

Recall Campaign Bulletin



Mercedes-Benz

Campaign No. 2023030005, April 2023

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model G-Class (463 platform)**
Model Year 2019-2022

Inspect Front Axle Wiring Harness

Mercedes-Benz AG (“MBAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 2019-2022 G-Class (463 platform) vehicles, the front axle wiring harness might contact an auxiliary oil cooler and chafe. This could potentially damage the wiring harness over time. As a result, impairment of ABS and ESP functionality cannot be ruled out, which could potentially increase the risk of a crash. If the failure occurs, the driver would be made aware through an indicator lamp or warning message in the instrument cluster. An authorized Mercedes-Benz dealership will inspect the front axle wiring harness on the affected vehicles and replace it, if necessary. After inspection if the wiring harness is not replaced a protective sleeve will be installed.

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 26,116 vehicles are affected.

Order No. P-RC-2023030005

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.

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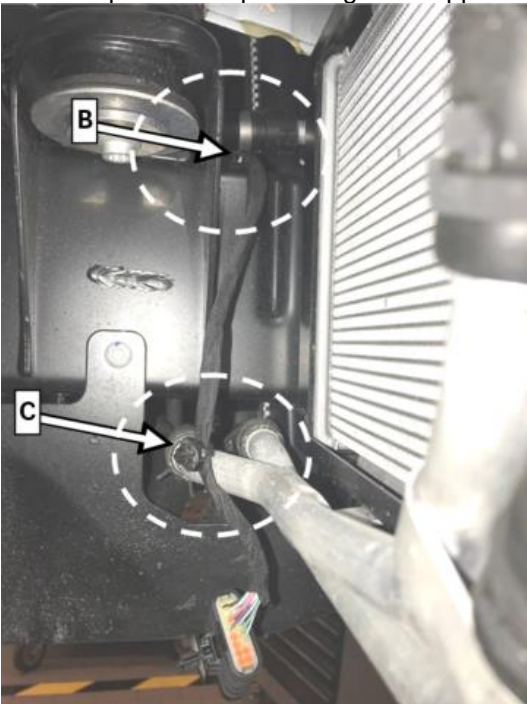
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Check electrical wiring harness for front axle in front right fender, rework and replace if necessary**Check/test procedure**

1. Remove fender liner in front right fender (AR88.10-P-1300XG).
i Contrary to the work instructions in WIS, it is not necessary to remove the wheel and tire assembly!
2. Unclip plug housing (A, Figure 1) and disconnect.

**Figure 1**

3. Unclip line from panel edge and upper trailing arm (B and C, Figure 2).

**Figure 2**

4. Remove front engine compartment lining (Figure 3).



Figure 3

5. Unclip wiring harness from wheel arch at right trailing arm and place inwards in engine compartment (Figure 4).

i Hang wiring harness downwards vertically.

i For V8 engines, the retaining clamp (D, Figure 5) of the circulation pump must **also** be removed, press circulation pump slightly to one side to access the wiring harness.

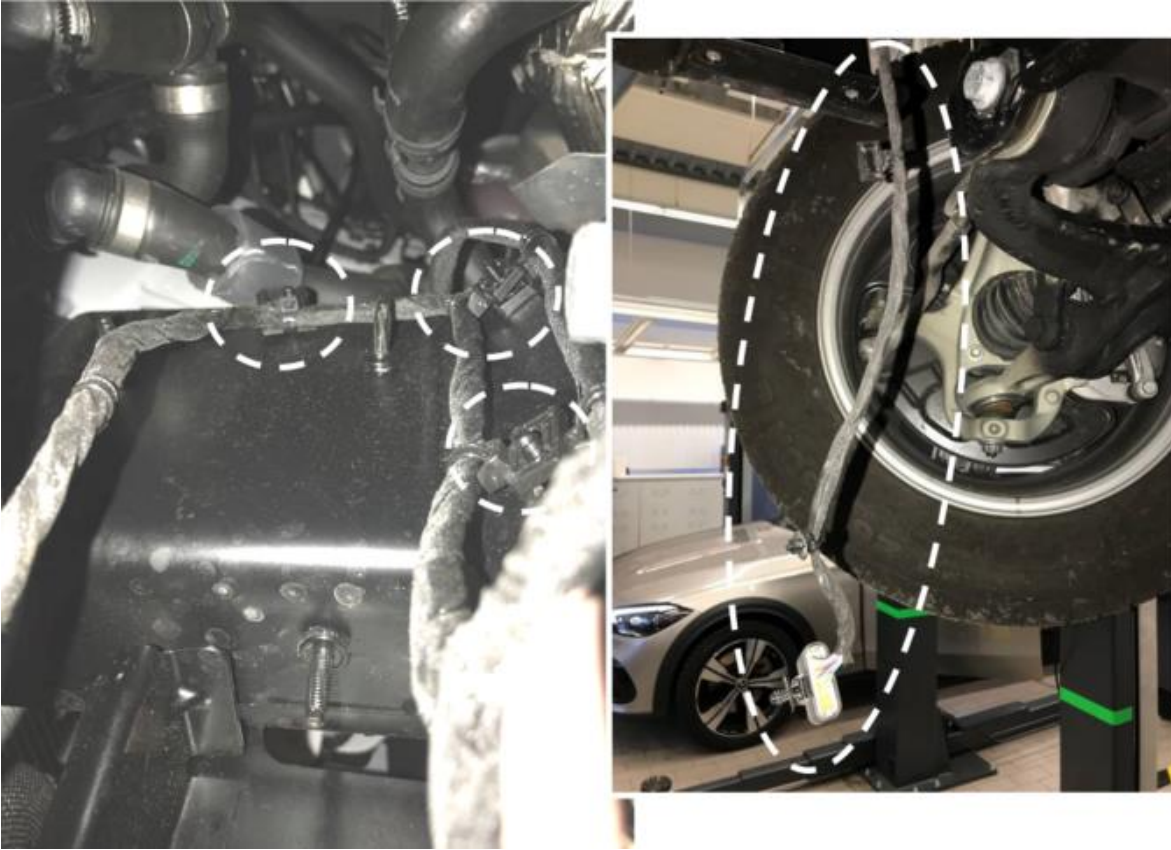


Figure 4

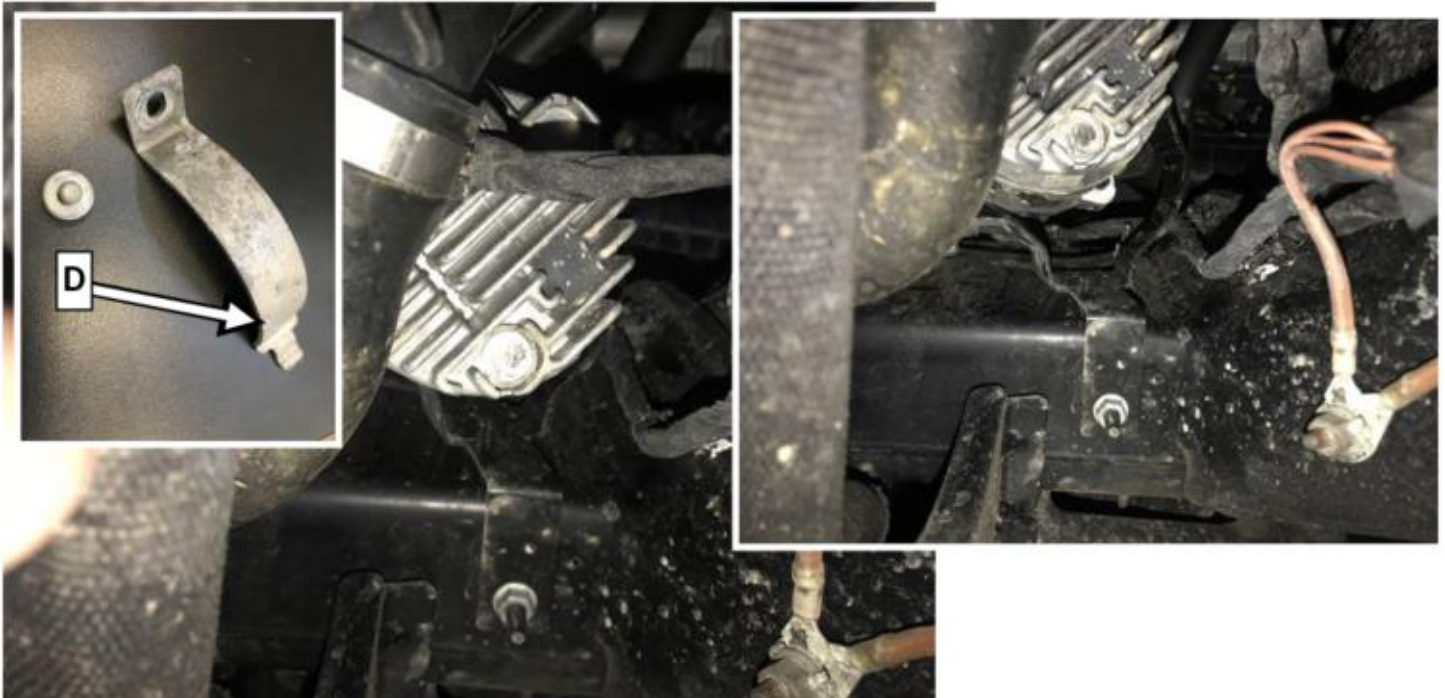


Figure 5

6. Remove the fabric insulating tape between the cable ties (E and F, Figure 6) and check all exposed individual cables for damage.

i Leave approx. 20 mm fabric tape in front of the cable ties in each case!

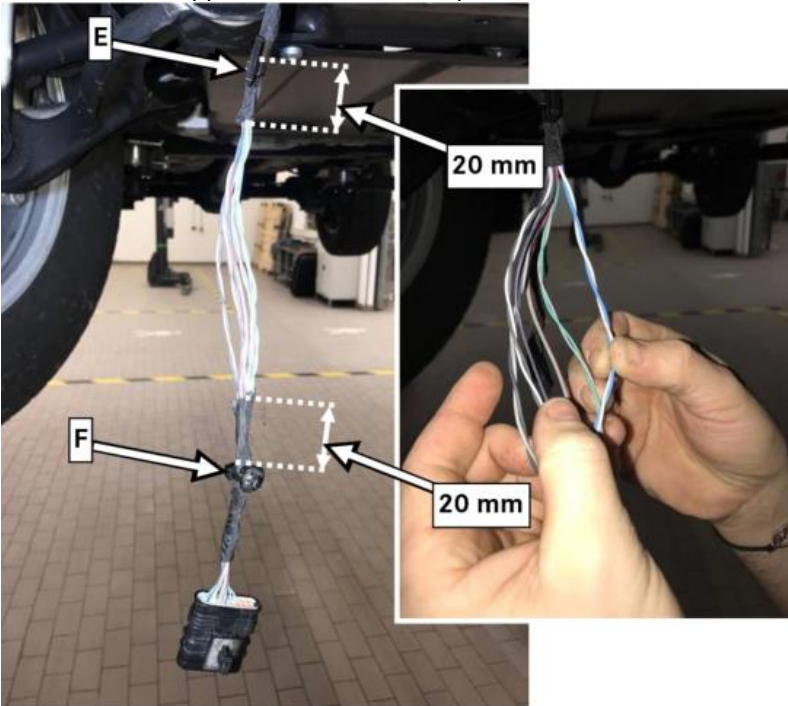


Figure 6

- a. If none of the individual cables in the exposed area are damaged: Carry out Work Procedure A.
- b. If one or more individual cables in the exposed area are damaged: Carry out Work Procedure B.

Work Procedure A

1. Freshly wrap exposed individual cables with fabric insulating tape and attach anti-chafe hose to wiring harness between the cable ties.

i Anti-chafe hose is supplied with a slit.

i Install anti-chafe hose such that the distance to the cable ties (E and F Figure 7) is identical.

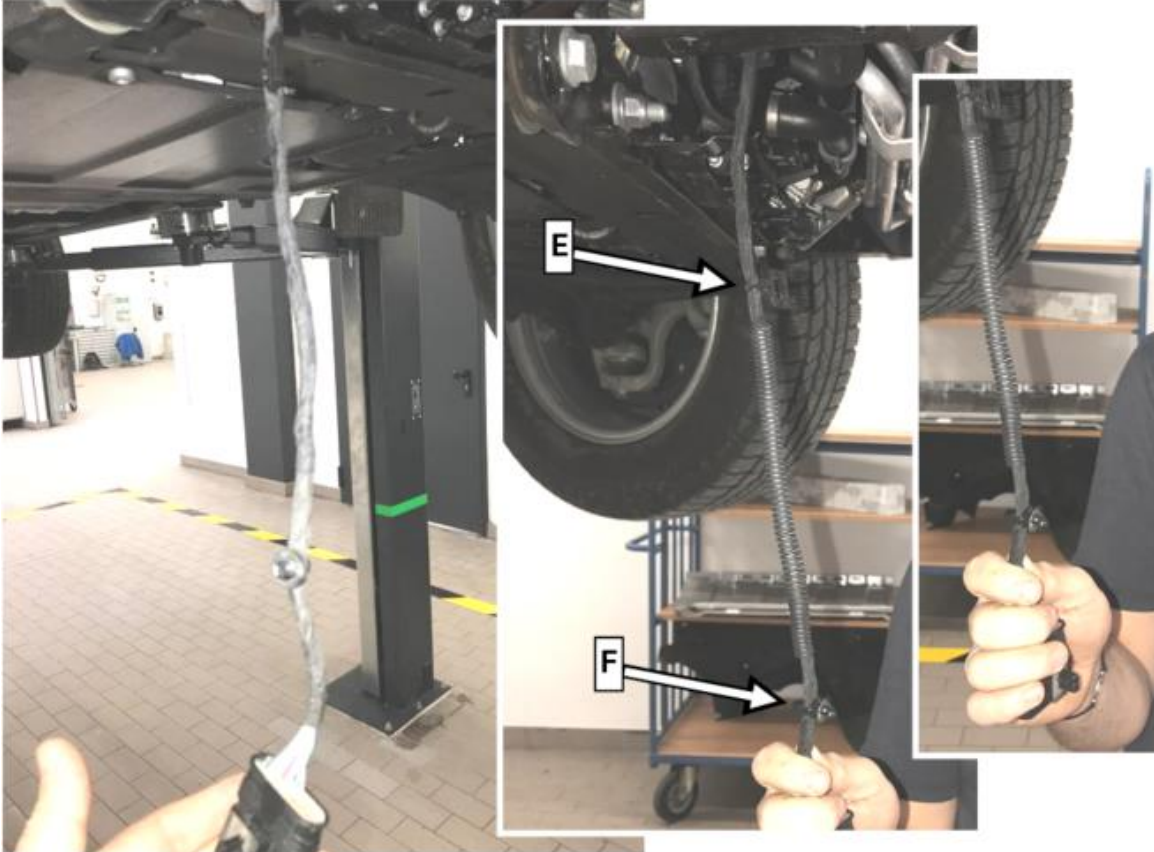


Figure 6

2. Wrap the anti-chafe hose at the ends with fabric insulating tape to the wiring harness (Figure 8)



Figure 7

3. Route wiring harness via right trailing arm into wheel arch, clip back into the retaining clips and connect (Figure 9).



Figure 9

4. Assemble in reverse order.
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Work Procedure B

1. Replace front axle electrical wiring harness.
 - i** New front axle wiring harness is supplied with all mounting clips or cable ties in the correct assembly position.
 - i** Rear underfloor paneling and fender liner in front left fender must be removed to replace front axle wiring harness.
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Primary Parts Information

Qty.	Part Name	Part Number
As required (1)	Protective tube	A 102 159 01 13
As required (1)*	Fabric tape 25 m roll	A 006 989 84 85 10
As required (1)**	Front axle wiring harness	**

* One roll of fabric tape is sufficient for 10 vehicles.

The required front axle wiring harness can be found in the Xentry parts job under the **main group 54 Electric equipment and instruments in **picture chart 545, main wiring harness for frame floor system, picture number 10**. The front axle wiring harness must be selected according to the vehicle identification number.

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.)
54 918 09	12-1636	Check electrical wiring harness for front axle in front right fender Includes: Rework wiring harness with anti-chafe hose	0.7
	12-1636	Check electrical wiring harness for front axle in front right fender For V8 gasoline engines Includes: Rework wiring harness with anti-chafe hose and release circulation pump	0.8
	12-1637	Replace electrical wiring harness for front axle (after check)	ZM

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.*