Manufacturer Name : Mercedes-Benz USA, LLC Submission Date : APR 08, 2022 NHTSA Recall No.: 22V-231 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

### **Vehicle Information :**

Vehicle Type : Body Style : Power Train :	LIGHT VEHICLES SUV		
0 0	SUV		
Power Train :			
	GAS		
)escriptive Information :	Mercedes-Benz 2020-2022 GLE-Class 2733 Vehicles The recall population was determined through production records. The root cause analysis rendered that a rework of the subject 48V ground connection in the vehicle assembly process might cause this issue. Accordingly, all vehicles where such a rework was conducted in the respective timeframe were identified as potentially affected vehicles. Vehicles outside of the recall have the 48V ground connection located under the front passenger seat tightened with sufficient torque.		
Production Dates :	NOV 01, 2018 - NOV 12, 20	21	
VIN Range 1:	Begin: NR	End: NR	□ Not sequential

The information contained in this report was submitted pursuant to 49 CFR §573



Number of potentially involved : 21,306 Estimated percentage with defect : 100 %

**Population :** 

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	LIGHT VEHICI SUV	ercedes-Benz A LES	MG GLE5	3	
Descriptive Information :	The recall pop The root cause in the vehicle such a rework potentially aff	oulation was det e analysis rende assembly proce was conducted fected vehicles.	termined ered that a ess might o l in the re Vehicles o	through produc a rework of the cause this issue. spective timefra outside of the re	
Production Dates : VIN Range 1 :		- NOV 12, 2021 NR	End :	NR	Not sequential
	LIGHT VEHICI SUV GAS Mercedes-Ber The recall pop The root cause in the vehicle	nz 2020-2021 G oulation was det e analysis rende assembly proce c was conducted	LE-Class ź termined ered that a ess might o	through produc a rework of the cause this issue. spective timefra	tion records. subject 48V ground connection Accordingly, all vehicles when ame were identified as
	potentially aff				call have the 48V ground itened with sufficient torque.
Production Dates : VIN Range 1 :	potentially aff connection loc NOV 01, 2018	cated under the	front pas	senger seat tigh	
	potentially aff connection loc NOV 01, 2018	cated under the - NOV 12, 2021	front pas	senger seat tigh	atened with sufficient torque.

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Vehicle 4:	2021-2021 Mer	cedes-Benz AM	IG GLE6	3	
Vehicle Type :	LIGHT VEHICLE	S			
Body Style :	SUV				
Power Train :	GAS				
Descriptive Information :	The recall population of the recall population	lation was deter analysis render sembly process vas conducted i ted vehicles. Ve	rmined ed that a s might o n the res ehicles o	24 Vehicles through production record a rework of the subject 48V cause this issue. According spective timeframe were ic outside of the recall have th senger seat tightened with	<sup>7</sup> ground connection ly, all vehicles where lentified as e 48V ground
Production Dates :	NOV 01, 2018 - 1	NOV 12, 2021			
VIN Range 1:		NR	End :	NR	Not sequential
	8				<b>1</b>
Vehicle 5:	2020-2022 Mer	cedes-Benz GL	S450		
Vehicle Type :	LIGHT VEHICLE	S			
Body Style :					
Power Train :					
Descriptive Information :	Mercedes-Benz	2020-2022 GLS	S-Class 1	2046 Vehicles	
Descriptive mormation .				through production record	S.
				a rework of the subject 48V	
				cause this issue. According	
				spective timeframe were ic	
				utside of the recall have th	
	connection loca	ted under the fr	ont pas	senger seat tightened with	sufficient torque.
Production Dates :	NOV 01, 2018 - 1	NOV 12, 2021			
VIN Range 1:		NR	End:	NR	Not sequential
111111160 111	2.09		2.114 /		

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Vehicle Type : Body Style : Power Train :	LIGHT VEHIC SUV GAS				
Descriptive Information :	The recall pop The root cause in the vehicle such a rework potentially aff	oulation was dete e analysis render assembly proces c was conducted f ected vehicles. V	ermined red that a s might in the re ehicles o	1471 Vehicles through production reco a rework of the subject 4 cause this issue. Accordi spective timeframe were outside of the recall have senger seat tightened w	8V ground connection ngly, all vehicles wher e identified as the 48V ground
Production Dates : VIN Range 1 :		- NOV 12, 2021 NR	End :	NR	Not sequential
	<ul> <li>LIGHT VEHICL</li> <li>SUV</li> <li>GAS</li> <li>Mercedes-Ber The recall pop The root cause in the vehicle such a rework potentially aff</li> </ul>	nz 2021 Maybach pulation was dete e analysis render assembly proces c was conducted f fected vehicles. V	GLS-Cla ermined red that a s might in the re ehicles o		8V ground connection ngly, all vehicles when e identified as the 48V ground
Production Dates : VIN Range 1 :		- NOV 12, 2021 NR	End :	NR	☐ Not sequential

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Vehicle 8:	2021-2021	Mercedes-Ber	nz AMG GLS63		
Vehicle Type :	LIGHT VEH	IICLES			
Body Style :	SUV				
Power Train :	GAS				
Descriptive Information :	Mercedes-Benz 2021 AMG GLS-Class 738 Vehicles				
	The root ca in the vehic such a rewe potentially	use analysis re cle assembly pr ork was condu affected vehicl	rocess might cause this issue. cted in the respective timefra es. Vehicles outside of the re-	subject 48V ground connection Accordingly, all vehicles where une were identified as	
Production Dates :	NOV 01, 20	018 - NOV 12, 2	021		
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential	
-	determi Class (1	ined that on ce 67 platform) v	(IBAG"), the manufacturer of 1 rtain Model Year ("MY") 2020 ehicles, the 48V ground conn night not be tightened to the s	0-2022 GLE-Class and GLS- lection located under the	
Description of the Defe FMVSS	determi Class (1	ined that on ce 67 platform) v	rtain Model Year ("MY") 2020	0-2022 GLE-Class and GLS- lection located under the	
- FMVSS FMVSS	determi Class (1 front pa 1 : NR 2 : NR sk : In this c Subsequ combine connect	ined that on ce 67 platform) w assenger seat n case, the groun uently, the elec ation with the	rtain Model Year ("MY") 2020 ehicles, the 48V ground conn hight not be tightened to the s d cable lug might not be correct trical resistance at the conne high electrical currents poter rature in this area might incr	0-2022 GLE-Class and GLS- tection located under the specified torque. ectly secured. ction might increase. In tially flowing through this	
Description of the Defe FMVSS FMVSS Description of the Safety Ris Description of the Caus	determi Class (1 front pa 1 : NR 2 : NR sk : In this of Subsequ combine connect risk of f se : Due to i ground	ined that on ce 67 platform) w assenger seat n case, the groun uently, the elect ation with the tion, the tempe fire cannot be r incorrectly per connection mi	rtain Model Year ("MY") 2020 ehicles, the 48V ground conn hight not be tightened to the s d cable lug might not be correct trical resistance at the conne high electrical currents poter rature in this area might incr uled out. formed rework in the product ght not be tightened to the re	D-2022 GLE-Class and GLS- nection located under the specified torque. ectly secured. ction might increase. In ntially flowing through this rease. As a consequence, a etion process, the 48V equired torque.	
Description of the Defe FMVSS FMVSS Description of the Safety Ris Description of the Caus Identification of Any Warm	determin Class (1) front particular front particular class (1) front particular not particular front particular subsequences Subsequences combination	ined that on ce 67 platform) wassenger seat n case, the groun uently, the elec- ation with the cion, the tempe ire cannot be r incorrectly per connection mi the issue occur ailure mechanic he issue occurs	rtain Model Year ("MY") 2020 ehicles, the 48V ground conn hight not be tightened to the s d cable lug might not be correct trical resistance at the conne high electrical currents poter rature in this area might incr uled out. formed rework in the produce ght not be tightened to the re- s, the driver will not receive a	0-2022 GLE-Class and GLS- tection located under the specified torque. ectly secured. ction might increase. In thially flowing through this this through this through this the sease. As a consequence, a section process, the 48V equired torque. a warning due to the nature	

The information contained in this report was submitted pursuant to 49 CFR §573

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Component Name 1 : nut of ground connection Component Description : nut of ground connection Component Part Number : A0029906850

#### **Supplier Identification :**

#### **Component Manufacturer**

Name : Mercedes-Benz AG Address : NR Foreign States Country : Germany

#### **Chronology** :

In late January 2021, MBAG launched initial investigations based on individual field reports from outside the US describing instances in which customers allegedly experienced the subject condition outlined above. Although only isolated cases were known from the field at that point in time, potentials for improvement of the ground connection series bolting process were identified during these investigations and implemented accordingly.

In February 2021, one case was reported from the US.

In April 2021, a plant action to address potentially affected vehicles was launched.

However, in May 2021, further detailed investigations to identify whether a systematic failure mechanism existed for the known cases were started. While these investigations were ongoing, a further case from outside the US was reported affecting a vehicle that was produced after the mentioned improvements had been implemented in the series production process. Accordingly, analyses regarding the root cause were restarted anew.

In October 2021, these analyses indicated an influence from the vehicle rework process, which was improved accordingly. Subsequently, vehicles potentially affected from this issue due to a rework on the subject bolt connection were identified.

In parallel and through January 2022, MBAG evaluated potential consequences of the untightening of the 48V ground connection in the affected vehicles. In February- March 2022, MBAG reviewed all reported field complaints and validated that the reported claims regarding the ground connection were caused by insufficient torque at the grounding bolt.

MBAG has not received any reports of crashes, injuries, or property damage, associated with this issue. However, on April 1, 2022, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

#### **Description of Remedy :**

Description of Remedy Program :	An authorized Mercedes-Benz dealer will inspect the ground connection torque on the affected vehicles and correct it, 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 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 :	Bolting of the 48V ground connection under the passenger seat fastened with sufficient torque. Remedy Parts: nut of ground connection: A002 990 68 50
	A change in the rework procedure ensures that this issue can no longer occur from November 15, 2021 onwards.
Recall Schedule :	
Description of Recall Schedule :	Dealers will be notified of the pending voluntary recall campaign on April

Dealers will be notified of the pending voluntary recall campaign on April
15, 2022. Owners will be notified of the voluntary recall campaign before
June 7, 2022.
A copy of all communications will be provided when available.
APR 15, 2022 - NR
JUN 07, 2022 - NR

\* NR - Not Reported

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