2012 - Mazda6 - Engine

DTC P06B8:00 [MZR 2.5]

DTC P06B8:00	Internal control module non-volatile random access memory error
DETECTION CONDITION	• The PCM internal EEPROM malfunction. **Diagnostic support note** • This is a continuous monitor (CCM). • The MIL illuminates if the PCM detects the above malfunction condition in first drive cycle. • FREEZE FRAME DATA (Mode 2)/Snapshot data is available. • The DTC is stored in the PCM memory.
POSSIBLE CAUSE	• PCM internal EEPROM malfunction

Diagnostic procedure

STEP	INSPECTION		ACTION
1	**VERIFY SNAPSHOT DATA HAS BEEN RECORDED** • Has the snapshot data been recorded?	Yes	Go to the next step.
		No	Record the snapshot data on 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 repair information available?	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
3	**VERIFY DTC TROUBLESHOOTING COMPLETED** • Clear the DTC from the PCM memory using the M-MDS. (See **AFTER REPAIR PROCEDURE [MZR**	Yes	Replace the PCM, then go to the next step. (See **PCM REMOVAL/ INSTALLATION [MZR 2.5]**.)

	2.5].) • Perform the KOEO or KOER self test. (See **KOEO/ KOER SELF TEST [MZR 2.5]**.) • Is the same DTC present?	No	Go to the next step.
4	**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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