

High Beam Assist temporarily nonfunctional

Topic number	LI82.10-P-053439
Version	1
Design group	82.10 Exterior lights
Date	03-26-2012
Validity	MODEL 204.###, 212.###, 207.###, 221.###, 216.###, 218.###, 166.### with SA code 608 (High Beam Assist) and Production 01.08.2010 - 31.01.2011 or 01.05.2011 - 30.08.2011
Reason for change	
Reason for block	

Complaint:

When the High Beam Assist is activated a "High Beam Assist nonfunctional" message appears in the instrument cluster.

Switch-on conditions for High Beam Assist:

- High Beam Assist in Instrument cluster menu "On"
- Multifunction switch set to high beam position
- Light sensor detects "Night"

Cause:

In isolated circumstances, it can happen that the multifunction camera in temperature ranges (23 °F to 41°F and 68 °F to 86 °F) does not log into the data bus CAN. A fault code entry is not made. Following a renewed ignition sequence and a change in component temperature, the system is operational again.

Remedy:

Replace MFK and calibrate with the aid of the "calibration target for Night View Assist" special tool (W 000 589 01 21 00).

Symptoms
Driving lights / Lighting / Overall vehicle / Adaptive Highbeam Assist / Exterior lights / High beams do not switch on /
Driving lights / Lighting / Overall vehicle / Adaptive Highbeam Assist / Exterior lights / High beams switch off without obvious cause /
Driving lights / Lighting / Overall vehicle / Adaptive Highbeam Assist / High beams temporarily unavailable / Exterior lights /
Driving lights / Lighting / Overall vehicle / Adaptive Highbeam Assist / Display currently unavailable / Exterior lights /
Driving lights / Lighting / Overall vehicle / Adaptive Highbeam Assist / Warning message in instrument cluster / Exterior lights /

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Non-EPC

XENTRY

204.087	*	*
204.088	*	*
204.089	*	*
204.092	*	*
204.200	*	*
204.201	*	*
204.202	*	*
204.203	*	*
204.207	*	*
204.208	*	*
204.222	*	*
204.223	*	*
204.225	*	*
204.241	*	*
204.245	*	*
204.246	*	*
204.247	*	*
204.248	*	*
204.249	*	*
204.252	*	*
204.254	*	*
204.256	*	*
204.257	*	*
204.277	*	*
204.282	*	*
204.289	*	*
204.292	*	*
204.302	*	*
204.303	*	*
204.347	*	*
204.349	*	*
204.357	*	*
207.302	*	*
207.303	*	*
207.322	*	*
207.323	*	*
207.347	*	*
207.348	*	*
207.355	*	*
207.356	*	*
207.357	*	*
207.359	*	*
207.372	*	*

XENTRY

207.373	*	*
207.402	*	*
207.403	*	*
207.422	*	*
207.423	*	*
207.447	*	*
207.448	*	*
207.455	*	*
207.456	*	*
207.457	*	*
207.459	*	*
207.472	*	*
207.473	*	*
212.002	*	*
212.003	*	*
212.005	*	*
212.020	*	*
212.023	*	*
212.024	*	*
212.025	*	*
212.041	*	*
212.047	*	*
212.048	*	*
212.052	*	*
212.053	*	*
212.054	*	*
212.055	*	*
212.056	*	*
212.057	*	*
212.059	*	*
212.072	*	*
212.073	*	*
212.074	*	*
212.077	*	*
212.080	*	*
212.082	*	*
212.087	*	*
212.088	*	*
212.089	*	*
212.090	*	*
212.091	*	*
212.093	*	*
212.147	*	*

XENTRY

212.148	*	*
212.152	*	*
212.154	*	*
212.202	*	*
212.203	*	*
212.205	*	*
212.220	*	*
212.223	*	*
212.224	*	*
212.225	*	*
212.247	*	*
212.248	*	*
212.254	*	*
212.255	*	*
212.256	*	*
212.257	*	*
212.259	*	*
212.272	*	*
212.273	*	*
212.274	*	*
212.277	*	*
212.280	*	*
212.282	*	*
212.287	*	*
212.288	*	*
212.289	*	*
212.291	*	*
212.293	*	*
CL (216)	*	*
CLS (218)	*	*
S (221)	*	*

Service Campaign Bulletin

FILE: SERVICE: GROUP 00 OF SERVICE INFORMATION BINDER
PARTS: GROUP I OF INFORMATION _ PARTS & ACCESSORIES BINDER

Campaign No. 2012020001, March 2012

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Models 166, 221, Model Year 2012**
Update Engine Control Module Software

This Service Campaign has been initiated because Daimler AG (DAG), the manufacturer of Mercedes-Benz vehicles, has determined that the Engine Control Module Software may not meet current OBD specifications in the subject diesel vehicles. Dealers will update the Engine Control Module Software at the next workshop visit.

Prior to performing this Service Campaign:

- Please check VMI to determine if the vehicle is involved in the Campaign and if it has been previously repaired.
- Please review the entire Service Campaign bulletin and follow the repair procedure exactly as described.

Please note that Recall and Service Campaigns **do not expire** and may also be performed on a vehicle with a vehicle status indicator.

Approximately 1978 vehicles are affected.

Order No. S-SC-2012020001

This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

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Procedure

Note:

- Use DAS/Xentry 01-02/12 with all associated patches or higher.
- Follow the steps exactly as described in DAS/Xentry.

Be sure to perform the following steps in order to ensure a successful control module software update:

- Connect battery charger
- Turn **OFF** all of the vehicle's electrical consumers.

1. Connect Star Diagnosis to vehicle.
2. Update engine control module software release CR60 BIN5:
Control units > View > CDI motor electronics > Control unit adaptations > Control unit programming.
3. Follow on-screen instructions.

Note:

After updating software CDI software version should be 6429038602 (for model 166).

Note:

The following allowable labor operation should be used when submitting a warranty claim for this repair:

Warranty Information

Operation: Star Diagnosis System (SDS), Connect/disconnect (02-4762).
Install software for engine control module (with DAS connected) (02-7494).
Connect/disconnect battery charger (02-5058).

Damage Code	Operation Number	Model Indicator(s)
54 954 39 8	02-4762	AK, 2A
	02-7494	
	02-5058	

Note

Operation code times are subject to change. Please refer to StarTime for current labor times.