

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: REAR BRAKE NOISE	Bulletin No.: 04-001/24
	Last Issued : 09/10/2024

BULLETIN NOTES

This bulletin supersedes the previously issued Service Alert(s)/Bulletin(s) listed below.

Previous SAs:	Date(s) Issued:
04-001/24	08/29/24 and 03/04/24
04-002/23	09/15/23, 01/30/23, 01/17/23 and 01/04/23
04-006/22	12/22/22
SA-051/22	10/19/22

APPLICABLE MODEL(S)/VINS:

- 2020-2024 CX-30 (Mexico built) vehicles with VINs lower than 3MV DM**** ** 708825 (Produced before Jun. 18, 2024)
- 2019-2024 Mazda3 (Japan built) vehicles with VINs lower than JM1 BP**** ** 714091 (Produced before Feb. 2, 2024)
- 2019-2024 Mazda3 (Mexico built) vehicles with VINs lower than 3MZ BP**** ** 430727 (Produced before Jun. 18, 2024)
- 2022-2023 MX-30 vehicles with VINs lower than JM1 DR**** ** 200909 (Produced before May 29, 2023)

DESCRIPTION

Symptom 1:

Some customers may complain about hearing a grinding noise and/or vibration occur when applying the brake. This is due to rust on the rear brake disc plate. The brake pad has insufficient disc-rust prevention performance, resulting in the disc plate rusting. To eliminate this concern, the pad material has been improved to prevent rust on the disc surface.

Symptom 2:

Some vehicles may exhibit a squeal noise from the rear brakes when braking lightly while driving at a slow speed. The squeal noise is caused by the disc pad surface fluctuating. To eliminate this concern, the brake pads have been modified.

NOTE:

- For Symptom 2, this TSB is not applicable if GEPC shows PAD SET, RR CALIPER DFZ5-26-43ZA for the subject

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VIN.

- Refer to SA-016/24 - (BRAKE NOISE, JUDDER AND DRAGGING DIAGNOSIS AND SERVICING) if brake noise continues after repair is completed.

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

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REPAIR PROCEDURE**Symptom 1:**

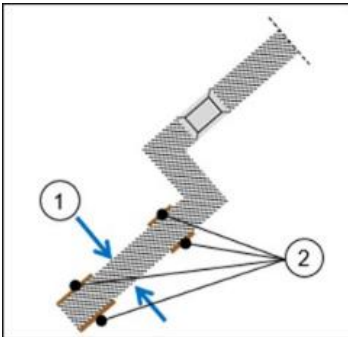
1. Verify the customer concern of grinding noise and/or vibration.
2. Check the disc surface to see if the cause of noise and vibration is the disc's rust (Some areas of the surface have fallen off due to rust and are too thin, which may look like black stains on the surface). If rust is the cause of the noise or vibration when applying the brakes, lath the discs or replace them with new ones and replace the brake pads.

NOTE:

- Check the disc thickness using a micrometer before lathing, if the thickness is below 8.7 mm for 2WD or 9.7 mm for AWD, replace the disc with new ones (DO NOT lath). Measure the thickness in the relatively less rusted area where the pads are hitting but not in the severely rusted area.
- Disc replacement is acceptable if an on-car lathe is not available.



Sample case: If lathe is not applicable.
Some areas of the surface have fallen off due to rust and are too thin.



SECTION A-A

NOTE: Measure the thickness at the least rusted area.

- (1) Measuring points
(2) Rust

3. After lathing the disc, re-measure the disc thickness. Replace the discs if the thickness is below the machining limit of 7.8 mm for 2WD and 8.8 mm for AWD as well as the brake pads. Refer to the instructions on MGSS online:

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[Mazda3]

- REAR BRAKE DISC PAD REMOVAL/INSTALLATION [(US)]
- REAR BRAKE DISC REMOVAL/INSTALLATION [(US)]

[CX-30]

- REAR BRAKE DISC PAD REMOVAL/INSTALLATION [(US)]
- REAR BRAKE DISC REMOVAL/INSTALLATION [(US)]

[MX-30]

- REAR BRAKE DISC PAD REMOVAL/INSTALLATION [(US)]
- REAR BRAKE DISC REMOVAL/INSTALLATION [(US)]

4. Verify the repair.

NOTE: Refer to SA-016/24 - (BRAKE NOISE, JUDDER AND DRAGGING DIAGNOSIS AND SERVICING) if brake noise continues after repair is completed.

Symptom 2:

1. Verify the customer concern of a squeal noise.
2. Replace the discs if the thickness is below the machining limit of 7.8 mm for 2WD and 8.8 mm for AWD as well as the brake pads. Refer to the instructions on MGSS online listed in Symptom 1.

NOTE: Replace both sides (left and right) of the rear brake pads with modified parts.

3. Verify the repair.

PARTS INFORMATION

Model/Model Year	Part Number	Description	Qty.	Notes
2022-2023 MX-30	DFZ5-26-43ZB	PAD SET, RR CALIPER	1	Refer to the GEPC to select correct parts according to the subject VIN.
2019-2024 Mazda3 (Japan and Mexico built) 2020-2024 CX-30	BCYA-26-43ZB	PAD SET, RR CALIPER	1	
Mazda3, CX-30 (Mexico built)	BDYS-26-43ZB	PAD SET, RR CALIPER	1	
CX-30 (Mexico built)	DGY6-26-43ZA	PAD SET, RR CALIPER	1	
2019-2024 Mazda3	B45G-26-251B	PLATE, DISC	0 or	

Page 4 of 6

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(Japan built)			2	
2019-2024 Mazda3 (Mexico built)	BDTS-26-251	PLATE, DISC	0 or 2	
2020-2024 CX-30	BDTS-26-251	PLATE, DISC	0 or 2	
	DGJ6-26-251	PLATE, DISC	0 or 2	
2022-2023 MX-30	K011-26-251C	PLATE, DISC	0 or 2	

NOTE:

- If customer has this TSB performed, when they return for a future brake service, use the pad set described in the parts table above to avoid future noise concerns.
- Refer to the GEPC to select the applicable parts using the VIN.

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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 Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	53
Damage Code	9Y
Part Number Main Cause	7777-SP-W20
Quantity	0
Operation Number / Labor Hours:	XXW60ARX / 0.6 hrs. (Mazda3, CX-30) Discs Replacement XXW60ARX / 0.7 hrs. (MX-30) Discs Replacement XXW61ARX / 0.9 hrs. (Mazda3, CX-30) Discs and pads replacement XXW61ARX / 0.7 hrs. (MX-30) Discs and pads replacement XXW62XRT / Enter actual time (Max. 1.2 Hrs.for both sides) Discs lathe XXW64XRT / Enter actual time (Max. 1.4 Hrs.for both sides) Disc lathe and pads replacement XXW66XRT / Enter actual time (Max. 1.6 Hrs.for both sides) Discs lathe, and discs and pads replacement

NOTE:

- Brake pads below 4mm cannot be claimed.
- Brake pads above 5mm can be claimed.

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