

Cheeping/ticking during heating

Topic number	LI83.20-P-079911
Version	3
Function group	83.20 - Heating
Date	7/22/26
Validity	BR174
Reason for change	Damage code added

Complaint

High-frequency cheeping or ticking when heating is requested in the instrument panel area.

Attachments	
File	Description
Fiepen und Tickern.MOV	Ticking noise sample

Cause

Variable switching frequencies in the high-voltage on-board electrical system can cause vibrations that lead to noise complaints on the HV-PTC N33/16 (air heater).

Remedy

Perform the following steps:

1. Compare the noise with the attached example. If the noise matches the example, proceed to step 2; otherwise, create a TIPS case.
2. Check whether SNR A1748354600 is installed. (Quick test → N33/16 → Hardware): If SNR A1748354600 is installed, proceed to step 3; otherwise, create a TIPS case.
3. Hardware replacement of the HV-PTC N33/16 air heater – install a new part with the current item number as per XPPI.

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a

symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms
Body > Air conditioning > Heater > Noise

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
83530	Replace the air heater	H	831WC	