

167 Air Conditioning Evaporator Leaking

Topic number	LI83.30-P-077763
Version	3
Function group	83.30 - Air conditioning
Date	5/24/24
Validity	167
Reason for change	Case direction

Complaint

Customer concern of Air Conditioning not cooling.

Cause

Possible refrigerant leak at the evaporator.

Remedy

Perform the following measures and open a TIPS case in the HV/LV inbox labeled "167 Evaporator Suspected of Leaking"

In the case, please include the following:

1. Attach the Initial Quick Test
2. Short video of the actual pressures via AC machine, showing the engine running, and hold a copy of the VIN/RO in view as well.
3. Picture of the forming gas check being performed with VIN/RO in view.
4. OBS recording of XENTRY AC actual values of compressor request to be on and current value. (s
5. Video recording of the leak being found via sniffer and location.

Note - Please see the list of WIS documents for forming gas leak check, AC flushing and recharging of the system.

The dryer must be replaced when there is a leak in the AC system.

WIS-References		
Document number	Title	Note
AR83.30-P-1760ME	Drain, evacuate and recharge air conditioning, check for proper operation and check for leaks	Performing drain and refill
AR83.30-P-1761ME	Check air conditioning system for leakage	Must be done for all leak checks
AR83.30-P-1785ME	Flush air conditioning	Only to be performed if debris is found in the system

SI83.30-P-0021A	Service Information: Damage code	Notes for damage code to be used.
-----------------	----------------------------------	-----------------------------------

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 > Air conditioning > Insufficient cooling output
--

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
---------	----------------	------	-------------	------