

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: 01-001/22- BODY VIBRATION DURING EXTREMELY COLD WEATHER	Bulletin No.: 01-001/22
	Last Issued : 03/10/2022

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
01-001/22	02/10/22
01-020/19	11/26/19

APPLICABLE MODEL(S)/VINS

2019-2021 Mazda3
2020-2021 CX-30

DESCRIPTION

Some vehicles may exhibit an excessive body vibration when idling or driving after being left in extremely cold weather (-20°C/-4°F or below) for a long time. This is caused by the No.1, No. 3 and No. 4 rubber hardening due to material characteristics.

NOTE: This concern only happens in extremely cold weather, therefore this TSB is only applicable for extremely cold regions. To eliminate this concern, the cold environment performance of the engine mount rubber has been increased by changing the rubber material.

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

REPAIR PROCEDURE

1. Verify the customer concern by confirming whether the symptom occurs during an extremely cold day (-20°C/-4°F or below).

Does the symptom occur during an extremely cold day (-20°C/-4°F or below)?

- **YES:** Replace the No.1 (some Mazda3's only), No. 3 and No. 4 engine mount rubber with a modified one according to the instructions on MGSS.
- **NO:** this TSB is not applicable.

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Mazda3

- No. 1 engine mount rubber for Mazda3 only with the following VINS.
 - 2019-2020 Mazda3 (Mexico built) vehicles with VINs lower than 3MZBP*****120765 (produced before Aug. 29, 2019)
 - 2019 Mazda3 (Japan built) vehicles with VINs lower than JM1BP*****143776 (produced before June 1, 2019)

NOTE: DO NOT replace the No. 1 engine mount on Mazda3 if already replaced under TSB 01-020/19.

- No. 3 and No.4 engine mount rubber
 - ENGINE MOUNT DISASSEMBLY/ASSEMBLY [SKYACTIV-G (WITH CYLINDER DEACTIVATION (US))] (US/Canada spec)
 - ENGINE MOUNT DISASSEMBLY/ASSEMBLY [SKYACTIV-G (WITHOUT CYLINDER DEACTIVATION (US))] (Mexico spec)
 - ENGINE MOUNT DISASSEMBLY/ASSEMBLY [SKYACTIV-G 2.5T (US)]

CX-30

- No. 3 and No.4 engine mount rubber
 - ENGINE MOUNT DISASSEMBLY/ASSEMBLY [SKYACTIV-G (WITH CYLINDER DEACTIVATION (US))] (US/Canada spec)
 - ENGINE MOUNT DISASSEMBLY/ASSEMBLY [SKYACTIV-G (WITHOUT CYLINDER DEACTIVATION (US))] (Mexico spec)
 - ENGINE MOUNT DISASSEMBLY/ASSEMBLY [SKYACTIV-G 2.5T (US)]

NOTE: CX-30 (DM) are not applicable for No. 1 engine mount rubber replacement since mass production started with the modified No. 1 engine mount rubber.

2. Verify the repair.

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PARTS INFORMATION

Parts Number	Description	Qty.	Notes
BDGF-39-040C	No.1 Engine Mount Rubber (Mazda3 only)	1	2.0L (Mazda3 M/T and 2WD - Canada spec)
BDGH-39-040C			2.0L (Mazda3 A/T and 2WD - Canada spec)
BEPV-39-040B			2.5L (Mazda3 M/T and 2WD)
BCKA-39-040B			2.5L (Mazda3 A/T and 2WD)
BEET-39-040B			2.5L (Mazda3 A/T and 4WD)
BDY0-39-060	No. 3 Engine Mount Rubber (Mazda3 and CX-30)	1	2.0L A/T for BDGH-39-060*/DGJ2-39-060 (Canada spec)
BCY0-39-060			2.5L A/T for BCKA-39-060*/DGK5-36-060
BFY0-39-060			2.5L-T for BFWM-39-060
BDY0-39-070	No. 4 Engine Mount Rubber (Mazda3 and CX-30)	1	2.0L/2.5L for BDGH-39-070/BDTV-39-070
BFY0-39-070			2.5L-T for BFWM-39-070

NOTE: Verify the corresponding part number to the vehicle by using the GEPC.

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	83
Damage Code	9E
Part Number Main Cause	****-39-040* (Select the part number of the No.1 engine mount rubber applicable to the subject vehicle from "Parts Information")
Quantity	1
Operation Number / Labor Hours:	XXR9RARX / 0.4 Hrs. (Mazda 3 No. 1 engine mount 2WD) XXR9RBRX / 0.4 Hrs. (Mazda 3 No. 1 engine mount 4WD) XXR9RGRX / 1.1 Hrs. (Mazda3/CX-30 No. 3 and No. 4 engine mounts 2WD/4WD) XXR9RDRX / 1.2 Hrs. (Mazda3 No. 1, No. 3 and No. 4 engine mounts 2WD) XXR9RERX / 1.3 Hrs. (Mazda3 No. 1, No. 3 and No. 4 engine mounts 4WD)

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