

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  SURGING 100-200 RPM UNDER ACCELERATION AT HIGH ALTITUDE	<b>Bulletin No.:</b> 01-010/23
	<b>Last Issued :</b> 10/03/2023

## BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
01-010/23	08/17/23

## APPLICABLE MODELS/VINs:

2021-2023 Mazda3 2.5L turbo (Japan built) vehicles with VINs lower than JM1 BP \*\*\*\*\* 623994 (produced before May 23, 2023)

2021-2023 Mazda3 2.5L turbo (Mexico built) vehicles produced before July 12, 2023

2021-2023 CX-30 2.5L turbo vehicles produced before July 12, 2023

## DESCRIPTION

Some customers may complain about engine surging 100-200 rpm when accelerating up a hill at altitudes around 6,700 feet or higher. This concern may be caused by improper PCM control software in particular situations.

To eliminate this concern, the PCM control software has been modified.

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

## REPAIR PROCEDURE

1. Verify customer concern.
2. Reprogram the PCM using the Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

### NOTE:

- If the current calibration file name on the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix, reprogramming is not necessary.
- After reprogramming, pending DTC P2610:00 [PCM] will be stored without the Check Engine Light ON. Start the engine and clear the DTC.
- After reprogramming, if DTC U2120:00 and/or U2500:82 are stored and the i-ACTIVSENSE warning light (amber) refer to SA-043/20.

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3. Verify the repair by starting the engine and confirming there is no MIL illumination or abnormal warning lights present.

## CALIBRATION

### US Spec. Vehicles:

#### Japan built

Model	Year	File Name
Mazda3	2021	PX4L-188K2-H
	2022-2023	PXKX-188K2-C

#### Mexico built

Model	Year	File Name
Mazda3	2021	PX6T-188K2-H
	2022-2023	PXLD-188K2-C
CX-30	2021	PX4N-188K2-G
	2022-2023	PXLB-188K2-C

### Mexico Spec. Vehicles:

#### Japan built

Model	Year	File Name
Mazda3	2021-2023	PX4M-188K2-H

#### Mexico built

Model	Year	File Name
Mazda3	2021-2023	PX6V-188K2-H
CX-30	2021-2023	PX6C-188K2-G

## WARRANTY INFORMATION

### 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.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	08
Damage Code	9W
Causal Part No.	5555-18-881

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Quantity	0
Operation No. and Labor Hours	XXWEJXFX / 0.3 Hrs.

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