

Subject: MIL ILLUMINATION WITH DTC P2107, P2108 OR P2109	Bulletin No: 01-010/04
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APPLICABLE MODEL(S) / VINS

2004 RX-8

- A/T: After VIN JM1FE17N*40132580
- M/T: After VIN JM1FE173*40132647

DESCRIPTION

Some vehicles may experience MIL illumination with DTC P2107, P2108 or P2109 stored in memory after jump starting the engine due to a discharged (dead) battery.

- P2107: Throttle actuator control module processor error (Sub CPU/RAM/ROM inoperative).
- P2108: Throttle actuator control module performance error (Sub - Main CPU communication error).
- P2109: TP sensor minimum stop range/performance problem.

DTCs setting into PCM memory may be caused by improper PCM calibration. Customers having this concern should have their vehicles repaired using the following repair procedure.

REPAIR PROCEDURE

1. Using WDS B29.2 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 WDS PTU first, then install the needed calibration file that WDS shows during PCM reprogramming. Go to "WDS Calibration" on ESI and download the "update" file. If the PTU is not updated to the latest WDS calibration level, the calibration file will not install into the PTU.
- It is not necessary to remove any fuses or relays during PCM reprogramming when the WDS 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 WDS reprogramming procedure.
- WDS 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 WDS software, and additional revisions made to those calibrations for service related concerns.
- When reprogramming a PCM, WDS 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, if the WDS PTU is not docked and connected to 115V-120V, 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 will damage the WDS PTU.

2. After performing the PCM reprogramming procedure, make sure to perform "Self-Test", ALLCMDTCs and erase any stored DTCs that appear after the reprogramming.

- If any DTCs should remain after performing DTC erase, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.

NOTE: It is normal for some U**** DTCs and possibly C1119 to be stored after reprogramming modules with WDS. After the DTCs are erased, no DTCs should be present.

3. Place an "Authorized Modification" label (P/N 9999-95-AMDC-97) with the new calibration information near the Emission Control Information Label located on the hood or in the engine compartment.

4. Verify repair.

NOTE: After reprogramming a PCM, it is necessary to road test the vehicle to relearn KAM (Keep Alive Memory) strategy and verify no MIL illumination or DTC's are present.

CALIBRATION INFORMATION

Transmission	New PCM Calibration Part Number	File Name
A/T	N3H4-18-881L	SW-N3H4EL000
M/T	N3H6-18-881L	SW-N3H6EL000

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair. Refer to the SRT microfiche 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	****-18-881
Quantity	0
Operation Number / Labor Hours:	XX648XRX / 0.3 Hrs.