

Rear Lamps Fogged Up or Not Leaktight

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Version	2
Function group	82.10 - Exterior lights
Date	11/12/24
Validity	All
Reason for change	Validity expanded. Model series 190 and model series 192 added

Complaint

Rear lamps fogged up/not leaktight.

Attachments	
File	Description
Betaute Heckleuchten .docx	
Undichte Heckleuchten .docx	

Cause

Fogging of the rear lamps is a natural phenomenon, which can occur under certain climatic conditions.

This does not lead to any technical impairment of the rear lamps.

Remedy

Rear lamp:

Remedy 1:

Clearing fogged/condensed rear lamps:

1. Drive the vehicle into the workshop (temperature higher than +18 °C/+64.4 °F)

Note: Do not wash the vehicle or subject it to high-pressure cleaning before the defogging test.

2. Switch off the engine and connect battery support via a charger.

3. Open the trunk.

4. Switch on the exterior lighting.

5. Leave the vehicle in this state for 60 minutes.

6. Check for formation of condensation -> a significant reduction in the formation of condensation must be clearly recognizable (defogging progress).

XENTRY Tips

Note:

-If no reduction in the degree of fogging is visible, the rear lamp is defective and must be replaced.

-It is not physically possible to defog the headlamps completely – some residual fogging may remain. Fogging does not impair the functionality or the service life of the rear lamps.

-Simultaneous fogging of multiple component parts indicates extreme climatic conditions and also does not impair the functionality or the service life of the rear lamps.

Remedy 2:

You can recognize a defective rear lamp as follows:

1. Check the rear lamps to ensure that no external damage is present, and that the differential aeration cells and the diaphragm are present and correctly seated.

-> If there are signs of external damage on the rear lamp, the component parts must be replaced as per WIS instructions.

2. Check the electrical connectors of the plugs and pins.

-> If moisture/corrosion/etc. is present, the component part must be replaced as per WIS instructions.

3. Check for leak tightness -> Close all openings with Terostat IX or similar and establish and stabilize via an over-pressure (40–50 mbar) via the plug.

-> In the event of a sudden pressure drop, the component part must be replaced as per WIS instructions.

Note: External damage to the rear lamps does not constitute a warranty or goodwill case.

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				
Lighting > Exterior lights > Driving lights > Taillamp > Fogged				
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note