

2012 - Mazda6 - Engine

DTC P2229:00 [MZR 2.5]

DTC P2229:00	BARO sensor circuit high input
DETECTION CONDITION	- The PCM monitors input voltage from the BARO sensor. If the input voltage is above 4.45 V for 5 s, the PCM determines that BARO sensor circuit has a malfunction. (TYPE A) - The PCM monitors input voltage from the BARO sensor. If the input voltage is above 4.53 V for 5 s, the PCM determines that BARO sensor circuit has a malfunction. (TYPE B) Diagnostic support note - This is a continuous monitor (CCM). - The MIL illuminates if 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 PCM memory.
POSSIBLE CAUSE	- BARO sensor malfunction - PCM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA (MODE 2)/ SNAPSHOT DATA HAS BEEN RECORDED	YesGo to the next step.
	Has the FREEZE FRAME DATA (Mode 2)/snapshot data been recorded?	NoRecord 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.	YesPerform 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 BARO SENSOR MALFUNCTION - Start the engine. - 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] .)
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 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 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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	Is any related repair information available?	No	Go to the next step.
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		No	Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZR 2.5] .)
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		No	DTC troubleshooting completed.