BRABUS illuminated carbon entrance panels for W465
Article-no.: 465-350-RGB-CARBO



Installation guide

The product described in the instructions was developed, produced and checked considering the necessary safety requirements.
In order to ensure a proper and safe function and to rule out danger for persons and objects, this product must be installed appropriately.
Only trained, qualified staff, having the necessary technical experience and tools, should perform the installation.
Therefore you have to read and completely understand these instructions.
Check the content of the parts supplied prior to assembly.

Notes on VHB bonding



Important

- Cleaning of the surface -

Before starting bonding with VHB adhesive tape, it must be ensured that the surfaces to be bonded are free of dust and grease and completely dry.
The best result can be achieved using a commercially available silicone remover with which the surfaces to be bonded are thoroughly cleaned in two stages ensuring that any grease and release agent residues are removed. The cleaning cloth should be changed after each process.

- Any finger contact with the adhesive surfaces of the VHB adhesive tape should always be avoided after the liner has been removed!

- Treat surfaces to be bonded with primer (Würth, item no.: 0890024101)

- Workpieces to be bonded should be firmly pressed on over the entire surface after they have been bonded.

- The final bonding stregnth of the VHB adhesive tape is only achieved after 72 hours (at a room temperature of approx. 20 °C).

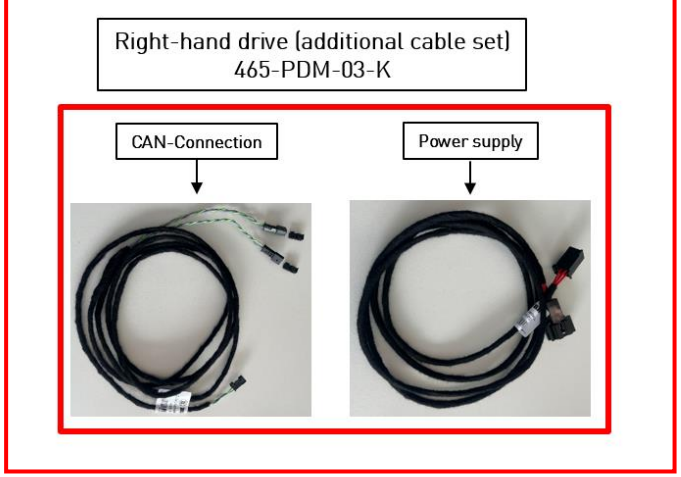
Heat has an accelerating effect on reaching the final bonding strength.

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Included in delivery BRABUS:

1x Set of illuminated carbon entrance panels	464-350-00-RGB-C-B
1x Rear illuminated carbon entrance panel	464-351-00-RGB-C-B
1x Base wiring harness Entrance Panels PDM	465-PDM-02-K
1x Bracket for control unit PDM	464-354-01-EK
1x Door cable set for entrance panels left, right	465-350-11
2x Adapter resistors front	222-350-10
2x Adapter resistors rear	464-350-10
1x Rear Door Wiring Harness	464-350-12
1x Socket head screw	1151425
2x Fender panels 4.3x20x1,25	WU411412
2x Hex nut M4	20414
1x 3M Tape	

For right-hand-drive vehicles, use extension cable set 465-PDM-03-K.

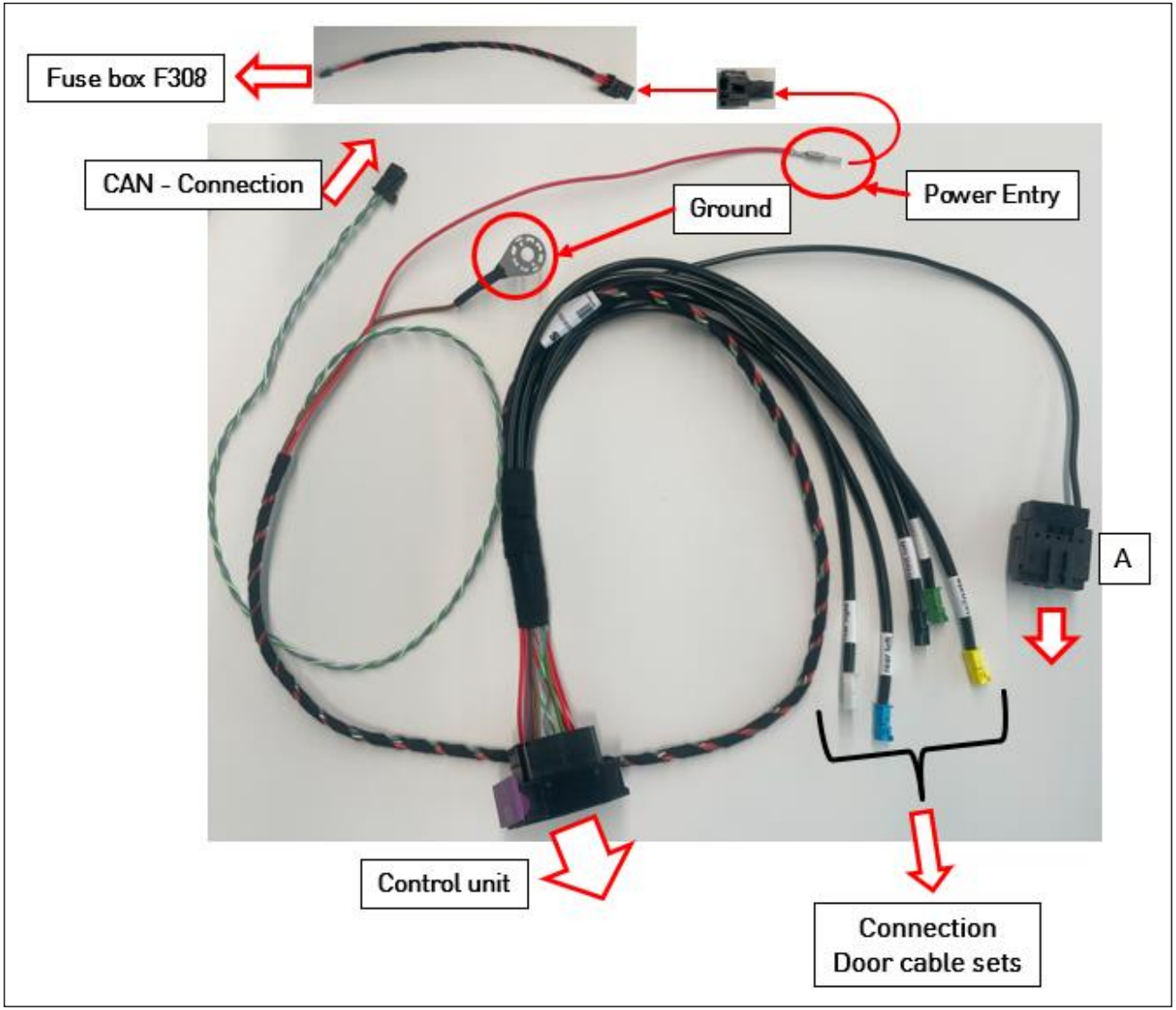




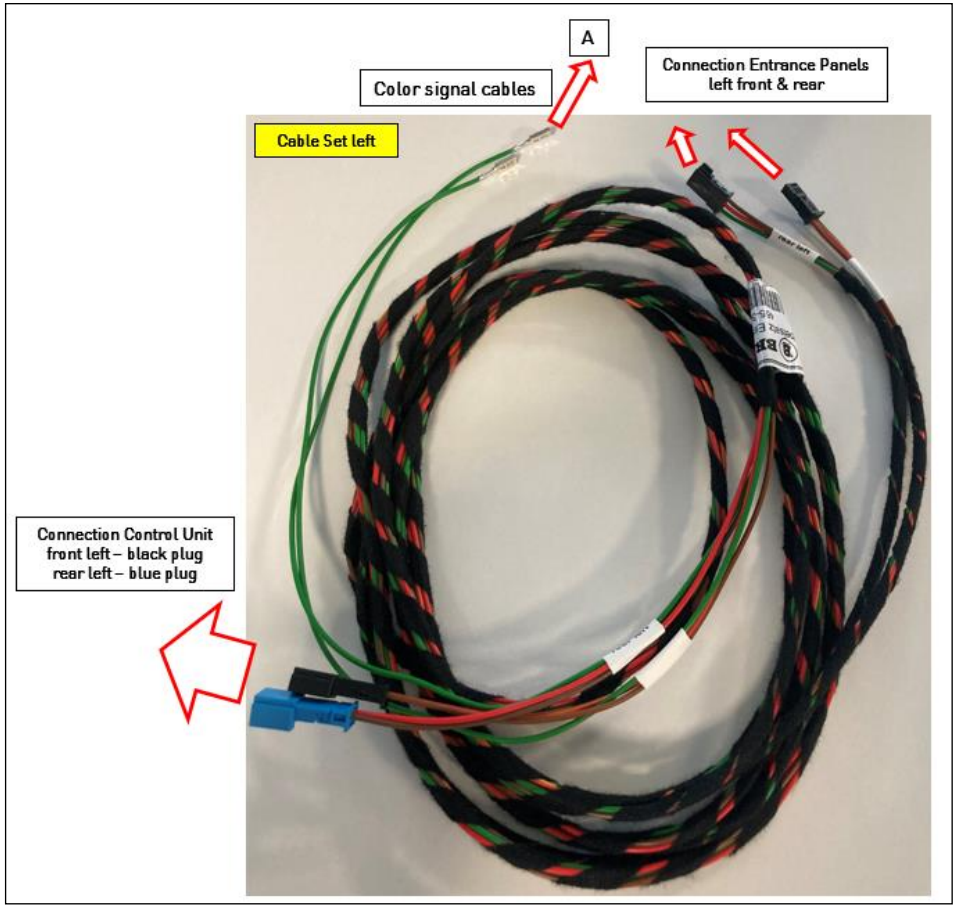


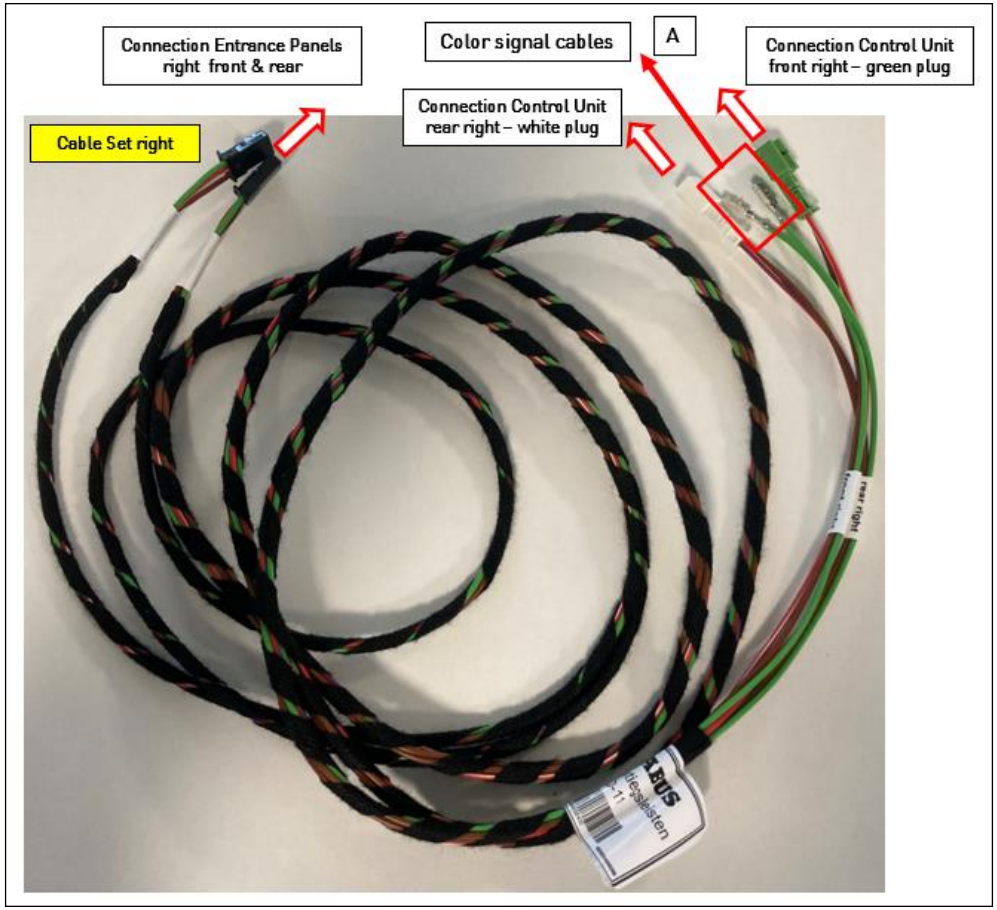
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Electrical Connection:



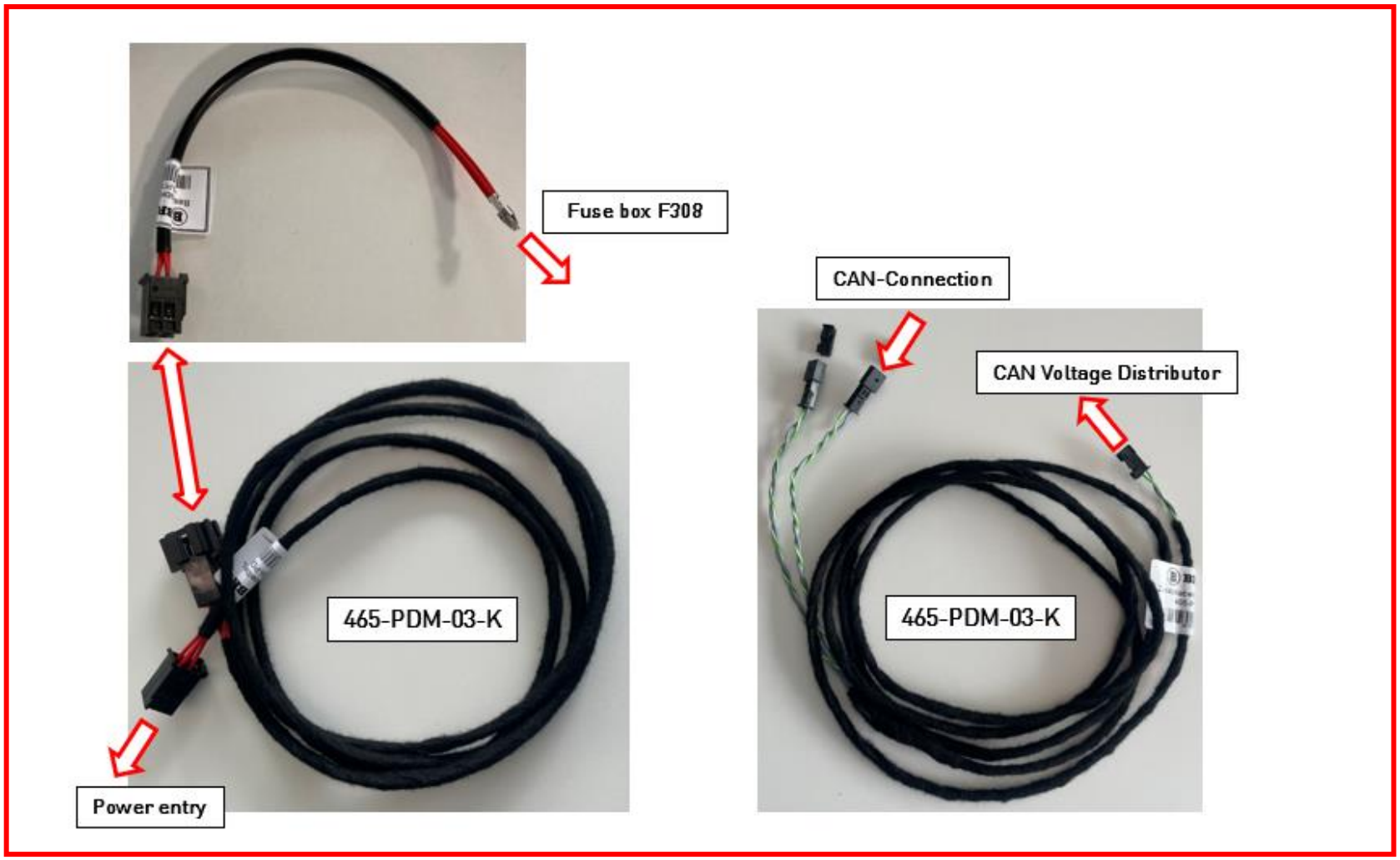
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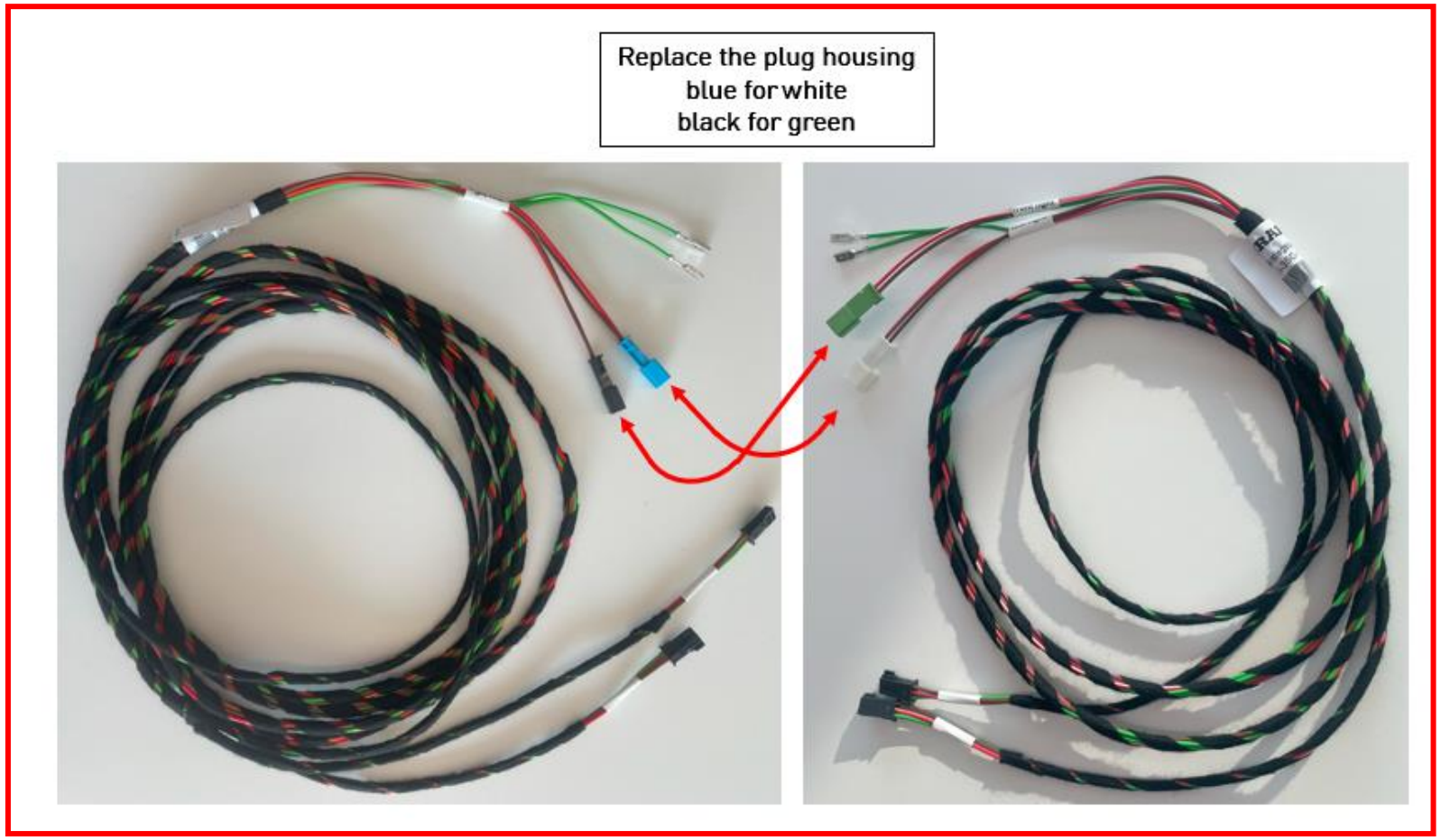
Electrical connection for right-hand drive:



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- On the door wiring harness for the left and right door entrance panels (465-350-11), replace the 4 connector housings that lead to the control module.

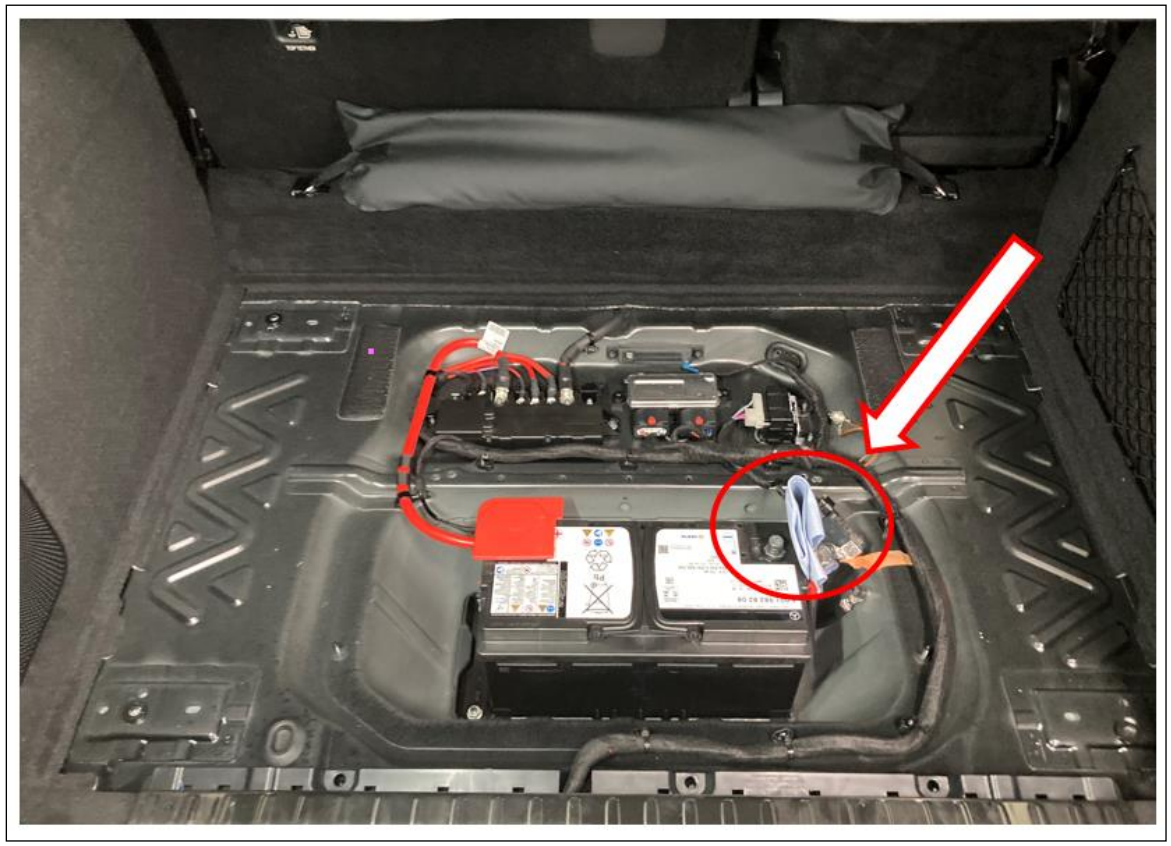
- Blue for white and black for green.



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Preparations:

- Under the trunk lid, disconnect the ground cable from the vehicle battery.
- Perform all work in accordance with the Mercedes-Benz Workshop Information System.



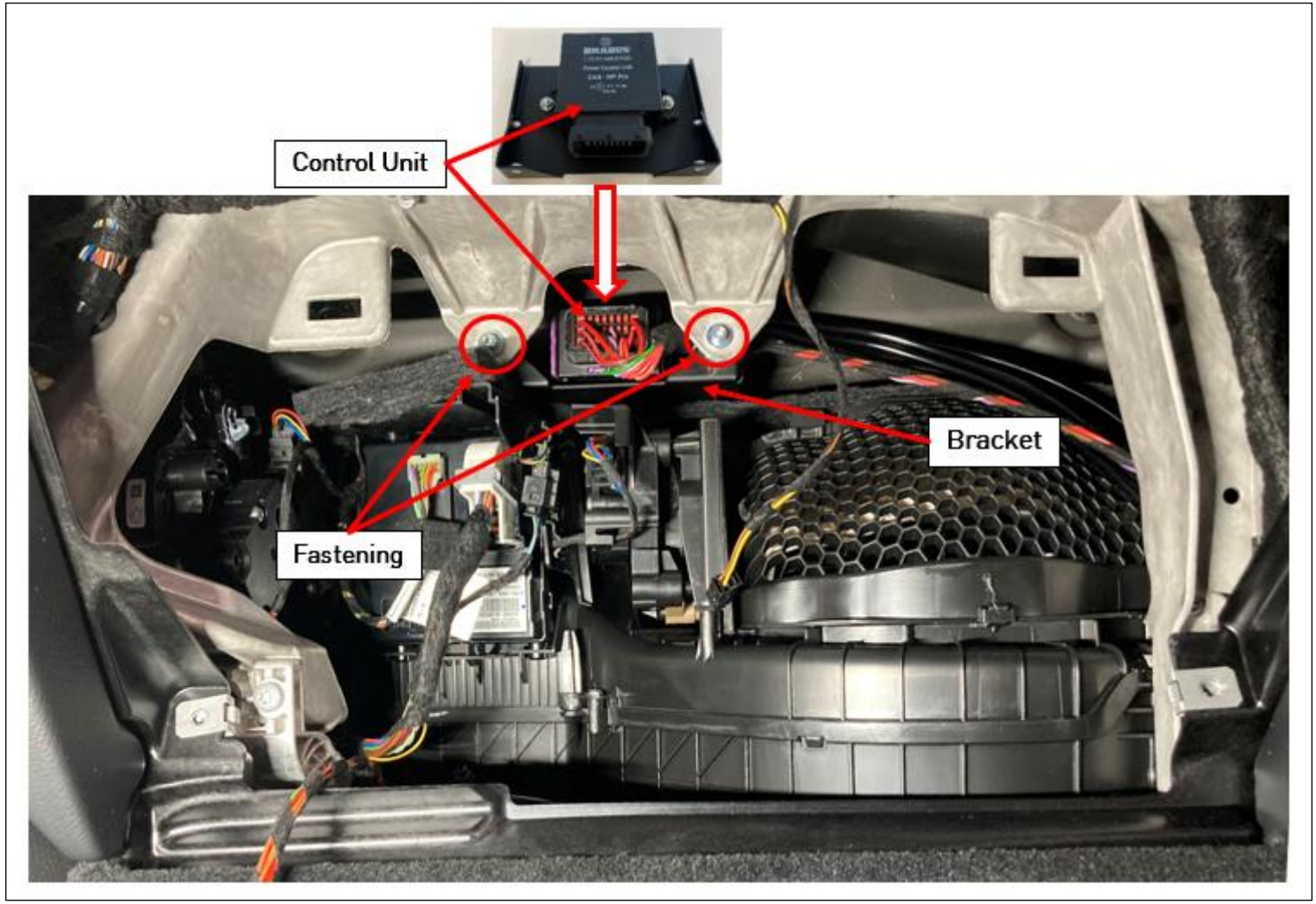
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- Remove the plastic door trim panels with the standard illuminated door sills on the left, right, front, and rear.
- Remove the glove compartment according to the Mercedes-Benz Workshop Information System.
- Remove the left and right lower trim panels from the dashboard. Loosen the lower trim panels on the left and right B-pillars.



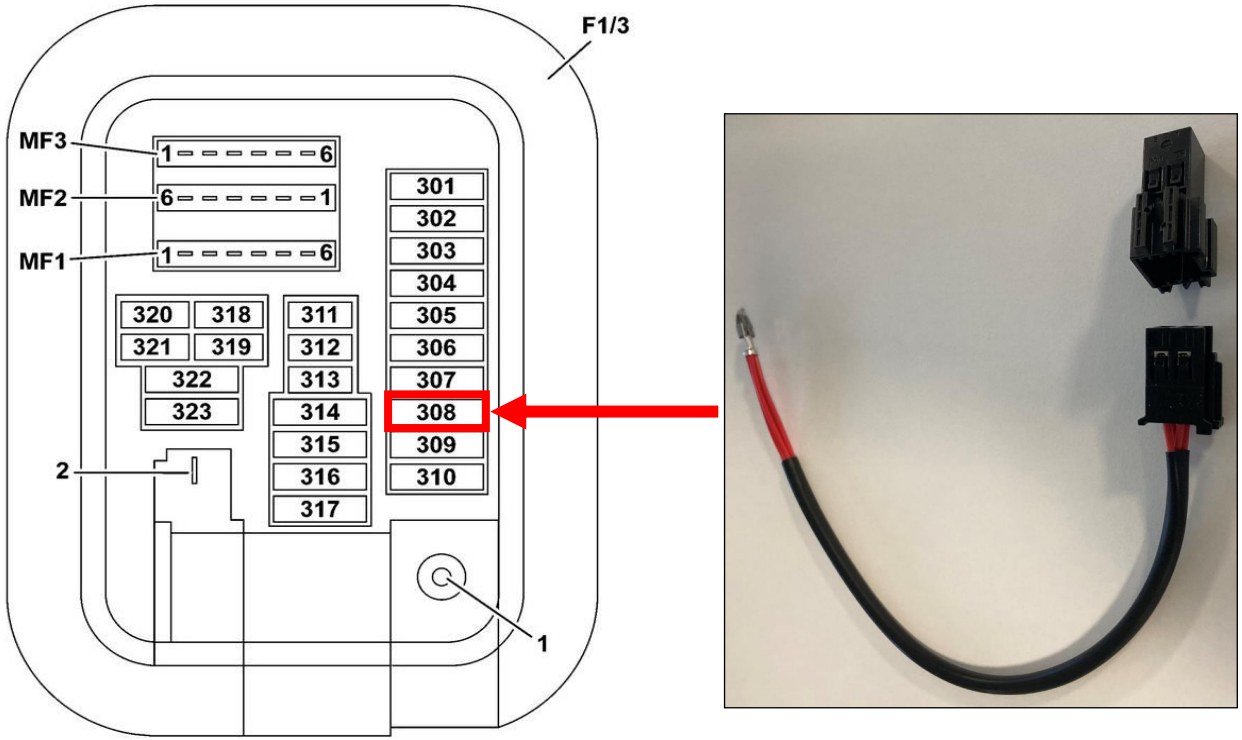
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- Screw the PDM to the bracket in the position shown, behind the glove compartment. To do this, use the mounting screws provided.



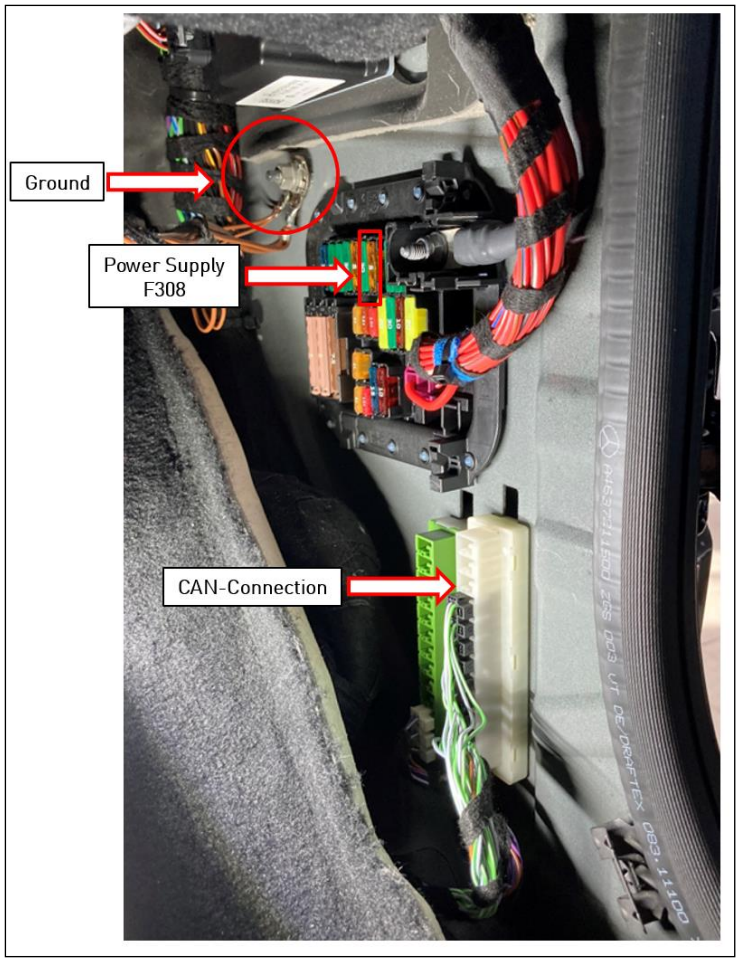
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- Route the left and right door harness connectors downward toward the right A-pillar.
- Secure the wiring harness to the dashboard bracket using a cable tie.
- Run the connection wires to the fuse box in the right-hand A-pillar.
- Remove the fuse box from the right A-pillar (F1/3).
- Plug the power supply cable (30) into slot F308 from the back. If the vehicle is already equipped with the BRABUS PDM Light System (part number 465-PDM-00), plug the power supply cable into the PDM wiring harness connector (see figure on the right).



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- Screw the ground ring terminal onto the ground connection point on the right A-pillar.
- Plug the CAN connector of the PDM cable set into an available slot on the CAN user interface potential distributor (cable colors: gray, green-white).
- Insert the included 15A flat-blade fuse into fuse port F308.

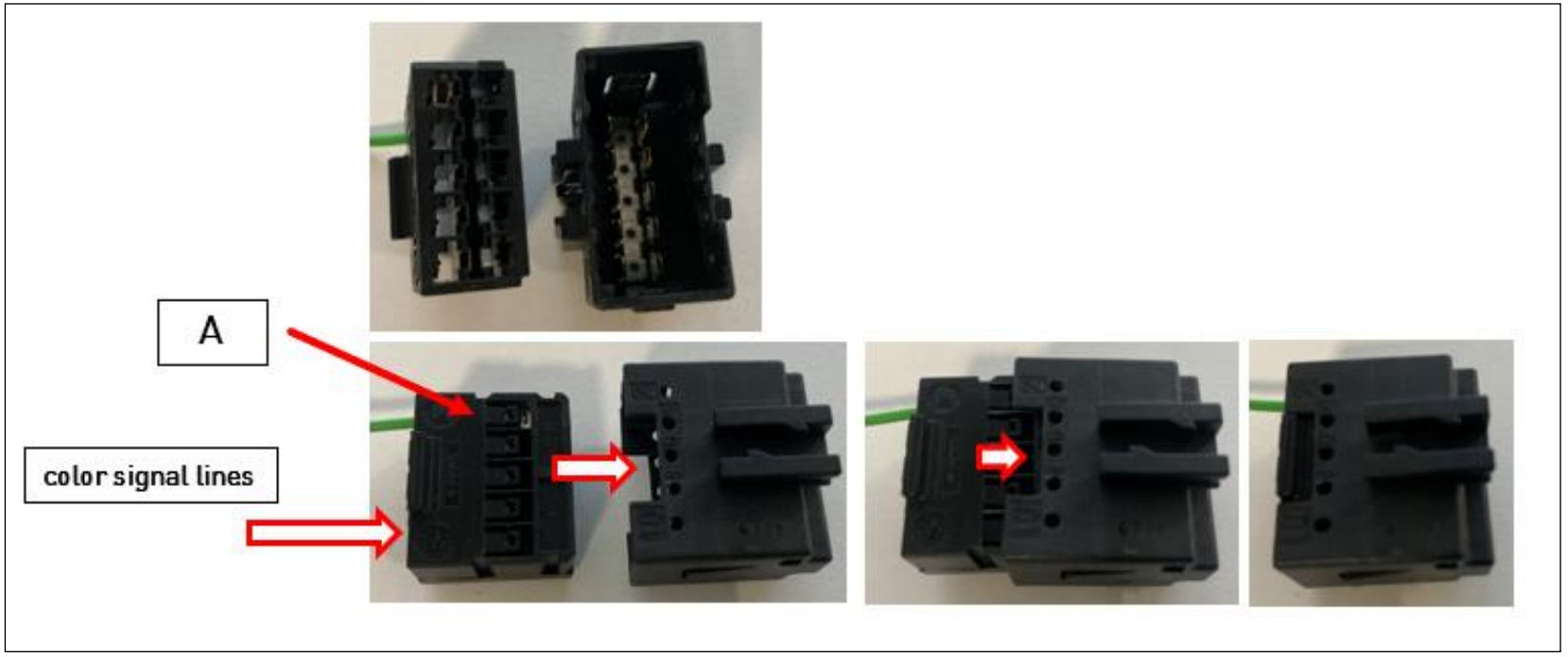


only RHD (Page 6)

- Use the 465-PDM-03-K cable sets to extend the power and CAN connections to the right side of the vehicle.
- The PDM-Light control unit is located on the left side behind te glove compartment in right-hand drive vehiclhes.
- The connection is made in the same way for right-hand drive vehicles as for left-hand drive vehicles.

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- Connect the door wiring harnesses to the PDM, and plug the green wires into potential distributor A.
- Press the potential distributor together and make sure it clicks into place properly; otherwise, the electrical connection will not be established.



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- Route the longer door harness underneath the dashboard and through the center console to the left side of the vehicle, to the front door entrance panel, and behind the lower B-pillar trim to the rear door entrance panel.
- Install the right door wiring harness in the same way as the left door wiring harness.
- Remove the screws on the back of the door entrance panels and carefully detach the standard illuminated door sills from the door entrance panels. Carefully remove any adhesive residue.
- Drill 14 mm holes in the entrance panels to route the electrical wires (as indicated by the red markings in the image below, shown on the rear entrance panel)



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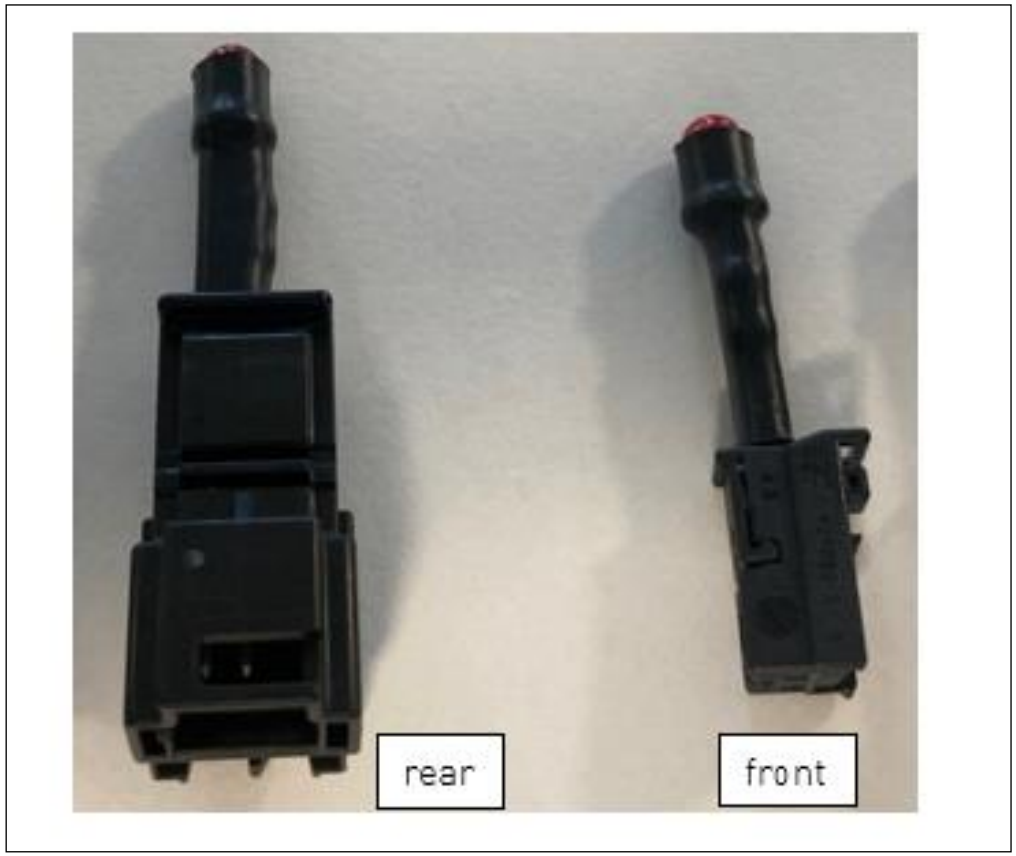
- Clean all bonding surfaces with acetone and apply primer to ensure optimal adhesion.
- Feed the electrical wires through the holes.
- Remove the backing from the VHB tape and press the BRABUS carbon trim strips and panels firmly into place.
- Apply pressure to the adhesive surface to achieve optimal adhesion.



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- Attach the 4 adapter resistors to the connectors on the original entrance panels.

  Note: Be sure to observe the “front” and “back” designations!



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- Connect the wiring harness connectors to the door sills and install the completed door entrance panels.

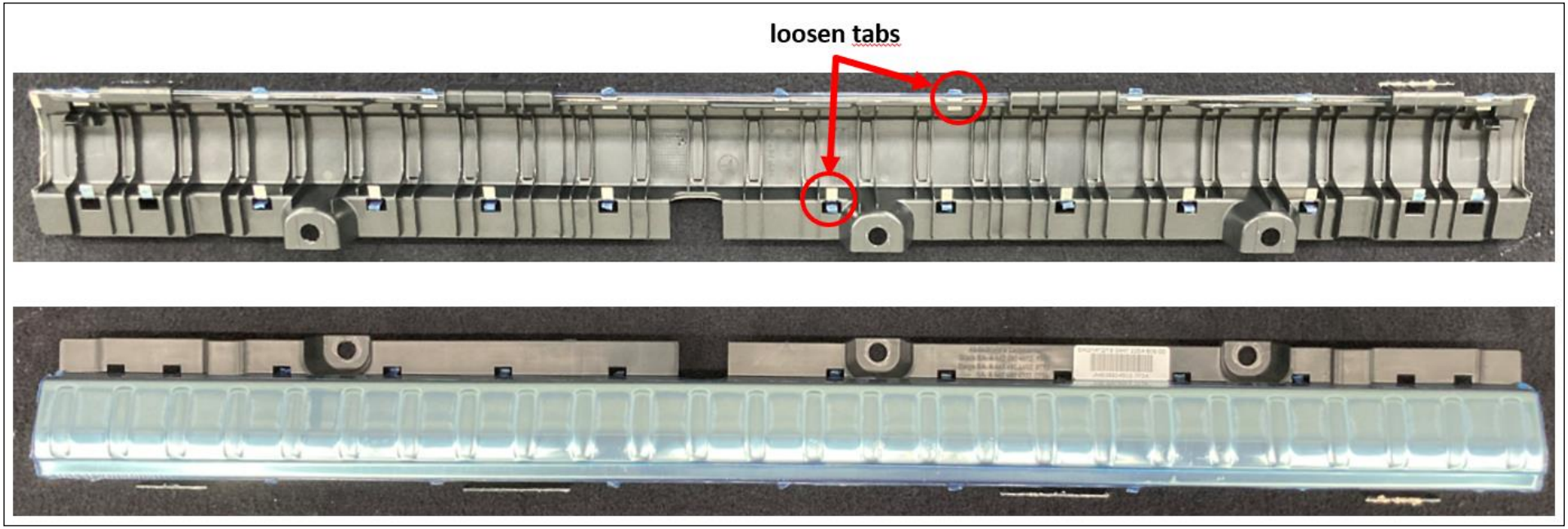




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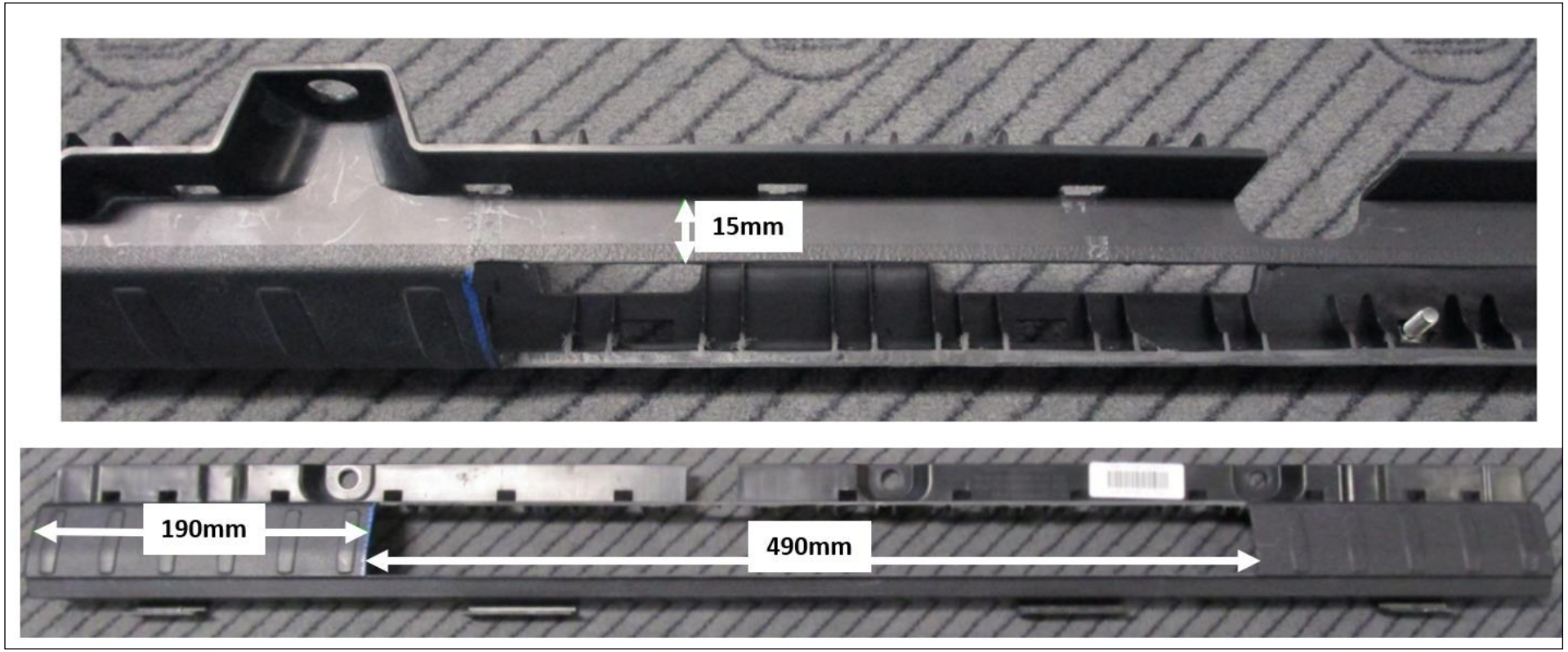
Prepations rear door entrance panel:

- Remove the plastic rear door entrance panel according to the Mercedes-Benz Workshop Information System.
- Remove the aluminum cover by releasing the tabs on the back of the bracket.



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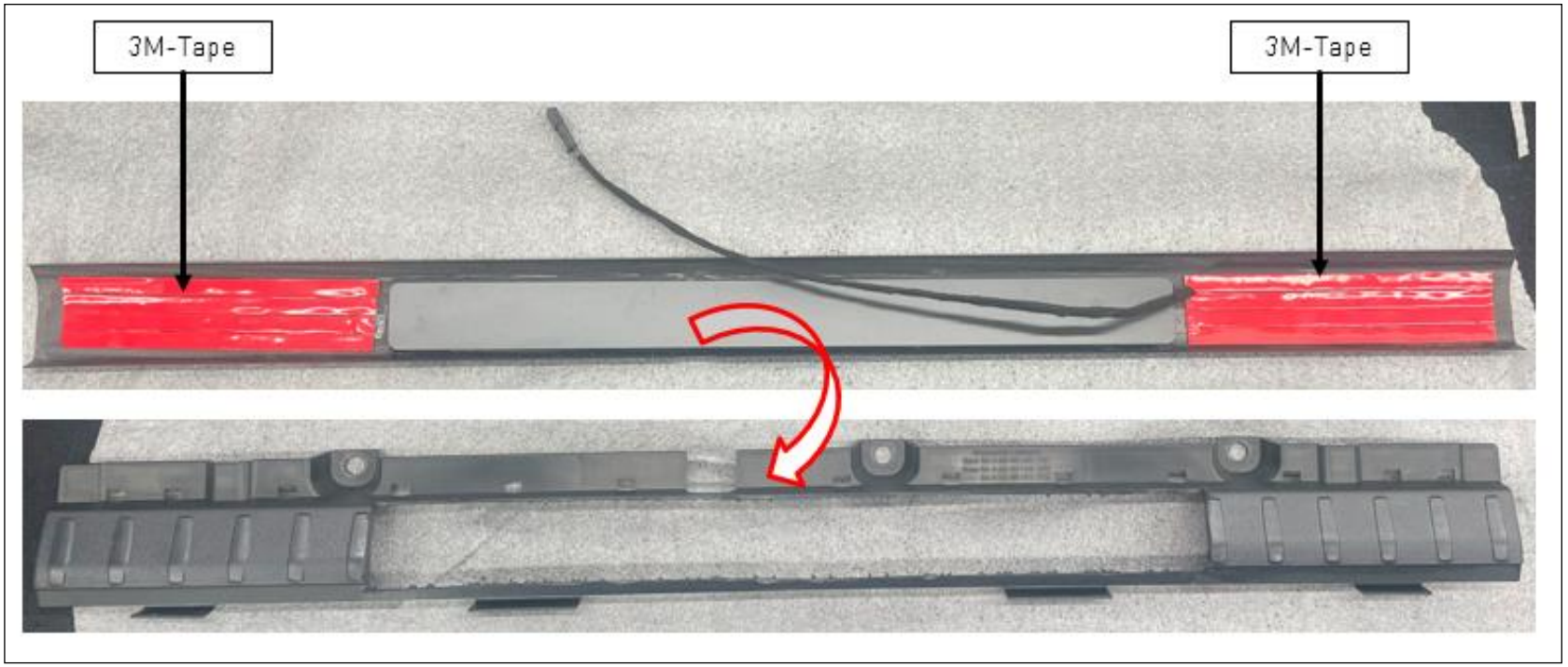
- Mark the areas to be cut out on the support/entry strip using the measurements provided below
- Using a suitable tool, remove the marked area on the entrance panel.



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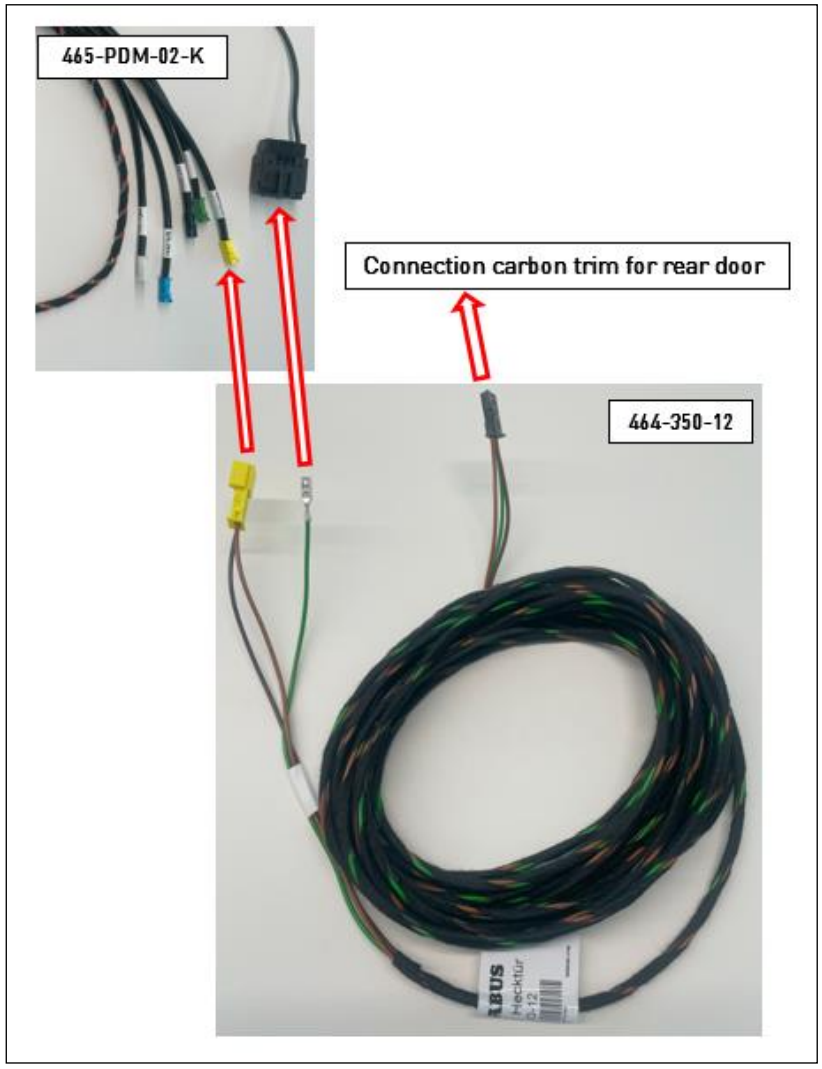
Installation of carbon panel:

- Clean all bonding surfaces with acetone and apply primer to ensure optimal adhesion.
- Position the 3M tape on the back of the BRABUS carbon trim in the marked location.
- Peel off the protective film from the 3M tape.
- Position the BRABUS carbon trim precisely on the bracket and press it down firmly and evenly.



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- Route the wiring harness forward along the right side of the vehicle and connect it to the PDM: yellow to yellow, green wire to the distributor.



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- Plug the connector of the wiring harness into the completed rear door entrance panel, and then install it in the vehicle.
- Reconnect the ground wire to the vehicle battery.
- Reinstall all the trim parts that were removed and perform a functional test.
- When the door is opened, the door entrance panel first light up white and then change to the selected ambient lighting color within approximately 2 seconds.





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