREEZE FRAME DATA (Mode 2)/snapshot data been recorded?	Yes Go to the next step.	
		No	Record the FREEZE FRAME DATA (Mode 2)/snapshot data on the repair order, then go to the next step.
3	VERIFY RELATED REPAIR INFORMATION AVAILABILITY - Verify related Service Bulletins and/or on-line repair information availability. - Is any related repair information available?	Yes Perform repair or diagnosis according to the available repair information. If the vehicle is not repaired, go to the next step.	
		No	Go to the next step.
4	VERIFY STORED DTC - Switch the ignition to off, then start the engine. - Have the DTC P0107:00, P0108:00, P2228:00 or P2229:00 been stored?	Yes Go to the applicable DTC inspection. (See DTC P0107:00 [MZR 2.5] .) (See DTC P0108:00 [MZR 2.5] .) (See DTC P2228:00 [MZR 2.5] .) (See DTC P2229:00 [MZR 2.5] .)	
		No	Go to the next step.
5	INSPECT MAP SENSOR - Inspect the MAP sensor. (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR INSPECTION [MZR 2.5].) - Is there any malfunction?	Yes Replace the MAP sensor, then go to Step 7. (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR REMOVAL/ INSTALLATION [MZR 2.5] .)	
		No	Go to the next step.
6	INSPECT BARO SENSOR MALFUNCTION - Access the BARO PID using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [MZR 2.5].) - Is the value within the specification? (See PCM INSPECTION [MZR 2.5].)	Yes Go to the next step.	
		No	Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZR 2.5] .)
7	VERIFY DTC TROUBLESHOOTING COMPLETED Clear the DTC from the PCM	Yes Repeat the inspection from Step 1. If the malfunction recurs, replace the PCM.	

	memory using the M-MDS. (See AFTER REPAIR PROCEDURE [MZR 2.5].) • Start the engine and warm it up completely. • Perform the Pending Trouble Code Access Procedure. (See ON-BOARD DIAGNOSTIC TEST [MZR 2.5].) • Is the PENDING CODE for this DTC present?		(See PCM REMOVAL/ INSTALLATION [MZR 2.5].) Go to the next step.
		No	Go to the next step.
8	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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