



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V511

Manufacturer Name: Mercedes-Benz USA, LLC

Submission Date: Sep 19, 2025

NHTSA Recall No.: 25V511

Manufacturer Recall No.: 2025090005

Manufacturer Information

Population

Manufacturer Name: Mercedes-Benz USA, LLC

Address: 13470 International
Parkway
Jacksonville FL, 32218

Total number of potentially involved: 136

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2024-2024 MERCEDES-BENZ GLA 250 4MATIC

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Oct 17, 2023 - Jan 26, 2024

Number of potentially involved: 122

Descriptive Information:

Mercedes-Benz MY24 GLA 250 4MATIC 122 vehicles. The recall population was determined through production records. Vehicles outside the recall population have headlamps installed with the required optical reference marking point.

Vehicle 2: 2024-2024 MERCEDES-BENZ GLA 250

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Oct 17, 2023 - Jan 26, 2024

Number of potentially involved: 8

Descriptive Information:

Mercedes-Benz MY24 GLA 250 8 vehicles. The recall population was determined through production records. Vehicles outside the recall population have headlamps installed with the required optical reference marking point.

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Vehicle 3: 2024-2024 MERCEDES-BENZ AMG GLA 35 4MATIC

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Oct 17, 2023 - Jan 26, 2024

Number of potentially involved: 6

Descriptive Information:

Mercedes-Benz MY24 AMG GLA 35 4MATIC 6 vehicles. The recall population was determined through production records. Vehicles outside the recall population have headlamps installed with the required optical reference marking point.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year "MY" 2024 GLA (247 platform) vehicles, the front headlamps might be missing the required optical reference marking point.

FMVSS1: 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

The affected vehicles left the plant with the correct headlight adjustment since the plant does not use this marking point. However, headlight adjustment using the wall projection method in an independent workshop might not be performed according to the requirements specified in FMVSS 108.

As a consequence, the headlamps might not be aimed correctly, which might lead to glare for oncoming traffic, increasing the risk of a crash.

Description of the cause:

Due to a deviation in the production process of a supplier, a certain batch of headlamps might not meet specifications.

Identification of any warning that can occur:

The driver will not receive a warning due to the nature of the failure mechanism.

Component Manufacturer

Tier of Supplier:

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25V511**Supplier Type:****Name:** HELLA GmbH & Co. KGaA**Address:** Rixbecker Straße 75
Lippstadt Foreign States, 59552**Country:** Germany

Involved Components

Component Name 1: LAMP UNIT**Component Description:** LAMP UNIT**Component Part Number:** A2479066507**Component Name 2:** LAMP UNIT**Component Description:** LAMP UNIT**Component Part Number:** A2479066607

Chronology

In January 2024, Mercedes-Benz AG discovered that the front headlights might not have been manufactured according to specifications by the supplier, and that the optical axis marking point was missing.

Headlight replacement within the factory was initiated and it was believed that all potentially affected vehicles were captured before delivery.

In end of May 2025, an investigation regarding headlight replacement or repairs on the same vehicle population was conducted. During this investigation, it was found that some vehicles might have left the factory without undergoing the original factory rework.

MBAG started an analysis regarding the potential consequences of a missing marking point. In this context, it was especially examined whether a correct headlight setting can also be achieved without a marking point indicating the optical axis. In July 2025, it was concluded that a correct headlight setting is always ensured since (i) the headlights setting during vehicle production uses the alternative trade mark marking on the headlights, which is present and not affected by the supplier issue and (ii) the vehicle headlight setting in Mercedes-Benz workshops uses a headlight aiming device and does not rely on the optical axis marking point. Therefore, vehicle headlights are correctly aimed when vehicles are produced, and correctly aimed during any repair procedure at a Mercedes-Benz workshop. However, correct adjustment cannot be guaranteed at an independent workshop that might not use a headlight aiming device.

In parallel, MBAG investigated relevant worldwide regulations.

On August 1, 2025 MBAG determined that a potential non-compliance with FMVSS 108 cannot be ruled out and decided to conduct a recall.

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MBAG can confirm that there are no warranty claims, field, or service reports related to this non-compliance.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type:

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

An authorized Mercedes-Benz dealer will check the headlights on the affected vehicles and replace them, if necessary.

How remedy component differs from recalled component:

Vehicles outside the recall population have headlamps installed with the required optical reference marking point.

Identify how/when recall condition was corrected in production:

A change in the production process of our supplier ensures that this issue can no longer occur from January 29, 2024 onwards.

Reimbursement Plan

Description of reimbursement program:

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.

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Recall Schedule

Description of recall schedule:

Dealers will be notified of the pending voluntary recall campaign on August 15, 2025. Owners will be

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notified of the voluntary recall campaign on October 3, 2025. A copy of all communications will be provided when available.

Planned Dealer Notification Date: Aug 15, 2025

No Dealers

Planned Interim Owner Notification Date:

No Owners

Planned Remedy Owner Notification Date: Oct 03, 2025

Phased Recall

Date when VIN will be searchable: Aug 15, 2025