Installation guide

Retrofit-electric kit for connection of standard additional daytime running lamps of carbon fibre roofspoiler G500 4x4², 463-460-TB
incl. Brabus DRL lamps “dark”

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 4 hours of labour.

Included in delivery of Brabus retrofit-kit for roof DRL-black, 463-460-TB:

1x Plastic antenna cover incl. adhesive tape	463-460-00
1x Power supply wiring harness	463-460-01
1x Roofspoiler wiring harness	463-460-03
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	
1x Set of daytime running lamps “dark”	000-TL-02-2

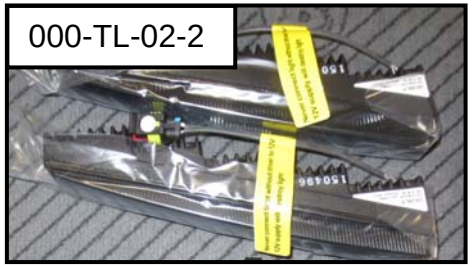
463-460-01



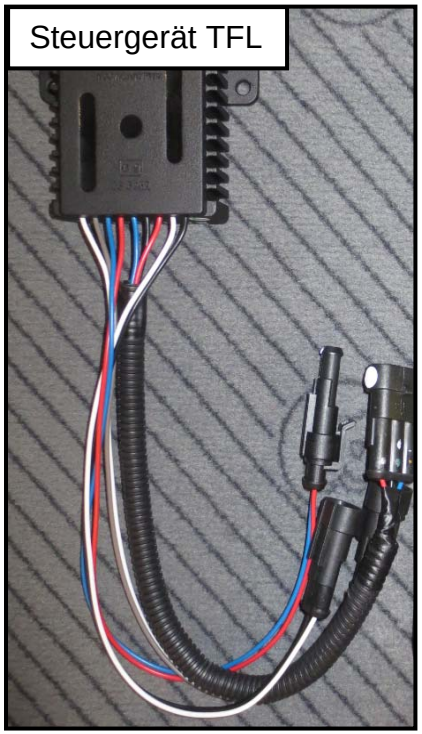
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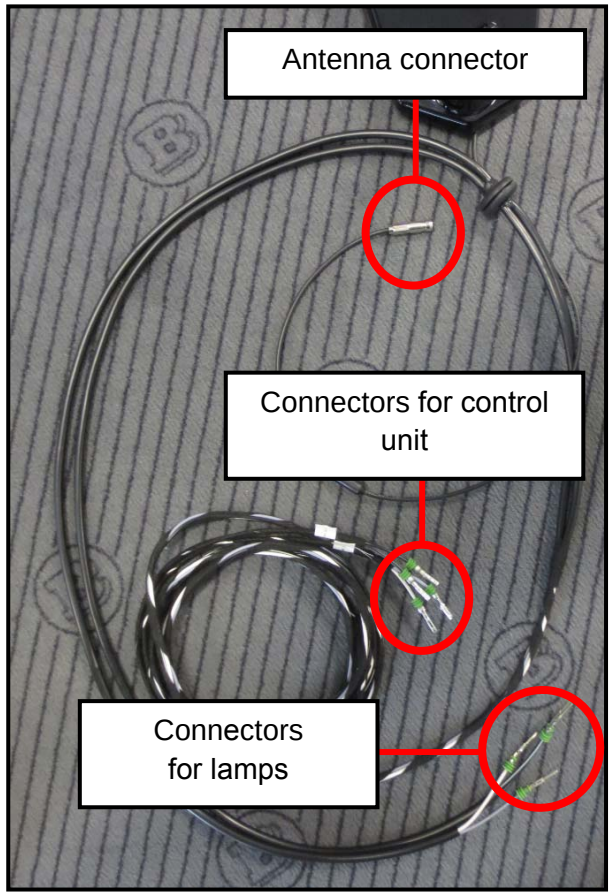


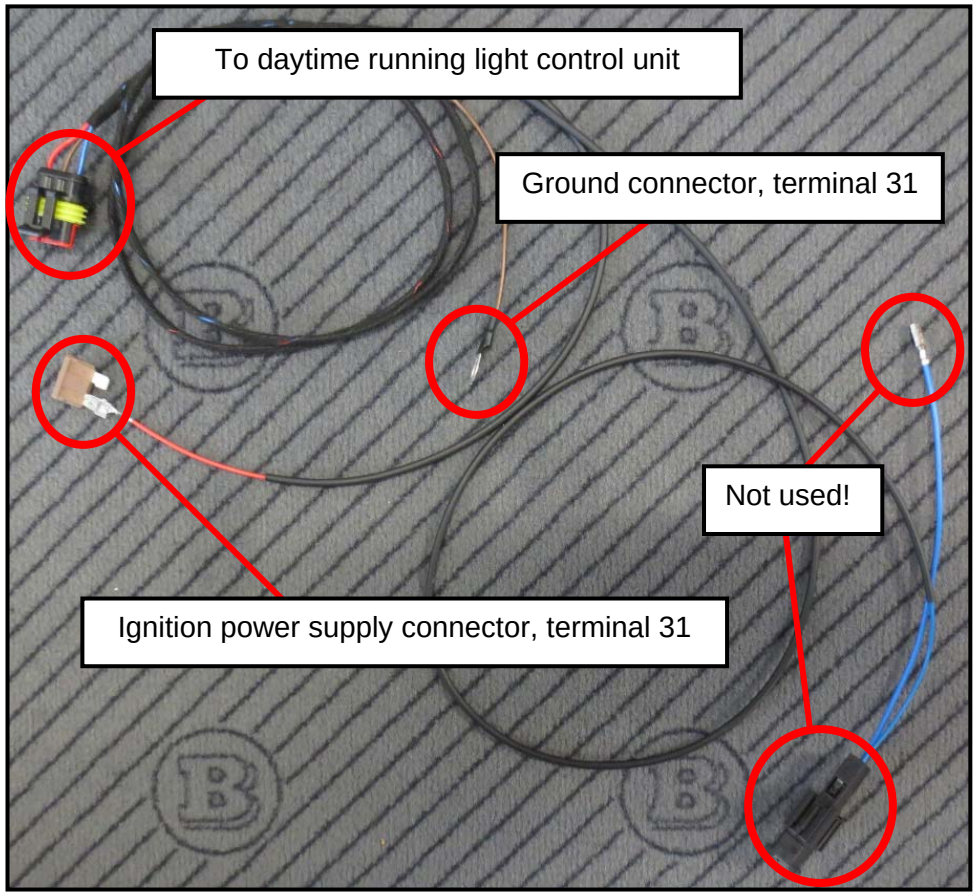
Steuergerät TFL



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Wiring harness overviews:

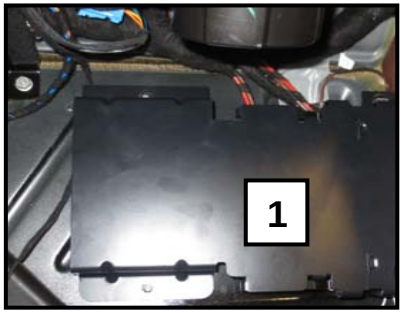




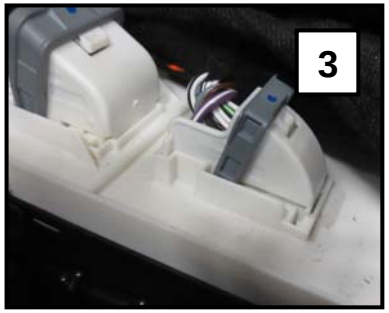
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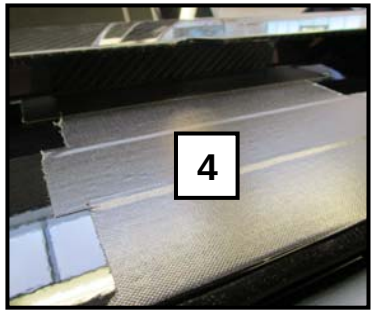
Preparation:

- 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).
- Fold the flooring within the passenger footwell back to get access to the housing behind (fig. 1). Loosen the screws and fold the cover back.
- 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).
- Remove the driver seat (WIS – AR91.10-P-1000GN) and the left and right center console covers (fig. 2) cover to get access to the plug shown (fig. 3, plug „UHI, left within center console) and to be able to route the wiring harness into the center console.
- Sufficiently tape the center area of the roof shown to protect the roof coating against damages using appropriate tape (duct tape, fig. 4).
- Remove the standard daytime running lamps of the carbon fibre roofspoiler









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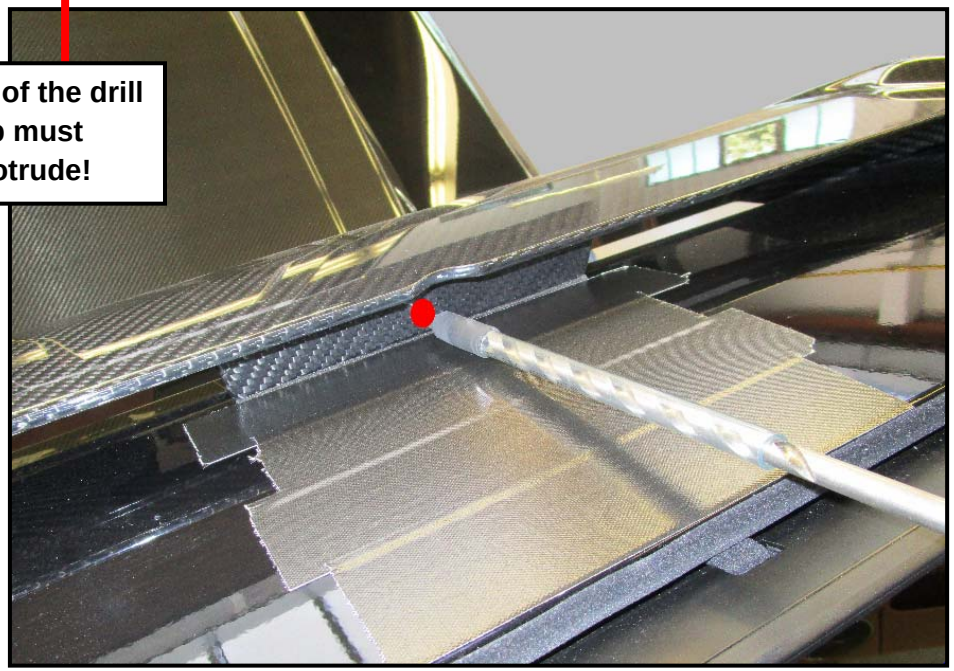
Assembly:

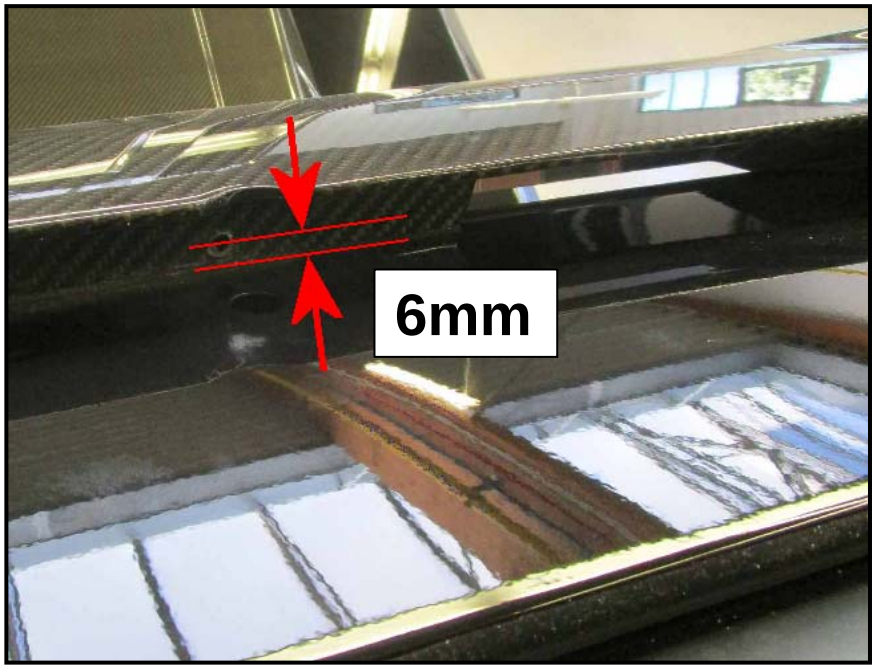
- Attach the drill supplied to a suitable drilling machine and drill the hole for the daytime running lamp wire harness at position marked.

Attention:

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

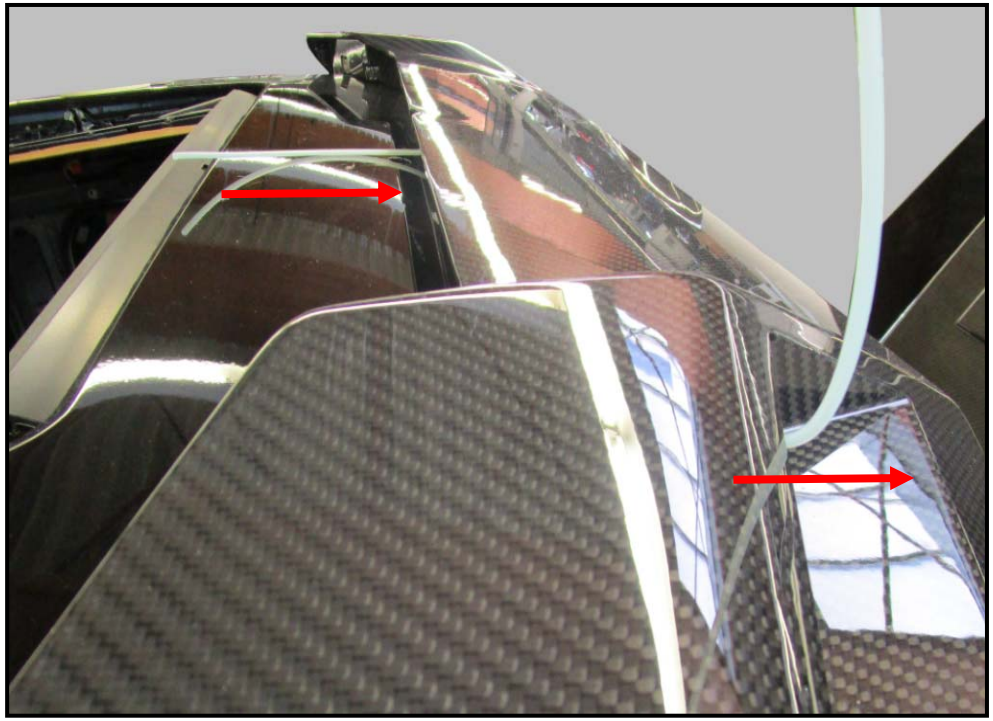


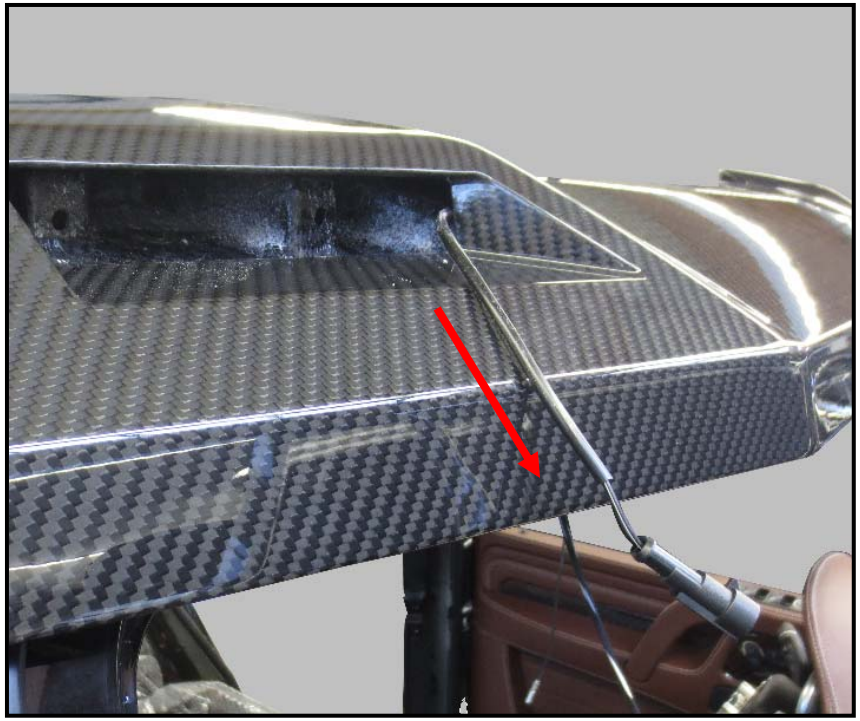




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- Lead the litz wire supplied into the carbon fibre roofspoiler and route it to one of the DRL assembly positions.
- Connect the litz wire to the DRL connector of the Brabus wiring loom and pull the wire out of the roofspoiler.
- Repeat the procedure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

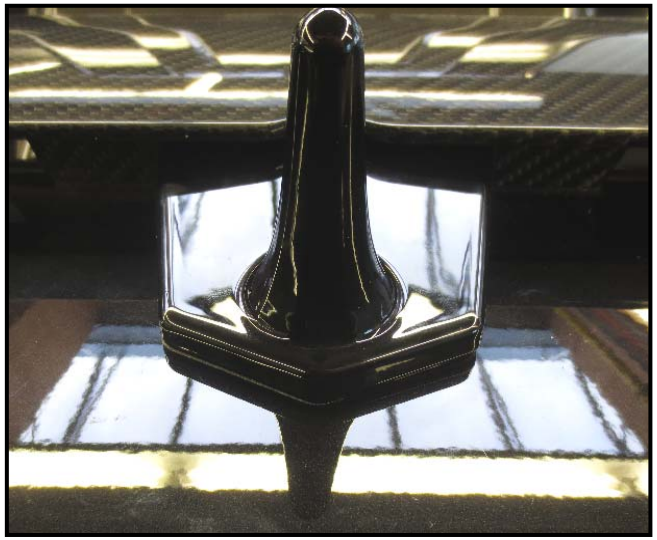
- Connect the DRL adapter wires supplied to the wiring harness and the DRL lamps and bolt the DRL lamps to the carbon fibre-roofspoiler.
- Route the wires of the Brabus wiring harness through the antenna hole and into the vehicle and attach the rubber grommet to the hole. Make sure fur sufficient denseness.



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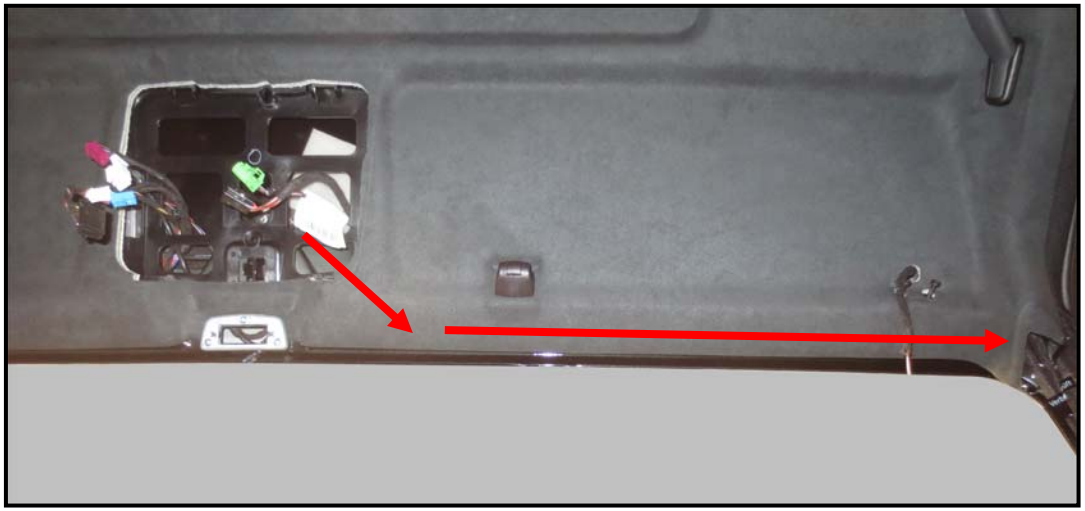
- Remove the tape and sufficiently clean and degrease the bonding area of the antenna plastic cover.
- Remove the protection foil ofn bottom of the cover and bond the cover to the roof according to images below Firmly press the cover to the roof. Connect the antenna wire to the standard connector within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

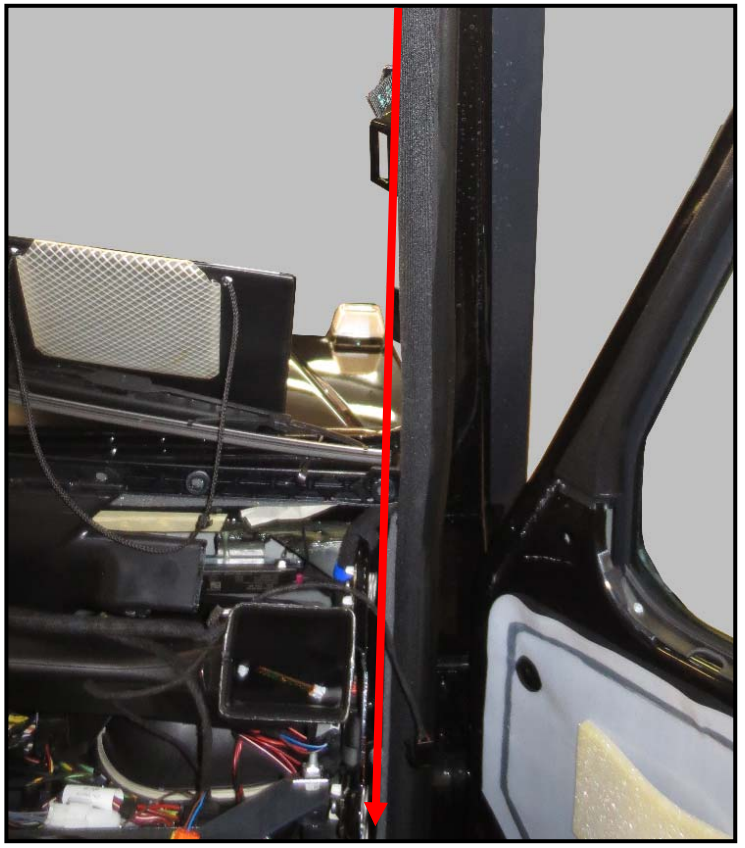





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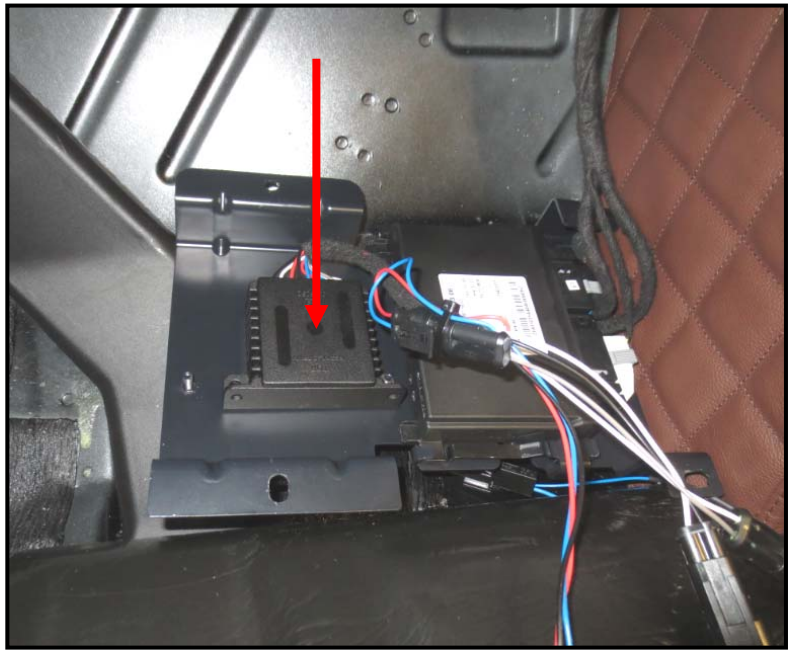
- Route the wiring harness to the vehicle right side and stow it below the roofliner (Carefully pull roofliner down).
- Route the wiring harness down into the passenger footwell along the a-pillar. Fixate the harness appropriately (e.g. using cable ties).





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- Bond the daytime running light control unit to the cover inside the passenger footwell using appropriate adhesive tape.
- 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).
- Route the wires out of the housing and re-attach the housing.
- Bolt the ground ring lug to the ground terminal within the passenger footwell shown.





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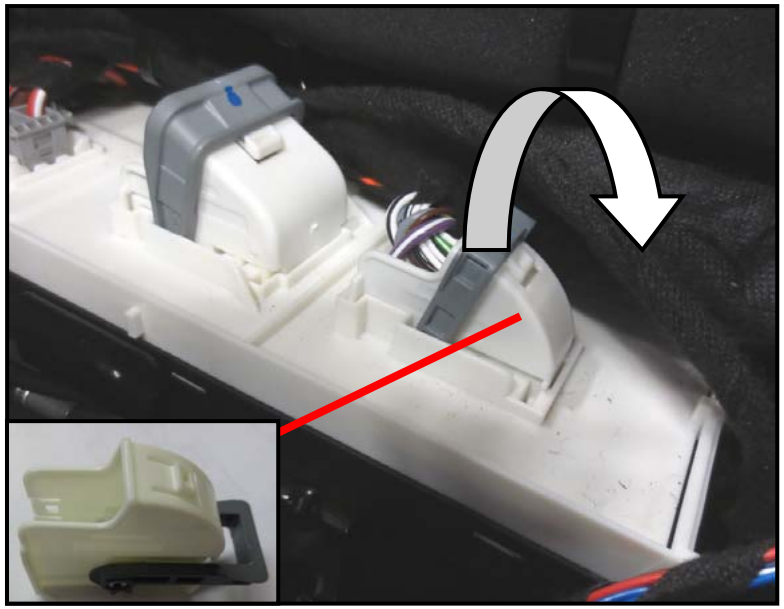
- Route the power supply wire upward to the front SAM. Attach the power supply wire to one of the slots 224-227 (ignition power supply, regard to image left below). Attach the 5Amp fuse supplied to the fuse bracket.
- Route the position light signal wire (56b) to the center console.

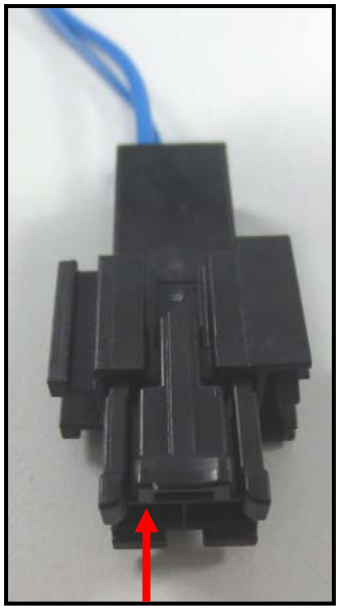




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- Release plug “UHI” and remove the cap.
- Release the wire out of slot 3 (GY-WH) using a suitable unlocking tool. Make sure not to damage the locking latch while unlocking or to deform the pin.
- Attach the standard wire out of slot 3 to the adapter of the Brabus wiring harness shown right below.
- Attach the wire out of the Brabus wiring harness adapter to the free slot 3 of plug UHI.
- Complete the plug and attach it back to it’s position.





- 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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