Installation guide

Retrofit-electric kit for connection of standard additional daytime running lamps of carbon fibre roofspoiler G500 4x4², 463-460-TS

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.

Please read these instructions carefully and check the content of the parts supplied prior to assembly. Wear protective clothes.
For disassembly/ assembly of standard components please regard to Mercedes-Benz Workshop information system.
See reprimands on page 5.

The assembly takes about 3 hours of labour.

Included in delivery of Brabus retrofit-kit for roof DRL, 463.460-TS:

1x Plastic antenna cover incl. adhesive tape	463-460-00
1x Power supply wiring harness	463-460-01
1x Wiring harness for control unit	463-460-02
1x Roofspoiler wiring harness	463-460-03
1x Set of DRL adapter wires (for stock DRL)	463-460-04
1x Control unit (not a relay!)	463-TFL-SG
1x Drill with drill depth limitation	550880
10cm jacket for drill	BE365521
1x Litz wire	A0001581435
1x Fuse 5 Amps	WU731005
2x Plug housing, waterproof, 2-pole	
2x Socket housing, waterproof, 2-pole	

463-460-01



463-460-04



463-460-02



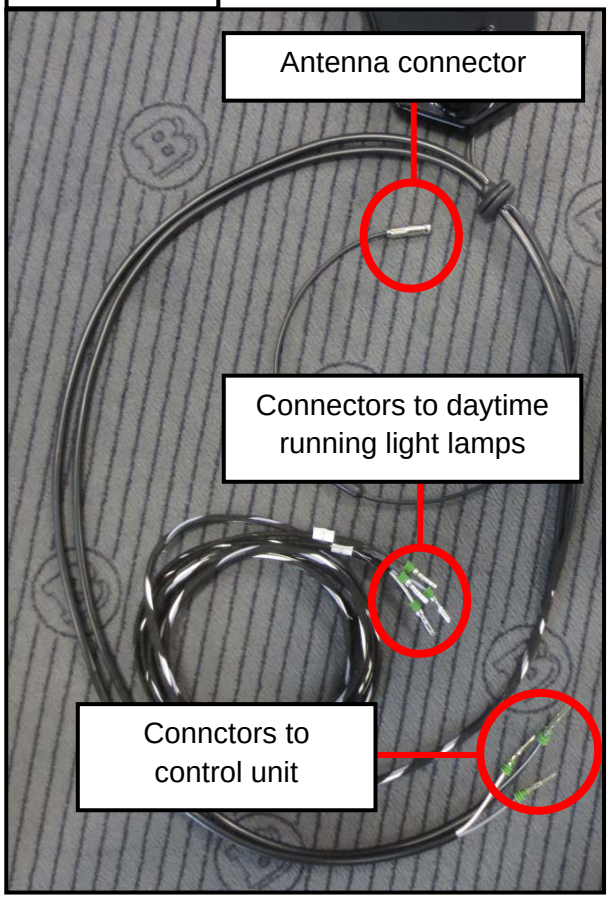
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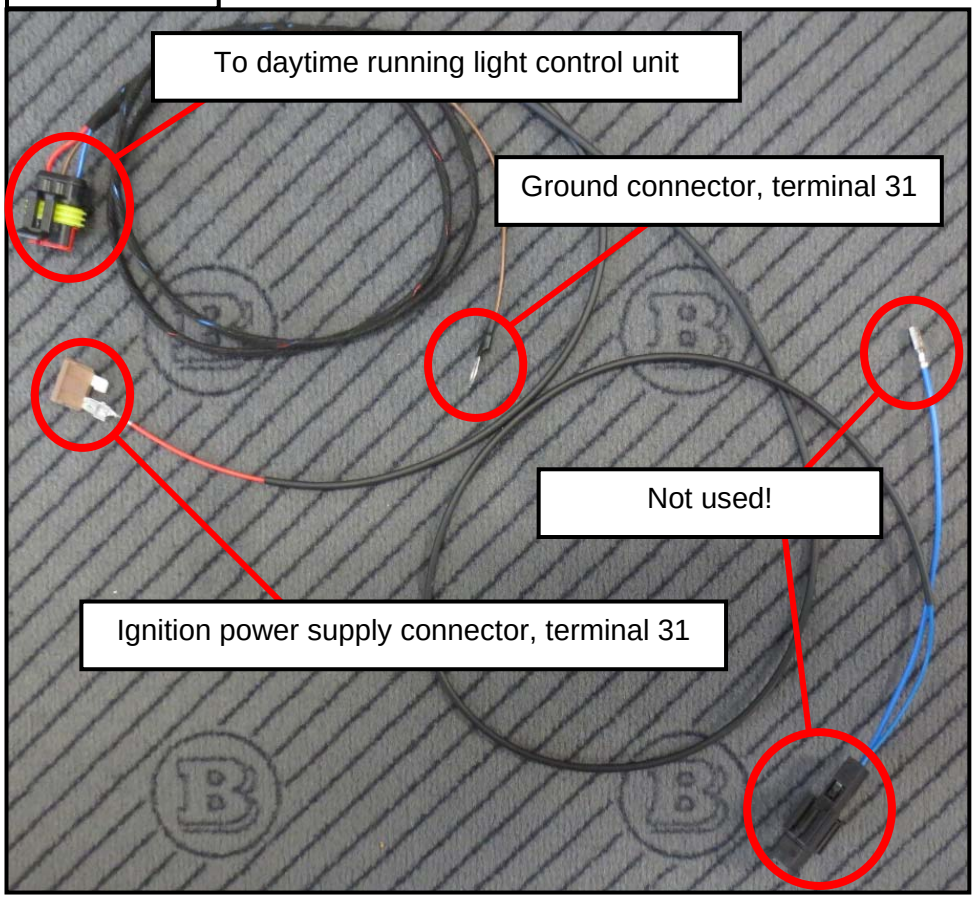
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Wiring harness overviews:

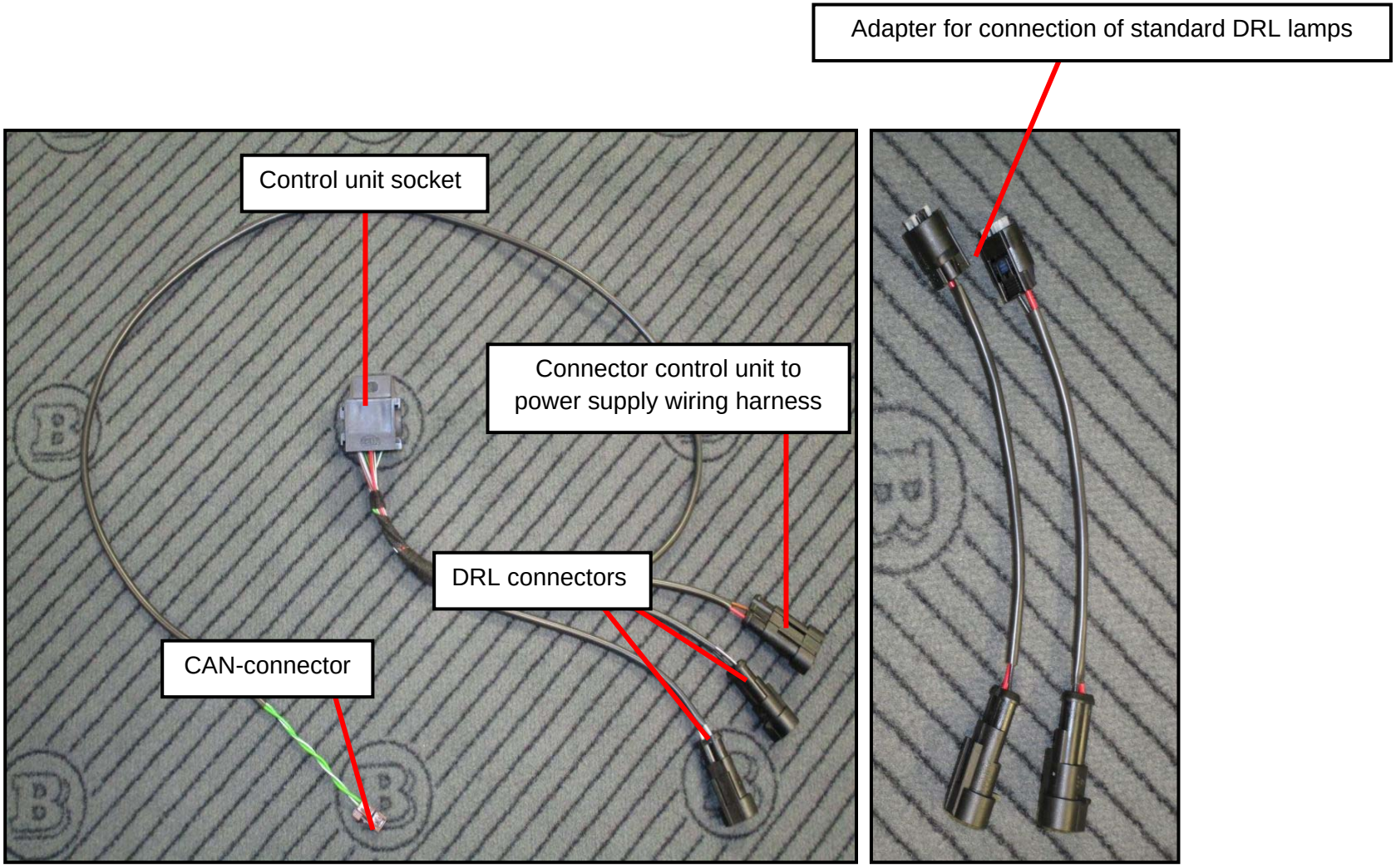
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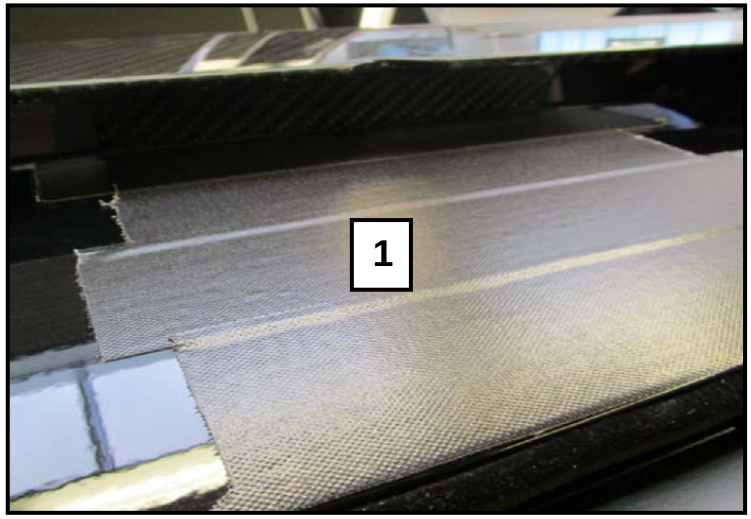
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Preparation:

- Disconnect the starter battery, remove the frontmost foofliner operation panel (WIS – AR82.20-p-1000GW).
- Remove the right lower dashboard cover (WIS – AR68.10-p-1500GW & AR68.10-p-1520GW).
- Remove the right a-pillar trim (WIS – AR68.30-P-4050GW).
- Remove the glovebox (WIS – AR68.10-P-1400GW).
- Remove the sunvisors and their brackets (AR68.60-P-5480GW), same as the standard vehicle antenna which is not used furthermore (WIS – AR82.70-P-8951GW).
- Sufficiently tape the center area of the roof shown to protect the roof coating against damages using using appropriate tape (duct tape, fig. 1).
- Remove the standard daytime running lamps of the carbon fibre roofspoiler.



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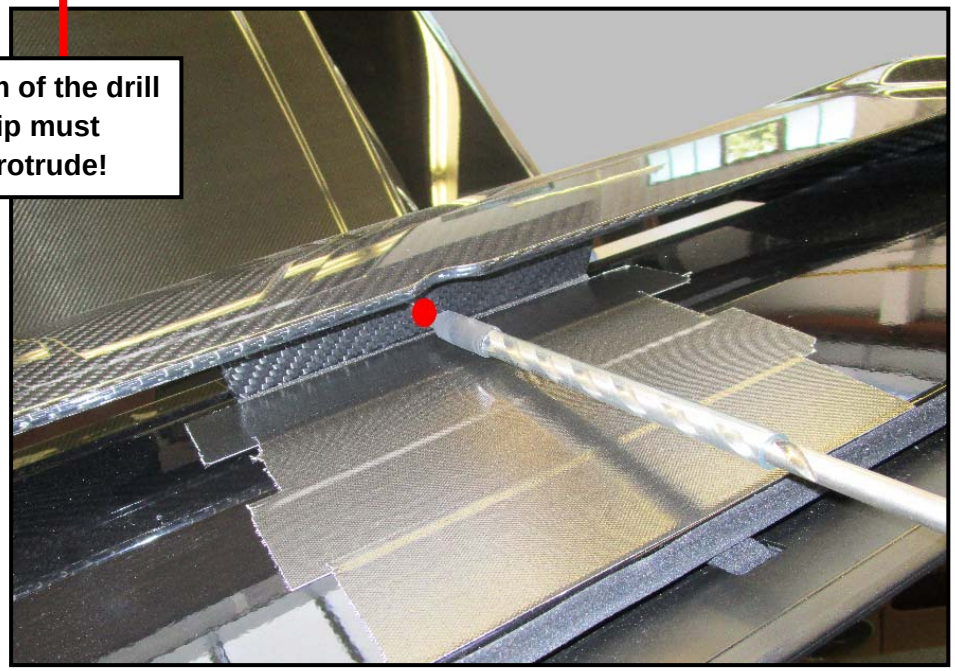
Assembly:

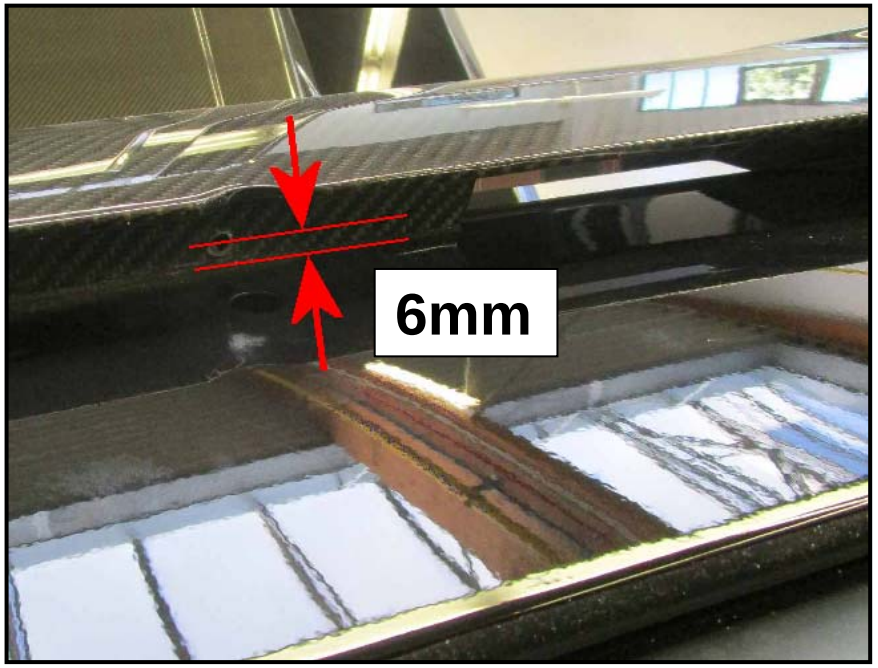
- Attach the drill supplied to a suitable drilling machine and drill the hole for the daytime running lamp wire harness at position marked.

Attention:

Pay attention to using the drill jacket supplied which is used as drill depth limitation.

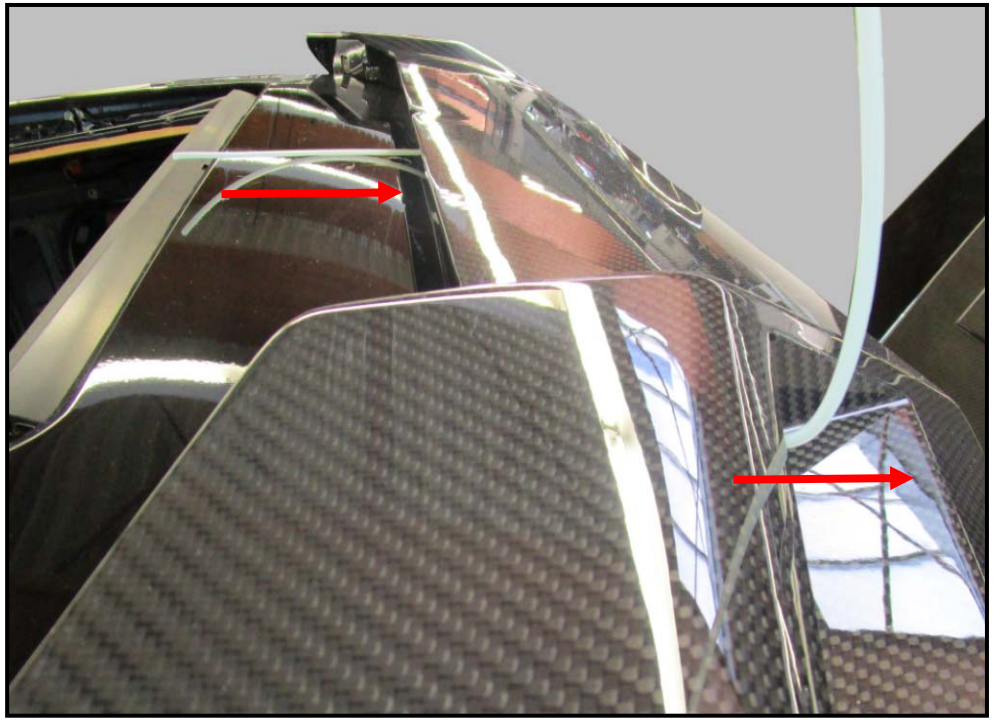


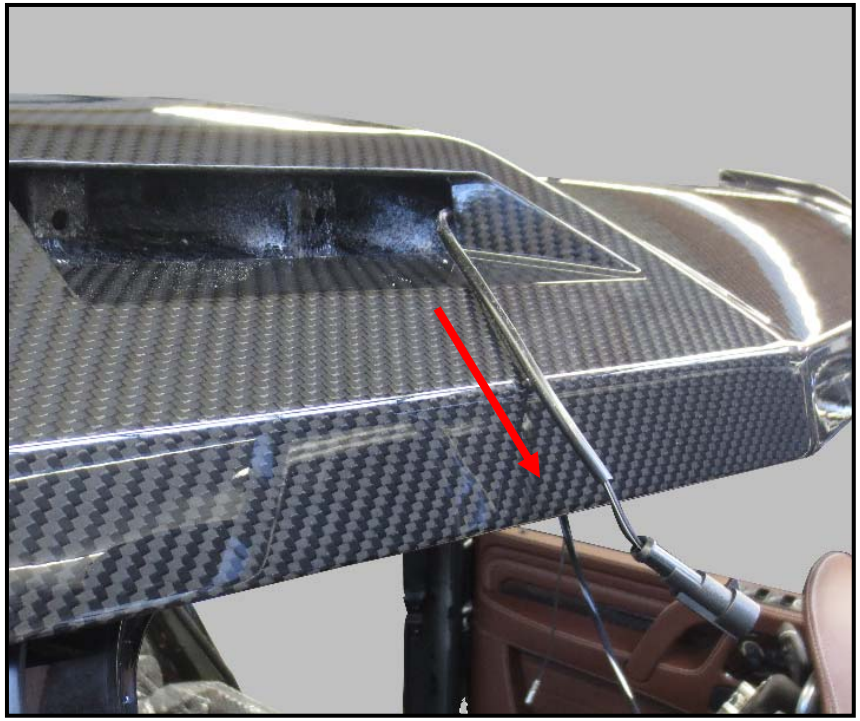




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- Lead the litz wire supplied into the carbon fibre roofspoiler and route it to one of the DRL assembly positions.
- Connect the litz wire to the DRL connector of the Brabus wiring loom and pull the wire out of the roofspoiler.
- Repeat the procedure on the other side.





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- Attach the wires of the daytime running lamp wires to each a 2-pole plug supplied.
- Pin allocation:

Wire BK - WH	**-**	**Slot**	**2**
Wire BK	**-**	**Slot**	**1**

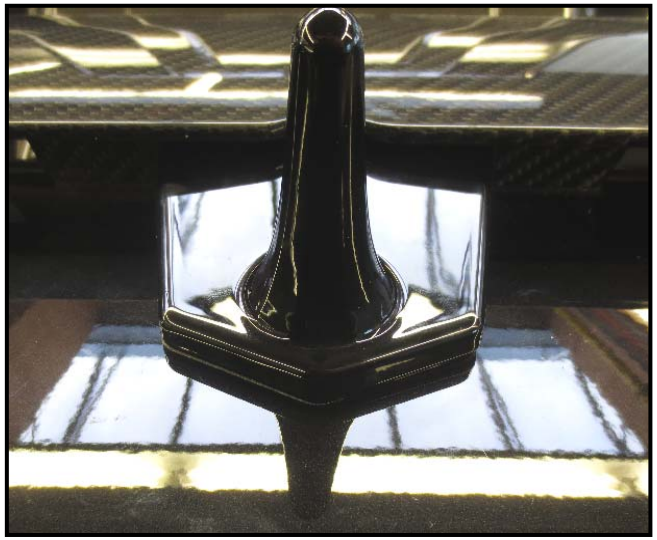
- Connect the DRL adapter wires supplied to the wiring harness and the DRL lamps and bolt the DRL lamps to the carbon fibre-roofspoiler.
- Route the wires of the Brabus wiring harness through the antenna hole and into the vehicle and attach the rubber grommet to the hole. Make sure fur sufficient denseness.



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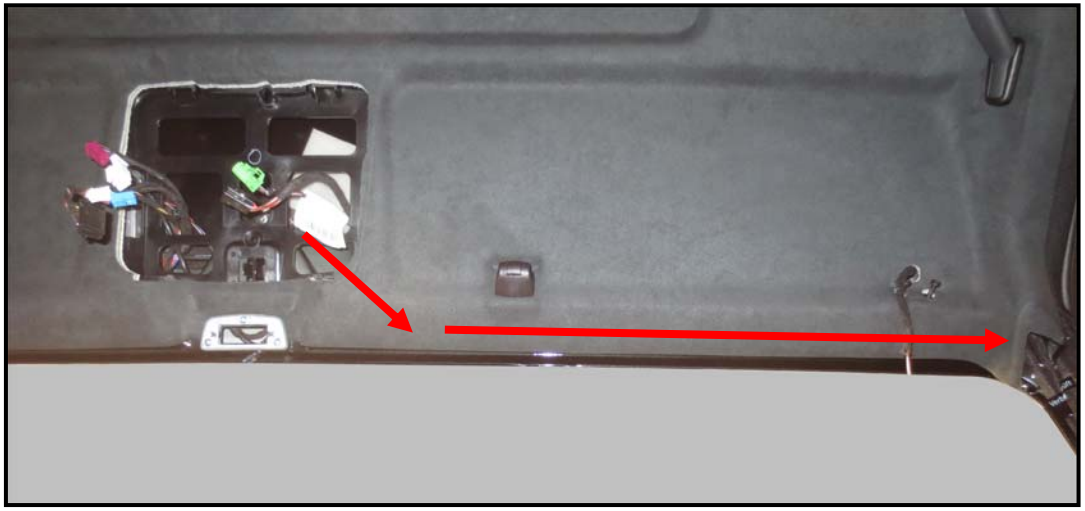
- Remove the tape and sufficiently clean and degrease the bonding area of the antenna plastic cover.
- Remove the protection foil ofn bottom of the cover and bond the cover to the roof according to images below Firmly press the cover to the roof. Connect the antenna wire to the standard connector within the vehicle. Re-wrap the connection.

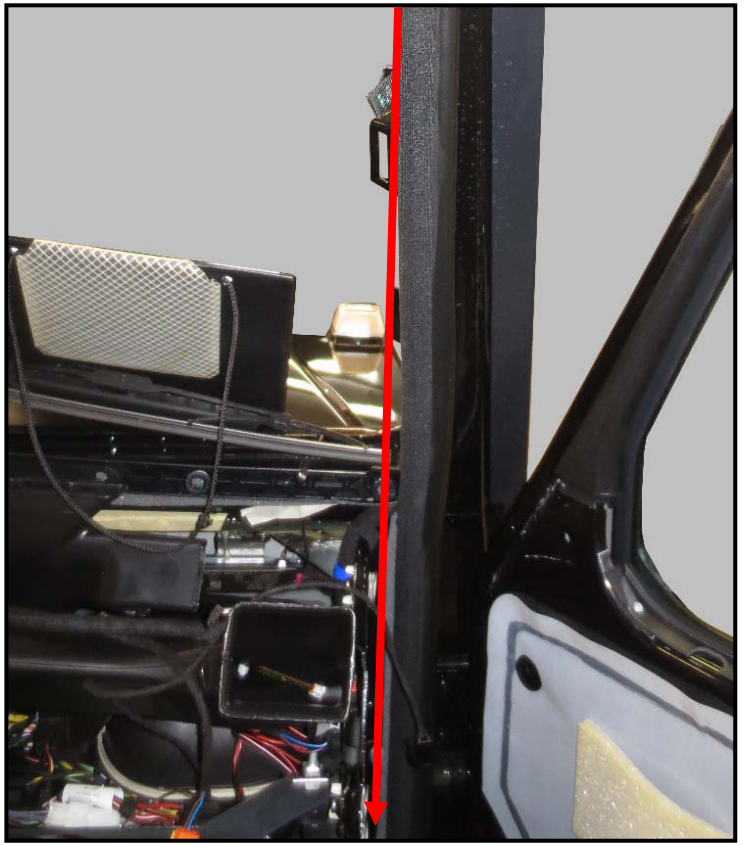





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- Route the wiring harness to the vehicle right side and stow it below the roofliner (Carefully pull roofliner down).
- Route the wiring harness down into the passenger footwell along the a-pillar. Fixate the harness appropriately (e.g. using cable ties).





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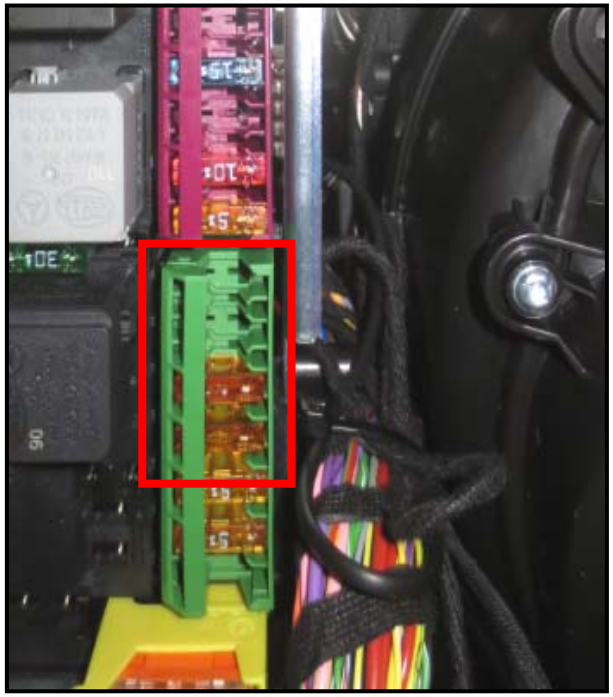
- Bond the control unit and the control unit socket to the stainless steel bracket right next to the CAN distributor (behind glovebox).
- Connect the wiring harness connectors to the control unit wiring harness (2x plug, 2-pole for DRL lamps and 1xplug, 3, pole for control unit.
- Bolt the ground ring lug to the ground terminal within the passenger footwell shown.

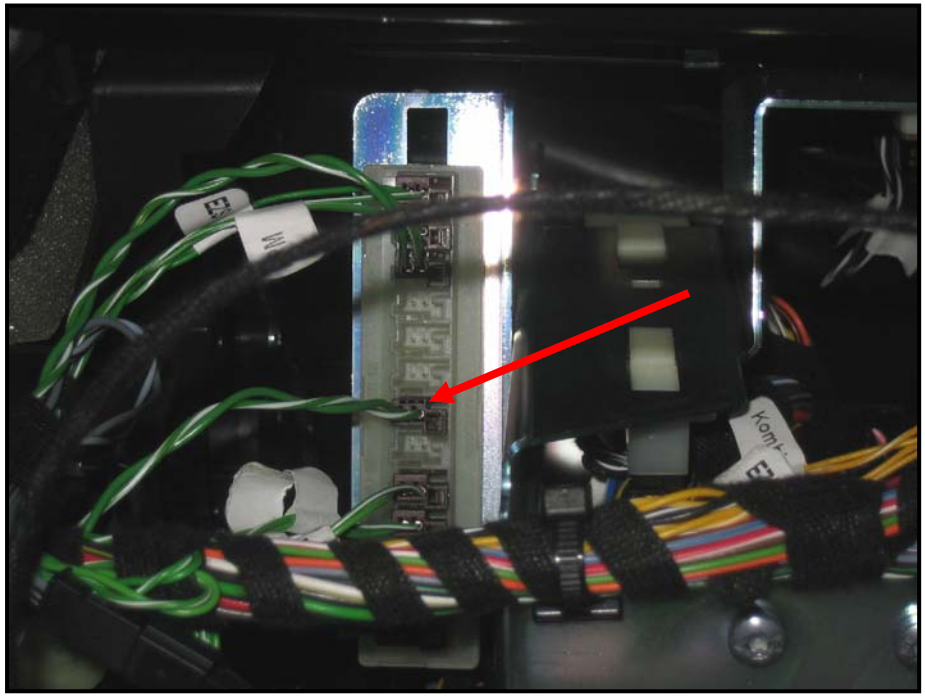


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- Route the power supply and the CAN wire up to the CAN distributor and the front SAM. Attach the ignition power supply wire to slots 224, 225, 226 or 227 of front SAM. Attach the fuse supplied (5 Amps) to the fuse bracket.

- Attach the CAN plug of the Brabus wiring harness to a free port of the CAN distributor shown.





- After assembly re-connect the starter battery and perform a function check, re-assemble all trims and covers according to Mercedes-Benz workshop instructions.

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