

TO: Mercedes-Benz Dealer Principals, General Managers, Sales Managers, Service Managers, Parts Managers	FROM: Gregory Gunther, Department Manager, Vehicle Compliance and Analysis, Engineering Services
RE: Recall Campaign Launch Notification Check Ground and Potential Equalization Connections MY22 EQS-Class (297 platform)	DATE: April 8, 2022

IMPORTANT RECALL CAMPAIGN UPDATE

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

Department Manager, Vehicle Compliance & Analysis



Recall Campaign Launch Notification

April 8, 2022

Campaign No. :

NHTSA ID

Campaign Desc. :

Check Ground and Potential Equalization Connections

2022030019

22V112

22P5491029

This is to notify you of the Recall Campaign Launch to check the ground and potential equalization connections on **24** Model Year ("MY") 2022 EQS-Class (297 platform) vehicles. The recall campaign will be visible on the www.safercar.gov website and may generate questions from customers. Affected VINs will be flagged in VMI as "OPEN" on **April 8, 2022**.

Background

Issue

Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2022 EQS (297 platform) vehicles, a ground connection on the front-left longitudinal member, as well as the potential equalization for the electric auxiliary heater in the motor compartment, might not have been secured according to current production specifications. An incorrectly bolted ground connection could result in an increased electrical resistance at the connection. The combination of potentially high electrical currents flowing through this connection and an increased electrical resistance could increase the risk of fire. In the event of an interruption with this ground connection, the left headlamp might not function, among other potential components.

What We're Doing

MBUSA will conduct a voluntary recall. An authorized Mercedes-Benz dealer will check the ground and potential equalization connections on the affected vehicles and, if necessary, tighten them according to specifications.

Parts

The remedy is available and can be performed.

Vehicles Affected

Vehicle Model Year(s)

2022

Vehicle Model

EQS-Class

Vehicle Populations

Total Recall Population

24

Total Vehicles in Dealer Inventory

3

Given this notice, it is a violation of Federal law for a dealer to sell or lease any new MY22 EQS-Class 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 Xentry. Once the repair is complete the vehicle may be sold or leased.

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).

Additionally, given this notice, it is a violation of Federal Law for car rental companies to rent new MY22 EQS-Class vehicles covered by this notification until the vehicle has been repaired.

Next Steps/Notes

Customer Notification Timeline

Customer letters will be mailed on or before April 22, 2022.

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.

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



Campaign No. 2022030019, April 2022

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model EQS (297 platform)**
Model Year 2022

Check Ground and Potential Equalization Connections

Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2022 EQS (297 platform) vehicles, a ground connection on the front-left longitudinal member, as well as the potential equalization for the electric auxiliary heater in the motor compartment, might not have been secured according to current production specifications. An incorrectly bolted ground connection could result in an increased electrical resistance at the connection. The combination of potentially high electrical currents flowing through this connection and an increased electrical resistance could increase the risk of fire. In the event of an interruption with this ground connection, the left headlamp might not function, among other potential components. An authorized Mercedes-Benz dealer will check the ground and potential equalization connections on the affected vehicles and, if necessary, tighten them according to specifications.

Prior to performing this Campaign:

- VMI must always 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 24 vehicles are affected.

Order No. P-RC-2022030019

This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Record

Recall Campaign Bulletin

Check threaded connection of ground points on front left longitudinal member, correct if necessary

Model 297

Check/test procedure


1. Perform power disable for high-voltage on-board electrical system.


 For basic data, see **AR47.70-P-1000EQS**.



2. Remove air ducting from engine compartment.

 For basic data, see **AR83.10-P-1411EQS**, operation step 2.1.

3. Loosen the threaded connection of ground point "W92w2" of equipotential bonding line of high-voltage PTC heater (N33/14) for vehicle interior in area of inner front left longitudinal member and left spring dome and screw on correctly (**figure 1**).

 It is possible that the torque of the threaded connection may not have been tightened correctly and this could cause the threaded connection to loosen!

 When tightening the ground point "W92w2" of the equipotential bonding line, make sure that the contact surface of the threaded connection is clean and correct!

 Threaded connection of equipotential bonding line for the vehicle interior front left longitudinal member high-voltage PTC heater  7!

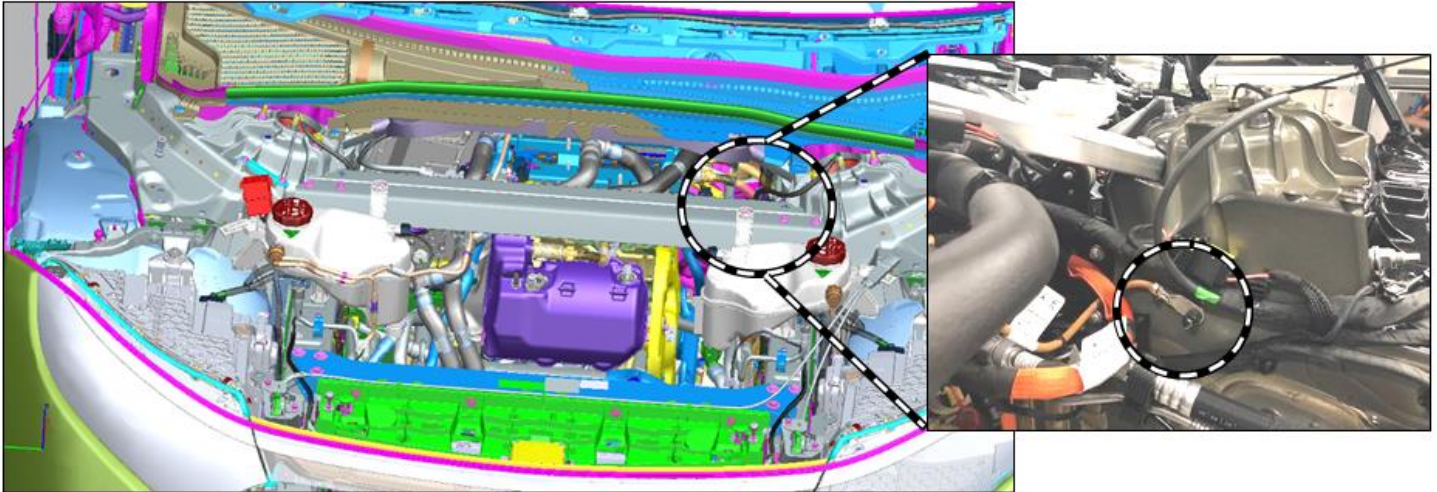



Figure 1

4. Install air ducting from engine compartment.

 For basic data, see **AR83.10-P-1411EQS**, operation step 2.1.

5. Remove front left fender liner front section.

 For basic data, see **AR88.10-P-1301EQS**.

6. Check whether the threaded connection (**A, figure 2 and 3**) of the ground point "W52/8" has been installed correctly on the outer front left longitudinal member.

i It is possible that the threaded connection may be loose!

i The area of the threaded connection shall also be checked for traces of signs of electrical arcing or sparks!

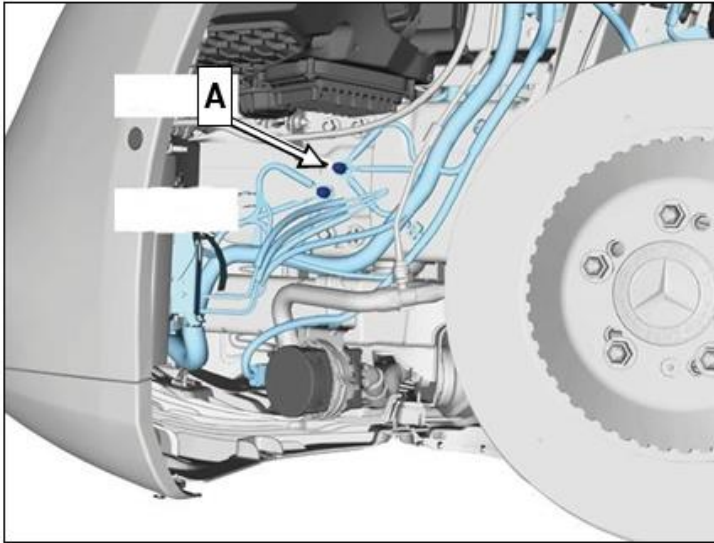


Figure 2

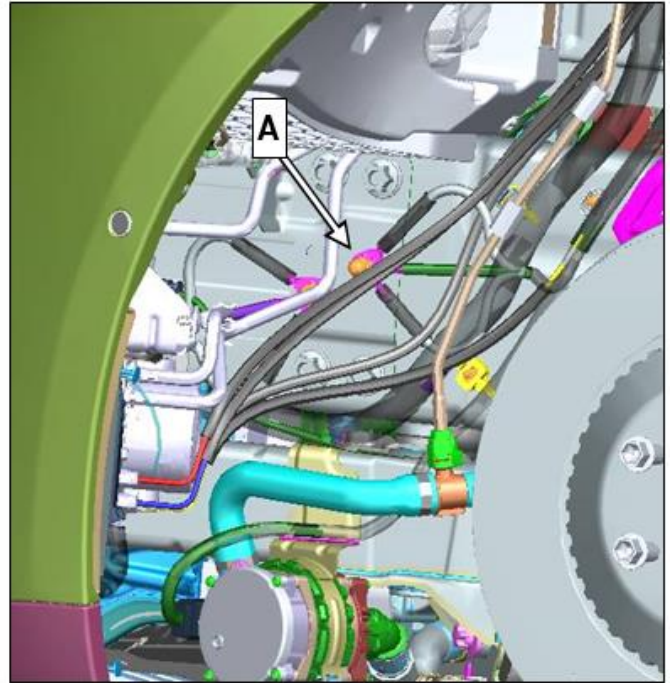


Figure 3

- a. **Arc/spark traces** on threaded connections for ground point "W52/8" **present**: **Perform work procedures A and B.**
- b. **Arc/spark traces** on threaded connections for ground point "W52/8" **not present**: **Perform work procedure B**

Work Procedure A

1. Remove ground line of ground point "W52/8".
2. Eliminate traces of arcing/sparks on the ground point "W52/8".
 - i** Replace cable lug of ground line, to do this, see basic data under **AR00.19-P-0100A**.
 - i** The corresponding cable lugs shall be determined according to the diameter of the diameter of the ground line!
3. Install ground line of ground point "W52/8".

Work Procedure B

1. Correct torque of threaded connections of ground point "W52/8".
 - i** Threaded connection of ground point "W52/8" outer front left longitudinal member **Hm** 7!
2. Assemble in reverse order.
3. Perform commissioning of the high-voltage on-board electrical system.
 - i** For basic data, see **AR47.70-P-1000EQS**.

Primary Parts Information

Qty.	Part Name	Part Number
As required*	Cable lug	A 002 982 60 02
As required*	Cable lug	A 002 982 61 02
As required*	Cable lug	A 002 982 62 02
As required	Heat-shrinkable tube	A 004 546 84 30
As required	Adhesive	A 008 989 49 71

*The replacement parts must be determined according to the diameter of the ground line!

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.)
54 910 29	02-0391	Check threaded connection of ground points on front left longitudinal member Includes: Remove/install air ducting in engine compartment; remove/install front left fender liner; correct threaded connection of ground points W92w2	0.6
	02-0392	Check threaded connection of ground line for the ground point W52/8 (after check) Includes: Repair ground line; eliminate arc/spark traces on ground point W52/8	ZM
	02-0393	Correct torque of threaded connection of ground point W52/8 on front left longitudinal member (after check)	0.1
	02-2193	Perform power disconnect/commissioning for high-voltage on-board electrical system	0.5

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