

Recall Campaign Bulletin



Mercedes-Benz

Campaign No. 2023070016, August 2023

Revision A 11/06/2023

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-2023070016

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Inspect 12V and 48V Ground Connections

Test Procedure 1

1. Open hood.
2. Remove cover (1, **Figure 1**).

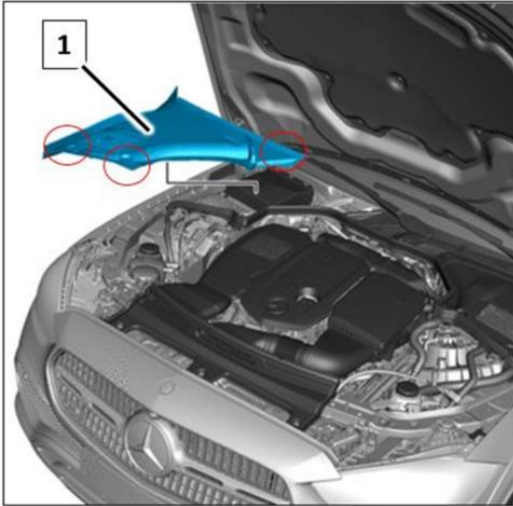


Figure 1, left-hand drive vehicle

3. Check threaded connections of ground points (**W106/3**, **W10**, **Figure 2**) for correct tightening torque.
 - 48 V battery ground point (W106/3) (see BA00.19-P-1039-01O) **16 Nm**
 - On-board electrical system battery ground point (W10) (see BA00.19-P-1012-01O) **16 Nm**

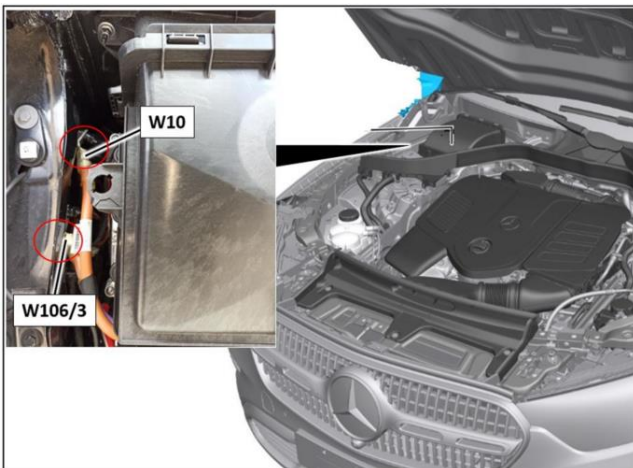


Figure 2, left-hand drive vehicle

- a. If torque is **not correct**: Carry out **Test Procedure 2**.
- b. If torque is **correct**: **End measure**.

Test Procedure 2

1. Remove dust filter with air duct segment (2, Figure 3).

i For basic information, see AP83.00-P-8381N (except code 801/802) or AP83.00-P-8381J (with code 801/802).

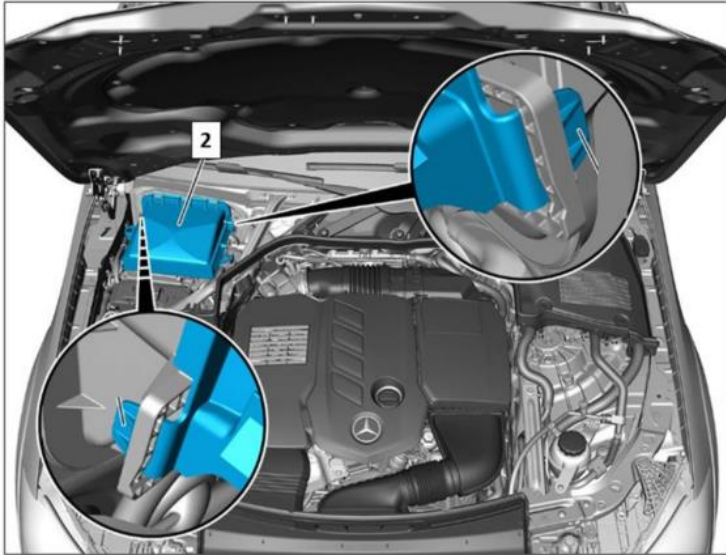


Figure 3, left-hand drive vehicle

2. Remove nut at affected ground point (W106/3, W10, Figure 4).



Figure 4, left-hand drive vehicle

3. Remove respective affected cable lug from weld stud.
4. Check respective affected electric line, contact areas, and weld stud for damage.

i For an examples of the damage profiles, (Figures 5 and 6).

- a. **No** damage to the electric line, contact areas, and weld stud: Carry out **Work Procedure 1**.
- b. One or both electric line(s), contact areas, and weld stud **damaged**: Carry out **Work Procedure 2**.

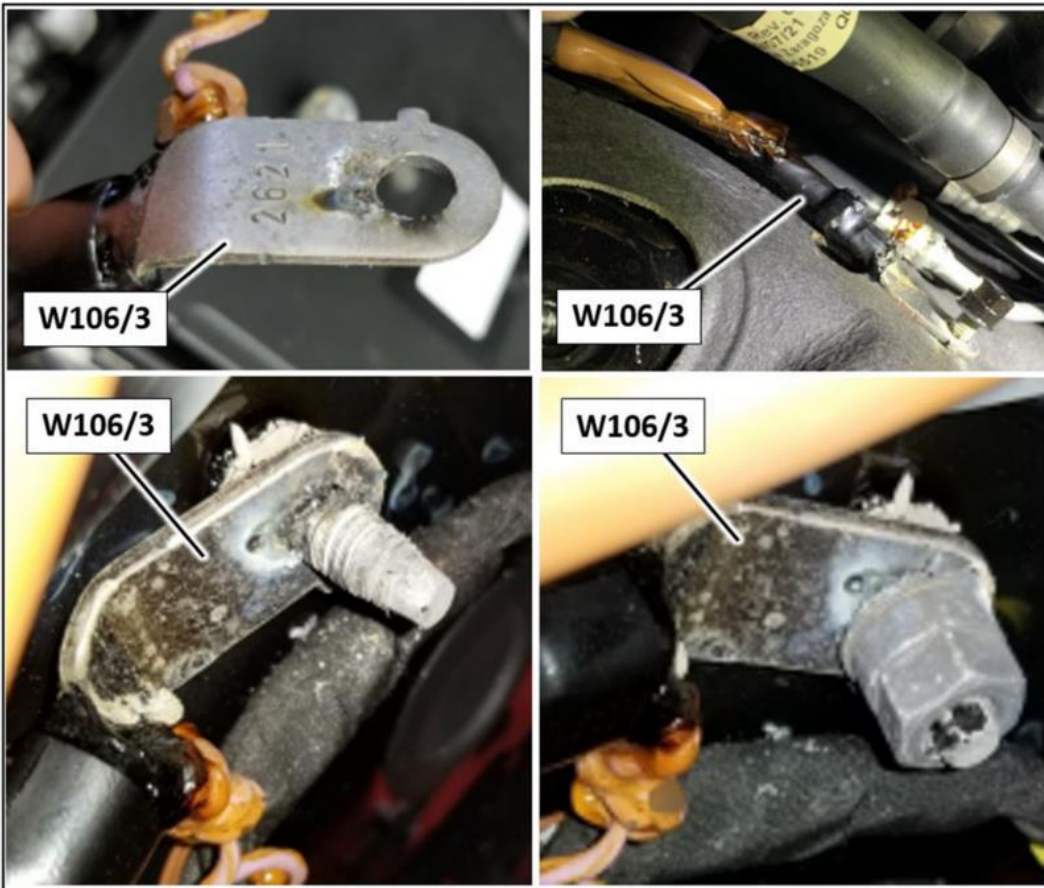


Figure 5, Example illustration of damage profiles for a 48 V battery ground point (W106/3)



Figure 6, Example illustration of damage profiles for an on-board electrical system battery ground point (W10)

Work Procedure 1

1. Replace the respective nut and tighten it to the specified tightening torque.
 - i** Clean contact point on weld stud
 - Ground point of 48 V battery (W106/3) (see BA00.19-P-1039-01O) **16 Nm**
 - Ground point of on-board electrical system battery (W10) (see BA00.19-P-1012-01O) **16 Nm**
2. Assemble in reverse order.

Work Procedure 2

1. Remove the battery of the 48 V on-board electrical system.
 - i** For basic information, see AR54.10-P-0022WT.
2. Replace damaged weld stud if necessary.
 - i** For basic information, see AR60.00-P-0100A (part number of weld stud can be found here).
3. If necessary, replace damaged electric line and nut and tighten to the specified tightening torque.
 - Ground point of 48 V battery (W106/3) (see BA00.19-P-1039-01O) **16 Nm**
 - Ground point of on-board electrical system battery (W10) (see BA00.19-P-1012-01O) **16 Nm**
4. Assemble in reverse order.

Primary Parts Information

| Qty. | Part Name | Part Number |
|-----------------|---|-----------------|
| As required (1) | Electric line to W106/3 and W10 (left-hand drive vehicle) | * |
| As required (2) | Nut, M8 | N 000000 008271 |

* The required electric lines can be found on the basis of the vehicle identification number (FIN) in the XENTRY parts process under main group **54 ELECTRICAL EQUIPMENT AND INSTRUMENTS** in **picture chart 121, picture number 320**.

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 09 | 12-1772 | Operations: Check torque at ground points in engine compartment | 0.2 |
| | 12-1773 | Operations: Perform visual check of affected ground point and line in engine compartment (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.*

i The following step applies to California dealers only.

Apply Proof of Correction Label (A 000 584 54 13) to area identified in **Figure 1**. Fill in the blank areas of the label. The campaign number for the California Proof of Correction is unique and must be entered as such (230716), your dealer code, and the date of the repair, using a black permanent marker.

i Note: Clean bonding surface prior to affixing label.



Figure 1

i The following step applies to California dealers only.

Provide the owner with the completed and signed Proof of Correction Certificate (A 000 584 42 14) (**Figure 2**), after you scan a completed form and attach to the RO. The recall number for the California Proof of Correction is unique and must be entered as such (230716).

| Vehicle Emission Recall - Proof of Correction | | | | |
|--|------|-----------------------------------|---------------|-------------------------------|
| License Number | Make | Year Model | Body Type | Vehicle Identification Number |
| | | | | |
| Manufacturer | | | Recall Number | |
| The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws. | | | | |
| Dealer's Name | | Address, City, State and Zip | | |
| Date | | Dealership's Authorized Signature | | |
| Please use California Campaign Number as mentioned in the work instructions. | | | | |
| Return this certificate to DMV <u>only</u> when required - otherwise retain for your records. | | | | |

Figure 2

California Proof of Correction Parts Information

| Qty. | Part Name | Part Number |
|------|-------------------------|-----------------|
| 1 | Sheet (CA Dealers Only) | A 000 584 42 14 |
| 1 | Label (CA Dealers Only) | A 000 584 54 13 |

Warranty Information (California dealers please submit under a separate claim)

| Damage Code | Operation Number | Description | Labor Time (hrs.) |
|-------------|------------------|---|-------------------|
| 212CA 00 | 02-0001 | Apply Proof of Correction Label and completed Proof of Correction Certificate | 0.1 |