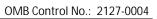
Manufacturer Name :	Mercedes-Benz USA, LLC
Submission Date :	JUN 28, 2023
NHTSA Recall No. :	23V-405
Manufacturer Recall No. :	2023060009

Manufacturer Information :

Manufacturer Name :	Mercedes-Benz USA, LLC
Address :	13470 International Parkway
	Jacksonville FL 32218
Company phone :	1-877-496-3691

Vehicle Information :

	2022-2023 Mer	•	450		
• •	LIGHT VEHICLE	3			
Body Style :					
Power Train :	HYBRID ELECTH	RIC			
Descriptive Information :		of the recall ha		as determined through pro Electric Drivetrain software	
Production Dates :	FEB 24, 2021 - D	DEC 29, 2022			
VIN Range 1:	Begin :	NR	End:	NR	Not sequential
	2022-2022 Mer LIGHT VEHICLE 4-DOOR	•	580		
Power Train :	HYBRID ELECTH	RIC			
Descriptive Information :		of the recall ha		as determined through pro Electric Drivetrain software	
Production Dates :	FEB 24, 2021 - D	DEC 29, 2022			



23V-405



Number of potentially involved : 8,281 Estimated percentage with defect : 100~%

Population :

23V-405

Vahiala 2 · 2	092 2092 Ma	rcedes-Benz EQS	590 51	V	
Vehicle Type : L		-	500 50	v	
Body Style : S		LJ			
Power Train : H		TRIC			
Descriptive Information : 1 V	vehicles. The	recall population le of the recall ha			h production records. I software that meets the
Production Dates : F	EB 24, 2021 -	DEC 29, 2022			
VIN Range 1: Be	gin :	NR	End :	NR	□ Not sequential
Vehicle 4: 2	023-2023 Me	rcedes-Benz AM	G EQE		
Vehicle Type : L	IGHT VEHICL	ES	·		
Body Style : 4	-DOOR				
Power Train : H	YBRID ELECT	TRIC			
		le of the recall ha			h production records. I software that meets the
Production Dates : F	EB 24, 2021 -	DEC 29, 2022			
VIN Range 1: Be	gin :	NR	End :	NR	Not sequential
Vehicle Type : L Body Style : 4 Power Train : H Descriptive Information : 4 V	-DOOR YBRID ELECT 92 vehicles. T	TRIC he recall populat			ough production records. In software that meets the
	urrent specifi				
Production Dates : F	EB 24, 2021 -	DEC 29, 2022			
VIN Range 1: Be	gin :	NR	End :	NR	Not sequential
escription of Defect : Description of the Defect					ercedes-Benz vehicles, has SUV (296 platform) and
	EQS (297 pl current spe	latform) vehicles			oftware might not meet
FMVSS 1 FMVSS 2					
escription of the Safety Risk	· Under spec	ific conditions th	ne fault i	management res	ponse logic mav

23V-40J

Description of the Cause :	Due to a deviation in the development process, the electric drivetrain software may improperly respond in the event of a detected fault at a specific plug connector within the electric drive.
	Before the issue occurs, the driver will not receive a warning due to the nature of the failure mechanism. When the issue occurs, multiple warning messages are displayed in the instrument cluster.
volved Components :	
Component Name 1: 1	Electric drivetrain software
Component Description : 1	Electric drivetrain software
Component Part Number : 2	2979041900
Component Name 2 : 1	Electric drivetrain software
Component Description : 1	Electric drivetrain software
Component Part Number : 2	2979038901
Component Name 3 : 1	Electric drivetrain software
Component Description : 1	
Component Part Number : 2	2979025605
pplier Identification :	
omponent Manufacturer	
Name : Mercedes-Benz AG	, and the second s
Address : NR	
Foreign States	
Country : Germany	

Chronology :

In October 2022, MBAG launched initial investigations based on an isolated field report indicating a

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

23V-405

malfunction of the electrical drivetrain possibly referring to a loss of propulsion. Immediately, analyses were started together with the supplier to determine the root cause. These analyses, including related tests, continued until December 2022. It was concluded that the observed failures were resulting from fault management response logic.

MBAG used field data to identify the scenarios in which the malfunction might occur. Detailed analyses on the possible consequences depending on the software version of the electric drivetrain were performed. Subsequently, further analyses were done to identify potentially affected vehicles. On May 26, 2023, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

MBAG is currently aware of 2 field reports, including warranty claims, received on October 5, 2022 and October 24, 2022 from the US. No injuries, deaths, or third party damages have been reported.

Description of Remedy :	
Description of Remedy Program :	An authorized Mercedes-Benz dealer will update the electric drivetrain software 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.
5 1	Electric Drivetrain software meets the current specifications. 2979041900, 2979039701, 2979026305: Electric drivetrain software
	The introduction of new software for the electric drivetrain ensures that this issue can no longer occur from February 2, 2023 onwards.
1	

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified of the pending voluntary recall campaign on June 9, 2023. Owners will be notified of the voluntary recall campaign before August 4, 2023. A copy of all communications will be provided when available.
Planned Dealer Notification Date : Planned Owner Notification Date :	

* NR - Not Reported

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