

Frontspoiler W463 for G63 & G65 AMG

463-210-20

BRABUS®

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 make the installation.
Therefore you have to read and completely understand these instructions.
Check the content of the parts supplied prior to assembly.

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 brackets, (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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Included in delivery:

Quantity:	***Description:***	***Part-no.:***
1x	Frontspoiler	463-210-01
1x	DRL wiring harness	463-210-29
1x	LED lights	000-TLB-LA6
1x	Adhesive set	B28/008
1x	Set of illuminated badges	000-001-02
1x	Assembly kit	463-210-08
12x	Screw M6x10	
12x	Washer	
10x	Tapping screw 3,9 x 13	

Additionally required:

1x	Set of front fender attachments	463-285-00_10



Attention!

In order to prevent a malfunction of the LED lamps the main power supply of the control unit should not be connected before the other electrical connections have been established.

Hint: Check the fitment of the frontspoiler prior to painting, re-work if necessary!

Preparation: Remove the frontbumper, the headlamp frames, the radiator grille and both front wheelarch-liners.

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Attention!

Remove the standard wires of the frontbumper prior to realizing the cutouts in order not to damage these. The wires are routed within the cutting areas from the factory!



Assembly:

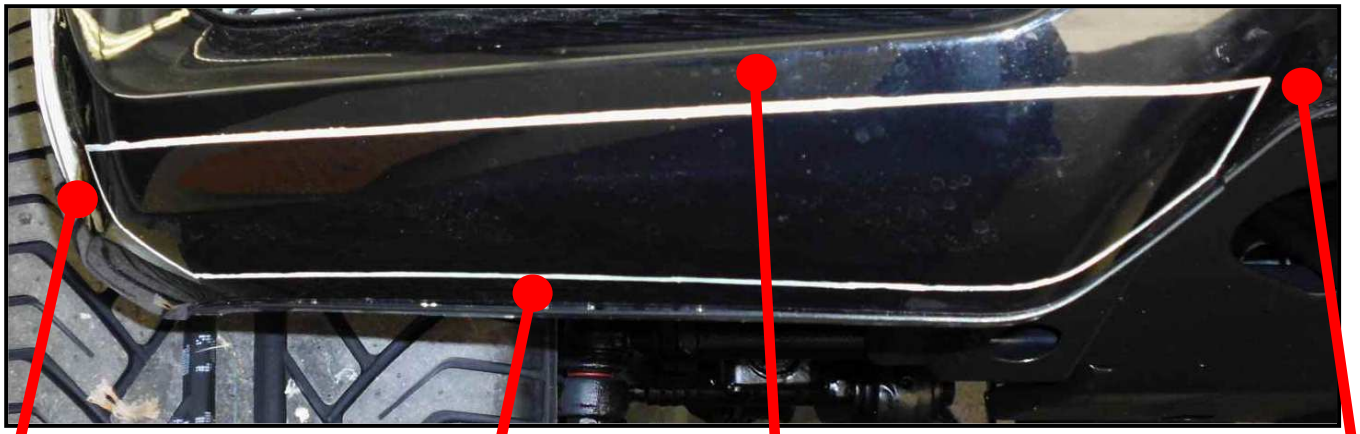
- Remove the standard foam inserts.
- Mark the areas to be cut out according to measurements next page.

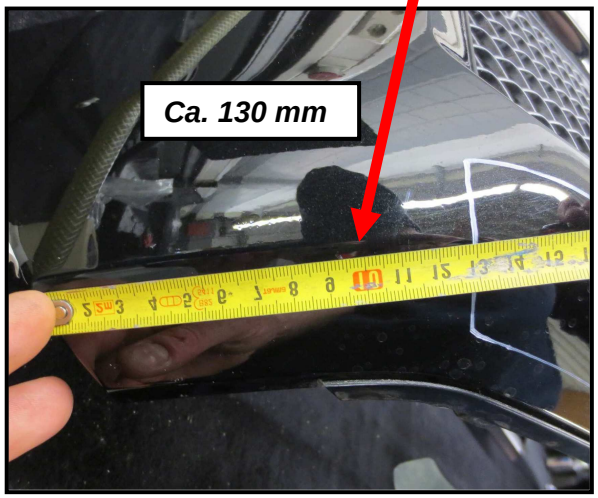


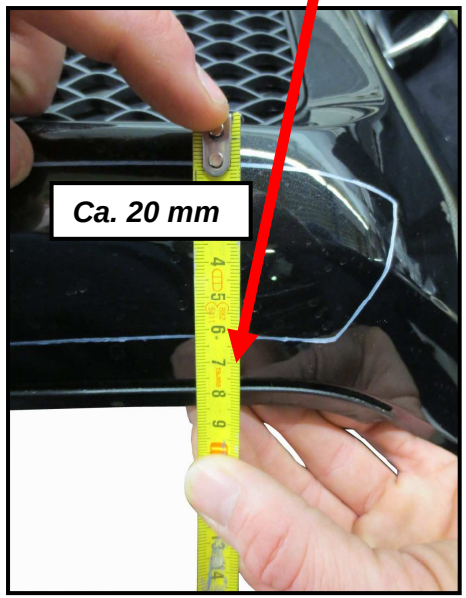


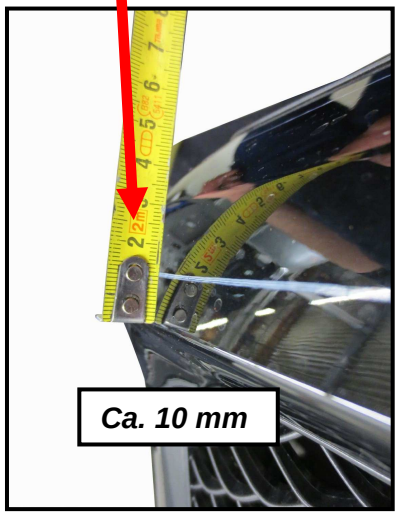
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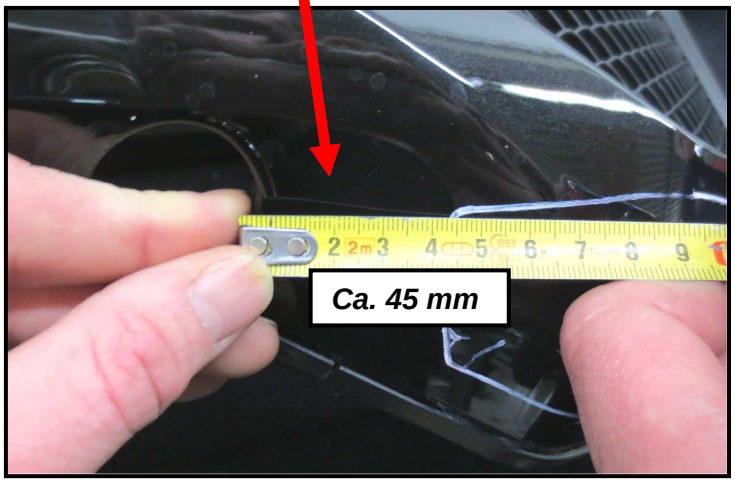
- Cut the marked areas out using a suitable tool (oscillating saw, for example). Deburr the cutting edges. Realize the cutouts smaller than marked, enlarge the cutouts until the frontspoiler fits flush to the frontbumper.





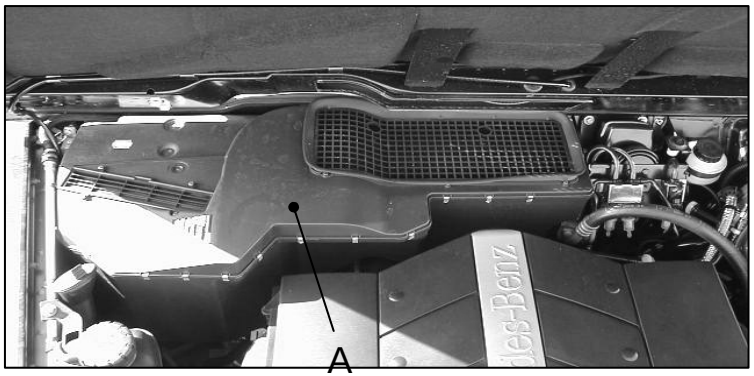






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- Complete the frontbumper and attach it back to the car.
- Open the bonnet and remove the fan housing shown (A).



- Loosen the right lower dashboard cover (below glovebox).
- Remove both headlamps.
- Attach the brackets shown to the control units.

Screw M5x10mm

Nut M5 (lock nut)

Screw M5x16mm

Nut M5 (lock nut)



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- Remove the standard tapping screws and the brackets and replace these using screws supplied (M5x16).
- Bolt the left and right control unit to the areas shown.

Driver side

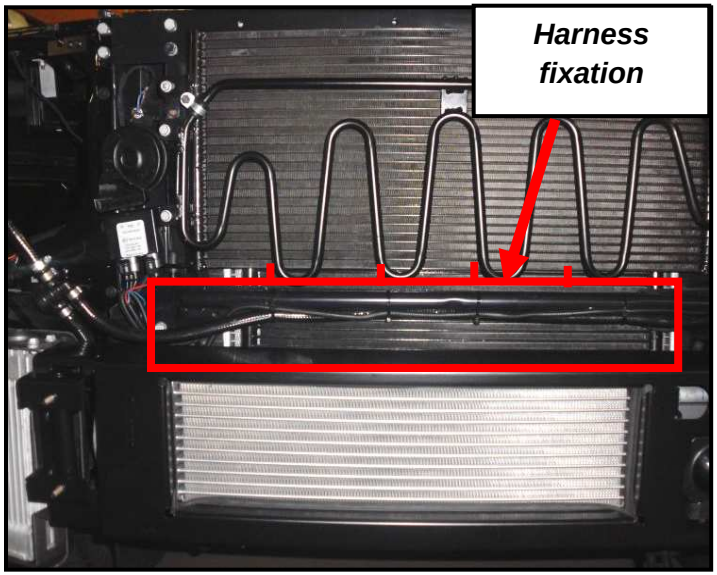


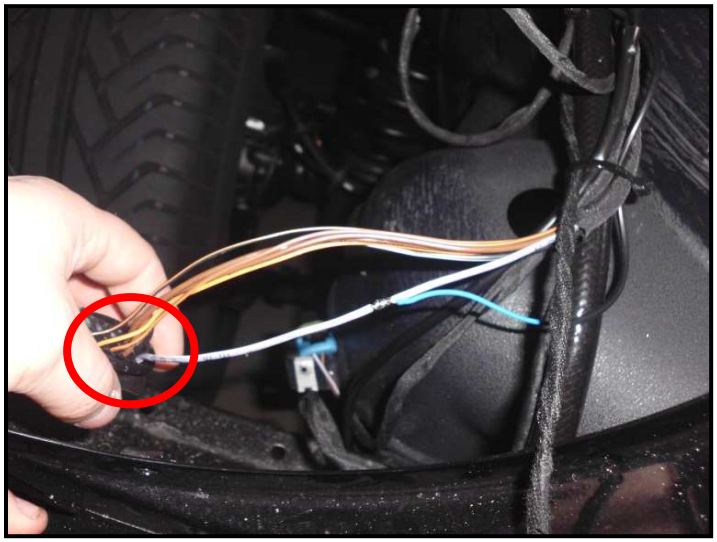
Passenger side



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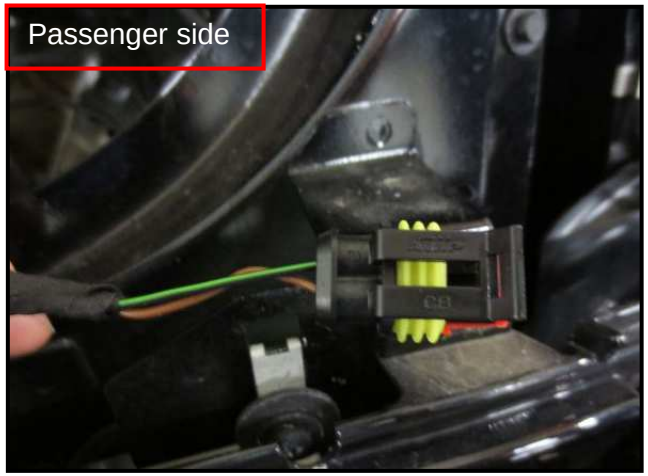
- Connect the 5-pole plug of the wiring harness to the control unit on the drivers side.
- Route the 2nd plug to the passenger side, fixate the wiring to standard wirings using cable ties.
- Connect the 5-pole plug of the wiring harness to the control unit on the passenger side.
- On the passenger side solder the blue wire to the grey-white standard wire out of Pin 1 of the right headlamp plug. Isolate the soldered area.
- On the drivers side solder the blue wire to the yellow-black standard wire out of Pin 1 of the left headlamp plug. Isolate the soldered area.

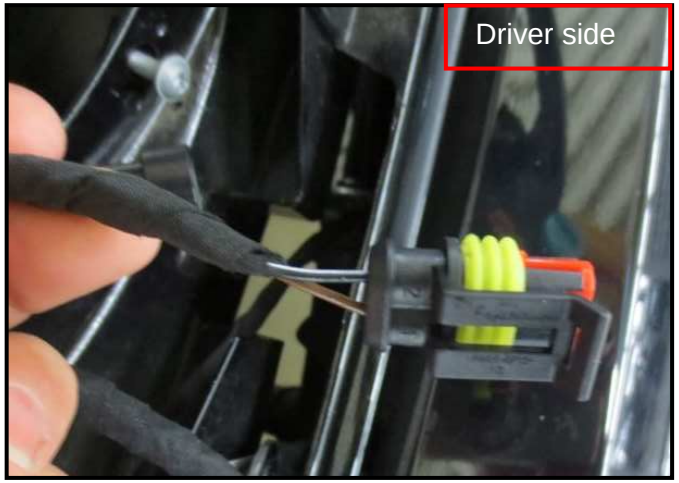




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- Remove both direction indicators of the front fenders, cut off the plugs and remove the rubber plugs.
- Attach the wires of the direction indicators to the 2-pole plugs supplied.





Attention

PIN 2 direction indicator signal

PIN 1 ground

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- Attach the resistors supplied to the standard assembly areas within the front wheelhouses according to image.

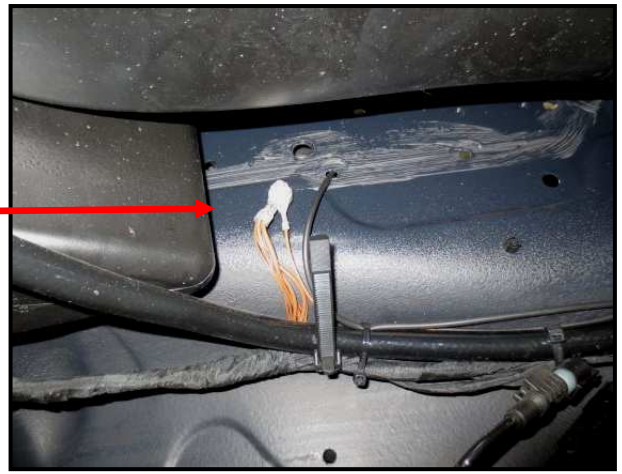
Screw M6x16

Nut M6 (lock nut)

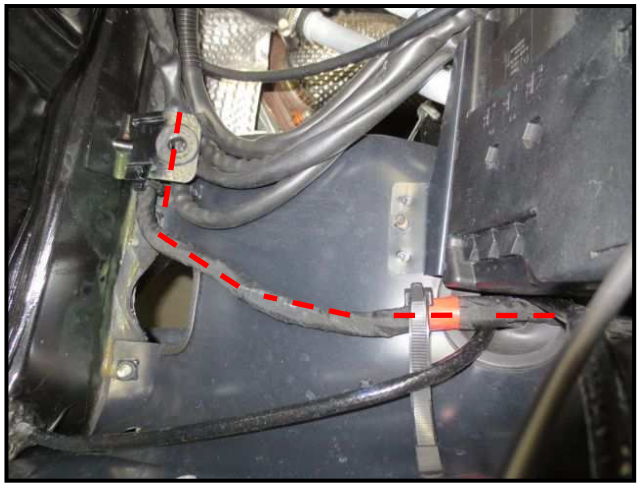


- Connect the 2-pole plugs of the direction indicators to the resistors.
- Connect the outputs of the resistors (1-pole) to the Brabus harness.
- Route the red-green and the brown wire into the right wheelhouse. Bolt the ground ring lug to the earth terminal shown.

Ground terminal within right wheelhouse



- Route the red-green wire through rubber grommet shown.

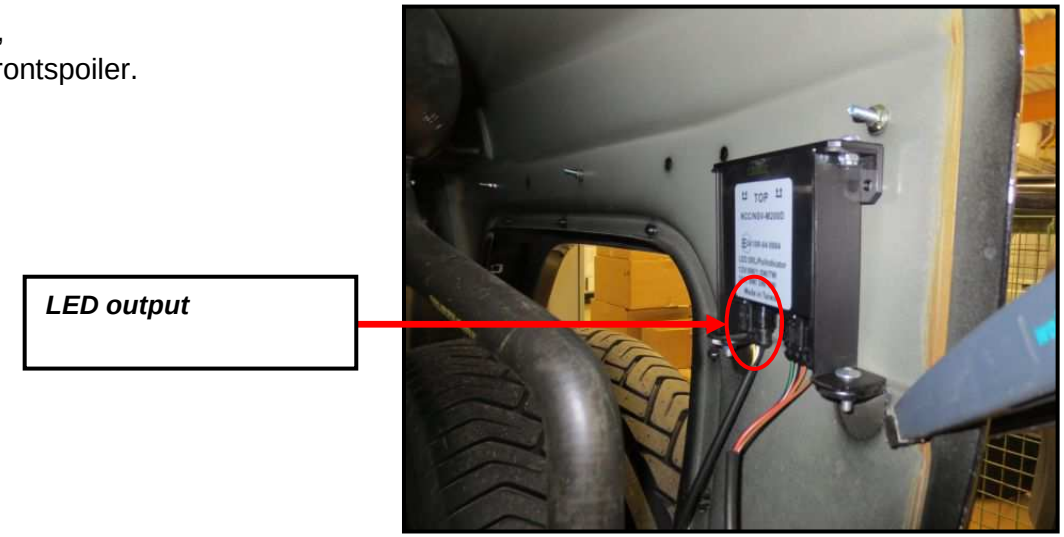


- Remove the cover shown within the engine bay to be able to route the wire into the car. Carefully cut the rubber grommet and route the wire into the car.



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- Connect the adapter harness supplied to the control units,
  route the 3-pole plugs down to the assembly area of the frontspoiler.



- Bolt the LED lights to their brackets.

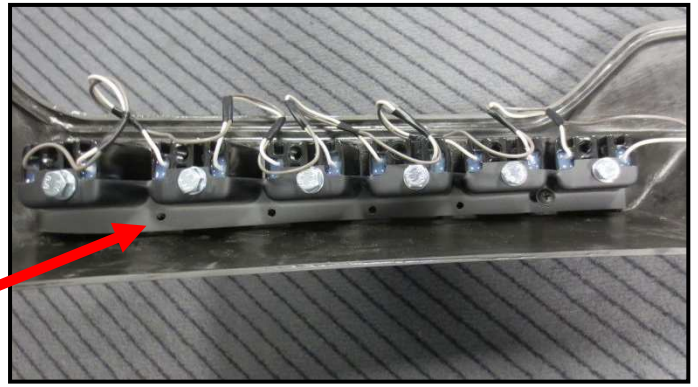


- Attach the chrome frames to the LED lights.



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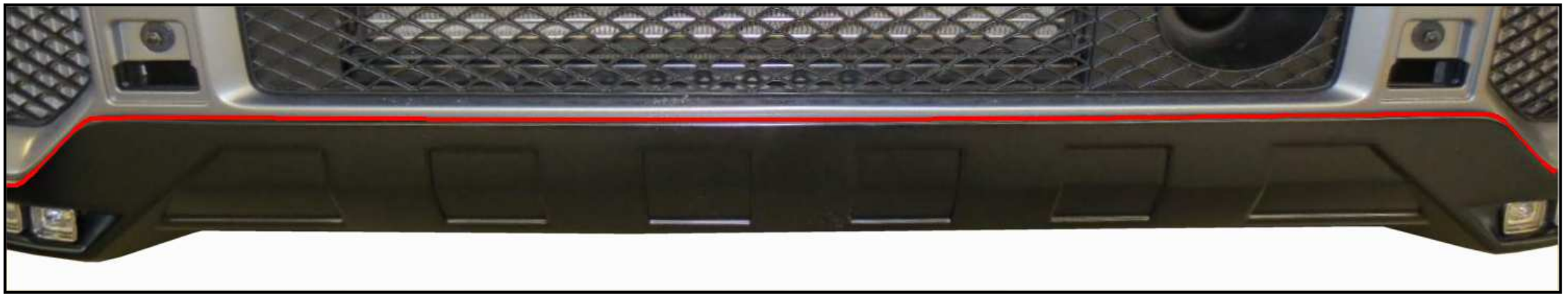
- Bolt the daytime running light units to the frontbumper.

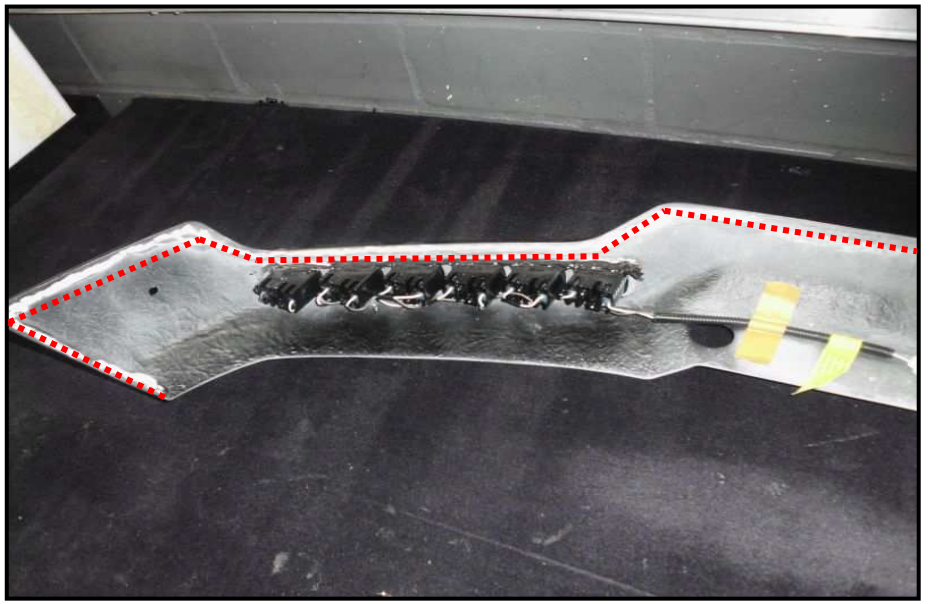


- Hold the frontspoiler to the frontbumper. Align it and mark the outer edges to the frontbumper using a washable marker.

- Prepare the bonding areas of the frontbumper and those of the frontspoiler for bonding according to hints on page 2.







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- Attach an even line of adhesive to the bonding edges of the frontspoiler. Connect the daytime running light-plugs to the daytime running lights and attach the frontspoiler flush to the frontbumper according to previously made marks. Fixate the frontspoiler using suitable adhesive tape until the adhesive is finally hardened.

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Attention!
Remove excessive adhesive immediately!

- Route the wires of the illuminated badges through the holes according to image. Disgrease the surfaces of the frontspoiler and attach the badges to the recesses. Take care for correct alignment.
- Connect the wires of the illuminated badges to the outlets of the voltage converters supplied.
- Attach the voltage converters to standard wirings within the front wheelhouses using cable ties and route the power supply wires of the voltage converters to the daytime running light control unit.



- Solder the power supply wires of the inverters parallel to the wires which are coming out of the interior (daytime running light control, red to red-green, black to brown). Sufficiently isolate the soldered areas.
- Attach the pin of the red-green wire to port 224 of the SAM (right side below dashboard)
- Attach the 5Amp-fuse supplied to the fuse port.
- Perform a function-check and re-attach all cover parts.

Attention!

When after the installation has been finished on one or both sides the LED lamps are not operational, a reset of the electronic control units is required.

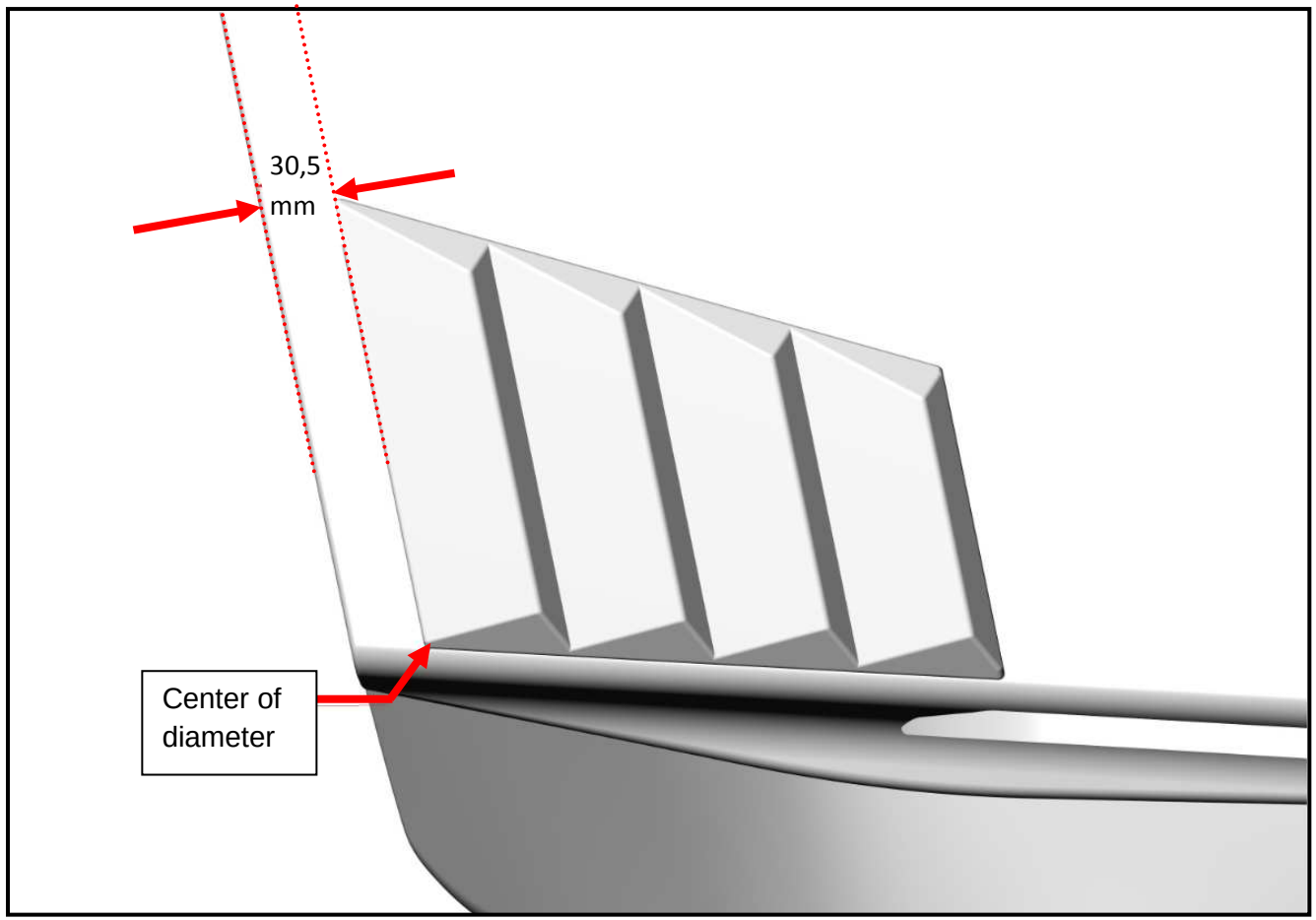
Please proceed as follows:

1. Switch on the ignition and switch the headlamps on and off for 6 times within 10 seconds. Leave the headlamps switched off.
2. Wait until the LED lamps in the frontspoiler slowly light up once white and once yellow (as confirmation the 1st point has been correctly performed).
3. Again switch the headlamps on and off for six times within ten seconds after the LED lamps have lighted up. Leave the headlamps switched off.
4. Wait until the LED lamps again slowly light up once white and once yellow and, as confirmation the reset has been correctly performed, then fastly light up once white, once yellow and again once white. The control unit then is adjusted to the correct number of LED modules.



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- Hold the fender attachments to the front fenders according to illustration below.
- Mark the position of the fender attachments to the fenders using a washable marker.



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- Prepare the bonding surfaces of the fenders and the bonding areas of the fender attachments according to bonding hints.
- Apply a thin and even line of adhesive to both, the bonding surfaces of the fenders and the bonding areas of the fender attachments.
- Fixate the fender attachments until the adhesive is finally hardened using appropriate adhesive tape.

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