



SIB 64 01 25 INTERMITTENT HUMMING NOISE

2025-02-28



THIS REPAIR IS MOBILE FRIENDLY

MODEL

F97 (X3 M Sports Activity Vehicle)	F98 (X4 M Sports Activity Coupe)	G01 (X3 Sports Activity Vehicle)	G02 (X4 Sports Activity Coupe)
G20 (3 Series Sedan)	G29 (Z4 Roadster)		

SITUATION

The customer may hear an intermittent “humming” or “foghorn” type sound in vehicle. It sounds like a low hum that last for only a few seconds.

This can occur with the engine operating or may be heard for up to one hour after engine shut down.

CAUSE

This hum noise may be caused by the expansion valve of the air conditioning system.

Other noises may occur in these vehicles with different root causes:

- For a **whistling noise** heard above 40 mph that is loudest with the sunroof in the vent position, see SI [B64 01 21](#)
- For a **clicking noise** from repeated activation of the recirculated air flap, see SI [B64 02 22](#)
- For a **groaning noise** heard from within the heating and air-conditioning unit in the center of the instrument panel when either a ventilation flap, air stratification flap or the recirculated air flap moves to a different position; see SI [B64 04 22](#)

CORRECTION

- The expansion valve moves internally in response to system pressure/temperature and can occasionally make noise. Explain cause of noise to customer.
- Replace the expansion valve in cases where excessive noise occurs and is confirmed

PROCEDURE

1. Confirm the customer’s concern.
2. Check the vehicle for related stored fault codes.
3. Perform standard system diagnosis to verify the issue.
4. Replace the expansion valve only in case of excessive noise. If contamination is found when replacing the expansion valve, then the air conditioning system should be flushed.

PARTS INFORMATION

Parts are only required in those situations where it is determined that there is an issue with the corresponding system’s components.

To determine the part number(s) that applies to the specific vehicle being repaired, enter the VIN / Chassis number into either ETK or AIR, this will consider the specific equipment and/or options that are fitted to the vehicle.

Additionally, other materials and small parts that are not specified above, such as fluids, lubricants, one-time use screws, nuts, and seals, which must be replaced or installed (according to the ISTA repair instructions/ETK/AIR), are to be selected from the Electronic Parts Catalog, and/or other approved BMW Group’s resources according to the respective vehicle type. Invoiced these items separately under the Repair Code listed in this bulletin.

CLAIM INFORMATION

This Service Information Bulletin provides technical, diagnosis, and repair-related information.

Damage and/or issues caused by outside influences are not covered under the BMW limited warranties.

Eligible and Covered Work/Repairs

Repairs that address a verified defect in materials and/or workmanship are covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

To submit a claim, please follow the established and applicable warranty policy and procedures (Labor/Part/Sublet – Bulk supply materials) that apply to the repair being performed.

Refer to AIR for the claim submission’s line item Repair Code.

BMW Group’s AIR Application Resource for Flat Rate Labor Operation Codes

To obtain repair-related labor operation codes (including diagnosis*) and the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, enter the Chassis Number (last seven (7) characters of the VIN), and click on the “Search” icon. If the “Vehicle Selection” window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the “Flat Rate Units” button and enter a flat rate labor operation code description or number in the field to the right, click on the “Search” icon to display the corresponding listing of “Flat rate unit group details” that are available.

(*) Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

