

2012 - Mazda6 - Engine

DTC P0463:00 [MZI 3.7 V6]

DTC P0463:00	Fuel gauge sender unit circuit high input
DETECTION CONDITION	The PCM monitors the fuel level input communications network message for a concern. The test fails if the fuel level input signal is more than the maximum allowable calibrated parameter for a specified fuel-fill percentage in the fuel tank.
POSSIBLE CAUSE	- Fuel pump malfunction - Incorrectly installed fuel gauge - Instrument cluster malfunction - Fuel level input signal circuit malfunction - Overfilled fuel tank - Fuel gauge malfunction

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. - Is any related Service Bulletins available?	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.

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 P0463:00 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] .) • Are any DTCs present?		Yes Go to the applicable DTC inspection. (See DTC TABLE [MZI 3.7 V6] .) No Troubleshooting completed.

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		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. - Is any related Service Bulletins available?	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.

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 P0463:00 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] .) • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZI 3.7 V6] .)
		No	Troubleshooting completed.

