

Random Heating Of Air Conditioning System

Topic number	LI83.30-P-079081
Version	1
Function group	83.30 - Air conditioning
Date	4/21/25
Validity	BR118, BR167, BR177, BR206, BR214, BR223, BR232, BR236, BR243, BR247, BR254, BR294, BR295, BR296, BR297
Reason for change	

Complaint

Random heating of air conditioning system.

Cause

Temperature sensor in overhead control panel (OCP) delivering incorrect values:

The temperature sensor in the overhead control panel is malfunctioning.

Fault code B110709 or fault code B11F697 are present in the overhead control panel with the status (active) or (active stored).

or

The temperature sensor in the overhead control panel measures an incorrect temperature (the temperature value can be checked against the actual value in the overhead control panel)

If the above-mentioned fault code is not present, the cause could be malfunction on the air conditioning system.

Remedy

If one of the above-mentioned fault codes should occur, a TIPS case must be created [here](#).

If the above fault codes or actual value differences are present in the OCP - please send the case to the Body/Chassis/Entertainment inbox. Otherwise, the case must be sent to the HV/LV inbox for support in A/C diagnosis.

*** It is not necessary to replace the overhead control panel ***

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 > Stationary heater/auxiliary heater > Malfunction
Body > Air conditioning > Heater > Remains cold
Body > Air conditioning > Heater > Remains warm/hot
Body > Air conditioning > Heater > Insufficient heat output
Body > Air conditioning > Air conditioning > Insufficient cooling output
Body > Air conditioning > Air conditioning > Temperature differences
Body > Air conditioning > Air conditioning > Temperature control not sensitive enough

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			83403	Fault type 73