

2012 - Mazda6 - Engine

DTC P0605:00 [MZI 3.7 V6]

DTC P0605:00	Internal control module read only memory (ROM) error
DETECTION CONDITION	• The PCM ROM has been corrupted.
POSSIBLE CAUSE	• An attempt was made to change the calibration • Module programming error • Aftermarket performance products • PCM 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 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 Perform PCM reprogramming using the M-MDS, then go to the next step.
3	VERIFY TROUBLESHOOTING OF DTC P0605:00 HAS BEEN COMPLETED • Verify that all disconnected connectors are reconnected. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [MZI	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No Go to the next step.

	3.7 V6].) • Perform the KOEO self-test. (See KOEO/ KOER SELF TEST [MZI 3.7 V6].) • Is the PENDING CODE for this DTC present?		
4	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.

2012 - Mazda6 - Engine

DTC P0605:00 [MZI 3.7 V6]

DTC P0605:00	Internal control module read only memory (ROM) error
DETECTION CONDITION	The PCM ROM has been corrupted.
POSSIBLE CAUSE	- An attempt was made to change the calibration - Module programming error - Aftermarket performance products - PCM 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 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 Perform PCM reprogramming using the M-MDS, then go to the next step.
3	VERIFY TROUBLESHOOTING OF DTC P0605:00 HAS BEEN COMPLETED - Verify that all disconnected connectors are reconnected. - Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [MZI	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No Go to the next step.

	3.7 V6].) • Perform the KOEO self-test. (See KOEO/ KOER SELF TEST [MZI 3.7 V6].) • Is the PENDING CODE for this DTC present?		
4	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.