Installation guide

Carbon fibre roof attachment incl. highbeam LED-lights, for W463, G500 Edition, G63 AMG, G65 AMG, G350 d, article-no. 463-360-00_10, matte or glossy

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.

Take care for sufficient cleanliness while assembly and regard to bonding hints on page 3.

Included in delivery of Brabus carbon fibre roof attachment, article-no. 463-360-00_10:

1x	Carbon fibre roof attachment matte or glossy	463-360-01
1x	Plastic carrier for roof attachment	463-360-02
1x	Template set	463-360-03
2x	LED-highbeam lamps	463-360-04
4x	Left lamp bracket	463-360-05
4x	Right lamp bracket	463-360-06
1x	Control unit	463-360-07
1x	LED lamp wiring harness	463-360-08
1x	Main wiring harness incl. antenna	463-360-09
6x	Plate nut M5	WU501105083
6x	Washer5,3x15x1,25	WU411515
4x	Hexagon screw M5x40	WU084540
1x	Cylinder screw	WU0600512
2x	PU-adhesive kit	B28/000-8
4x	Self adhesive socket for cable fixation	
4x	Cable tie	

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Hints for adherence of body parts

The add on-parts for the car body can be bonded using the delivered adhesive, or using PU window adhesive in connection with appropriate primer .

When using the delivered adhesive all bonding areas (those of the car body and those of the add on parts) have to be sanded and properly cleaned and disgreased.

We recommend to use Würth window-adhesive (e.g. Würth, window adhesive „Classic“ or „Pro“, article-nos.: WU89002310, WU89002330), in connection with acetone cleaner (e.g. Würth, article-no.: WU893460) and primer (e.g. Würth, article-No.: WU890024101).
The primer gets attached to the bonding areas of the car body and the add on parts by using special primer brushes (e.g. Würth, article-no.: WU891650). Attach the primer only in one direction. After the primer has flashed off, apply an even line of adhesive and bond the part to the car. Remove excessive adhesive using suitable cleaner (e.g. Würth, article-no.: WU89010063).

For fixation of the parts until the adhesive is completely hardened,
we recommend to use assembly suckers, (e.g. Würth, article-no.: WU069155210 )

Remove paint fog prior to painting!

Take care not to apply the primer to areas which are still visible after bonding, apply up to 5mm away from the markings!

Regard to bonding hints and make sure the bonding areas are clean, free of grease and free of paint.

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Wiring harness overview:

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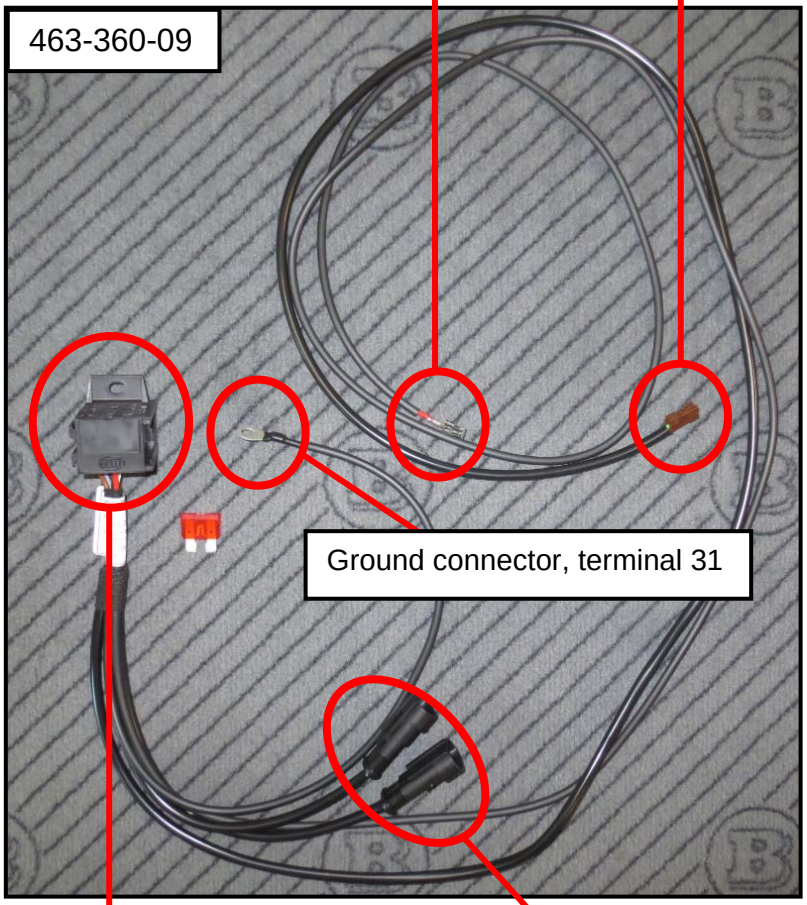
Power supply connector, constant power supply

CAN-connector

LED lamp connectors

Antenna connector

463-360-09

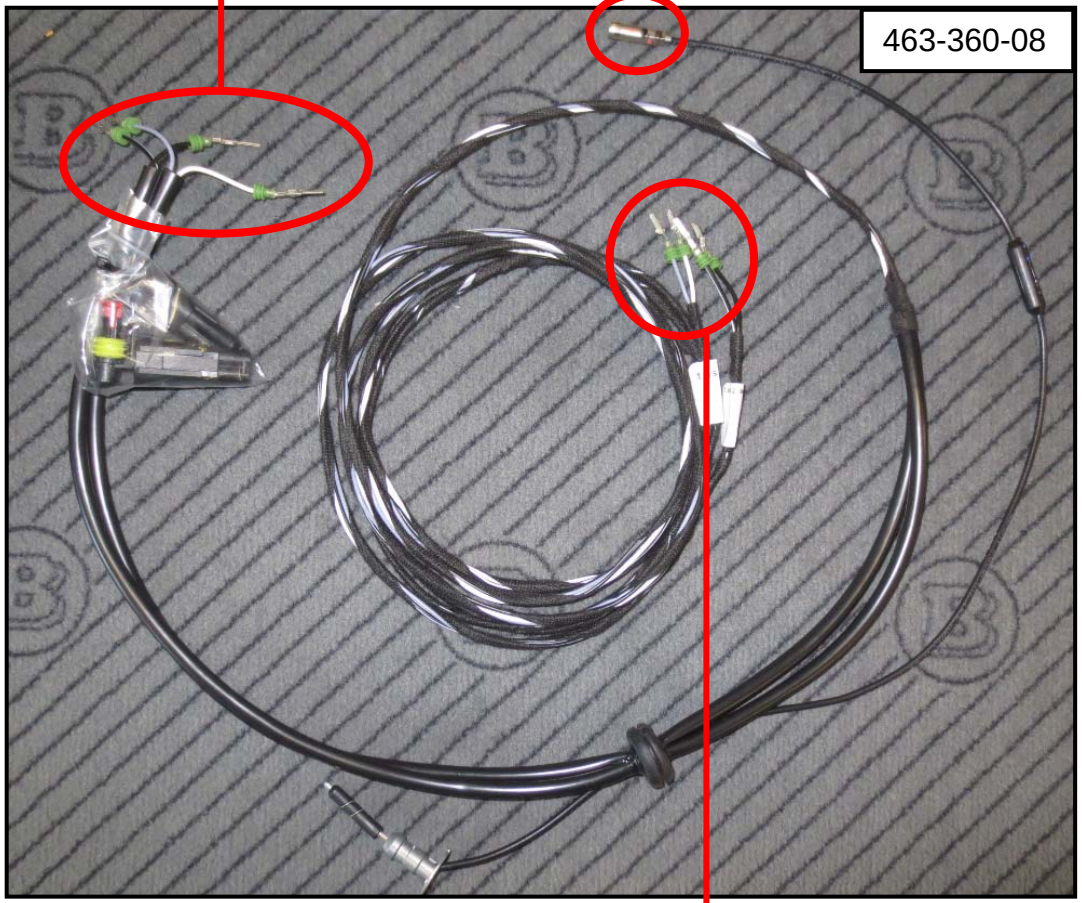


Ground connector, terminal 31

Control unit socket

Connectors for LED lamp wiring harness

463-360-08



Connectors for main wiring harness

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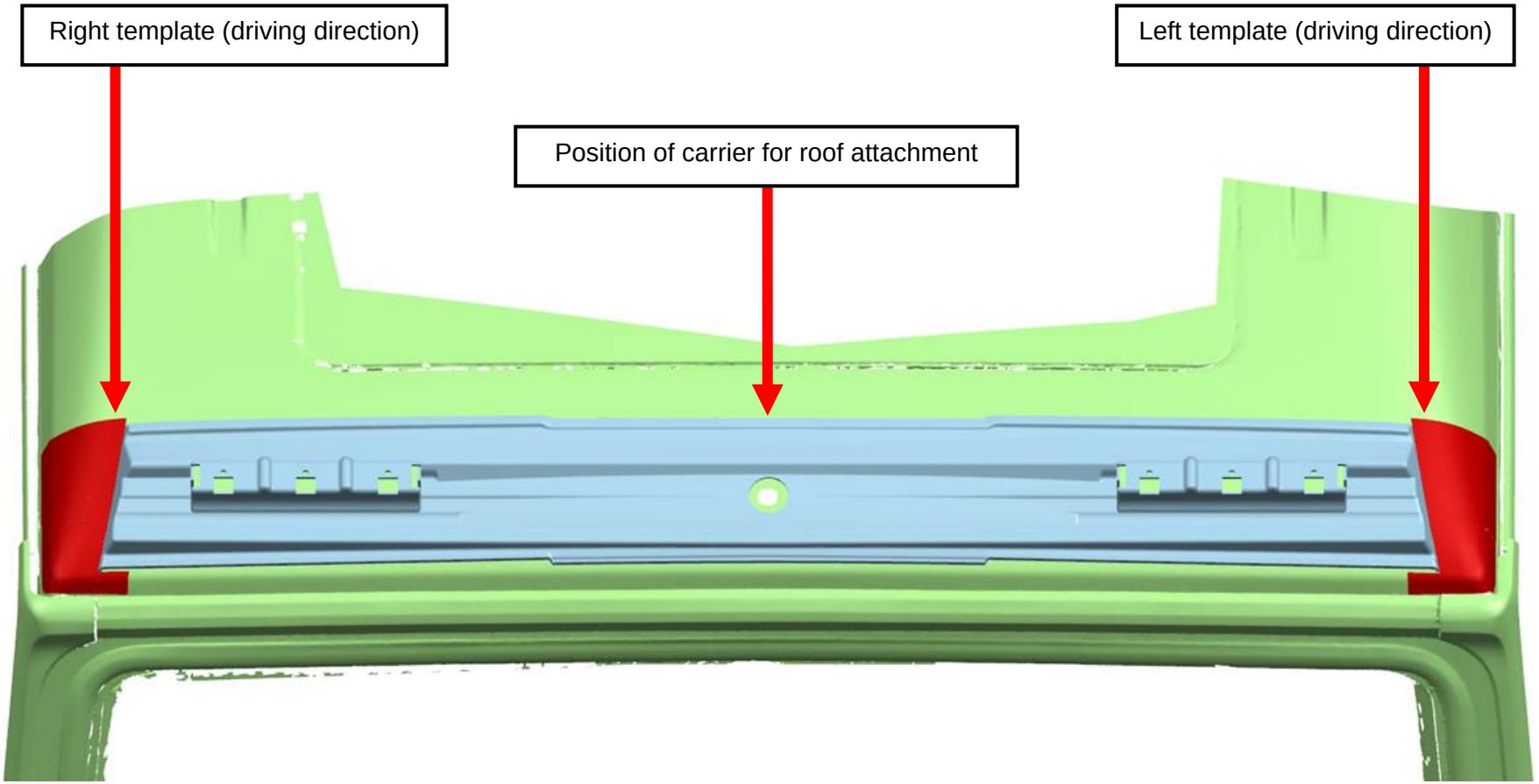
Preparation:

- 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).

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Assembly:

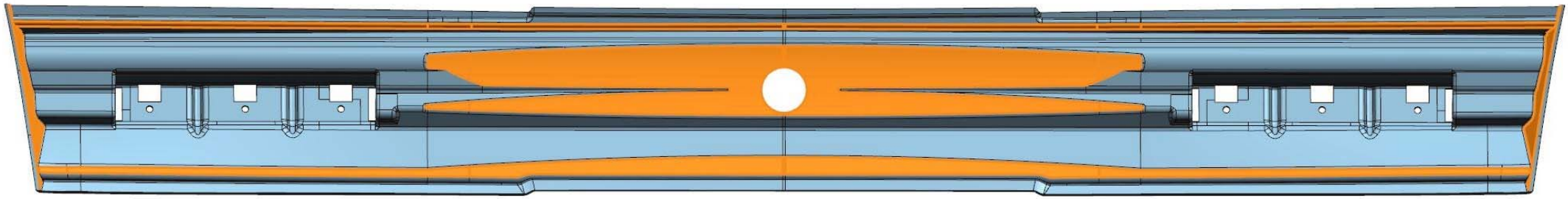
- Lay the templates supplied to the roof areas marked below, according to illustration below. Fixate them using adhesive tape.
- Lay the plastic carrier of the roof attachment to the roof, align it according to the templates.
- Mark the position of the carrier to the roof using a washable marker (along outer edges).



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- Remove the carrier and prepare the bonding areas of the roof and those of the carrier for bonding (bonding areas marked within illustration below). Take care for cleanliness and sufficiently degrease the bonding areas. Use adhesion promoter (primer), according to bonding hints.

View of carrier from below, bonding areas marked orange



- Apply even lines of adhesive to the bonding areas of the carrier. Avoid pointwise bonding! Take care not to cover the front notches of the carrier which are used for fixation of the carbon fibre roof attachment!





- Remove excessive adhesive immediately and fixate the carrier using appropriate tape (duct tape) until the adhesive is finally hardened.

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View of bonded and fixated carrier



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- Start the routing of the wiring harness behind the glovebox.

- Attach the control unit (no relais!) to the control unit socket and bond the completed socket to the area next to the CAN distributor, behind the glovebox using velcro tape supplied.

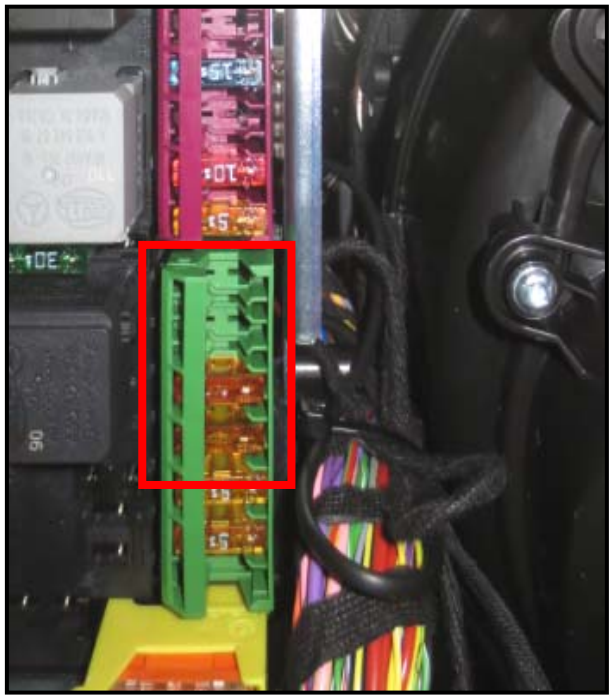
- Bolt the ground ring lug of the main wiring harness to the ground terminal shown below (within passenger footwell).

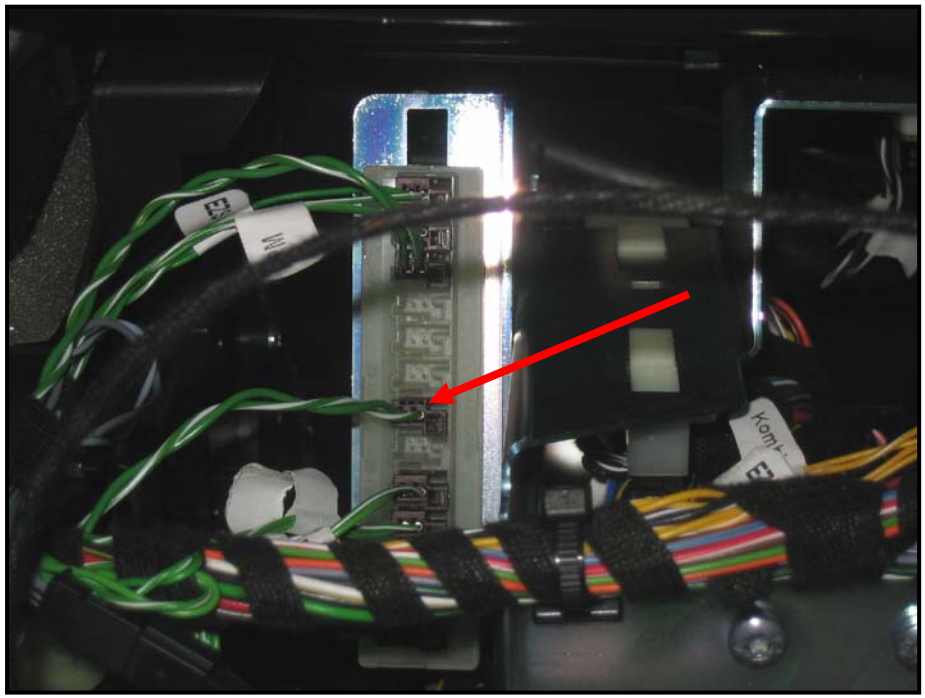


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- Route the power supply and the CAN wire up to the CAN distributor and the front SAM. Attach the constant power supply wire to slots 224, 225, 226 or 227 of front SAM. Attach the fuse supplied (5 Amps) to the fuse bracket.

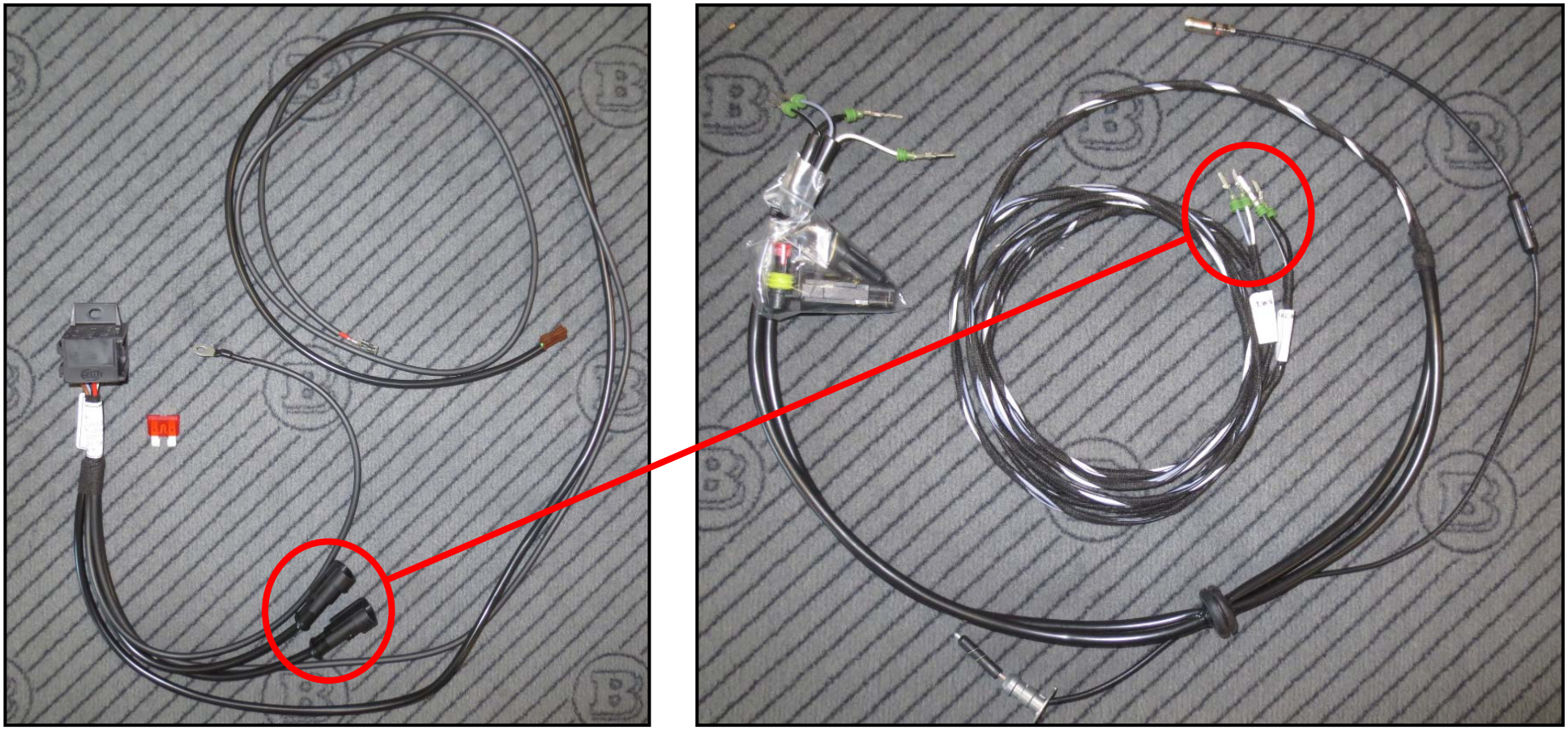
- Attach the CAN plug of the Brabus wiring harness to a free port of the CAN distributor shown. Do not connect it to the “Telematic“ CAN-distributor!





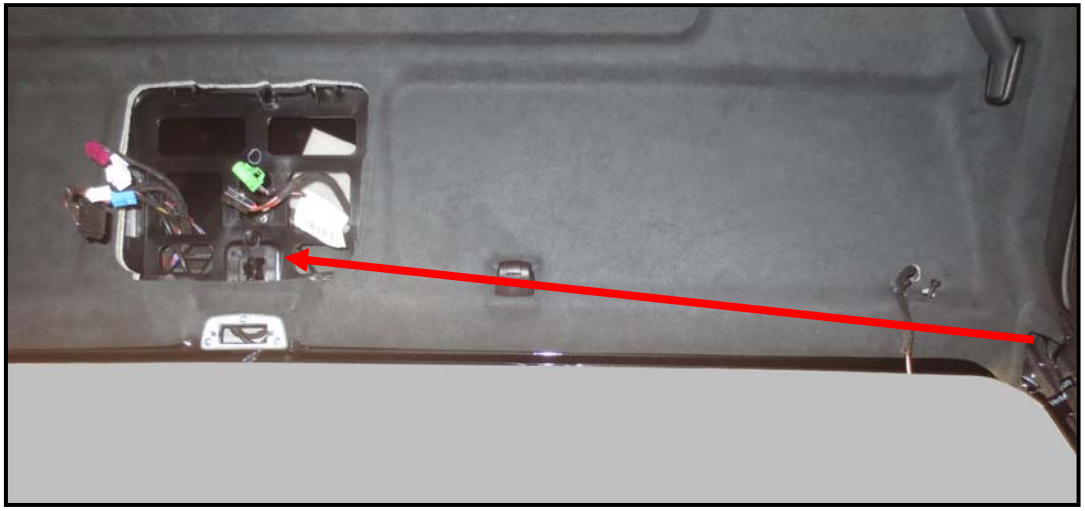
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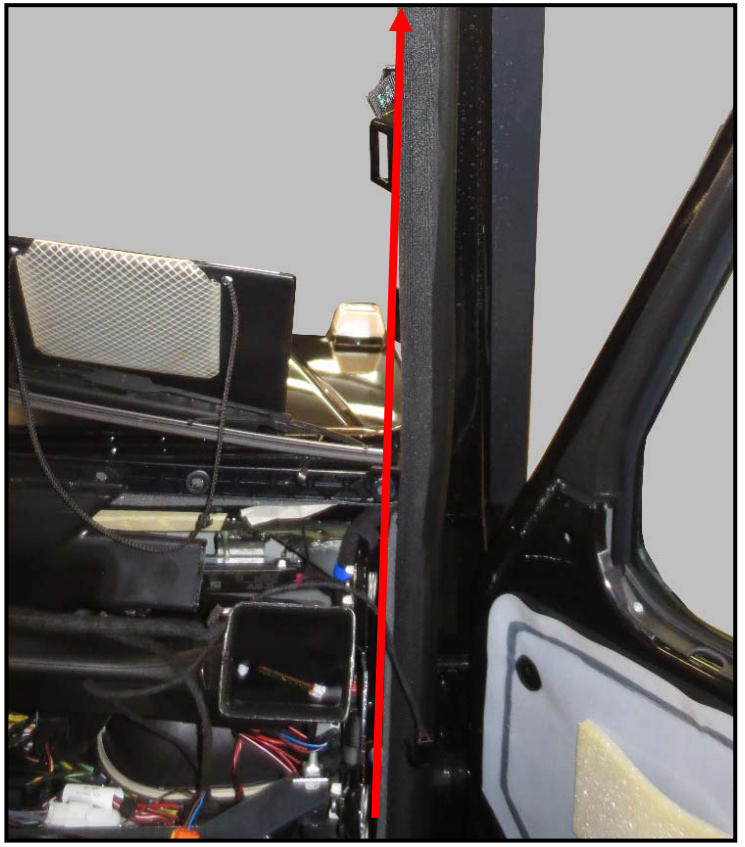
- Attach the wires of the LED wiring harness to the 2-pole plugs supplied (colour equal) and connect these to the main wiring harness.



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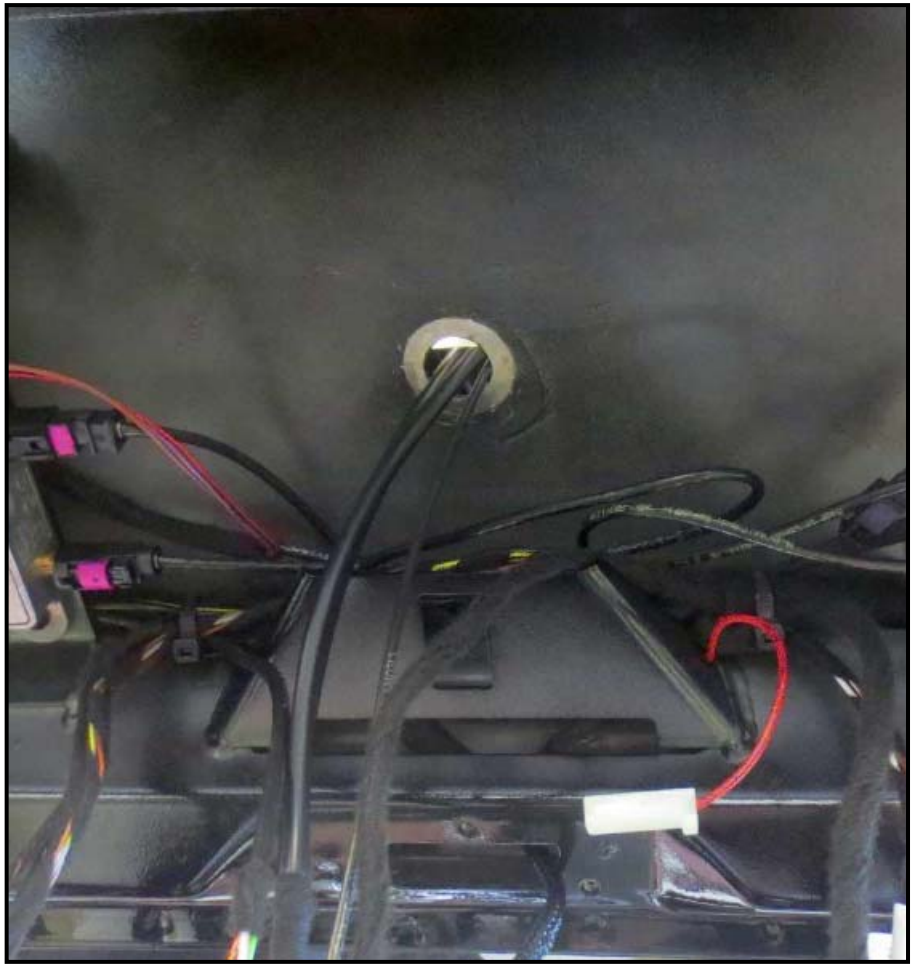
- Route the wires for the LED lamps to the right vehicle side and upward along the right a-pillar. Furthermore route it to the courtesy lamp (above roofliner).





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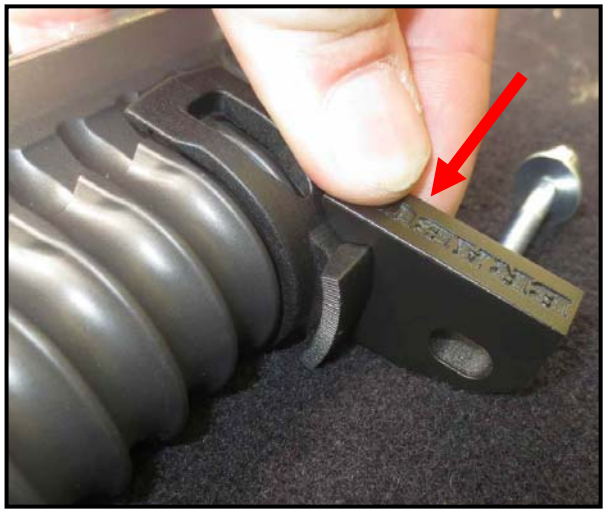
- Route the antenna and the connectors for the LED lamps through the antenna hole out, attach the rubber plug of the main wiring harness to the hole. Connect the antenna supplied to the standard antenna connector of the vehicle. Re-wrap the connection.



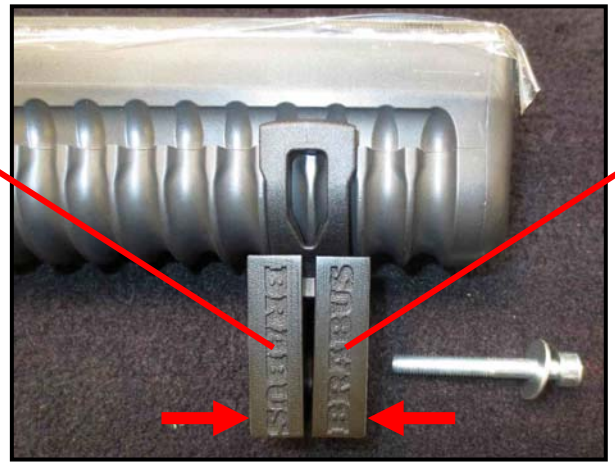


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- After the adhesive has hardened remove the fixations (tape) and sufficiently clean the roof (remove markings).
- According to images below assemble the LED lamps to the carrier using brackets supplied. The brackets article-no. 463-360-05 are used on each the left side (driving direction), article-no. 463-360-06 on the right side. Bolt the lamps to the carrier using hexagon screws M5x40 supplied.





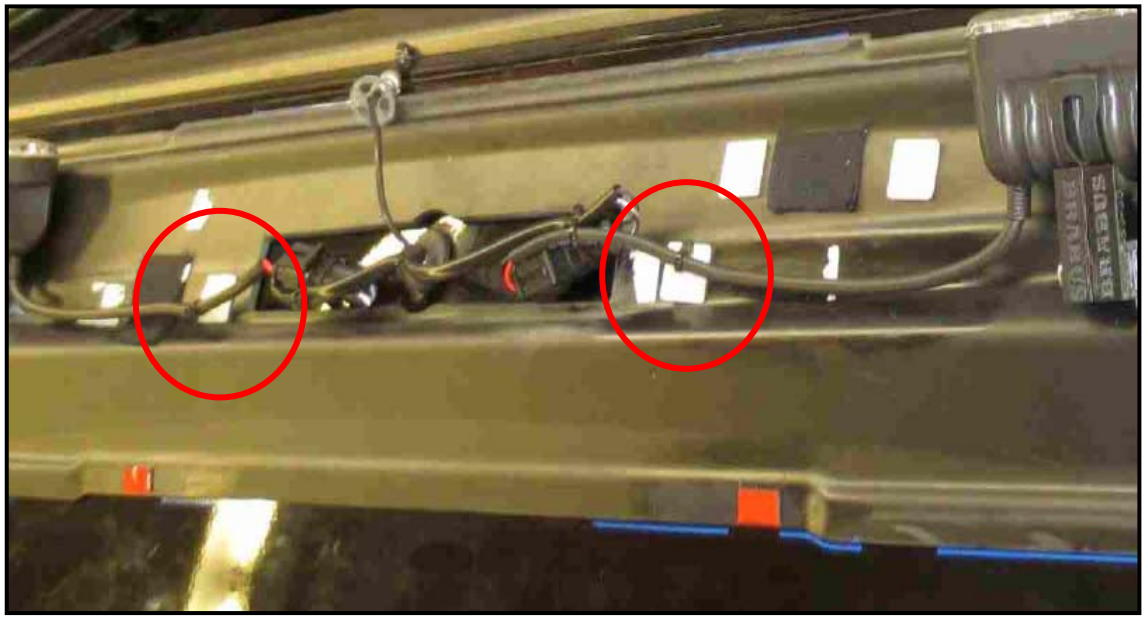


Left bracket / 463-360-05

Right bracket / 463-360-06

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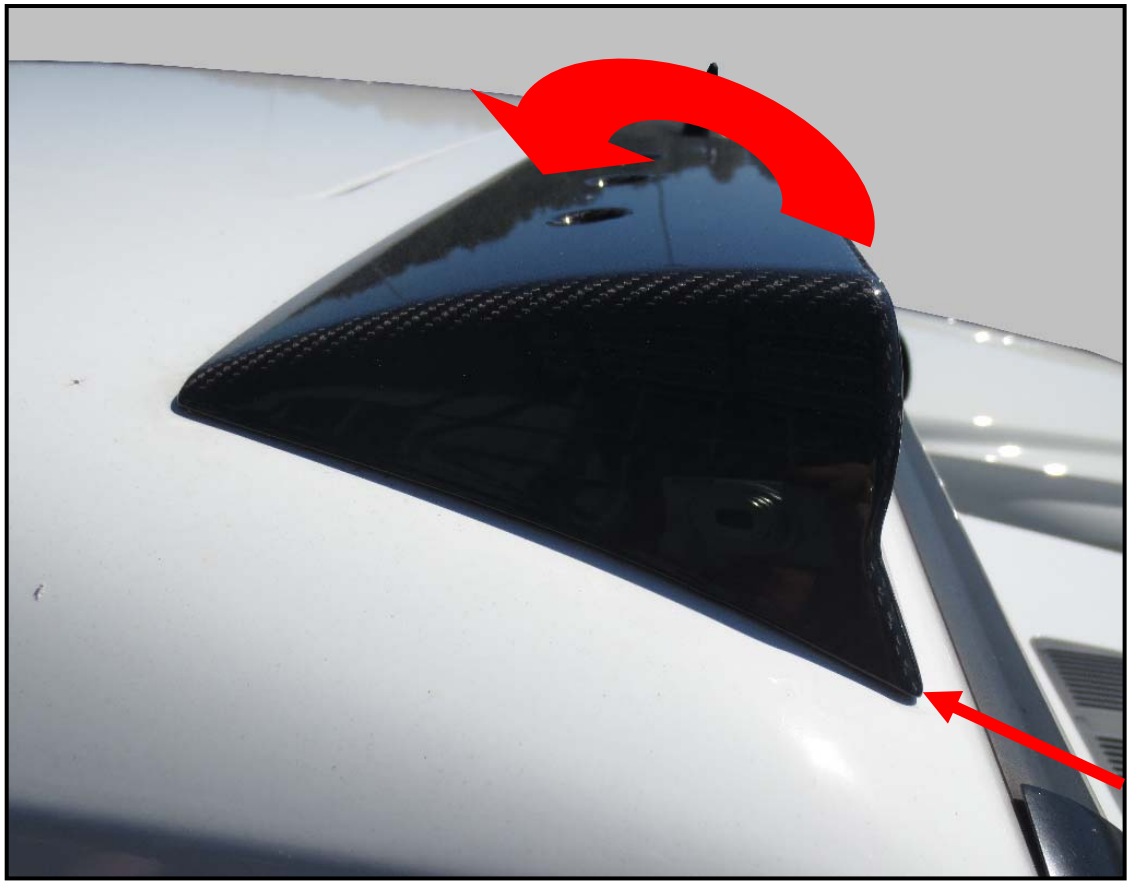
- Connect the wiring harness to the LED lamps using 2-pole plugs supplied. Make sure for appropriate routing and fixate the wires using adhesive sockets and cable ties supplied.

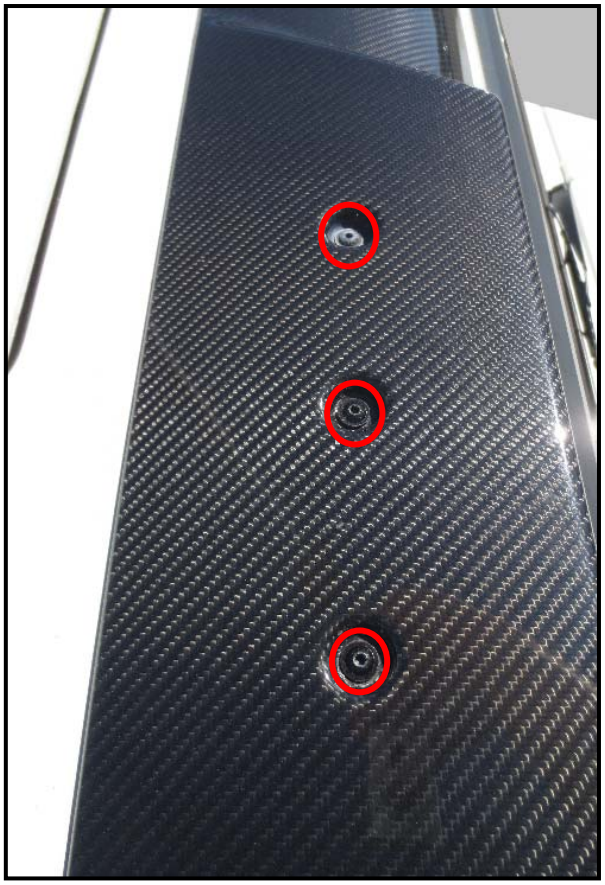


- Attach the antenna cover to the carbon fibre roof attachment. Attach the antenna to the cover and secure it using the standard plastic clip.
- Remove the red protection foils of the adhesive tape on the carrier.

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- Attach the roof attachment to the carrier by pulling the front lower latches into the front lower notches of the carrier and pulling the roof attachment over the carrier. Press the roof attachment on and fixate it by using the screws 5,3x15x1,25 supplied.





- Re-connect the vehicle battery and perform a function check (LED lamps light up when activating the standard highbeam lights) and re-attach all trim and cover parts according to Mercedes-Benz workshop guidelines.

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