



<b>Subject:</b>  <b>A/C BLOWS WARM AIR AFTER ACCELERATION</b>	<b>Bulletin No.:</b> 07-006/20
	<b>Last Issued:</b> 12/07/2020

## APPLICABLE MODEL(S)/VINS

2019-2021 Mazda3 (Japan built) with VINS lower than JM1BP\*\*\*\*\*319059 (produced before October 28, 2020)

2019-2021 Mazda3 (Mexico built) with VINS lower than 3MZBP\*\*\*\*\*208291 (produced before October 30, 2020)

2020-2021 CX-30 with VINS lower than 3MVDM\*\*\*\*\*231004 (produced before November 13, 2020)

## DESCRIPTION

Some customers may complain that after accelerating in hot weather, the A/C blows warm air for a longer time than other models. This is caused by improper control software of the PCM not allowing the A/C compressor to resume properly after acceleration. To eliminate this concern, the control software of the PCM has been modified.

**NOTE:** During a hard acceleration above a certain throttle level opening, the PCM stops the A/C compressor operation for better acceleration. It then resumes the compressor operation after the acceleration.

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 in the ECU FILENAME screen is the same as shown in the Calibration Files Information or with a 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.
- If DTC U2120:00 or/and U2500:82 are stored and i-ACTIVSENSE warning light (amber) turns on after the reprogramming, refer to SA-036/19.

3. Clear the DTC, turn the ignition off, and get out of the vehicle.
4. Close and lock the door.

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5. Wait for at least ten minutes.

6. Verify the repair by starting the engine and making sure the Check Engine light is OFF and no abnormal warning lights are ON.

**NOTE:** If any DTC should remain after performing a DTC erase, diagnose the DTC according to the instructions on MGSS.

## CALIBRATION INFORMATION

### 2019-2021 US / 2019-2020 Canada spec.

Mazda3 (Japan built) with VINS starting with JM1

Engine	Transmission	Drive	File Name	Note
2.5L w/ cylinder deactivaton	AT	2WD	PX05-188K2-N	Mitsubishi
			PX06-188K2-N	Denso
		4WD	PX07-188K2-R	Mitsubishi
			PX08-188K2-R	Denso
	MT	2WD	PX58-188K2-M	Mitsubishi
			PX59-188K2-M	Denso

Mazda3 (Mexico built) with VINS starting with 3MZ

Engine	Transmission	Drive	File Name	Note
2.5L w/ cylinder deactivaton	AT	2WD	PX13-188K2-H	Mitsubishi
			PX14-188K2-H	Denso
		4WD	PX15-188K2-H	Mitsubishi
			PX16-188K2-H	Denso

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Engine	Transmission	Drive	File Name	Note
2.5L w/ cylinder deactivaton	AT	2WD	PXH7-188K2-F	Mitsubishi
			PXH8-188K2-F	Denso
		4WD	PXJ9-188K2-F	Mitsubishi
			PXK1-188K2-F	Denso

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**2021 Canada spec.**

Mazda3 (Japan built) with VINS starting with JM1

Engine	Transmission	Drive	File Name	Note
2.5L w/out cylinder deactivaton	AT	2WD	PXJ7-188K2-F	Mitsubishi
			PXJ8-188K2-G	Denso
		4WD	PX4V-188K2-C	Mitsubishi
			PX4W-188K2-C	Denso
	MT	2WD	PX4X-188K2-C	Mitsubishi
			PX5A-188K2-C	Denso

Mazda3 (Mexico built) with VINS starting with 3MZ

Engine	Transmission	Drive	File Name	Note
2.5L w/out cylinder deactivaton	AT	2WD	PXK5-188K2-E	Mitsubishi
			PXK6-188K2-F	Denso
		4WD	PX6R-188K2-C	Mitsubishi
			PX6S-188K2-C	Denso

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Engine	Transmission	Drive	File Name	Note
2.5L w/out cylinder deactivaton	AT	2WD	PXM1-188K2-F	Mitsubishi
			PXL4-188K2-F	Denso
		4WD	PXM2-188K2-F	Mitsubishi
			PXL5-188K2-F	Denso

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**Mexico spec.**

Mazda 3 (Japan built) with VINS starting with JM1

Engine	Transmission	Drive	File Name	Note
2.0L	AT	2WD	PAJ4-188K2-K	Mitsubishi
			PAJ5-188K2-L	Denso
	MT	2WD	PAJ6-188K2-K	Mitsubishi
			PAJ7-188K2-L	Denso
2.5L	AT	2WD	PX09-188K2-K	Mitsubishi
			PX10-188K2-L	Denso
	MT	2WD	PX11-188K2-K	Mitsubishi
			PX12-188K2-L	Denso

Mazda 3 (Mexico built) with VINS starting with 3MZ

Engine	Transmission	Drive	File Name	Note
2.0L	AT	2WD	PAK3-188K2-G	Mitsubishi
			PAK4-188K2-H	Denso
	MT	2WD	PAK5-188K2-G	Mitsubishi
			PAK6-188K2-H	Denso
2.5L	AT	2WD	PX17-188K2-G	Mitsubishi
			PX18-188K2-H	Denso
	MT	2WD	PX19-188K2-G	Mitsubishi
			PX20-188K2-H	Denso

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## CX-30

Engine	Transmission	Drive	File Name	Note
2.0L	AT	2WD	PA7A-188K2-D	Mitsubishi
			PA7B-188K2-D	Denso
2.5L	AT	2WD	PXH9-188K2-D	Mitsubishi
			PXJ1-188K2-D	Denso
	AT	4WD	PXK2-188K2-B	Mitsubishi
			PXK3-188K2-B	Denso

**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 or CA Emission Warranty (short term).
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	60
Damage Code	9W
Part Number Main Cause	5555-18-881
Quantity	0
Operation Number / Labor Hours:	XXS8NXFX / 0.3 Hrs.

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