

2012 - Mazda6 - Engine

DTC P064D:00, P064E:00 [MZI 3.7 V6]

DTC P064D:00	Internal control module exhaust gas sensor processor performance (RH)
DTC P064E:00	Internal control module exhaust gas sensor processor performance (LH)
DETECTION CONDITION	- DTC P064D:00 indicates that internal control module exhaust gas sensor processor performance (RH). - DTC P064E:00 indicates that internal control module exhaust gas sensor processor performance (LH). - The PCM monitors the application-specific integrated circuit that controls and monitors the A/F sensor and/or HO2S. The test fails when the PCM detects an internal circuit or communication concern.
POSSIBLE CAUSE	- PCM malfunction - Influence of aftermarket product performance

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 RELATED REPAIR INFORMATION AVAILABILITY - Verify related Service Bulletins and/or on-line repair information 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	Yes Go to the appropriate DTC troubleshooting

	OR STORED DTCS - Switch the ignition switch off then ON (Engine off). - Verify related PENDING CODE or stored DTCS. - Are any other DTCS present?	procedures. (See DTC TABLE [MZI 3.7 V6] .)	
		No	Go to the next step.
4	VERIFY WHETHER MALFUNCTION IS IN AFTERMARKET PRODUCT PERFORMANCE OR ELSEWHERE - Replace the aftermarket product with originally equipped part. - 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 this DTC present?	Yes	Go to the next step.
		No	Explain to the customer that the cause of trouble is influence of aftermarket product performance.
5	VERIFY TROUBLESHOOTING OF DTC P064D:00, P064E:00 HAS BEEN COMPLETED - Verify that all disconnected connectors are reconnected. - Switch the ignition ON (Engine off). - 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 this 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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