



Mercedes-Benz

Campaign No. 2020120004, December 2020

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model 447 (Metris) RHD, Model Year 2020**  
**Inspect Brake Hose Fitting**

Mercedes-Benz AG (MBAG) has determined that for certain Mercedes-Benz Metris right-hand drive vehicles of platform 447 (VS20) for post-delivery operation in the U.S. market the screwed fittings between the rigid steel brake lines routed through the underbody of the vehicle and the brake hoses in the area of the front and rear axles may not have been correctly installed. The connection between the brake line and the brake hose may leak and resulting in a sudden loss of brake fluids, impacting braking performance and increasing the risk of a crash. An authorized Mercedes-Benz Metris dealer will check the torque of the potentially affected fittings at the connection points of the brake lines to the brake hoses on the potentially affected vehicles as well as correct it as necessary and refill the brake fluid after testing as necessary.

- Please check VMI to determine if the vehicle is involved in the Campaign and if it has been previously repaired.
- Please review the entire Recall Campaign bulletin and follow the repair procedure exactly as described.

Please note that Recall Campaigns **do not expire** and may also be performed on a vehicle with a vehicle status indicator.

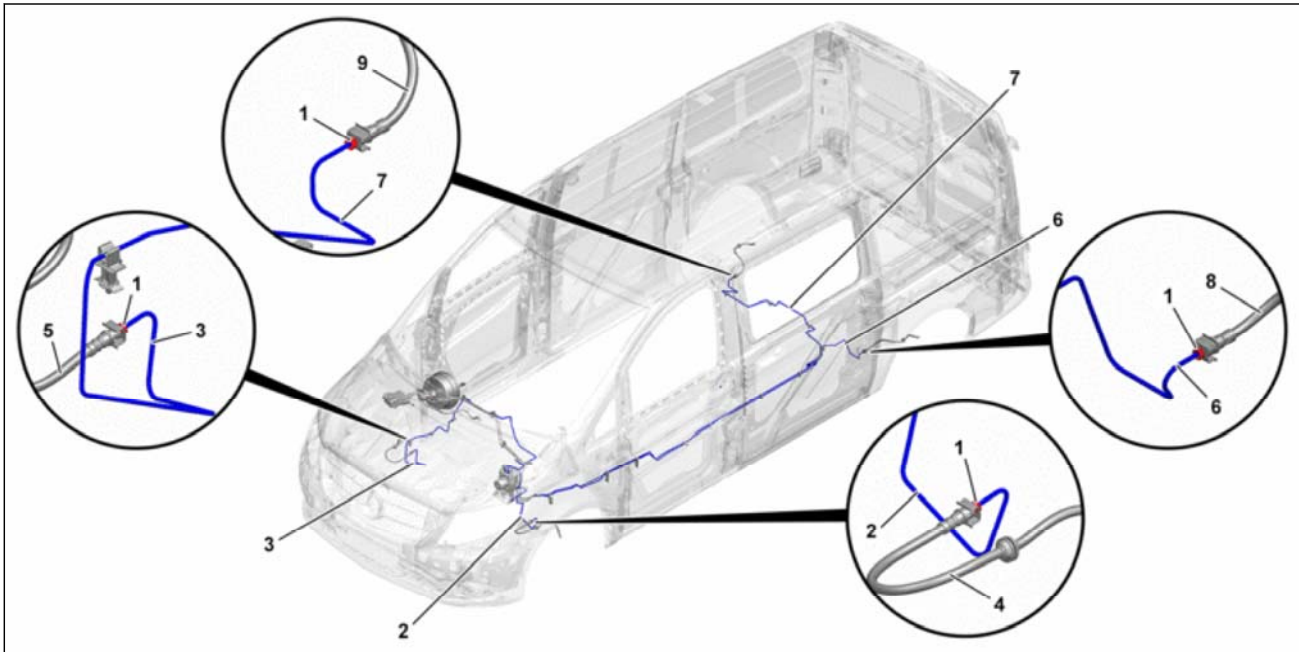
Approximately **562** vehicles are involved.

Order No. V-RC-2020120004 This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

**Model** 447.603 23 as of 649332 up to 766941 with engine 274  
with code G42 (7G-TRONIC PLUS)  
with code IK8 (Right-hand drive)  
with code IN2 (Wheelbase 3200 mm, overhang 1010 mm)  
with code JA6 (Active Brake Assist System)  
with code JK3 (Instrument cluster with pixel matrix display)  
with code MM1 (Engine M274 DEH 20 LA 155 kW (211 hp) 5500 rpm)  
with code RY2 (Tyre pressure monitoring at FA and RA, wireless)  
with code ZU8 (National version for USA)








**Operation no. of the operation texts or standard texts and flat rates**









Category	Op. no.	Operation text	Time	Acc. no.	Code
P	02 1822	Operations: Check torque of banjo bolt for brake line to brake hose of front and rear axle	0.7hrs	42 960 92	VS2BREMP OS
P	02 1823	Operations: Clean area around banjo bolt for brake line to brake hose and bleed brake system (after check)	0.5hrs	42 960 92	VS2BREMP OS



S42.10-A018-79

- |   |            |   |            |   |            |
|---|------------|---|------------|---|------------|
| 1 | Banjo bolt | 4 | Brake hose | 7 | Brake line |
| 2 | Brake line | 5 | Brake hose | 8 | Brake hose |
| 3 | Brake line | 6 | Brake line | 9 | Brake hose |

 Caution	<b>Risk of poisoning</b> from swallowing brake fluid. <b>Risk of injury</b> from skin and eye contact with brake fluid	Only pour brake fluid into suitable and appropriately marked containers. Wear protective clothing and eye protection when handling brake fluid.	AS42.50-Z-0001-01A
 Danger	<b>Risk of accident</b> when commissioning the vehicle due to a lack of braking effect when the service brake is operated for the first time after repair work.	Before starting the engine, actuate brake pedal several times until pressure is built up and maintained in the brake system.	AS42.50-Z-0002-01A
 Danger	<b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
Topical note	Brake fluid notes		AH42.50-P-0001-01A
Topical note	Notes on installing brake hoses		AH42.10-P-9406-01A
Topical note	Notes on repairs to brake system		AH42.00-P-0003-01A
	Notes on inspecting corrosion on brake lines		AH42.50-Z-0002-01A
	General information on malfunctions in the brake system		AH42.30-N-2007-01A
	<b>Check</b>		
1	Check whether vehicle is affected by measure.	Affected vehicles: Check torque of brake line banjo bolt to brake hose (front axle and rear axle) (code: VS2BREMPOS)  For authorized Mercedes-Benz service partners, only the entry in the "Extended VEGA Application" (EVA) system, in the "Current" tab is decisive. An additional test of the affected vehicles in the workshop information system (WIS) or vehicle list is thereby not necessary.	SM42.10-S-0045-01AAA
2  AR	Raise vehicle.		AR00.60-S-1000E
3	Check torque for banjo bolt (1) of brake line (2, 3) on brake hose (4, 5) of front axle (left and right).	 Retaining screw, brake line to brake hose  If torque for banjo bolt (1) of brake line (2, 3) on brake hose (4, 5) of front axle (left and right) is wrong, ↓ correct torque for banjo bolt (1) of brake line (2, 3) on brake hose (4, 5) of front axle (left and right) as per specifications.	BA42.10-N-1002-04D

4  	Check area around banjo bolt (1) of brake line (2, 3) on brake hose (4, 5) of front axle (left and right) for traces of brake fluid.	If traces of brake fluid are found in the area of the banjo bolt (1) of the brake line (2, 3) on the brake hose (4, 5) of the front axle (left or right), ↓ thoroughly clean soiled repair areas and bleed the brake system after completion of repair work. Bleed brake system  Clean corresponding brake line (2, 3), brake line connections and immediate surrounding area on vehicle. Assembly cleaner	AR42.10-S-0010E       BR00.45-Z-1028-04A
5  	Detach wheel and tire assemblies (left and right) from rear axle.		AR40.10-S-1100E
6	Check torque for banjo bolt (1) of brake line (6, 7) on brake hose (8, 9) of rear axle (left and right).	 Retaining screw, brake line to brake hose  If torque for banjo bolt (1) of brake line (6, 7) on brake hose (8, 9) of rear axle (left and right) is wrong, ↓ correct torque for banjo bolt (1) of brake lines (6, 7) on brake hose (8, 9) of rear axle (left and right) as per specifications.	BA42.10-N-1002-04D
7  	Check area around banjo bolt (1) of brake line (6, 7) on brake hose (8, 9) of rear axle at left and right for traces of brake fluid.	If traces of brake fluid are found in the area of the banjo bolt (1) of the brake line (6, 7) on the brake hose (8, 9) of the rear axle (left or right), ↓ thoroughly clean soiled repair areas and bleed the brake system after completion of repair work. Bleed brake system  Clean corresponding brake line (6, 7), brake line connections and immediate surrounding area on vehicle. Assembly cleaner	AR42.10-S-0010E       BR00.45-Z-1028-04A
8  	Mount rear axle wheel and tire assemblies (left and right).		AR40.10-S-1100E
9  	Lower vehicle.		AR00.60-S-1000E

**Nm Brake lines, brake hoses**

<b>Number</b>	<b>Designation</b>	<b>Model 447, 448</b>
BA42.10-N-1002-04D	Retaining screw, brake line to brake hose Nm	14

**Repair materials**

<b>Number</b>	<b>Designation</b>	<b>Order number</b>
BR00.45-Z-1028-04A	Assembly cleaner	A 000 986 56 01

**Parts ordering note**

<b>Part no.</b>	<b>Designation</b>	<b>Quantity</b>
A 000 989 56 05	Brake fluid for refilling (enter the appropriate supplementary code for the fluid amount when ordering). Only for traces of brake fluid in the area of the banjo bolt (1) of the brake lines (2, 3, 6, 7) on each of the brake hoses (4, 5, 8, 9) of the front or rear axle (left or right).	n. B.