

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

CHECK ENGINE LIGHT ON WITH DTC P2096:00

Bulletin No.: 01-011/19

Last Issued: 04/15/2019

APPLICABLE MODEL(S)/VINS**US Spec.**

2018-2019 Mazda6 vehicles with VINs lower than JM1GL*****503220 (produced before Mar. 4, 2019)

2018-2019 CX-5 vehicles with VINs lower than JM3KF*****576348 (produced before Feb. 8, 2019)

Mexico Spec.

2019-2020 Mazda6 vehicles with VINs lower than JM1GL*****503220 (produced before Mar. 4, 2019)

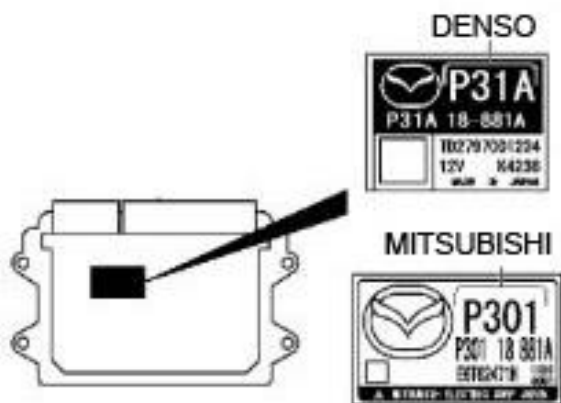
2018-2019 CX-5 vehicles with VINs lower than JM3KF*****576348 (produced before Feb. 8, 2019)

DESCRIPTION

Some customers may experience a check engine light illuminating with DTC P2096:00 stored in PCM memory.

- DTC P2096:00 - Air fuel too lean

NOTE: This concern occurs only on vehicles with PCMs manufactured by Mitsubishi.

PCM Identification

Due to improper control logic of the PCM, a false error may be detected. To eliminate this concern, the PCM software has been modified.

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

REPAIR PROCEDURE

PCM REPROGRAMMING:

1. Verify the customer concern.
2. Using the image above, verify the PCM is manufactured by Mitsubishi.
3. Reboot the IDS to clear memory before reprogramming.
4. Using IDS **113.01** 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.
- Verify the current PCM file name in the vehicle by log view screen. If it's the same as shown in the chart below (or a later one), you do not need to reprogram the PCM.
- 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: 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.
- After the reprogramming, verify the file name matches with the below chart.

5. After performing the PCM reprogramming procedure, clear DTCs.
6. After clearing DTCs, start the engine and confirm that no warning lights stay on.
7. Record customer presets in the infotainment system.
8. Disconnect the negative battery cable and wait for 30 seconds or more to reset the fuel control learning data.
9. Re-connect the negative battery cable.
10. Re-enter customer presets in infotainment system.

NOTE:

If any DTCs should remain after performing DTC erase, diagnose the DTCs using MGSS online instructions and submit a warranty claim according to the normal warranty procedure.

CALIBRATION INFORMATION**Mazda6:**

MY	Transmission	File Name	Note
US 2018 Mexico 2019	M/T	PYH1-188K2-H	---
	A/T	PYH2-188K2-H	w/o cylinder deactivation
		PYH3-188K2-J	with cylinder deactivation
US 2019 Mexico 2020	M/T	PXD6-188K2-B	---
	A/T	PXD7-188K2-B	w/o cylinder deactivation
		PXD8-188K2-B	with cylinder deactivation

CX-5:

MY	Engine	Transmission	Drive	File Name	Note
2018	2.0L	M/T	2WD	PEL1-188K2-D	---
	2.5L	A/T	2WD	PYH9-188K2-E	w/o cylinder deactivation
				PYFA-188K2-H	with cylinder deactivation
			4WD	PYJ2-188K2-E	w/o cylinder deactivation
				PYFC-188K2-H	with cylinder deactivation

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2019	2.0L	M/T	2WD	PAL9-188K2-B	---
	2.5L	A/T	2WD	PX46-188K2-B	w/o cylinder deactivation
				PX42-188K2-B	with cylinder deactivation
			4WD	PX48-188K2-B	w/o cylinder deactivation
				PX44-188K2-C	with cylinder deactivation

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

WARRANTY INFORMATION

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

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	5555-RP-PCM
Quantity	0
Operation Number / Labor Hours:	XXR44XFX / 0.3 Hrs.

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