Mercedes-Benz

Campaign No. 2021010006, March 2021

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model GLC-Class (253 platform)**
Model Year 2018
Check Starter Harness

Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2018-2020 GLC-Class vehicles (253 platform), the power supply cable on the starter might not have been installed according to production specification and in certain conditions could contact the starter housing. In the event of an incorrect screw connection, the power supply cable to the starter might contact the starter housing. Over time this could lead to chafing of the wire insulation on the power supply cable due to relative movements, which could result in a short circuit. Depending on the nature of the short circuit, different vehicle functions may be affected, and stalling of the vehicle, which could increase the risk of a crash, or a risk of fire cannot be ruled out. An authorized Mercedes-Benz dealer will check the affected vehicles and install the starter harness according to specification, if necessary.

Prior to performing this Recall 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 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 2,563 vehicles are involved.

Order No. P-RC-2021010006
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.

Check/test procedure A

1. Remove lower engine compartment lining **(AR61.20-P-1105LW)**.

2. Check circuit 30 starter wiring harness **(A, Figure 1)** at starter.
   The circuit 30 starter wiring harness must ***not*** be in contact with the solenoid switch (B) of the starter as in Figure 1.

Figure 1

   a. Circuit 30 starter wiring harness is in contact with starter: Carry out **check/test procedure B**.
   b. Circuit 30 starter wiring harness is ***not*** in contact with starter: **End measure**.

The **findings** from the check/test procedure must be recorded **on the work order**.

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Check/test procedure B

1. Disconnect ground line of battery **(AR54.10-P-0003LW)**.

2. Unscrew circuit 30 starter wiring harness at starter and check for damage in area of insulation.
   The insulation must ***not*** be damaged (any sign of chafing is considered damage). To improve accessibility, remove the quick-release fastener of the steering shaft if necessary.

   a. Insulation of circuit 30 starter wiring harness damaged: Carry out **work procedure**.
   b. Insulation of circuit 30 starter wiring harness ***not*** damaged: **End measure**.

If the insulation is ***not*** damaged, the circuit 30 starter wiring harness ***must*** be reinstalled correctly and in such a way that it does not make contact with any surface that may result in chafing, taking the anti-twist lock at the solenoid switch into account.

The **findings** from the check/test procedure must be recorded **on the work order.**

Work procedure

1. Remove heat shield **(C, Figure 2)** above busbar.

Figure 2

2. Remove cover **(D, Figure 3)** of bus bar and release starter wiring harness at circuits 30 and 50 **(1, Figure 3)**.

i **Installation:** Circuit 30 Nm 17
Circuit 50 Nm 6

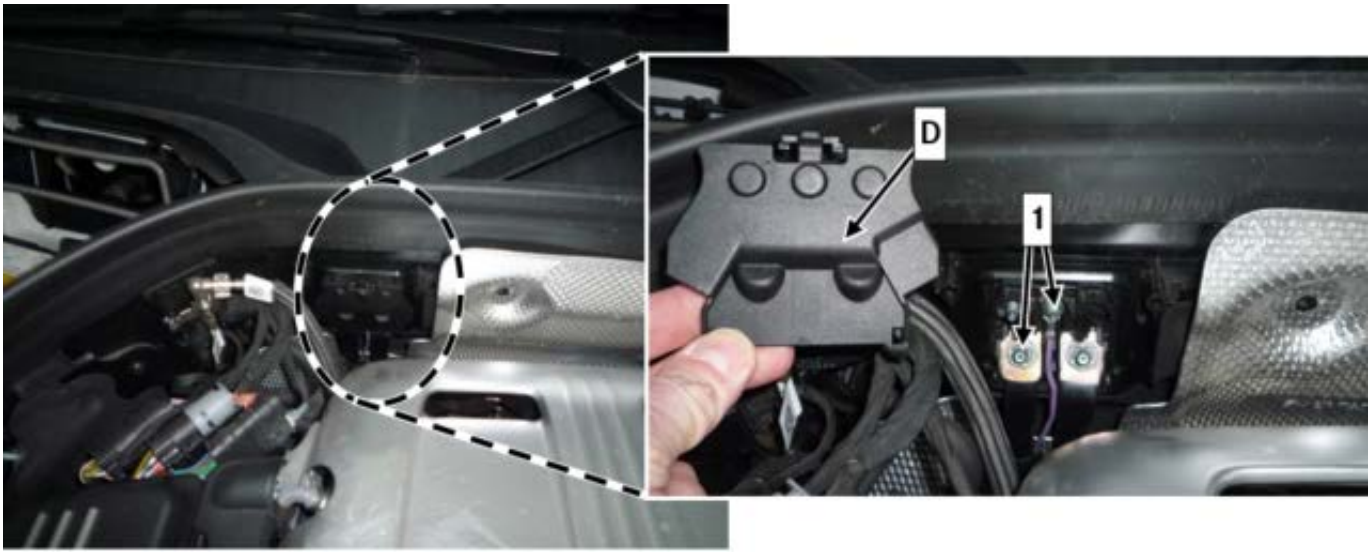

Figure 3

3. Remove heat shield **(E, Figure 4)**.

i For basic data, see **AR09.40-P-6026MNG**. Do not drain coolant.

Figure 4

4. Remove heat shields **(F, Figure 5 and G, Figure 6)**.

Figure 5

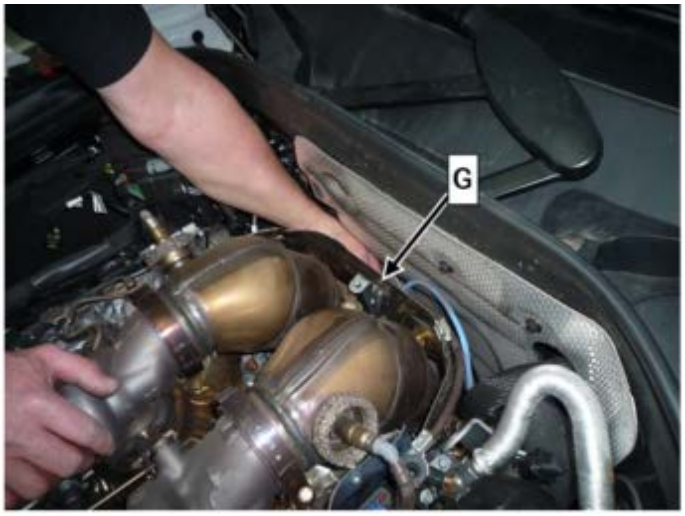

Figure 6

5. Release clamp **(H, Figure 7)** at starter wiring harness from holder.

i Release clamp from below and slide in direction of arrow.

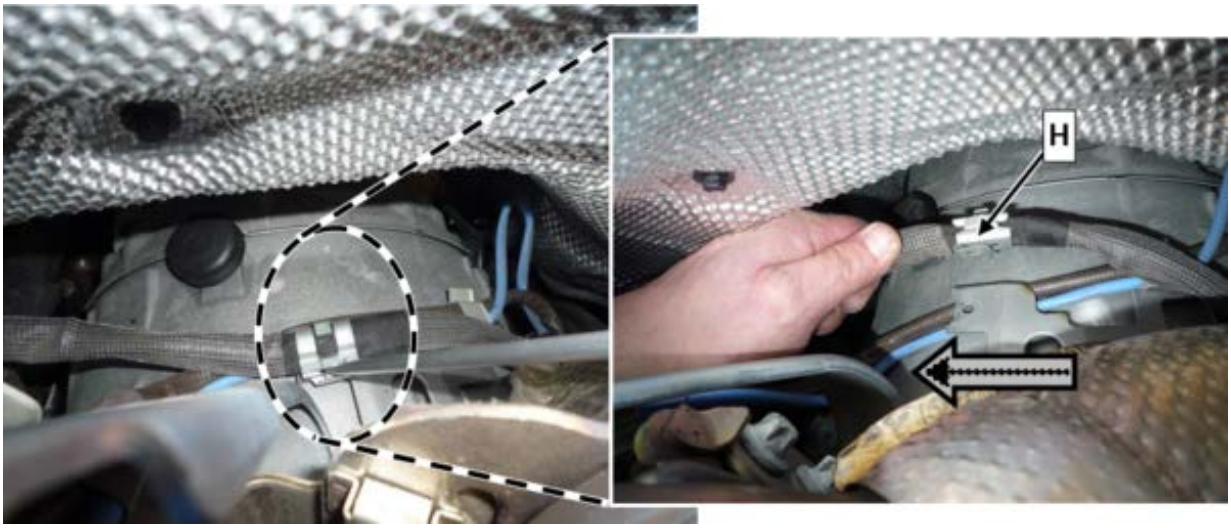

Figure 7

6. Release circuit 50 **(I, Figure 8)** at starter.

Figure 8

6. Release lower clamp of starter wiring harness from holder.
i Same procedure as described in operation step 5.

7. Remove starter wiring harness and replace.

8. Assemble in reverse order.

Primary Parts Information

Qty.	Part Name	Part Number
As required	El. wiring harness from connecting point to starter	A 253 540 19 28

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.

Warranty Information

Check/test procedure A

Operation: Check fastening of starter wiring harness to starter (02-1887)

Includes: Remove/install lower engine compartment lining

Damage Code	Operation Number	Labor Time (hrs.)
54 913 01 7	02-1887	0.5

Check/test procedure A and B

Operation: Check fastening of starter wiring harness to starter (02-1887)

Includes: Remove/install lower engine compartment lining

Check starter wiring harness (for damage)(02-1888)

Includes: Disconnect ground line of battery and unfasten/fasten circuit 30 starter wiring harness from/to solenoid switch

Damage Code	Operation Number	Labor Time (hrs.)
54 913 01 7	02-1887	0.5
	02-1888	0.6

Check/test procedure A and B with Replace starter wiring harness

Operation: Check fastening of starter wiring harness to starter (02-1887)

Includes: Remove/install lower engine compartment lining

Check starter wiring harness (for damage)(02-1888)

Includes: Disconnect ground line of battery and unfasten/fasten circuit 30 starter wiring harness from/to solenoid switch

Replace starter wiring harness (after check)(02-1889)

Damage Code	Operation Number	Labor Time (hrs.)
54 913 01 7	02-1887	0.5
	02-1888	0.6
	02-1889	1.8

Note

Operation Number labor times are subject to change.