

2012 - Mazda6 - Engine

DTC P0460:00 [MZI 3.7 V6]

DTC P0460:00	Fuel level sensor circuit
DETECTION CONDITION	The PCM monitors the fuel level input communications network message for a concern. The test fails when the PCM determines that the value of the fuel level input signal is stuck. The PCM calculates the amount of fuel used during operation. If the fuel level input signal does not change or does not correspond with the calculated fuel usage, the DTC is set.
POSSIBLE CAUSE	- Empty fuel tank - Fuel pump malfunction - Incorrectly installed fuel gauge - Instrument cluster malfunction - Fuel level input signal circuit malfunction - Overfilled fuel tank - Fuel gauge malfunction - Stuck float arm

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED Has FREEZE FRAME DATA been recorded?	Yes Go to the next step.
		No Record FREEZE FRAME DATA on the repair order, then go to the next step.
2	VERIFY REPAIR INFORMATION AVAILABILITY Verify related Service Bulletins availability.	Yes Perform repair or diagnosis according to the available Service Bulletins. If the vehicle is not repaired, go to the next step.
		No Go to the next step.

	Is any related Service Bulletins available?		
3	VERIFY RELATED PENDING CODE OR STORED DTCs - Switch the ignition off then to the ON position (Engine off). - Verify related pending code or stored DTCs. - Is other DTCs present?	Yes	Go to the appropriate DTC troubleshooting. (See DTC TABLE [MZI 3.7 V6] .)
		No	Go to the next step.
4	VERIFY STORED DTC IN INSTRUMENT CLUSTER - Switch the ignition off then to the ON position (Engine off). - Verify stored DTCs in instrument cluster. - Is other DTCs present?	Yes	Go to the appropriate DTC inspection. (See DTC TABLE [INSTRUMENT CLUSTER] .)
		No	Go to the next step.
5	VERIFY TROUBLESHOOTING OF DTC P0460:00 HAS BEEN COMPLETED - Verify that all disconnected connectors reconnected. - Clear the DTC from the PCM memory using the M-MDS. - Perform the KOEO or KOER self-test. (See KOEO/ KOER SELF TEST [MZI 3.7 V6].) - Is the PENDING CODE for the DTC present?	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No	Go to the next step.
6	VERIFY AFTER REPAIR PROCEDURE Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [MZI 3.7 V6].)	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZI 3.7 V6] .)
		No	Troubleshooting completed.

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| | <ul style="list-style-type: none">• Are any DTCs present? | | |
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