

Part 573 Safety Recall Report

21V-509

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** JUL 02, 2021**NHTSA Recall No. :** 21V-509**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Mercedes-Benz USA, LLC

Address : 13470 International Parkway

Jacksonville FL 32218

Company phone : 1-877-496-3691

Population :

Number of potentially involved : 1,467

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2020 Mercedes-Benz C300

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2018-2020 C-Class 101 vehicles.

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2019-2020 Mercedes-Benz AMG C63

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019-2020 AMG C-Class 2 vehicles.

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2020-2020 Mercedes-Benz GLB250

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 GLB-Class 35 vehicles

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 4 : 2020-2021 Mercedes-Benz GLE450

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020-2021 GLE-Class 165 vehicles

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2019-2020 Mercedes-Benz A220

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019-2020 A-Class 138 Vehicles

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2019-2020 Mercedes-Benz AMG C43

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019-2020 AMG C-Class 11 vehicles

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2020-2021 Mercedes-Benz GLE350

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020-2021 GLE-Class 991 vehicles.

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2021-2021 Mercedes-Benz AMG GLE53

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG GLE-Class 6 vehicles

The recall population was determined through repair records.

Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2020-2020 Mercedes-Benz GLE580

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 GLE-Class 6 vehicles
The recall population was determined through repair records.
Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 10 : 2021-2021 Mercedes-Benz AMG GLE63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG GLE-Class 12 vehicles
The recall population was determined through repair records.
Vehicles outside of the recall population have not had a repair to the headlamps and are manufactured according to current production specifications.

Production Dates : JUN 05, 2018 - JAN 31, 2020

VIN Range 1 : Begin : NR End : NR Not sequential

Description of Noncompliance :

Description of the Noncompliance : Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2018-2021 GLE-Class (167 platform), C-Class (205 platform), A-Class (177 platform) and GLB-Class (247 platform) vehicles with light emitting diode "LED" headlamps where a recalibration of the headlamp was necessary due to a repair, the adjustment of the headlamps might not meet current production specifications or fulfill the requirements of FMVSS 108 (Lamp, Reflective Devices and Associated equipment - §571.108 S10.14.6)

FMVSS 1 : 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS 2 : NR

Description of the Safety Risk : In this case, the light intensity of the high beam, low beam, and the model specific turn signal indicator may not conform to the requirements of FMVSS 108, which could increase the risk of a crash.

Description of the Cause : Due to a production deviation at a supplier, an incorrect data matrix code (DMC) label might have been applied to the headlamp. This DMC label is a scannable code that was only used by the workshop in the event of a repair for the adjustment of the headlamp when replacing the headlamp control unit or headlamp itself.

Identification of Any Warning : The customer will not receive an advance warning due to the nature of the that can Occur : failure mechanism.

Involved Components :

Component Name 1 : STATIC LIGHTING UNIT LED SAE left

Component Description : STATIC LIGHTING UNIT LED SAE left

Component Part Number : A1679061305

Component Name 2 : STATIC LIGHTING UNIT LED SAE right

Component Description : STATIC LIGHTING UNIT LED SAE right

Component Part Number : A1679061405

Component Name 3 : DYNAMIC LIGHTING UNIT LED SAE left

Component Description : DYNAMIC LIGHTING UNIT LED SAE left

Component Part Number : A1779060104

Component Name 4 : DYNAMIC LIGHTING UNIT LED SAE right

Component Description : DYNAMIC LIGHTING UNIT LED SAE right

Component Part Number : A1779060204

Component Name 5 : STATIC LIGHTING UNIT SAE left

Component Description : STATIC LIGHTING UNIT SAE left

Component Part Number : A1779060501

Component Name 6 : STATIC LIGHTING UNIT SAE right

Component Description : STATIC LIGHTING UNIT SAE right

Component Part Number : A1779060601

Component Name 7 : DYNAMIC LIGHTING UNIT LED SAE left

Component Description : DYNAMIC LIGHTING UNIT LED SAE left

Component Part Number : A1779061503

Component Name 8 : DYNAMIC LIGHTING UNIT LED SAE right

Component Description : DYNAMIC LIGHTING UNIT LED SAE right

Component Part Number : A1779061603

Component Name 9 : DYNAMIC LIGHTING UNIT LED SAE RV left

Component Description : DYNAMIC LIGHTING UNIT LED SAE RV left

Component Part Number : A2059066004

Component Name 10 : DYNAMIC LIGHTING UNIT LED SAE RV right

Component Description : DYNAMIC LIGHTING UNIT LED SAE RV right

Component Part Number : A2059066104

Component Name 11 : DYNAMIC LIGHTING UNIT LED SAE RV left

Component Description : DYNAMIC LIGHTING UNIT LED SAE RV left

Component Part Number : A2059067706

Component Name 12 : DYNAMIC LIGHTING UNIT LED SAE RV right

Component Description : DYNAMIC LIGHTING UNIT LED SAE RV right

Component Part Number : A2059067806

Component Name 13 : DYNAMIC LIGHTING UNIT LED SAE left

Component Description : DYNAMIC LIGHTING UNIT LED SAE left

Component Part Number : A2479060102

Component Name 14 : DYNAMIC LIGHTING UNIT LED SAE right
Component Description : DYNAMIC LIGHTING UNIT LED SAE right
Component Part Number : A2479060202

Component Name 15 : DYNAMIC LIGHTING UNIT LED SAE RV left
Component Description : DYNAMIC LIGHTING UNIT LED SAE RV left
Component Part Number : A2479064100

Component Name 16 : DYNAMIC LIGHTING UNIT LED SAE RV right
Component Description : DYNAMIC LIGHTING UNIT LED SAE RV right
Component Part Number : A2479064200

Supplier Identification :

Component Manufacturer

Name : Hella Automotive Mexico S.A. de C.V.
Address : Anillo Perif. Sur Manuel Gómez Morín
7988-Piso 1, Santa María Tequepexpan, San Pedro Tlaquepaque, Jal., Foreign States 45601
Country : Mexico

Chronology :

In the course of a standard review of one of its suppliers, in early October 2019, MBAG found information that suggested that the DMC label applied to the headlamp of certain vehicles did not contain the correct headlamp calibration data for the installed headlamp. MBAG, in coordination with the supplier, initiated an investigation. The supplier could not ensure that all headlamps were equipped with a correct DMC label. The supplier analyzed the calibration data contained on the affected DMC labels and the possible effects on the headlamps if the data contained in the DMC label was utilized in the course of a repair. The supplier's analysis lasted through August 2020 and MBAG began to review those findings and conduct analysis in September 2020. While there was identified a potential for deviations from the light intensity provision at specific measurement points, it was ruled out that these deviations could have an impact on driver glare or even be perceptible to other road users. Further, MBAG analyzed whether the affected DMC labels had even been utilized during a workshop repair. In February 2021, MBAG adjusted its workshop repair processes so that in all future repairs or adjustments to the headlamp, headlamp calibration data would be read out of a separate system and the DMC label would not be used. Between March - April 2021, MBAG identified that vehicles with affected DMC labels had received headlamp repairs. A complex review of technical data was conducted to determine whether,

depending on the type of repair, the compliance of the headlamps could actually have been impacted by the calibration data used. On June 25, 2021, MBAG determined that a non-compliance with FMVSS 108 cannot be ruled out and decided to conduct a recall on the potentially affected vehicles.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer, will replace the LED headlamps on the affected vehicles.
Pursuant to 49 C.F.R. § 577.11(e), MBUSA does not plan to provide notice about pre-notice reimbursement to owners since none of the involved vehicles would have been previously subject to the condition described and all remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : Headlamps manufactured according to current production specifications and conform to FMVSS 108

Remedy Part No:

STATIC LIGHTING UNIT LED SAE left	A1679061305
STATIC LIGHTING UNIT LED SAE right	A1679061405
DYNAMIC LIGHTING UNIT LED SAE left	A1779060104
DYNAMIC LIGHTING UNIT LED SAE right	A1779060204
STATIC LIGHTING UNIT SAE left	A1779060501
STATIC LIGHTING UNIT SAE right	A1779060601
DYNAMIC LIGHTING UNIT LED SAE left	A1779061503
DYNAMIC LIGHTING UNIT LED SAE right	A1779061603
DYNAMIC LIGHTING UNIT LED SAE RV left	A2059066004
DYNAMIC LIGHTING UNIT LED SAE RV right	A2059066104
DYNAMIC LIGHTING UNIT LED SAE RV left	A2059067706
DYNAMIC LIGHTING UNIT LED SAE RV right	A2059067806
DYNAMIC LIGHTING UNIT LED SAE left	A2479060102
DYNAMIC LIGHTING UNIT LED SAE right	A2479060202
DYNAMIC LIGHTING UNIT LED SAE RV left	A2479064100
DYNAMIC LIGHTING UNIT LED SAE RV right	A2479064200

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of our supplier ensures that this issue can no longer occur from February 03, 2020 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on July 12, 2021. Owners will be notified of the voluntary recall campaign before August 31, 2021.

A copy of all communications will be provided when available.

Planned Dealer Notification Date : JUL 12, 2021 - NR

Planned Owner Notification Date : AUG 31, 2021 - NR

* NR - Not Reported