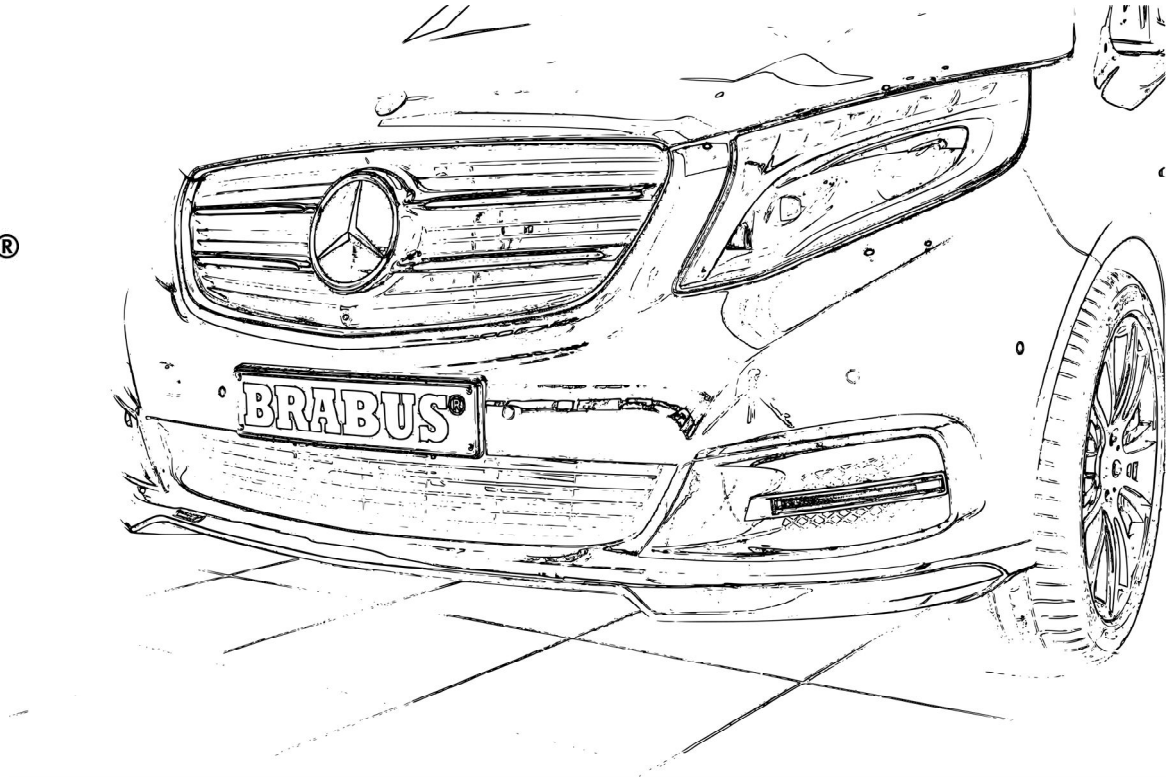
Brabus-Frontbumper attachments including daytime running lights for V-Class, type 447
Article-no. 447-210-TFL

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 supplied parts 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 degreased.

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!

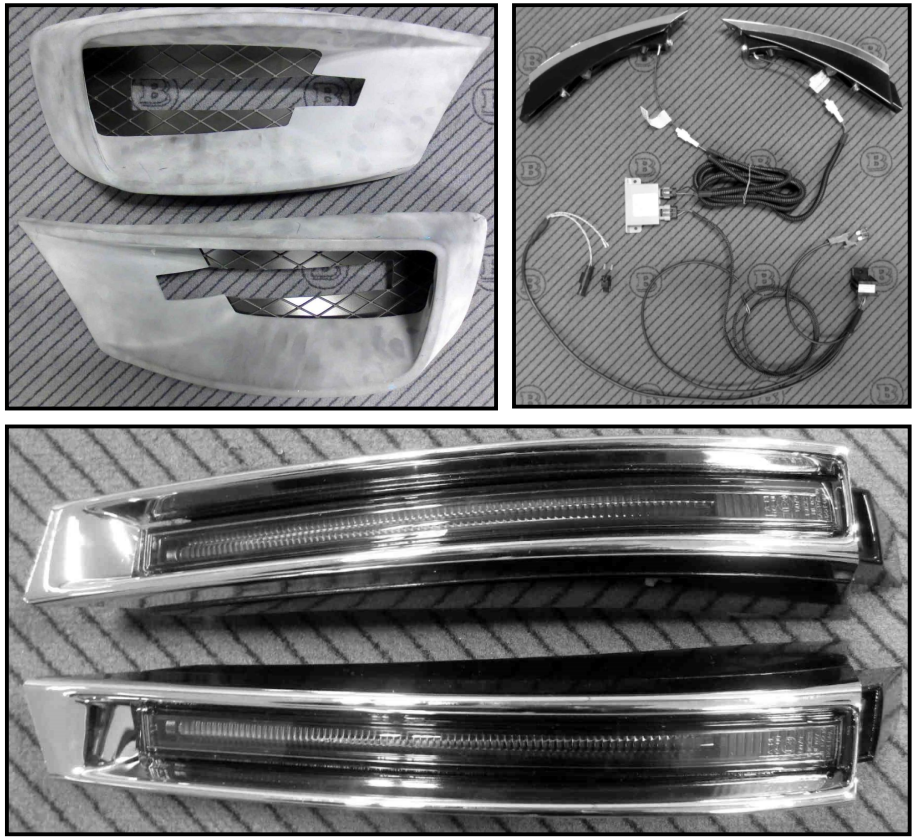
Take care not to apply the primer to areas which are still visible after bonding, apply up to 5mm away from the markings!

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

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Included in delivery:

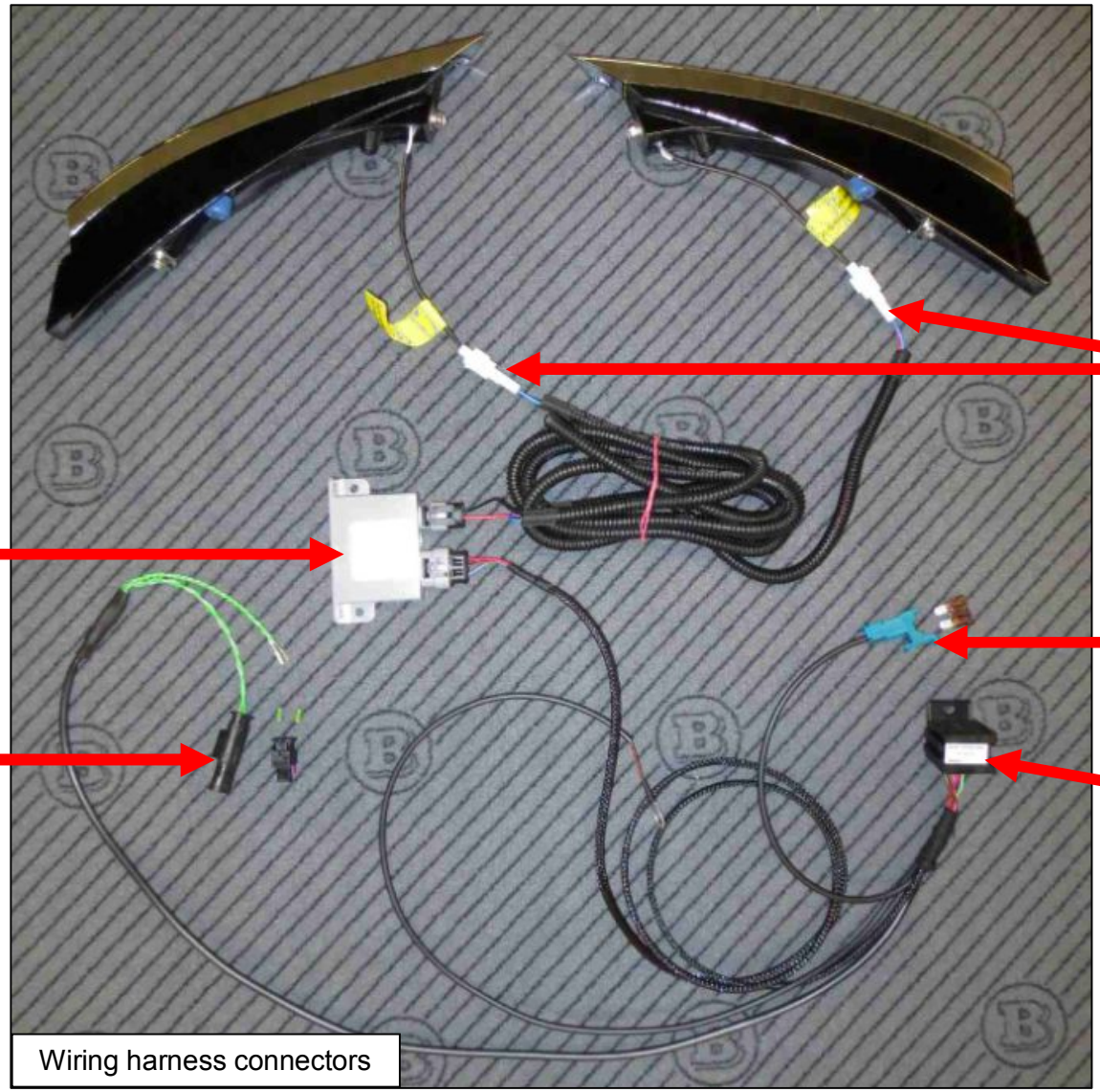
1x	Left DRL bracket, chrome-plated	447-210-23
1x	Right DRL bracket, chrome-plated	447-210-24
1x	Daytime running lights, pre-assembled	000-TFL-SLS
1x	Left carrier	447-210-11
1x	Right carrier	447-210-12
1x	Adhesive kit	B28/000-8
1x	DRL electronic control unit	447-900-00
1x	DRL wiring harness	447-900-10
1x	Metal bracket	447-210-15
1x	Left trim grill, pre-assembled	447-210-03
1x	Right trim grille, pre-assembled	447-210-04



Remove the trim grilles prior to painting the frontbumper attachments.

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Electrical connections of wiring harness and CAN-control unit



Connectors for DRL lights

DRL control unit, assembled to front cross member

Fuse bracket for power supply, to be attached to front fuse and relay panel (according to instructions)

CAN-connectors, connected to control unit plug „F“ (according to instructions)

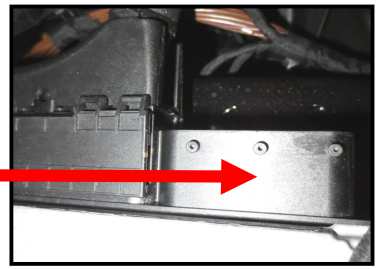
Control unit socket for DRL control unit – stowed within front fuse and relay box

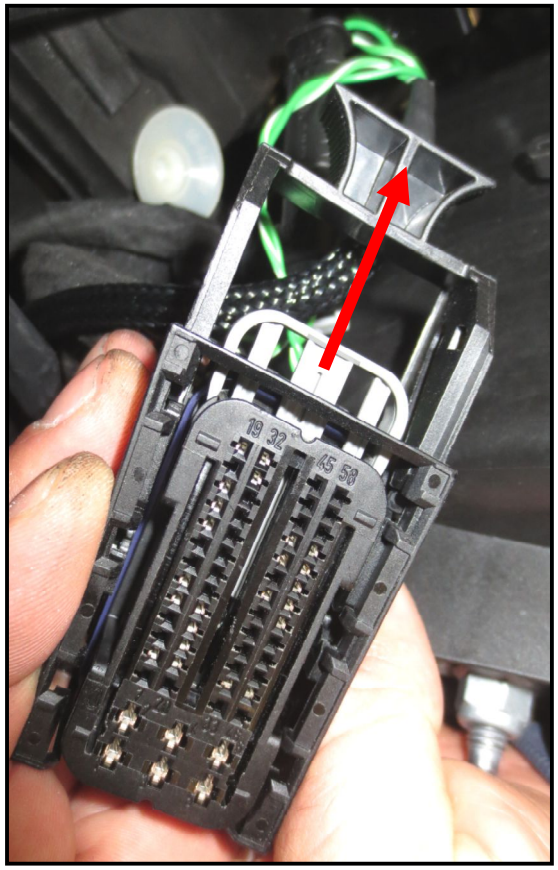
Wiring harness connectors

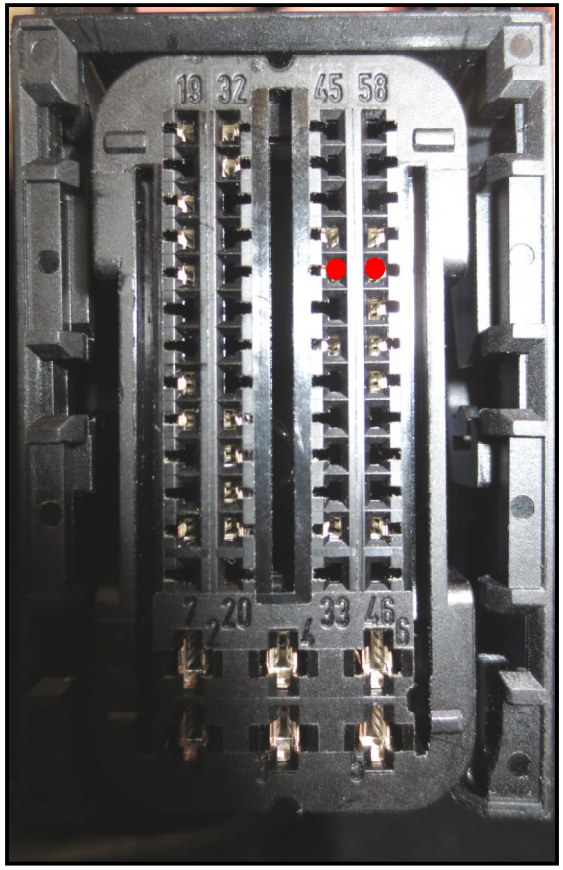
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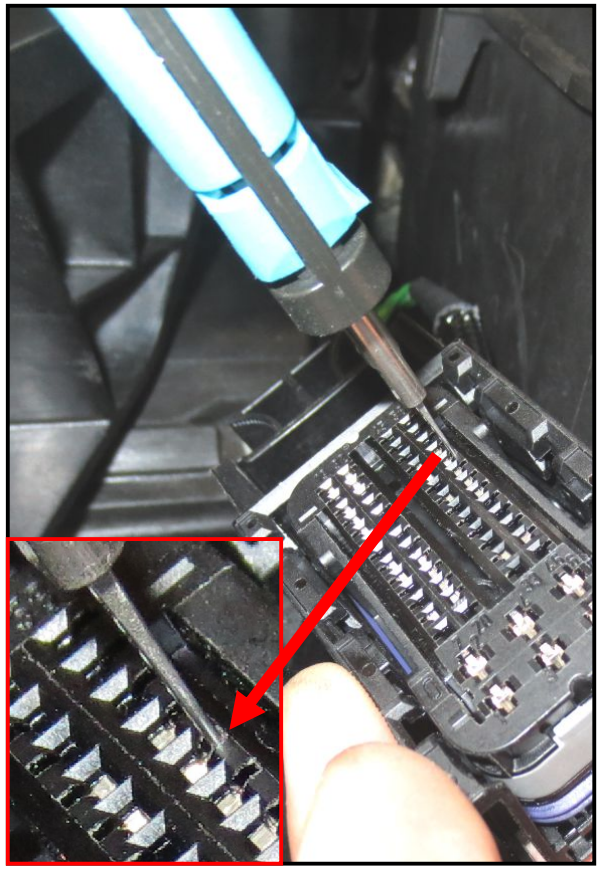
Disconnect plug „F“ of engine control unit, remove plastic cover. Release and remove grey lock.

Carefully release pins 41 & 54 (CAN high & low) using unlocking tool supplied.







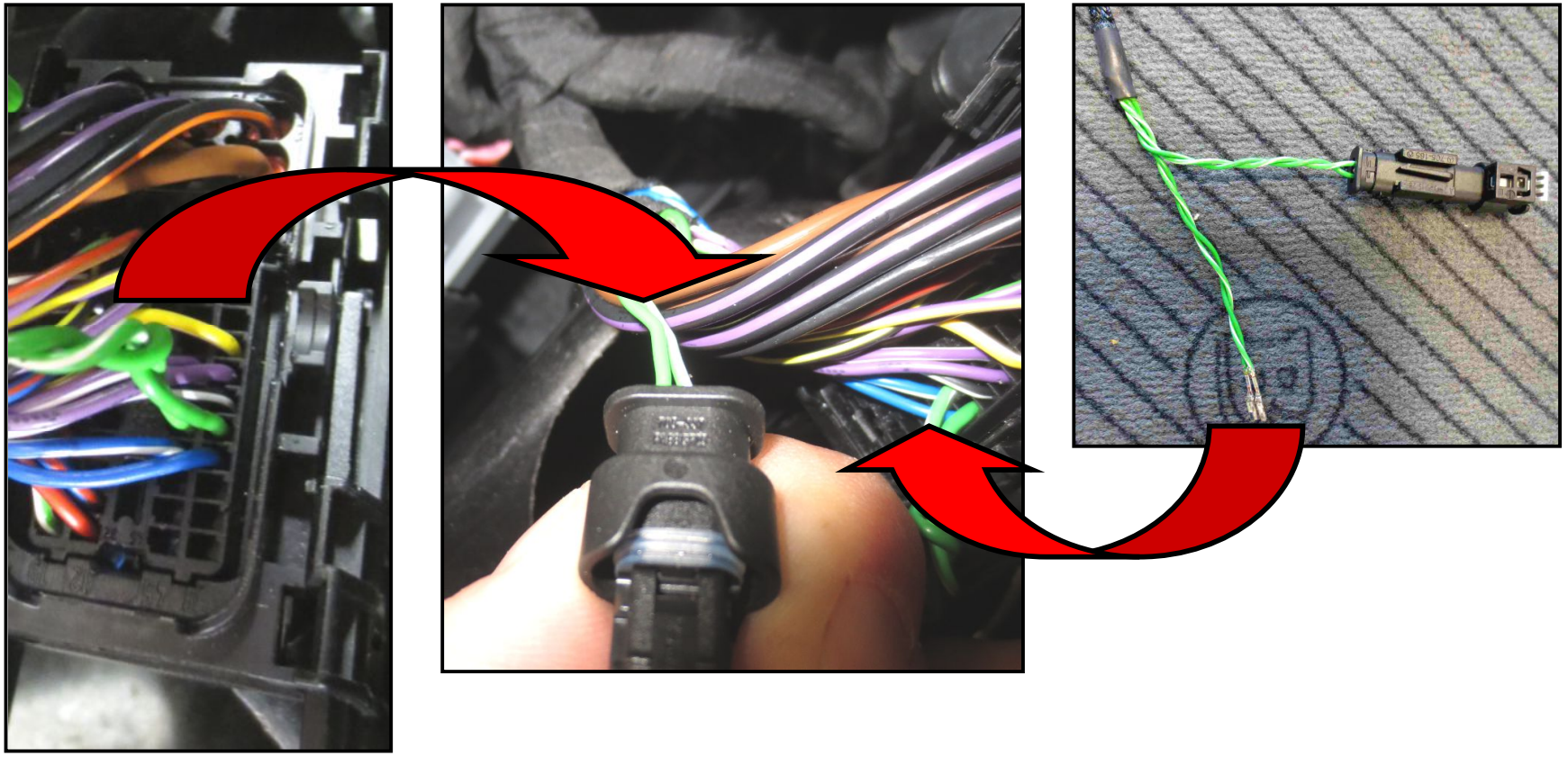


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Route wiring harness to fuse and relay - box.

Attach standard green and green/ white CAN – wires out of pins 41 & 54 to 2 – pole plug supplied. Connect plug to PowerXtra – wiring harness Take care for correct polarity! Attach green and green7 white wires of PowerXtra – wiring harness to the free slots 41 & 54 of engine control unit – plug “F”.

CAN – High = Pin 41 (wire colour green/ white)
CAN – Low = Pin 54 (wire colour green)

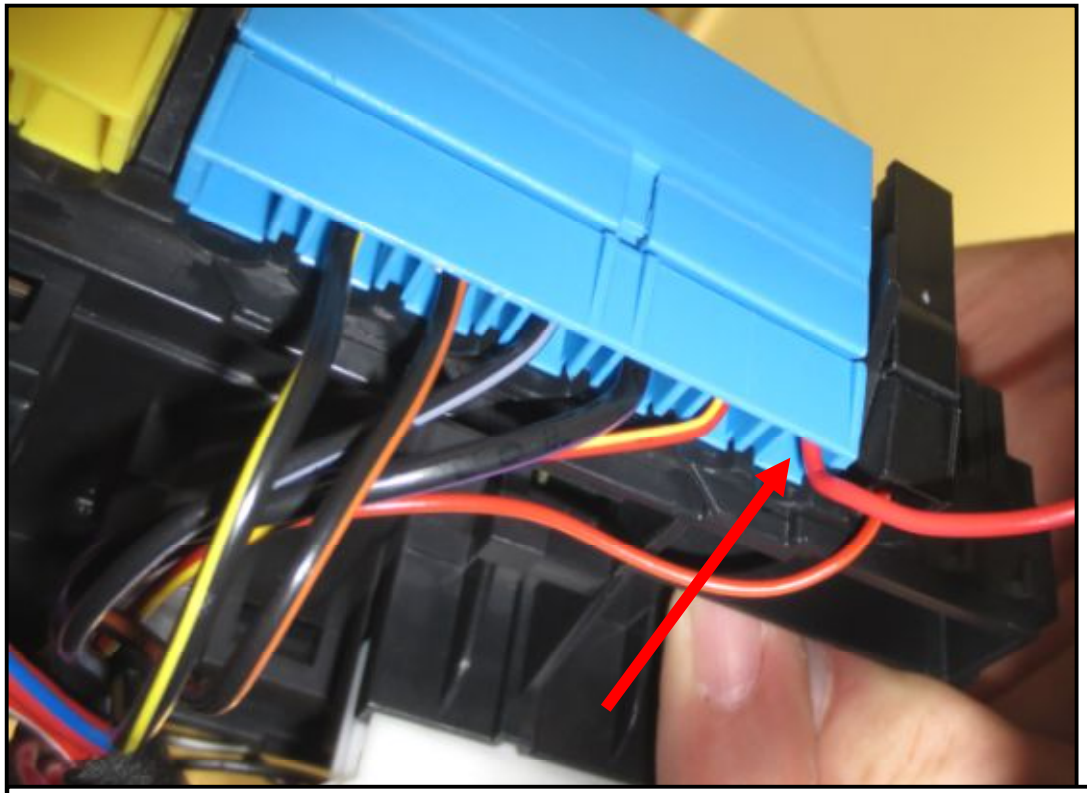


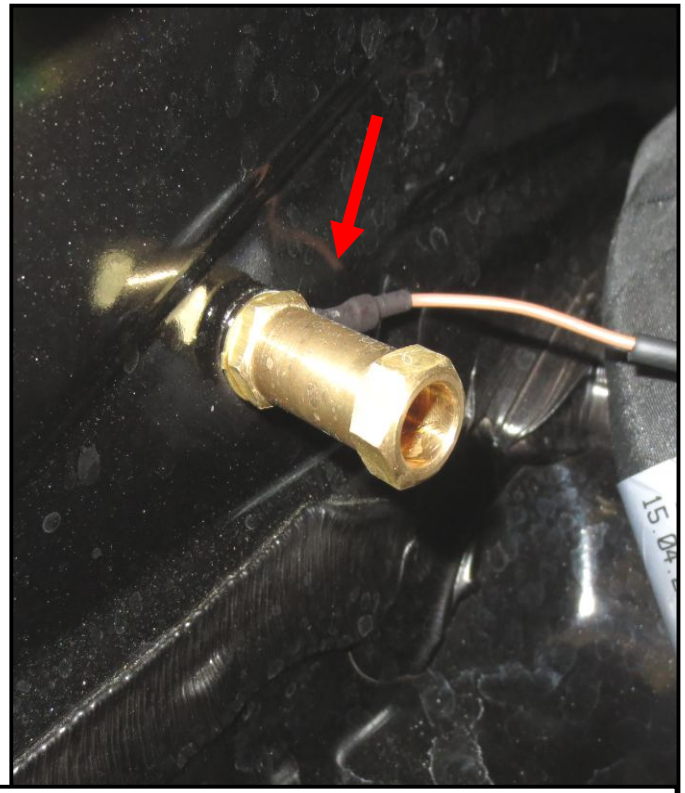
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Carefully cut the rubber grommet of the fuse and relay – box and route the red wire for constant power supply through it and into the fuse and relay – box.

Attach the fuse bracket to port shown (constant power supply) and attach the fuse supplied (5 Amps) to it.

Bolt the ground ring lug of the PowerXtra – wiring harness to the ground terminal shown (next to fuse and relay





Connect DRL connectors to daytime running lights, route the wire for the left daytime running light to the left vehicle side, along front crossmember. Fixate wiring harness to front crossmember or standard wirings using cable ties.

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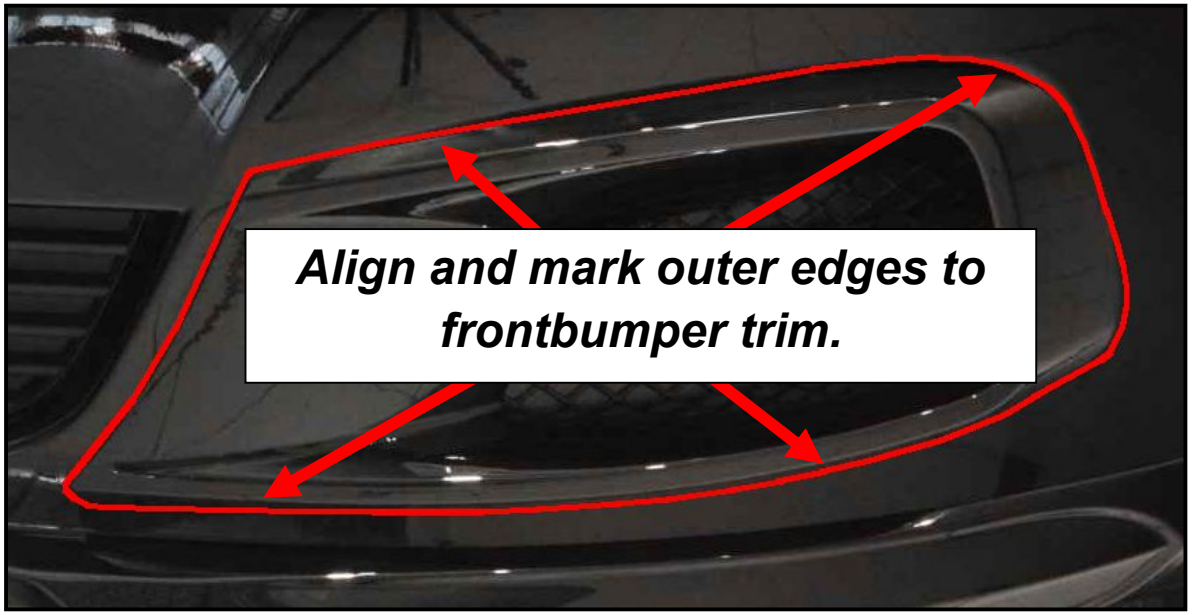
Fixate daytime running light control unit to front crossmember (to standard threaded bolt, behind crossmember).



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Preparation:

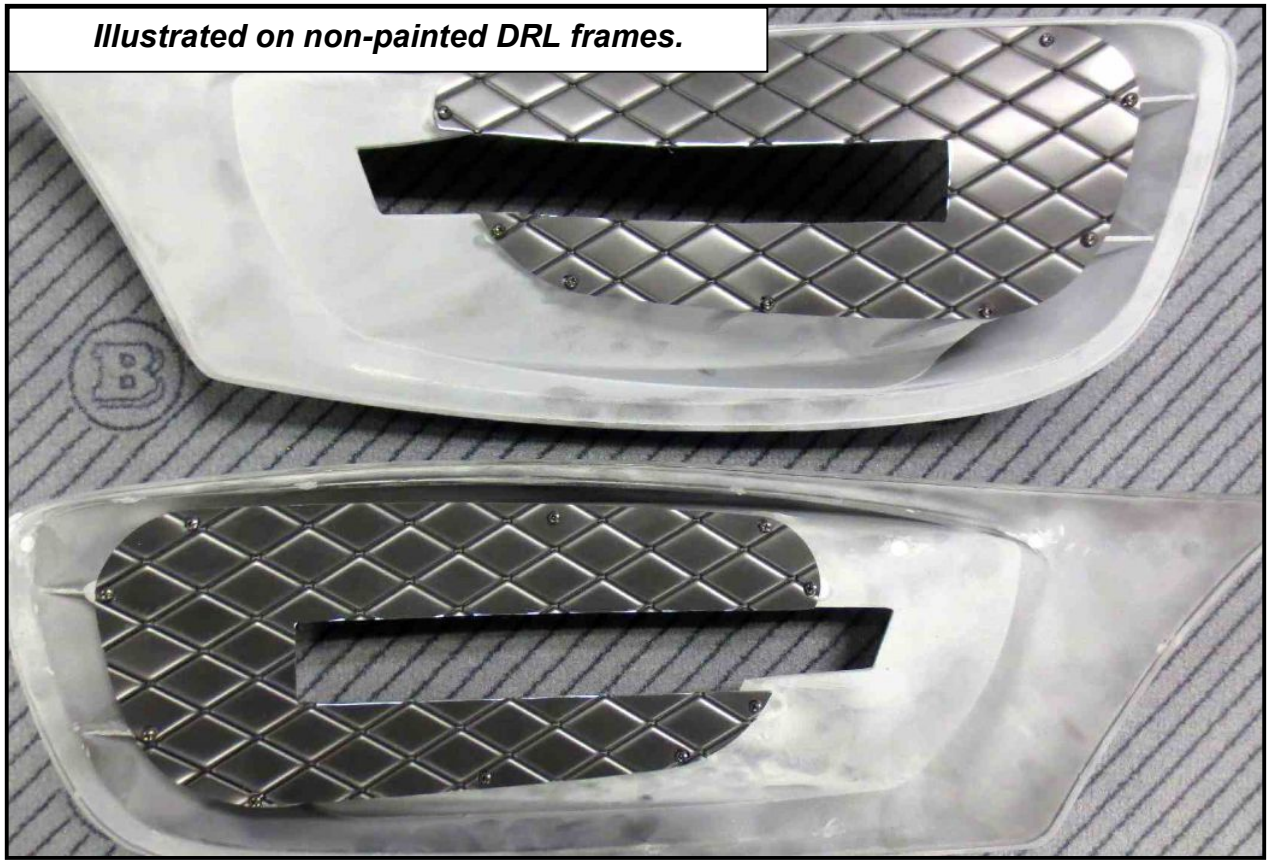
- Remove the frontbumper according to Mercedes-Benz workshop instructions.
- Remove the outer standard trim grilles of the frontbumper.
- Hold the Brabus Frontbumper attachments to the front ducts of the frontbumper. Align these and mark the outer edges of the attachments to the frontbumper using a washable marker.





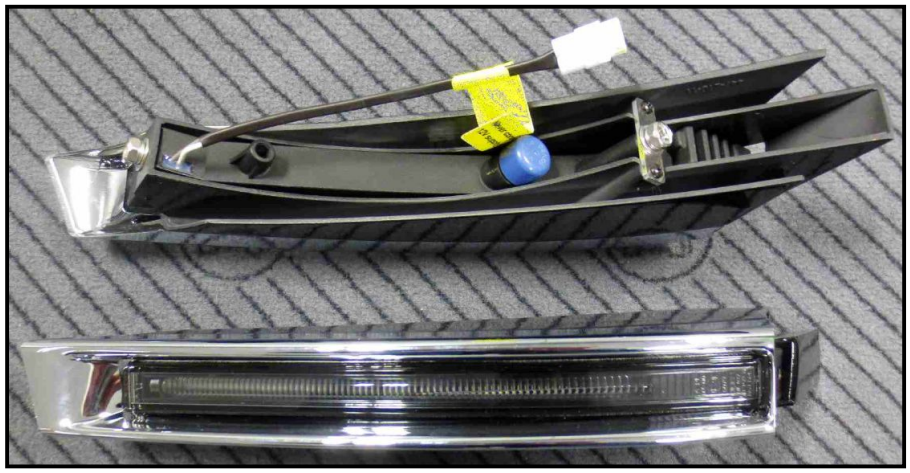
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- Attach the trim grilles to tha daytime running light frames.

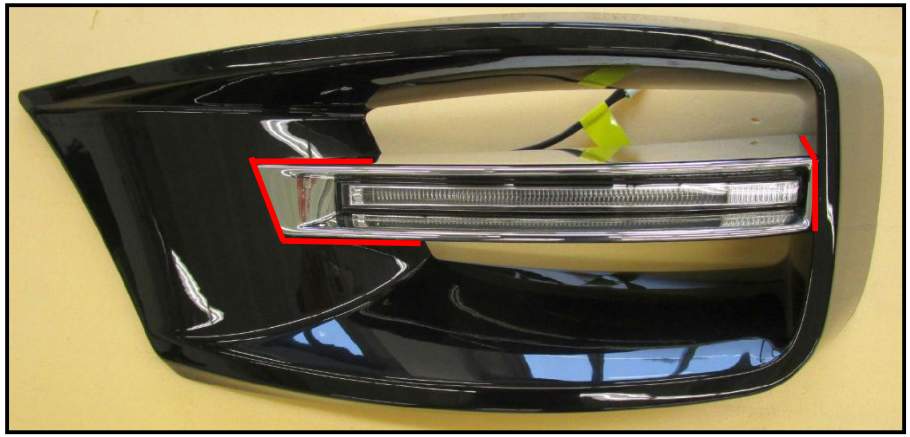


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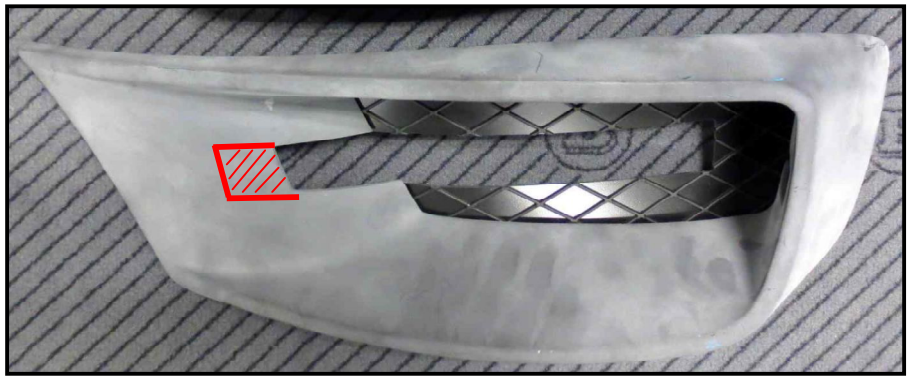
- Bolt the daytime running lights to the chrome bezels.



- Hold the completed daytime running light units to the daytime running light frames. Align them according to image below and mark the positions of the bezels to the daytime running light frames using a washable marker.

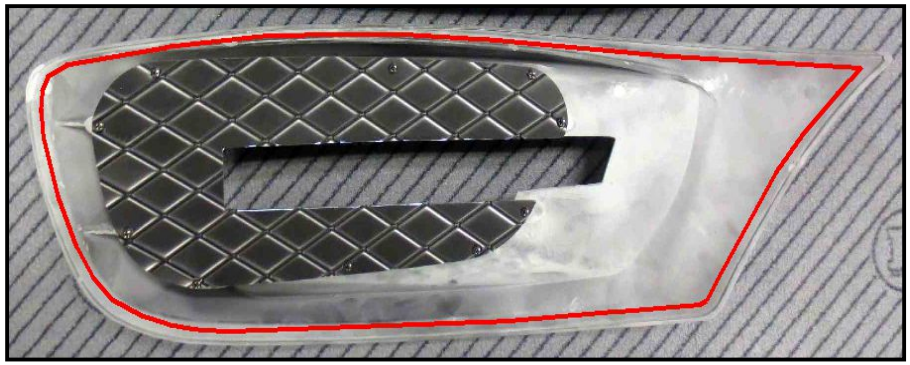


- Prepare the bonding areas of the frontspoiler trim and those of the frontbumper attachments for bonding according to bonding hints on page 2. Bond the completed daytime running light units to the daytime running light frames using adhesive supplied. Remove excessive adhesive immediately.



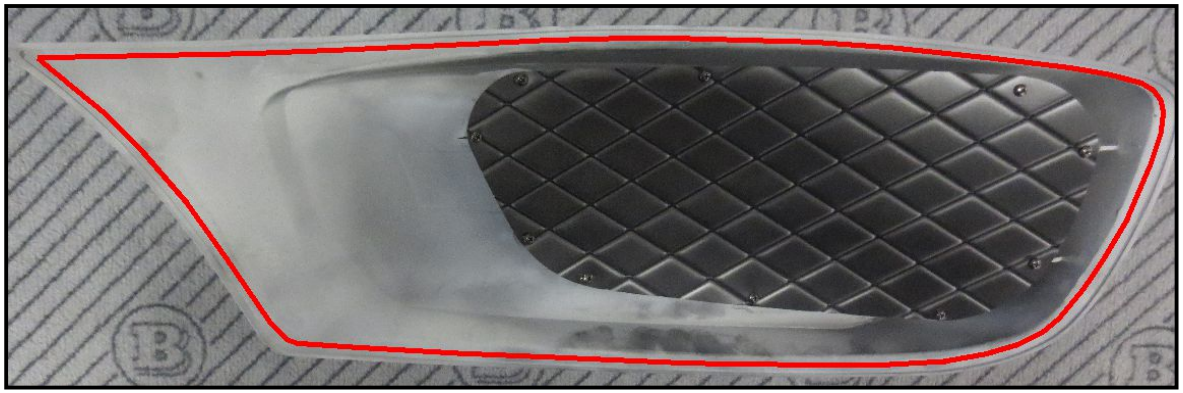
- Bolt the trim grilles to the daytime running light frames.

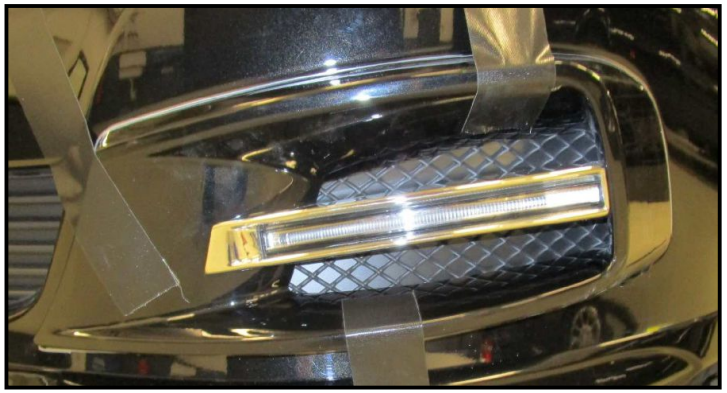
- Prepare the bonding areas of the frontbumper trim and those of the frontbumper attachments for bonding according to bonding hints on page 2.



- Attach even lines of adhesive to the bonding areas of the frontbumper attachments and bond them flush to the frontbumper. Align the attachments according to previously made marks. Remove excessive adhesive immediately!

- Keep the frontbumper attachments in place using suitable adhesive tape until the adhesive is finally hardened.





- Avoid to wash the vehicle within an automatic washing bay within 24 hours after bonding!

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