

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: REAR BRAKE NOISE	Bulletin No.: 04-002/23
	Last Issued : 09/15/2023

BULLETIN NOTES

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

Previous SAs:	Date(s) Issued:
04-002/23	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:

2019-2024 Mazda3 (Japan built)
2019-2024 Mazda3 (Mexico built)
2020-2024 CX-30
2022-2023 MX-30

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.

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 disk pad surface fluctuating.

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

NOTE:

- For Symptom 2, this TSB is not applicable if GEPC shows PAD SET, RR CALIPER DFZ5-26-43ZA for the VIN.
- Refer to SA-019/20 - (BRAKE NOISE, JUDDER AND DRAGGING DIAGNOSIS AND SERVICING) if brake noise continues after repair is completed.

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REPAIR PROCEDURE

[Symptom 1]

1. Verify the customer concern.
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 brake, lathé disks on-vehicle, or replace them with new ones and replace the brake pads.

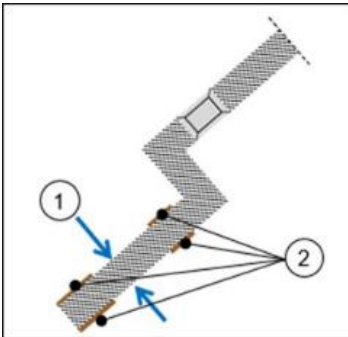
NOTE:

- 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 (DO NOT lathé). 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 machine 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 in MGSS:

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[Mazda3]

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

[CX-30]

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

[MX-30]

- REAR BRAKE DISC PAD REMOVAL/INSTALLATION
- REAR BRAKE DISC REMOVAL/INSTALLATION

3. Verify the repair.

NOTE: Refer to SA-019/20 - (BRAKE NOISE, JUDDER AND DRAGGING DIAGNOSIS AND SERVICING) if brake noise continues after repair is completed.

[Symptom 2]

1. Verify the customer concern.

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 in MGSS listed in Symptom 1.

3. Verify the repair.

PARTS INFORMATION

Model Year	Part Number	Description	Qty.	Notes
2019-2023 Mazda3 (Japan and Mexico built) 2020-2023 CX-30 2022 MX-30	DFZ5-26-43ZA	PAD SET,RR CALIPER	1	Applies to all three models
2019-2023 Mazda3 (Japan built)	B45G-26-251B	PLATE,DISC	0 or 2	---
2019-2023 Mazda3 (Mexico built)	BDTS-26-251	PLATE,DISC	0 or 2	---
2020-2023 CX-30	BDTS-26-251	PLATE,DISC	0 or 2	16 inch rear brake
	DGJ6-26-251	PLATE,DISC	0 or 2	17 inch rear brake
2022 MX-30	K011-26-251C	PLATE,DISC	0 or 2	---

NOTE: If customer has this TSB performed, when they return for a future general brake service utilize the pad set

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described in the parts table to avoid future noise concerns.

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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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