Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

Subject:	**Bulletin No.:** 01-009/17
LACK OF POWER, CHECK ENGINE LIGHT ON WITH DTC P130C:00 AND U0401:00 (ABS)	**Last Issued:** 12/22/2017

BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted in Red text.

Previous TSBs:	Date(s) Issued:
01-009/17	07/26/17

DESCRIPTION

APPLICABLE MODEL(S)/VINS

2016-2017 CX-9 vehicles with VINs lower than JM3TC******143508 (produced before June 26, 2017)

Some customers may experience a lack of power when driving. The master warning light or the check engine light turns on and DTC P130C:00 and U0401:00 (ABS) stored in memory. It occurs mostly at low temperatures. Once the ignition is turned off and on, the concern may disappear.
NOTE: DTC P130C:00 may not be found upon M-MDS self test since this DTC is detected when the condition occurs in two drive cycles in a row.

The PCM turns the master warning light on during the first drive cycle, then stores a pending DTC. The master warning light and check engine light come on in the second drive cycle as a confirmation of the DTC. The engine power is limited by the fail-safe function both in the first and second drive cycles.

- DTC P130C:00 - (Pre-ignition detected)
- DTC U0401:00- (ABS) (Signal error from PCM)

Improper control logic of the PCM detects a normal operating noise as a knocking noise. To eliminate this concern, the control logic of the PCM has been changed.

REPAIR PROCEDURE

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.

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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
USA	2WD	PYFL-188K2-L
	4WD	PYFM-188K2-L
Mexico	2WD	PYGN-188K2-H
	4WD	PYGP-188K2-H

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

WARRANTY INFORMATION

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NOTE:

• This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
• This repair will be covered under Mazda's Federal Emission Warranty term (long term).
• Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	55555-RP-PCM
Quantity	0
Operation Number / Labor Hours:	XXN77XFX / 0.3 Hrs.

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