Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

Subject:	**Bulletin No.:** 01-010/17
DTC P064A (FUEL PUMP CONTROL MODULE ERROR) IS STORED IN PCM MEMORY WITHOUT DRIVABILITY CONCERN	**Last Issued:** 07/26/2017

DESCRIPTION

APPLICABLE MODEL(S)/VINS

2016-2017 CX-9 vehicles with VINs lower than JM3TC******140178 (produced before March 7, 2017)

Some vehicles may experience DTC P064A stored in the PCM memory. There is no drivability concern and a technician may find this DTC during diagnosis for another concern.

- P064A:00 - (Fuel Pump Control Module Error)

[Detection Condition]
The difference between the actual fuel pressure and the target fuel pressure is 10 kPa {0.10 kgf/cm2, 1.5 psi} or more, even though the fuel pressure feedback amount on the low pressure side remains high.

[Diagnosis Support Note]

- This is a continuous monitor (other).
- The check engine light does not illuminate.
- FREEZE FRAME DATA is not available.
- Snapshot data is available.
- DTC is stored in the PCM memory.

The DTC may be set by an inadequate detection logic. To eliminate this concern, the detection function of DTC P064A has been disabled.

REPAIR PROCEDURE

If you find DTC P064A stored in PCM memory during any service opportunity, check if there is any drivability concern accompanied and/or any other fuel pump related DTC, especially P0087, stored.

- If there is any drivability concern and/or other DTC accompanied, perform diagnosis according to the instructions on MGSS online.

- If there is no drivability concern and no other fuel pump related DTC, reprogram the PCM with Mazda Modular Diagnostic System (M-MDS) using IDS 106.03 or later software.

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1. Reboot the IDS to clear memory before reprogramming.
2. Using IDS 106.03 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.
• Start/Stop button vehicles only: DO NOT press the start/stop button during the reprogramming process.
• When performing this procedure, we recommend using the "Power Supply" mode in the Battery Management System to keep the vehicle battery up to capacity. If a different charger is used, make sure it does not exceed 20 AMPS. If it exceeds 20 AMPS, it could damage the VCM.

3. After performing the PCM reprogramming procedure, clear DTCs.
4. After clearing DTCs, start the engine and confirm that no warning lights stay on.

NOTE:
• If any DTCs should remain after performing DTC erase, diagnose the DTCs using MGSS online instructions or Workshop Manual section 01-02.
• Disconnect the negative battery cable and wait for 30 seconds or more to reset the fuel control learning data.

CALIBRATION INFORMATION

Spec.	Drive	File Name	Note
USA	2WD	PYFL-188K2-L	Improved from "-J"
	4WD	PYFM-188K2-L	Improved from "-J"
Mexico	2WD	PYGN-188K2-H	Improved from "-G"
	4WD	PYGP-188K2-H	Improved from "-G"

NOTE: It is not necessary to order a PCM part for this repair procedure.

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WARRANTY INFORMATION

NOTE:

• This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.

• This repair will be covered under Federal Emission Warranty term (long term).

• Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	65
Damage Code	9W
Part Number Main Cause	5555-RP-PCM
Quantity	0
Operation Number / Labor Hours:	XXN78XFX / 0.3 Hrs.

NOTE: If this concern is found during the repair for another concern that is to be repaired by PCM reprograming, do not claim for this concern. Claim for other concern.

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