

Part 573 Safety Recall Report

21V-483

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** SEP 24, 2021**NHTSA Recall No. :** 21V-483**Manufacturer Recall No. :** 2021080021**Manufacturer Information :****Population :**

Manufacturer Name : Mercedes-Benz USA, LLC

Number of potentially involved : 4,917

Address : 13470 International Parkway

Estimated percentage with defect : 1 %

Jacksonville FL 32218

Company phone : 1-877-496-3691

Vehicle Information :

Vehicle 1 : 2021-2021 Mercedes-Benz AMG GT53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG GT53 117 vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 Mercedes-Benz AMG CLS53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG CLS53 55 vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2021-2021 Mercedes-Benz G550

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 G-Class 236 vehicles
The recall population was determined through production records.
Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

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

Vehicle 4 : 2021-2021 Mercedes-Benz AMG G63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG G63 408 vehicles
The recall population was determined through production records.
Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

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

Vehicle 5 : 2021-2022 Mercedes-Benz CLS450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 CLS450 364 vehicles
The recall population was determined through production records.
Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

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

Vehicle 6 : 2021-2021 Mercedes-Benz AMG GT43

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG GT43 135 vehicles
The recall population was determined through production records.
Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2021-2021 Mercedes-Benz E450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 E450 573 vehicles
The recall population was determined through production records.
Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2021-2021 Mercedes-Benz AMG GT63

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG GT63 75 vehicles
The recall population was determined through production records.
Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2021-2021 Mercedes-Benz AMGT E53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG E53 235 vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2021-2022 Mercedes-Benz AMG E63

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 AMG E63 258 vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 11 : 2021-2021 Mercedes-Benz E350

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 E350 2461 vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have rear seat row seat belts that meet current production specifications.

Production Dates : NOV 21, 2020 - JUL 05, 2021

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 been informed by its supplier Autoliv that it might have been supplied with certain seat belt assemblies manufactured by certain Autoliv Group companies between October 26, 2020 and January 27, 2021, which might not fulfill certain requirements of FMVSS 208.

The potential issue is described by Autoliv in its equipment report as follows: "Autoliv has determined that these seat belt assemblies do not comply with FMVSS 208 S7.1.1.5, which requires each designated seating position except the driver's position to have "a seat belt assembly whose lap belt portion is lockable so that the seat belt assembly can be used to tightly secure a child restraint system." The subject seat belt assemblies have a feature that converts the retractor from an emergency locking retractor (ELR) to an automatic locking retractor (ALR). The seat belts convert to the ALR mode after the webbing has been fully withdrawn from the retractor. The system is designed so that as the seat belt is released into the retractor, the ALR function remains active so a child restraint seat can be tightly secured. However, in certain seat belt assemblies the ALR function deactivates early before the webbing is fully retracted."

FMVSS 1 : 208 - Occupant crash protection

FMVSS 2 : NR

Description of the Safety Risk : The potential impacts are described by Autoliv in its equipment report as follows:
"This noncompliance does not impact the compliance or functionality of the seat belt assemblies with respect to their normal use by adult passengers or use of the LATCH system to secure child restraint seats. With child restraint seats for which the vehicle owner elects to use the seat belt to secure the child restraint seat instead of the LATCH system, even in a braking situation the normal seat belt locking mechanism, or ELR, prevents the seat belt from lengthening and the child restraint seat from moving even if the ALR functions not activated. In addition, in a crash situation, seat belts equipped with pretensioners have the functional equivalent of the ALR function and, as a result, even when the vehicle owner elects to use the seat belt instead of the LATCH system to secure the child restraint seat, there is no increased risk to the safety of child restraint seat occupants."

The ALR function automatically retracts and tightens the rear seat belt when using a child restraint system. According to the supplier, due to a geometric deviation on the sensor lever, the ALR function could be deactivated earlier than intended. In this case, the static component requirement according to FMVSS 208 S7.1.1.5 may not be met. According to the NHTSA Recall Acknowledgment document sent to Autoliv (21E-052): "A seat belt retractor that does not function as intended can increase the risk of injury during a crash."

Description of the Cause : The cause of the potential issue is described by Autoliv in its equipment report

as follows:
"The subcomponent supplier of the ALR levers used in the subject seat belt assemblies produced dimensionally out of tolerance parts that may cause the ALR to deactivate before the seat belt webbing is fully retracted."
According to Autoliv's equipment report:
"A vehicle owner who elects to use the seat belt instead of the LATCH system to secure a child restraint seat will notice that the audible clicking noise made when the ALR function is activated stops well before the seat belt webbing is fully retracted."

Involved Components :

Component Name 1 : seat belt rear seat

Component Description : seat belt rear seat USA left

Component Part Number : A21386007853D53,A21386007857P84,A21386007859C94,A21386023859C94

Component Name 2 : seat belt rear seat

Component Description : seat belt rear seat USA central

Component Part Number : A21386016853D53,A21386016857M89,A21386016857P84,A21386016858U14

Component Name 3 : seat belt rear seat

Component Description : seat belt rear seat USA central

Component Part Number : A21386016859C94,A21386034857P84,A21386034858U14,A21386034859C94

Component Name 4 : seat belt rear seat

Component Description : seat belt rear seat USA right

Component Part Number : A21386008853D53,A21386008857M89,A21386008857P84,
A21386008857P84,A21386024858U14

Component Name 5 : seat belt rear seat

Component Description : seat belt left rear seat USA,seat belt right rear seat USA

Component Part Number : A46386055009C94, A46386056009C94

Component Name 6 : seat belt rear seat

Component Description : seat belt rear seat central

Component Part Number : A46386026019C94

Supplier Identification :

Component Manufacturer

Name : Autoliv Inc

Address : Klarabergsviadukten 7

Section B7 Stockholm Foreign States 111 64

Country : Sweden

Chronology :

On June 18, 2021, MBAG was informed by Autoliv regarding their filed equipment report related to the seatbelt assembly's compliance with FMVSS/CMVSS 208, S7.1.1.5. and the potential supply of affected seat belts for Mercedes-Benz vehicles.

On June 25, 2021, MBAG decided to submit its own Noncompliance Information Report based on the determination of the supplier. At that time, the underlying MBAG internal analysis was still ongoing.

On July 23, 2021, MBAG decided that it will not submit a petition for inconsequential noncompliance related to this issue and instead will conduct a recall to remedy the non-compliance identified by Autoliv on vehicles in the field.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will check and replace, respectively, the rear seat belts on the affected vehicles if necessary.

Pursuant to 49 C.F.R. § 577.11(e), MBUSA does not plan to provide notice about pre-notice reimbursement to owners since the involved vehicles would not have been previously subject to the condition described.

How Remedy Component Differs from Recalled Component : Sensor lever of the ALR function according to specifications.
Remedy Part number:
A21386007853D53
A21386007857P84

A21386007859C94
A21386023859C94
A21386016853D53
A21386016857M89
A21386016857P84
A21386016858U14
A21386016859C94
A21386034857P84
A21386034858U14
A21386034859C94
A21386008853D53
A21386008857M89
A21386008857P84
A21386024858U14
A46386055009C94
A46386056009C94
A46386026019C94

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 July 6, 2021 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on July 7, 2021. Owners notified of the voluntary recall campaign by an interim letter on August 13, 2021. A final letter mailed on September 24, 2021. A copy of all communications will be provided when available.

Planned Dealer Notification Date : JUL 07, 2021 - NR

Planned Owner Notification Date : AUG 13, 2021 - NR

* NR - Not Reported