

2012 - Mazda6 - Engine

DTC P0602:00 [MZR 2.5]

DTC P0602:00	PCM programming error
DETECTION CONDITION	- No configuration data in the PCM. NOTE: - If the "PCM CONFIGURATION" is successful, the PCM stores DTC P0602:00 and illuminates the MIL (system is normal). Clear the DTC P0602:00 using the M-MDS after the "PCM CONFIGURATION". - The MIL goes out after three drive cycles with no failure (DTCs remain in PCM). Diagnostic support note - This is a continuous monitor (CCM). - The MIL illuminates if the PCM detects the above malfunction condition in the first drive cycle. - FREEZE FRAME DATA (Mode 2)/Snapshot data is available. - The DTC is stored in the PCM memory.
POSSIBLE CAUSE	- Configuration has not been completed - 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	Yes Perform repair or diagnosis according to the available repair information.

	Verify related Service Bulletins 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	PERFORM PCM CONFIGURATION - Perform the PCM configuration. (See PCM CONFIGURATION [MZR 2.5].) - Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [MZR 2.5].) - Retrieve the DTC using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [MZR 2.5].) - Is the same DTC present?	Yes	Perform the PCM configuration again, then go to the next step. (See PCM CONFIGURATION [MZR 2.5].)
		No	Go to Step 5.
4	VERIFY DTC TROUBLESHOOTING COMPLETED - Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [MZR 2.5].) - Perform the KOEO or KOER self test. (See KOEO/ KOER SELF TEST [MZR 2.5].) - Is the same 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.
5	VERIFY AFTER REPAIR PROCEDURE - Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [MZR 2.5].) - Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZR 2.5].)
		No	DTC troubleshooting completed.

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