

Headlamp fogged - Open ventilation system

Topic number	LI82.10-P-064766
Version	7
Function group	82.10 Exterior lights
Date	06-15-2020
Validity	Model series 242, 204, 219, 211, 164, 171, 216 and 221 Model series 246 halogen, model series 218 halogen, SA code 614, 615, 616, 618, 621, 622 Model series 117 halogen, model series 156 halogen Model series 218 SA code 614, 615, 616, 618 X204 halogen and SA code 614, 615, 616, 618, 621, 622 Model series 172 halogen, SA code 621, 622 Model series 207 SA code 614, 615, 616, 618, 621, 622 Model series 251 before facelift BR 177 halogen, 247 halogen and BR 205 halogen
Reason for change	Validity adapted: BR205 halogen
Reason for block	

Complaint:

Lamp unit fogged or droplets forming

Cause:

Due to the vent openings, the lamp unit is an "open system".

This means that acidic gases, moisture, dirt and exhaust gases can penetrate it.

This can result in deposits on the diffuser and lens.

Remedy:

Check housing cover of lamp unit for natural fogging or dew as per GI82.10-P-009047.

1. If a reduction in the degree of fogging is visible, the desiccant packs can be used once the condensation has completely evaporated.

1.1. Order the required service covers by referring to the variant overview.

1.2. Remove lamp unit

1.3. Remove all grommets from vent openings.

1.4. Seal vent openings with sealing profile.

Important: All openings must be sealed carefully for the pressure compensation membrane to work properly!

1.5. Remove existing service cover

1.6. Place desiccant packs in new service covers and bolt down

1.7. Stick new diaphragm onto specified surface on service cover [picture of service cover]

Note: The bonding surface must be clean and dry.

XENTRY TIPS

1.8. Attach service cover with desiccant pack to headlamp

1.9. Install lamp unit

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

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

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.

To ensure that the drying pack (absorption) acts effectively, the headlamp has to be air-sealed.

Observe or check the following points for this:

1. The seals on the central connector must all be present [Picture 5 (1)] and correctly fitted [Picture 5 (2)].
2. The new transparent diaphragm must be correctly bonded [Picture 6].
3. Check headlamp housing for any external damage.

Attachments	
File	Description
Bild_02.jpg	1) Service cover 2) Desiccant pack 3) Bolt
Servicedeckel.jpg	1) Service cover 2] Diaphragm 3) Grille 4) Screw
Varianteübersicht Scheinwerfer.jpg	Variant overview
Varianteübersicht Scheinwerfer_en.jpg	English version
Bild 5.jpg	1) Seals missing 2) Seals not correctly fitted
Bild 6.jpg	Transparent diaphragm correctly or incorrectly bonded

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

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 826 16 00	11		Desiccant pack (20g)	1	1 desiccant pack per headlamp	X
A 000 826 09 00			Small service cover	1	Including membrane	X
A 000 826 10 00			Large service cover	1	Including membrane	X
A 005 989 12 71			Sealing profile	1		X

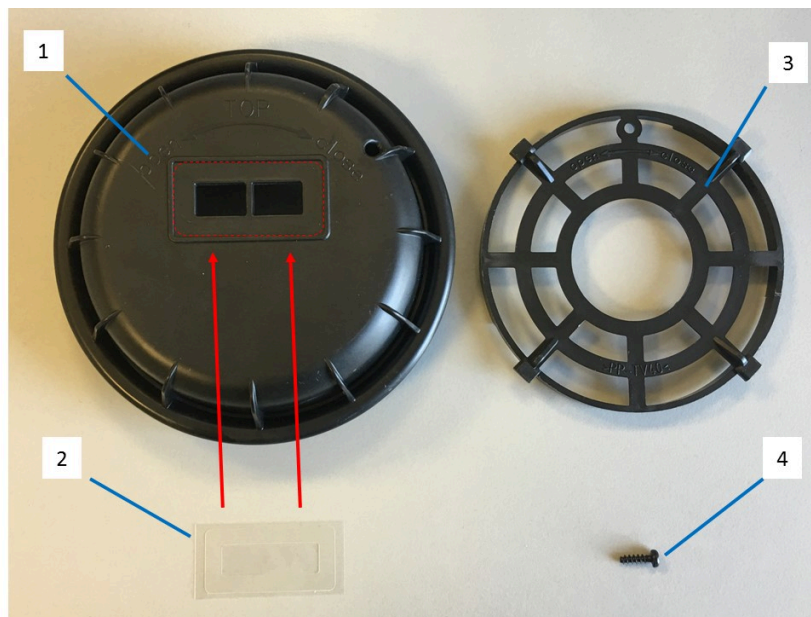
Attachments

XENTRY TIPS

Bild_02.jpg:



Servicedeckel.jpg:



XENTRY TIPS

Variantenübersicht Scheinwerfer.jpg:

Modell	BR	Halogen	Xenon	ILS Scheinwerfer
			SA-Code 614, 615, 616, 618	SA-Code 621, 622
B-Klasse	242	Deckel groß	Deckel groß	Deckel groß
	246	Deckel groß	Deckel groß	Deckel groß
	246M	Deckel klein	-	-
C-Klasse	204	Deckel klein	Deckel groß	Deckel groß
CLA	117	Deckel klein	Deckel groß	Deckel groß
CLS	219	Deckel groß	Deckel groß	-
	219M	Deckel groß	Deckel groß	-
	218	-	Deckel klein	-
E-Klasse	211	Deckel groß	Deckel groß	-
	211M	Deckel groß	Deckel groß	Deckel groß
	212	-	Deckel groß	Deckel groß
	207	-	Deckel groß	Deckel groß
GLK	X204M	Deckel groß	Deckel groß	Deckel groß
GLA	156	Deckel klein	Deckel groß	Deckel groß
M-Klasse	164	Deckel groß	Deckel groß	-
S-Klasse	221	Deckel groß	-	Deckel groß
	221M	-	Deckel groß	Deckel groß
SLK	171	Deckel groß	Deckel groß	-
	171M	Deckel groß	Deckel groß	-
	172	Deckel klein	-	Deckel klein

Variantenübersicht Scheinwerfer_en.jpg:

Model	BR	Halogen	Xenon	Intelligent Light System
			SA-Code 614, 615, 616, 618	SA-Code 621, 622
B-Class	242	Cover large	Cover large	Cover large
	246	Cover large	Cover large	Cover large
	246M	Cover small	-	-
C-Class	204	Cover small	Cover large	Cover large
CLA	117	Cover small	Cover large	Cover large
CLS	219	Cover large	Cover large	-
	219M	Cover large	Cover large	-
	218	-	Cover small	-
E-Class	211	Cover large	Cover large	-
	211M	Cover large	Cover large	Cover large
	212	-	Cover large	Cover large
	207	-	Cover large	Cover large
GLK	X204M	Cover large	Cover large	Cover large
CLA	117	Cover small	Cover large	Cover large
M-Class	164	Cover large	Cover large	-
S-Class	221	Cover large	-	Cover large
	221M	-	Cover large	Cover large
SLK	171	Cover large	Cover large	-
	171M	Cover large	Cover large	-
	172	Cover small	-	Cover small

XENTRY TIPS

Bild 5.jpg:

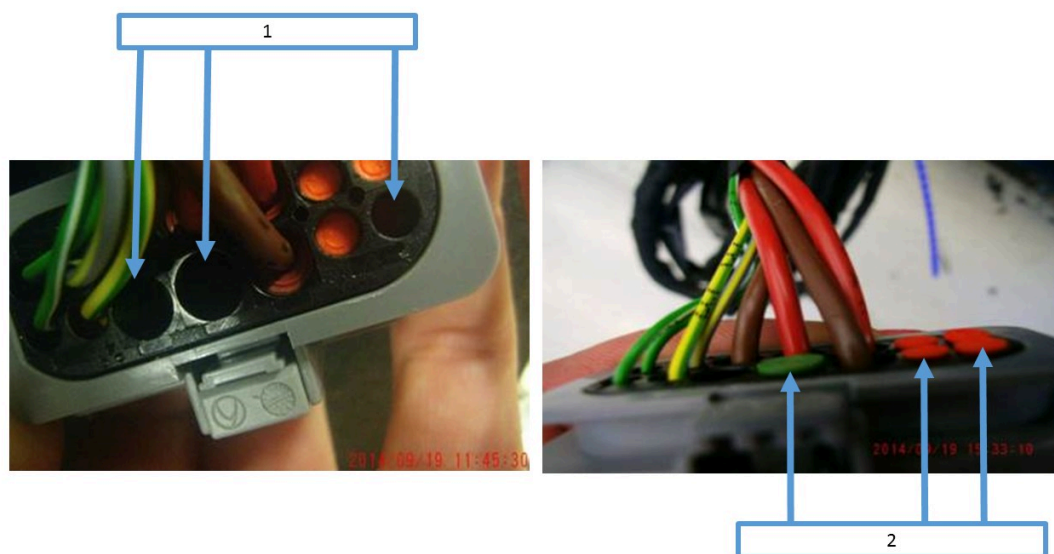


Bild 6.jpg:

