

2012 - Mazda6 - Engine

DTC P0454:00 [MZR 2.5]

DTC P0454:00	Fuel tank pressure sensor intermittent
DETECTION CONDITION	- The fuel tank pressure changes more than 356 mm { 14.0 in} of water in 0.1 s. 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	- Fuel tank pressure sensor malfunction - Intermittent open or short in the fuel tank pressure sensor or the fuel tank pressure sensor signal - 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	Yes Perform repair or diagnosis according to the available repair information.

	and/or on-line repair information availability. Is any related repair information available?		If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
3	VERIFY RELATED PENDING AND STORED DTC - Switch the ignition to off, then to ON (engine off). - Verify pending and stored DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [MZR 2.5].) - Are any other DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZR 2.5].)
		No	Go to the next step.
4	INSPECT FUEL TANK PRESSURE SENSOR - Inspect the fuel tank pressure sensor. (See FUEL TANK PRESSURE SENSOR INSPECTION [MZR 2.5].) - Is there any malfunction?	Yes	Replace the evaporative hose component, then go to the next step. (See FUEL TANK REMOVAL/ INSTALLATION [MZR 2.5].)
		No	Intermittent concern exists. Go to the "INTERMITTENT CONCERN TROUBLESHOOTING" procedure. (See INTERMITTENT CONCERN TROUBLESHOOTING [MZR 2.5].)
5	VERIFY DTC TROUBLESHOOTING COMPLETED - Make sure to reconnect all disconnected connectors. - 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 PENDING CODE for this 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.
6	VERIFY AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE".	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZR 2.5].)

	(See AFTER REPAIR PROCEDURE [MZR 2.5] .)		No DTC troubleshooting completed.
	• Are any DTCs present?		

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	and/or on-line repair information availability. Is any related repair information available?		If the vehicle is not repaired, go to the next step.
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		No	Go to the next step.
6	VERIFY AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE".	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZR 2.5].)

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	• Are any DTCs present?		