

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: LOUD VIBRATION NOISE WHEN ELECTRIC A/C COMPRESSOR IS OPERATING	Bulletin No.: 07-001/24
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BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2024 CX-90 PHEV vehicles with VINS lower than JM3KK*****151673 (produced before November 24, 2023)

DESCRIPTION

Some vehicles may exhibit a loud vibration noise when the electric A/C compressor is operating. Due to processing variation of the counter-balance bushing (a weight to balance eccentric rotation) installed in the electric compressor, some of the bushing strongly interferes with the shaft, resulting in the humming noise. To eliminate this concern, the machining accuracy of the counter-balance bushing has been improved.

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

REPAIR PROCEDURE

1. Verify the customer concern.

NOTE: Some vibration noise is normal. Compare to another CX-90 PHEV if needed.

2. Replace the electric compressor with new one according to the instructions in MGSS (A/C COMPRESSOR REMOVAL/INSTALLATION [e-SKYACTIV PHEV]).

3. Verify the repair.

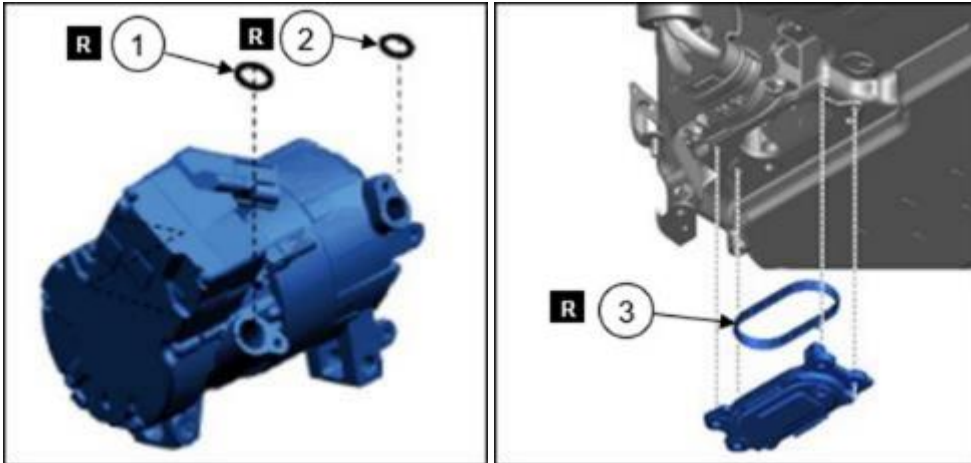
PARTS INFORMATION

Parts Number	Description	Qty.	Notes
KR9P-61-4C0A	Compressor	1	
KRYP-61-K39	Oil, Compressor	1	
BBM4-61-J17	Ring, 'O' - Cooling Unit	1	[R] (1)
GJ6E-61-J19	Ring, 'O' - No.2	1	[R] (2)
KBB4-30-2K5	Gasket	1	[R] (3)

[R]: Replacement parts

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Replacement Parts Location



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, California Emission Warranty (Long term) or Transitional Zero Emission Vehicle (TZEV) Emission Warranty.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	9M
Part Number Main Cause	KR9P-61-4C0A
Quantity	1
Operation Number / Labor Hours:	XXWKEXRX / 0.8 Hrs.

NOTE: Claim other parts as related parts.

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