

TO: Mercedes-Benz Dealer Principals, General Managers, Sales Managers, Service Managers, Parts Managers	FROM: Gregory Gunther, Senior Manager, Vehicle Compliance and Analysis, Engineering Services
RE: Recall Campaign – Launch Notification Replace Front Axle Electric Drivetrain MY22 EQB (243 platform)	DATE: July 26, 2024

IMPORTANT RECALL CAMPAIGN INFORMATION

Please see the attached documents related to the campaign listed above.

Please note that all customer inquiries should be directed to the Customer Assistance Center at 1-800-FOR-MERCEDES.

Sincerely,

Gregory Gunther

Senior Manager, Vehicle Compliance & Analysis



Recall Campaign Launch Notification			July 26, 2024
Campaign No. :	NHTSA ID :	Campaign Desc. :	Replace Front Axle Electric Drivetrain
2024060007	24V331	24P2195412	
<p>This is to notify you of the Recall Campaign Launch to replace the front axle electric drivetrain on 283 Model Year (“MY”) 2022 EQB (243 platform) vehicles. The recall campaign will be visible on the www.NHTSA.gov website and may generate questions from customers. Affected VINs will be flagged in VMI as “OPEN” on July 26, 2024.</p>			
Background			
Issue	<p>Mercedes-Benz AG, the manufacturer of Mercedes-Benz vehicles, has determined that on certain MY 2022 EQB (243 platform) 4MATIC vehicles, the welded spur gear within the front axle electric drivetrain might not meet current production specifications. In this case, the weld might fail, allowing the spur gear to rotate freely from the differential assembly. As a result, the park pawl located in the front axle electric drivetrain might not function as specified. If the parking brake is engaged, the vehicle will remain stationary even if the park pawl malfunctions. The parking brake is automatically activated by switching off the vehicle or opening the driver-side door. In the event of a weld failure, when the parking brake or service brake are not engaged, the vehicle might not be secured against rollaway even if the gear selector is in the "Park" position, thus increasing the risk of a crash. When the issue occurs, the driver might notice loud and clearly perceptible rattling noises during driving.</p>		
What We're Doing	<p>MBUSA will conduct a voluntary recall. An authorized Mercedes-Benz dealer will replace the front axle electric drivetrain on the potentially affected vehicles.</p>		
Parts	<p>The remedy is available and can be performed.</p>		
Vehicles Affected			
Vehicle Model Year(s)	2022		
Vehicle Model	EQB		
Vehicle Populations			
Total Recall Population	283		
Total Vehicles in Dealer Inventory	0		
<p>Given this notice, it is a violation of Federal law for a dealer to sell or lease any new vehicles in dealer inventory covered by this notification until the vehicle has been repaired. Once the remedy is available, the vehicles will be flagged as “OPEN”, and Work Instructions will be available in NetStar VMI and Xentry Portal. Once the repair is complete, the vehicle may be sold or leased.</p> <p>Loaner and demonstrator vehicles may continue to be driven but must not be retailed until repaired. As a matter of normal service process, please check for other repair measures which might be applicable to the vehicle(s).</p> <p>Additionally, given this notice, it is a violation of Federal Law for car rental companies to rent new vehicles covered by this notification until the vehicle has been repaired.</p>			
Next Steps/Notes			
Customer Notification Timeline	<p>Customer letters will be mailed on or before August 9, 2024.</p>		



AOMS/SOMS	AOMs – This recall may generate questions from your dealers. Please forward this notice to your dealers ASAP.
Rental Fleet Partners	This recall may affect vehicles in your fleet. Please contact your respective MBUSA fleet representative for further information and next steps. For repairs, please contact your preferred MBUSA dealer.
Customer Reimbursement	Customer reimbursement is not being offered for this campaign.
While we regret any inconvenience this may cause, MBUSA is determined to maintain a high level of vehicle quality and customer satisfaction. Please refer all customer inquiries to the Customer Assistance Center at 1-800-FOR-MERCEDES.	



Recall Campaign Bulletin



Mercedes-Benz

Campaign No. 2024060007, July 2024

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model EQB (243 platform)**
Model Year 2022

Replace Front Axle Electric Drivetrain

Mercedes-Benz AG, the manufacturer of Mercedes-Benz vehicles, has determined that on certain MY 2022 EQB (243 platform) 4MATIC vehicles, the welded spur gear within the front axle electric drivetrain might not meet current production specifications. In this case, the weld might fail, allowing the spur gear to rotate freely from the differential assembly. As a result, the park pawl located in the front axle electric drivetrain might not function as specified. If the parking brake is engaged, the vehicle will remain stationary even if the park pawl malfunctions. The parking brake is automatically activated by switching off the vehicle or opening the driver-side door. In the event of a weld failure, when the parking brake or service brake are not engaged, the vehicle might not be secured against rollaway even if the gear selector is in the "Park" position, thus increasing the risk of a crash. When the issue occurs, the driver might notice loud and clearly perceptible rattling noises during driving or while changing gears. An authorized Mercedes-Benz dealer will replace the front axle electric drivetrain on the potentially affected vehicles.

Prior to performing this Campaign:

- VMI must be checked before performing campaigns to verify that the campaign is required on a specific vehicle. Always check for any other open campaigns and perform accordingly.
- Please review the entire Campaign bulletin and follow the repair procedure exactly as described.

Approximately 283 vehicles are affected.

Order No. P-RC-2024060007

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Replace Front Axle Electric Drivetrain

! **WARNING** – High Voltage training required / HV power down must be performed by a certified technician.

Work Procedure

1. Replace front axle electric drive module (Figure 1, 1).

i For basic information, see AR08.10-P-0006EQA.

i Fill coolant and bleed cooling system (for basic information, see AR20.00-P-1151EQA).
NOTE: The cooling system must be filled using the vacuum method!

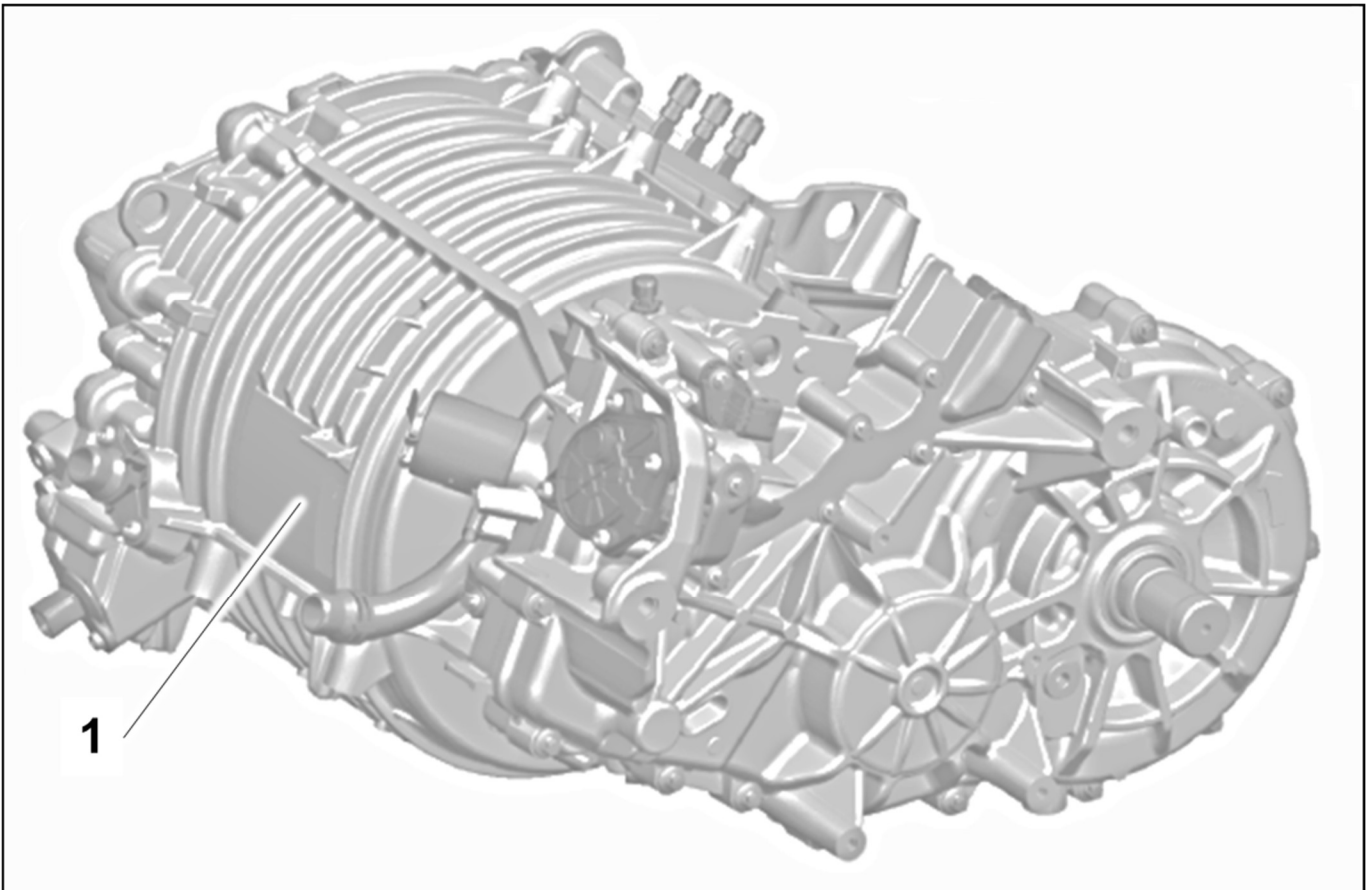


Figure 1

Primary Parts Information

Qty.	Part Name	Part Number
1*	Front Axle Electric Drive	A 243 340 89 02

*** The required replacement parts for the equipment variant must be determined according to the vehicle identification number (VIN) via the XENTRY Parts Information system.**

i Small parts such as screws, lock nuts, sealing rings, cable ties, fluids, sealant, etc. are not listed in the parts list. The required small parts are taken into account in the budgeting.

i **Note:** The following allowable labor operation should be used when submitting a warranty claim for this repair:

Warranty Information

Damage Code	Operation Number	Description	Labor Time (hrs.)
08 900 11	12-2130	Operations: Replace front axle electric drive module. Includes: Drain & fill low-temperature circuit coolant of high-voltage battery cooling system; bleed system; remove/install lower engine compartment lining; remove/install front center underfloor paneling; remove/install front axle shafts; carry out high-voltage on-board electrical system power disconnect and carry out high-voltage on-board electrical system commissioning.	7.5

i **Note:** Always check Xentry Operation Time (XOT) for the current OP-Code times. Labor times are subject to change and updates may not be reflected in this document.