

Recall Campaign Bulletin



Mercedes-Benz

Campaign No. 2023070018, August 2023

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model C-Class (206 platform)**
Model Year 2022-2023

Inspect 12V and 48V Ground Connections

Mercedes-Benz AG (“MBAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 2022-2023 C-Class (206 platform) vehicles, the 12V and 48V ground connections might not meet current torque specifications. In this case, the wiring harness connector might not be tightened sufficiently which might increase the electric resistance of the connection. As a result, the temperature in this area could increase and a risk of fire cannot be ruled out completely. An authorized Mercedes-Benz dealer will inspect the fastening of the 12V and 48V ground connections and perform repairs, if necessary.

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 1,552 vehicles are affected.

Order No. P-RC-2023070018

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Recall Campaign Bulletin

Recall Campaign Bulletin

Recall Campaign Bulletin

Recall Campaign Bulletin

Inspect 12V and 48V Ground Connections

Check/Test Procedure 1

1. Remove rear engine compartment lining.
 - i** For basic information, see AR61.20-P-1105WT.
2. Check whether tightening torque of screw connections on ground points (1, 2, W11/3, Figure 1) is correct.
 - Ground point on left of combustion engine (W11/3, Figure 1) 20 Nm
 - Ground point of terminal 31, with code B01 (2, Figure 1) 20 Nm
 - Ground point of terminal 41, with engine 654 and with code B01 (1, Figure 1) 16 Nm

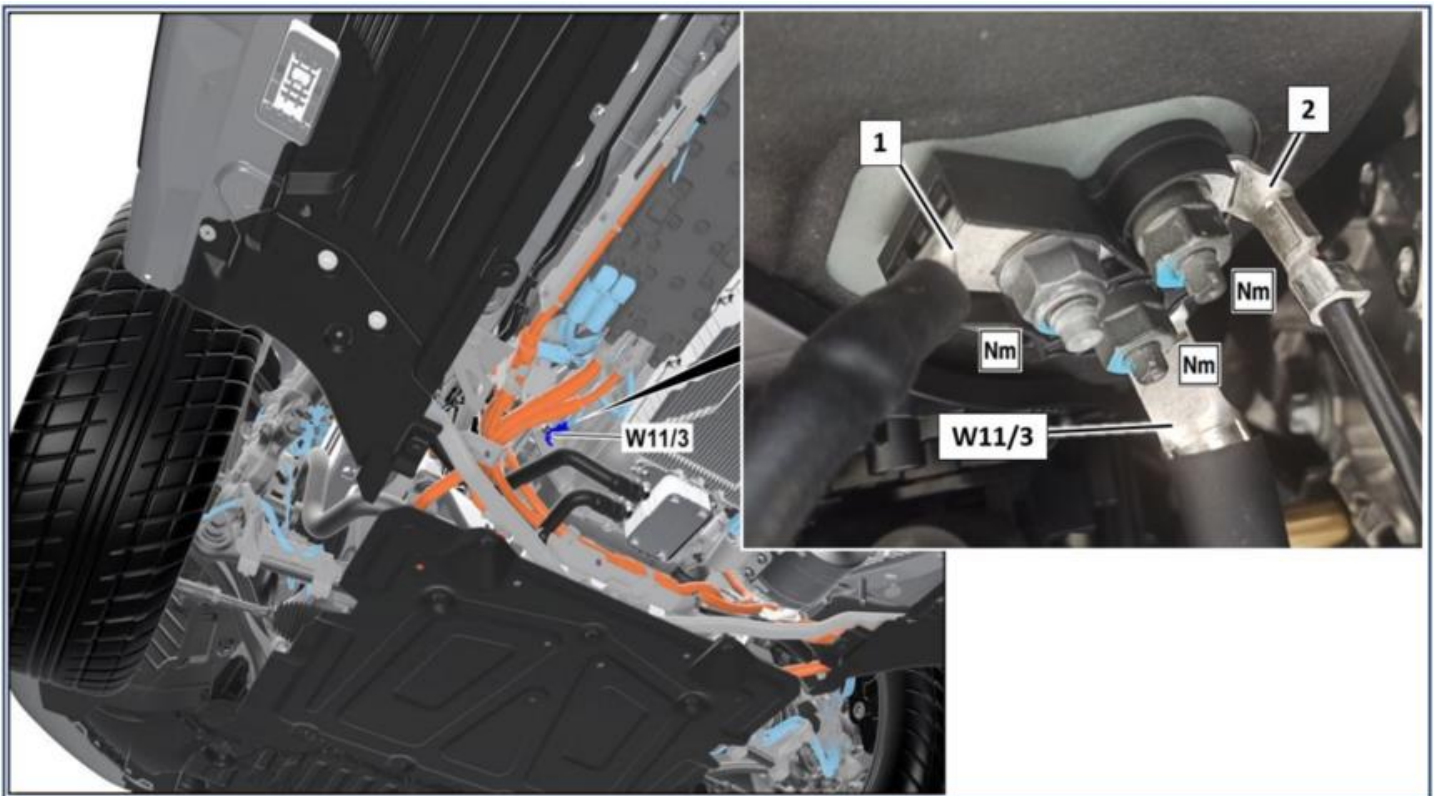


Figure 1

- a. Torque is **correct**. End measure.
- b. Torque is **not** correct: Carry out **check/Test Procedure 2**.

Check/Test Procedure 2

1. Remove respective affected nut at ground point (**1, 2, or W11/3, Figure 1**) and perform a visual check of the affected electric line, contact area, and weld stud.

i See examples of the types of damage (**Figure 2**).

- a. Contact area, weld stud, and electric line **not** damaged: Carry out **Work Procedure 1**.
- b. Contact area, weld stud, and/or electric line **damaged**: Carry out **Work Procedure 2**.

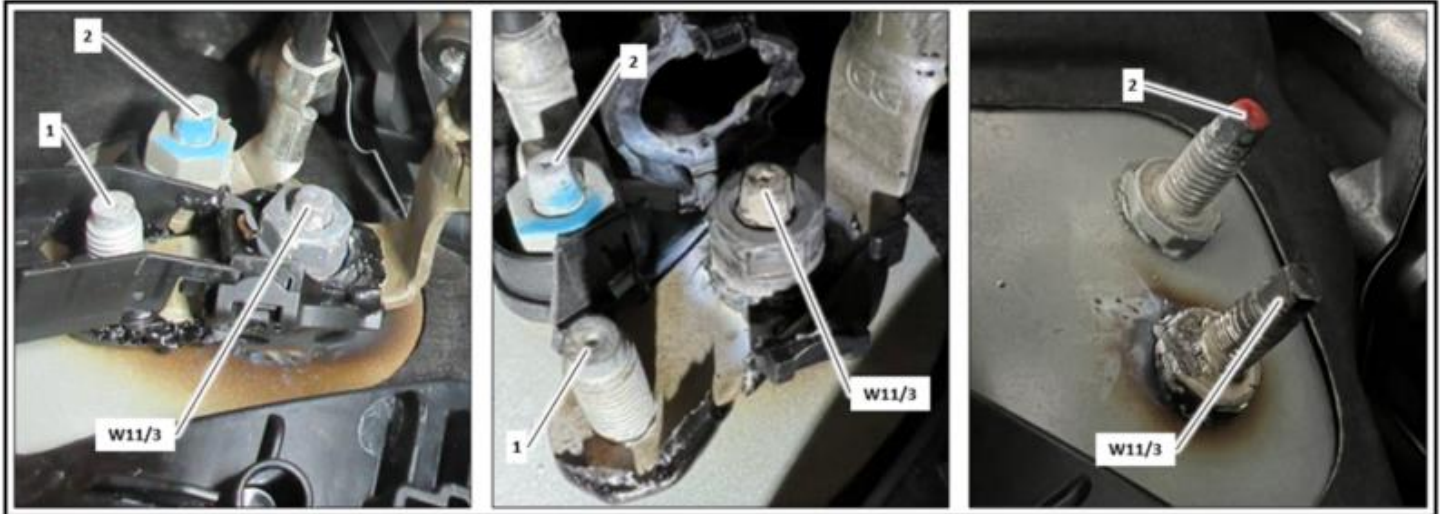


Figure 2, examples of the types of damage to ground points (1, 2, W11/3)

Work Procedure 1

1. Replace respective nut at ground point (**1, 2, or W11/3, Figure 1**) and tighten to the specified tightening torque.
 - Ground point on left of combustion engine (**W11/3, Figure 1**) **20 Nm**
 - Ground point of terminal 31, with code B01 (**2, Figure 1**) **20 Nm**
 - Ground point of terminal 41, with engine 654 and with code B01 (**1, Figure 1**) **16 Nm**
2. Assemble in reverse order.

Work Procedure 2

1. Replace damaged weld stud if necessary.

i For basic information, see AR60.00-P-0100A (part number of weld stud can be found here).

2. If necessary, replace damaged electric line and nut and tighten to the specified tightening torque.
 - Ground point on left of combustion engine (**W11/3, Figure 1**) **20 Nm**
 - Ground point of terminal 31, with code B01 (**2, Figure 1**) **20 Nm**
 - Ground point of terminal 41, with engine 654 and with code B01 (**1, Figure 1**) **16 Nm**
3. Assemble in reverse order.

Primary Parts Information

Qty.	Part Name	Part Number
As required (1)	Electric line for ground point on left of combustion engine (W11/3)	*
As required (1)	Electric line for ground point of terminal 31, with code B01	*
As required (1)	Electric line for ground point of terminal 41, with engine 654 and with code B01	*
As required (3)	Nut, M8	N 000000 008271

* The required electric lines can be found according to the vehicle identification number (VIN) in the XENTRY parts process under the main group **54 ELECTRICAL EQUIPMENT AND INSTRUMENTS** in **picture chart 030, picture numbers 550, 720, or 850.**

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.)
54 911 10	12-1769	Operations: Check torque at ground points	0.4
	12-1770	Operations: Perform visual check of contact areas and lines and replace nuts (after check)	0.2
	12-1809	Operations: Replace electric line and weld stud at affected ground point (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.