

Headlamps fogged

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Version	2
Design group	82.10 Exterior lights
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Validity	W166 Halogen, model series 213 halogen, model series 292 halogen X166 halogen, SA code: 614, 615, 616, 618, 621, 622 Model series 176 halogen, SA code: 614, 615, 616, 618, 621, 622 Model series 117 SA code: 614, 615, 616, 618, 621, 622 Model series 212 SA code: 631 or 632 Model series 207 SA code 631 or 632 Model series 231
Reason for change	Model designation adapted
Reason for block	

Complaint:

Lamp unit fogged or droplets forming.

Cause:

Because of the housing cover with pressure compensation membrane, the lamp unit is a "closed system". This means that the lamp unit is protected against acid gases, dirt and exhaust gas.

However, moisture can still enter from two sources. Through absorption and desorption (the commonest cause) or through permeation.

Moisture is either absorbed by the plastic material and, when the light source is switched on, it is released from the plastic by desorption, or the moisture penetrates through the plastic materials of the headlamp from outside (permeation). This can lead to the formation of condensation on the lens of the headlamp.

Remedy:

Check housing cover of lamp unit for natural fogging or condensation as per LI82.10-P-050139.

If no reduction in the degree of fogging is visible, the lamp unit must be replaced.

On the new lamp unit, the service cover with desiccant pack must be installed.

Since the replacement headlamps are not supplied with control units, use the control units from the headlamp with condensation.

Make sure that the contacts of the old control unit are undamaged and dry.

Note:

Residual fogging is possible due to the laws of physics and is OK.

Fogging does not impair the functionality or the service life of the lamp unit.

Desiccant packs must always be used in both lamp units.

1. Remove existing service cover with membrane [Figure 1 (1)].
2. Place desiccant pack [Figure 1 (2)] in new service cover with membrane and close with protective grille. Screw down the protective grille with the screw provided [Figure 1 (3)].

Note: One desiccant pack is required for each headlamp.

XENTRY TIPS

3. Stick the membrane supplied onto the new service cover and attach to the headlamp.

Note: The bonding surface must be clean and dry.

Attachments	
File	Description
Bild 1.jpg	Description

Symptoms
Overall vehicle / Lighting / Exterior lights / Driving lights / Main headlamps / Fogged

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 826 16 00			Desiccant pack	2		X
A 000 826 10 00			Large service cover	2	One cover per headlamp	X
A 000 826 20 00			Masking tape	1	Masking tape for the existing 2nd membrane (on headlamp housing)	X

Attachments

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Bild 1.jpg:

