

Headlamps fogged

Topic number	LI82.10-P-062049
Version	3
Function group	82.10 Exterior lights
Date	12-21-2017
Validity	Model series 205 SA code 631 and 632 (Headlamp with static LED) Model series 246 SA code 631 and 632 (Headlamp with static LED)
Reason for change	New desiccant pack with optimized granulate (20g), note index 11!

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 dew.

If no reduction in the degree of fogging is visible, the lamp unit is damaged and 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.