

ATTENTION: Mercedes-Benz Dealer Principals, General Managers, Sales Managers, Service Managers & Parts Managers

Recall Launch Notification

April 11, 2025

Campaign #	NHTSA ID	Description	Replace Front Axle Brake Hoses
2025030007	25V116	25P4391102	

Campaign Details

Total Recall Population	20,339	Model(s)/ Platform(s)	S-Class (223 platform)
Vehicles in Dealer Inventory	8		
Model Year(s)	2021-2023		
Issue	Mercedes-Benz AG, the manufacturer of Mercedes-Benz vehicles, has determined that on certain subject vehicles, the brake hoses on the front axle might leak over time with use in hot and humid environments. This might lead to reduced braking performance in one of the two brake circuits, which could increase the risk of a crash.		
What We're Doing	MBUSA will conduct a voluntary recall. An authorized Mercedes-Benz dealer will replace the front axle brake hoses.		
Remedy	The remedy part(s) is available and can be ordered at this time.		
Launch Date	Affected VINs will be flagged in VMI as "OPEN" on Friday, April 11, 2025. The campaign will be visible on the www.NHTSA.gov website and may generate questions from customers.		
Approximate Customer Notification Date	Friday, April 25, 2025 Final customer letter can be found at MBUSA.com/recall or NHTSA.gov at the time of mailing.		
Warranty Claim Notice	Please note the campaign will close after the warranty claim has been submitted. This change can take at least one-day to reflect in NetStar VMI.		

Given this notice, it is a violation of federal law for a dealer to sell or lease any new vehicle in dealer inventory covered by this notification until the vehicle has been repaired. Violations of federal law may result in civil penalties.

- Loaner and demonstrator vehicles may continue to be driven, but must not be retailed until repaired.
- Once the remedy is available, vehicles will be flagged as "OPEN" and Work Instructions will be available.
- As a matter of normal service process, please check for other repair measures that 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 vehicles covered by this notification until the vehicle has been repaired. Violations of federal law may result in civil penalties.

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 Care Center at 1-800-FOR-MERCEDES.



Recall Campaign Bulletin



Mercedes-Benz

March 2025

TO: ALL MERCEDES-BENZ CENTERS

CAMPAIGN NO.	2025030007
CAMPAIGN DESC.	25P4391102
NHTSA ID	25V116
SUBJECT	Replace Front Axle Brake Hoses
MODEL(S)	S-Class (223 platform)
MODEL YEAR(S)	2022
CAMPAIGN POPULATION	20,339

Campaign Technical Instructions

Prior to performing this Campaign:

Check the Vehicle Master Inquiry (VMI) to verify this campaign applies to the specific vehicle.

Always check for other open campaigns and perform them accordingly!

Review the entire campaign bulletin first, and perform the procedures exactly as described.

Order No. P-RC-2025030007

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Primary Parts Information

Qty.	Part Name	Part Number
2	Brake hose	A 223 420 31 01

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.

Additional Repair Information

Operation Step	Document Number
Step 9	AR42.10-P-0026S – Remove/install brake hose to front axle Hm BA42.10-P-1005-04R - Brake hose to fixed or floating caliper
Step 10	AR42.10-P-0026S – Remove/install brake hose to front axle Hm BA42.10-P-1003-04R - Retaining screw, brake line to brake hose

i Torque specifications outlined in WIS must always be followed!

Work Procedure

i Contrary to the instructions in WIS, it is not necessary to remove the wheels of the front axle!

1. Open hood.
2. Remove cover above brake fluid reservoir.
3. Connect brakes bleeding unit.

i Do not switch on brakes bleeding unit until Step 13!

4. Lift vehicle with vehicle lift.
5. Rotate front left or right wheel outward so that the brake line and brake hose at the suspension strut and trailing arm are accessible (**Figure 1**).



Figure 1

6. Unclip brake hose from suspension strut (**Figure 2**).

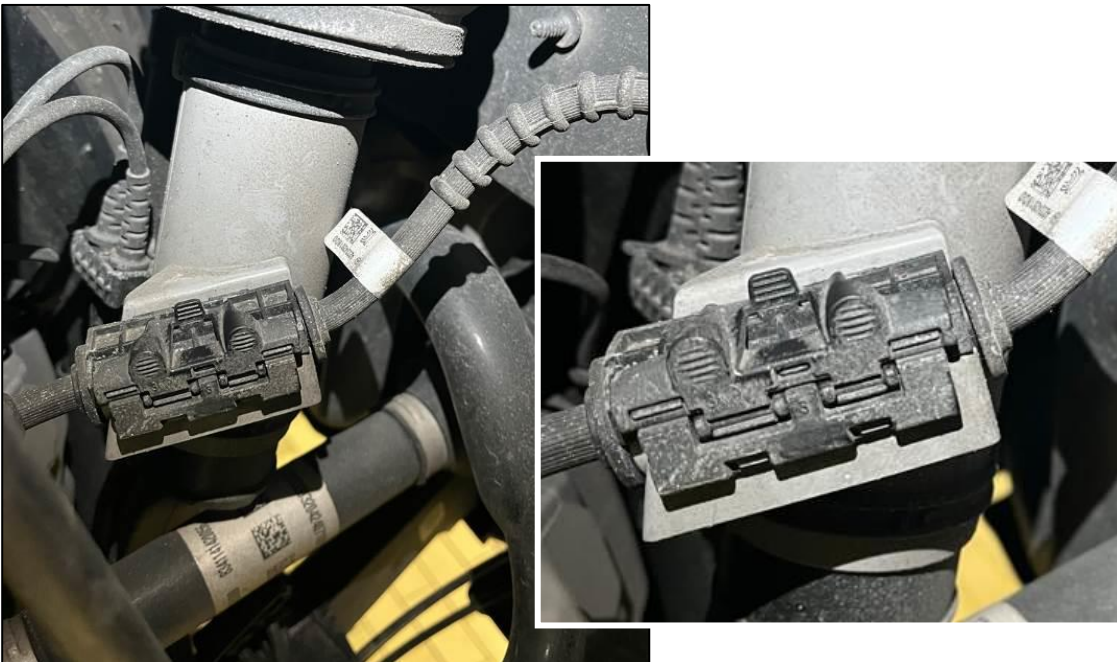


Figure 2

7. Detach brake line from brake hose (**Figure 3**) and seal connections using suitable stop plugs.

i Seal connections immediately! Damage may occur due to escaping brake fluid.



Figure 3

8. Rotate wheel back to straight-forward position.

9. Unscrew brake hose from brake caliper (**Figure 4**), mount new brake hose to brake caliper and tighten with specified torque.

Nm Brake hose at fixed brake caliper or floating brake caliper **24Nm**



Figure 4

10. Rotate wheel outward, position brake hose on suspension strut holder, mount on brake line (**Figure 5**) and tighten to specified torque.


 Retaining screw, brake line to brake hose **14Nm**



Figure 5

11. Mount brake hose free of tension at suspension strut holder (**Figure 6**) and clip in retainer.



Figure 6

12. Repeat **Work Procedure Steps 5 to 11** on opposite side front wheel.

13. Switch on brake bleeding unit and bleed brake system on all four wheels.

i Use angled connection for brake fluid receptacle (**Figure 7**).

i Removal of the wheels is not necessary.

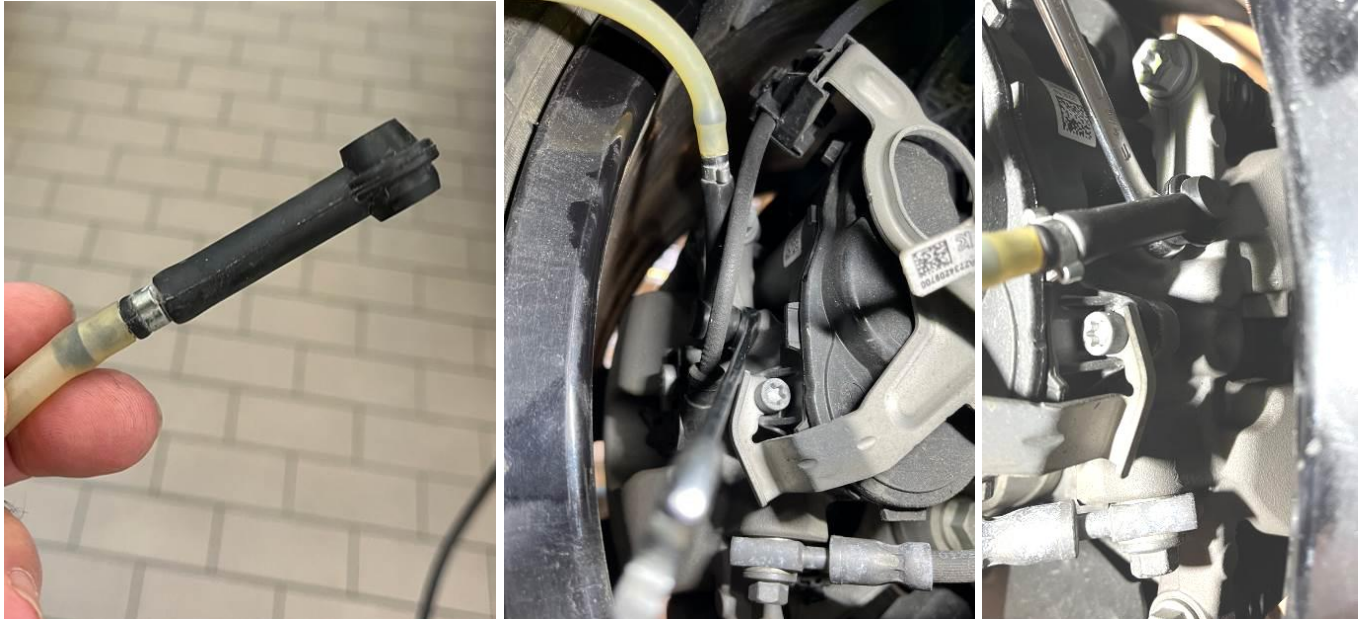


Figure 7

14. Clean working area on brake calipers and lines/hoses.

15. Disconnect brake bleeding unit.

16. Operate brake system and check for leak tightness in working area.

Warranty Information

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

Damage Code	Operation Number	Description	Labor Time (hrs.)
43 911 02	12-2364	Replace 2 brake hoses on front axle Includes: Lift vehicle, replace both brake hoses on front axle, bleed brake system, operate brakes and check for leak tightness	1.3

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.*