

Subject: MIL ILLUMINATED - P0126 SET - THERMOSTAT MONITOR	Bulletin No: 01-015/07
	Last Issued: 4/5/2007

APPLICABLE MODEL(S)/VINS

2006-2007 RX-8 with VINs below JM1 FE**** ** 213200 (Produced before March 30, 2007)

DESCRIPTION

On some vehicles, MIL will illuminate with P0126 stored in memory due to improper PCM calibration. There is no driveability problem.

- P0126 - Insufficient Coolant Temperature for Stable Operation

Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

1. Reboot the IDS to clear memory before reprogramming.
2. Using IDS 47.8 or later software, reprogram the PCM to the latest calibration (refer to "Calibration Information" table) by following the "Module Reprogramming" procedure.

NOTE:

- Always update the IDS tool first, then follow on-screen instructions to download the needed calibration file for PCM reprogramming.
 - It is not necessary to remove any fuses or relays during PCM reprogramming when the IDS screen prompts you to do so. You may accidentally stop power to one of the PCM terminals and cause the PCM to be blanked, or you may receive error messages during the IDS reprogramming procedure.
 - IDS shows the calibration part numbers after programming the PCM.
 - Please be aware that PCM calibration part numbers and file names listed in any Service Bulletin may change due to future releases of IDS software, and additional revisions made to those calibrations for service related concerns.
 - When reprogramming a PCM, IDS will always display the "latest" calibration P/N available for that vehicle. If any calibration has been revised/updated to contain new information for a new service concern/issue, it will also contain all previously released calibrations.
 - **When performing this procedure, we recommend that a battery charger be installed on the vehicle battery and turned ON to a maximum charge of no more than 20 AMPS to keep the vehicle battery up to capacity. If you exceed 20 AMPS, it could damage the VCM.**
3. After performing the PCM reprogramming procedure, verify the repair by starting the engine and making sure there are no MIL illumination or abnormal warning lights present.

NOTE:

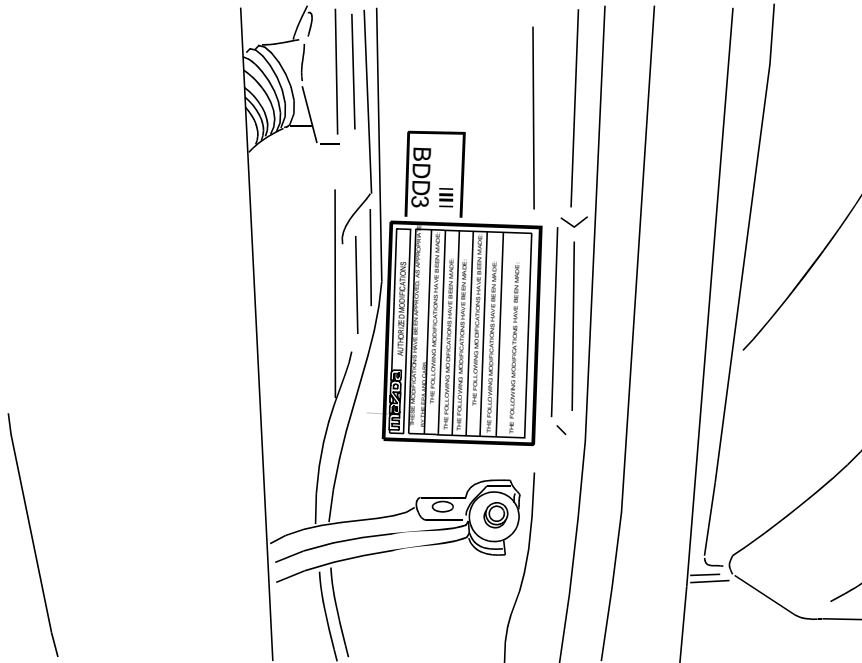
- If any DTCs should remain after performing DTC erase, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.
- After PCM reprogramming, it is no longer necessary to road test the vehicle to "relearn" KAM (Keep Alive Memory).

4. Fill out an “Authorized Modifications” label (P/N 9999-95-AMDC-97) with the new PCM calibration information, your dealer code, and today’s date.

The image shows a rectangular label form with a dashed border. At the top left is the Mazda logo. To its right, the text reads "AUTHORIZED MODIFICATIONS". Below this, there are three lines of text: "THESE MODIFICATIONS HAVE BEEN APPROVED, AS APPROPRIATE, BY THE EPA AND CARB.", "THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:", and a large rectangular area with a dashed border for handwritten notes.

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5. Place the “Authorized Modifications” label on the “A” pillar below the tear tag in the driver door jamb. The “Authorized Modification” label will inform technicians of the PCM calibration change if future repairs are necessary.



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CALIBRATION INFORMATION

Specification	File Name
California, 6MT	SW-N3M1EG000
California, 6AT	SW-N3M2EH000
Federal, 6MT	SW-N3M5EG000
Federal, 6AT	SW-N3M6EH000

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair. Refer to the Warranty Wizard for warranty term information.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	5555-07-012A
Quantity	0
Operation Number / Labor Hours	XXC044FX / 0.3 Hrs.