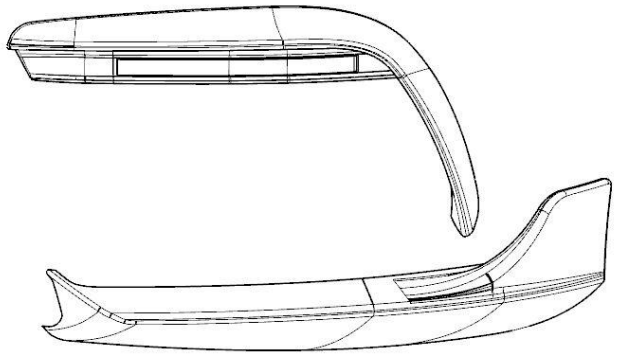
Brabus-Frontbumper attachments including daytime running lights for V-Class, type 447
Article-no. 447-220-00 & 447-230-00





Montageanleitung

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.

Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

Included in delivery:

447-220-00

1x	Set of front bumper attachments left, right	447-220-00-B
1x	Adhesive BRABUS badge	453-000-21
1x	Adhesive kit	B28/000-8



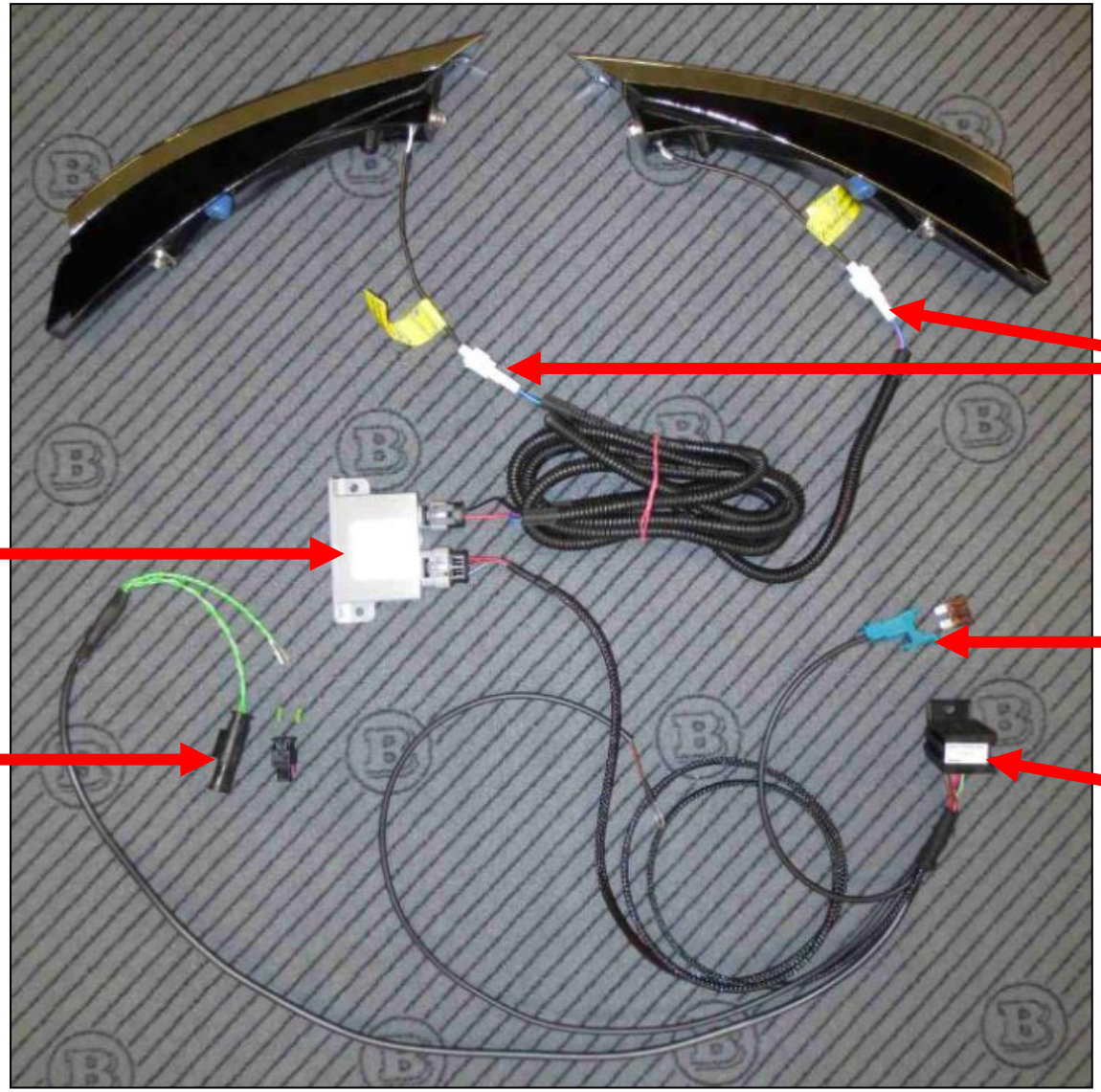
447-220-00

2x	Inner daytime running light bracket	447-230-901
2x	Outer daytime running light bracket	447-230-902
1x	DRL electronic control unit	447-900-00
1x	DRL wiring harness	447-900-10
1x	Daytime running lights “slim line”	000-TFL-SLS
1x	Left DRL attachment	447-230-001
1x	Right DRL attachment	447-230-002
1x	Adhesive kit	B28/000-8



Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

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)

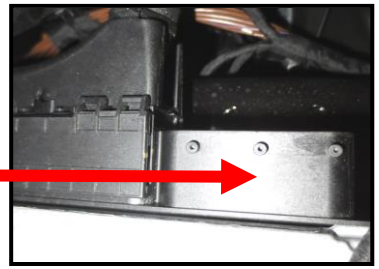
CAN-connectors, connected to control unit plug „F“ (according to instructions)

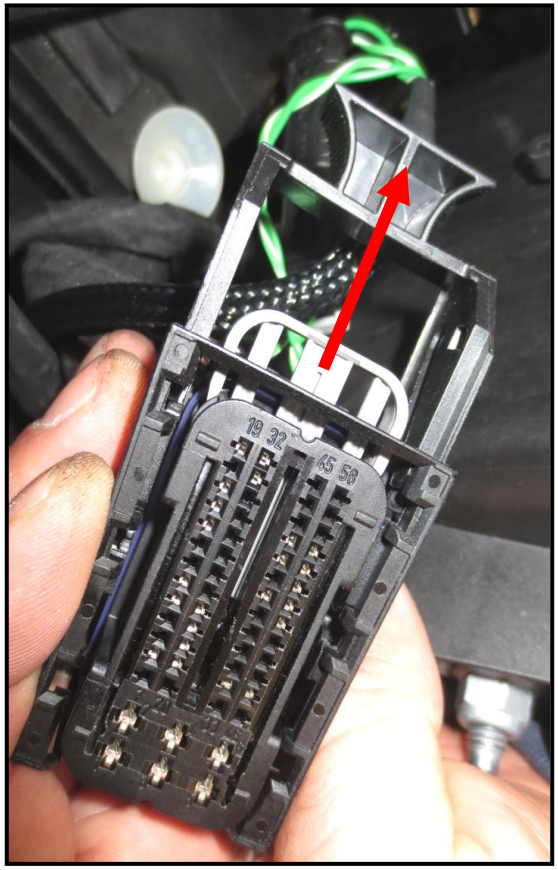
Control unit socket for DRL control unit – stowed within front fuse and relay box

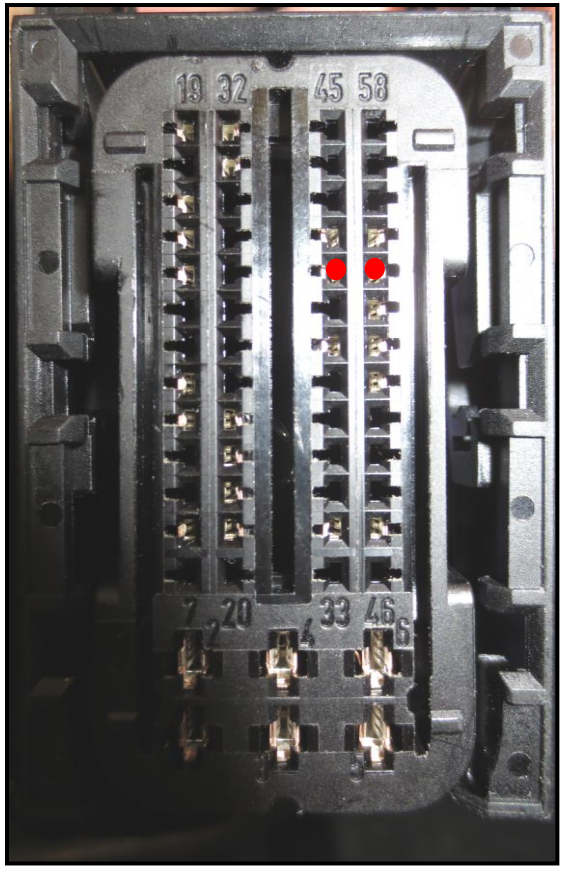
Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

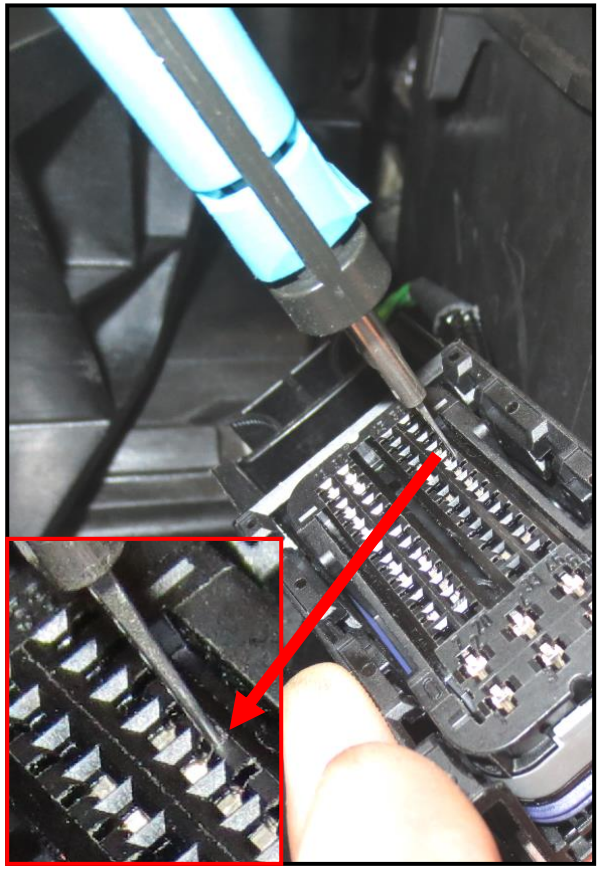
Disconnect plug „F“ of engine control unit, remove plastic cover. Release and remove grey lock.

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







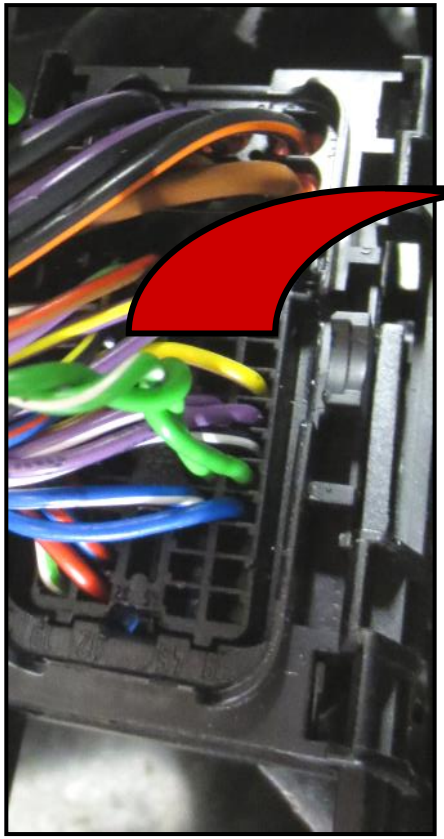


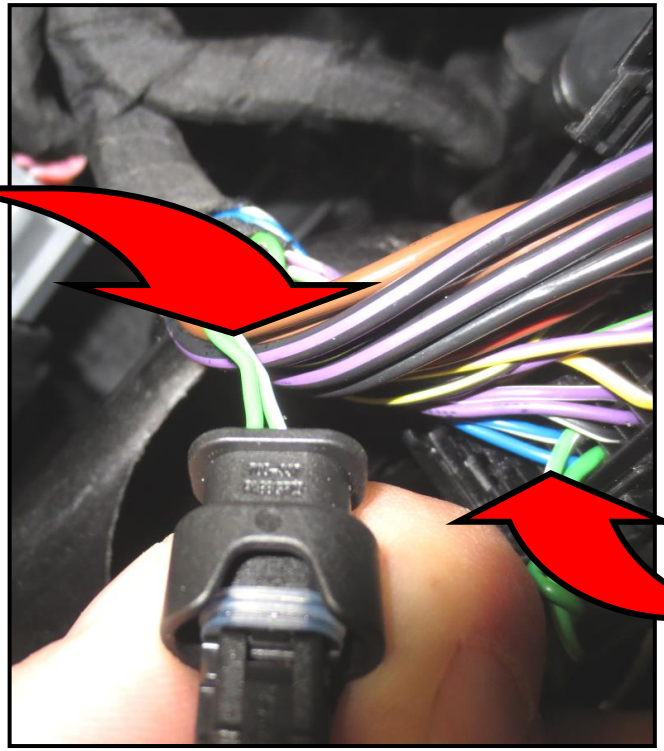
Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

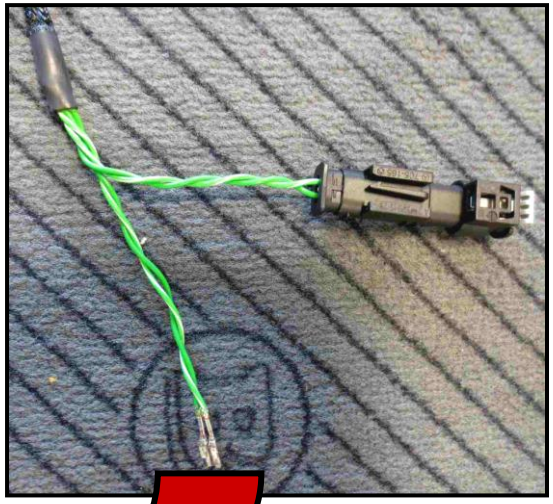
Route wiring harness to fuse and relay - box.

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)





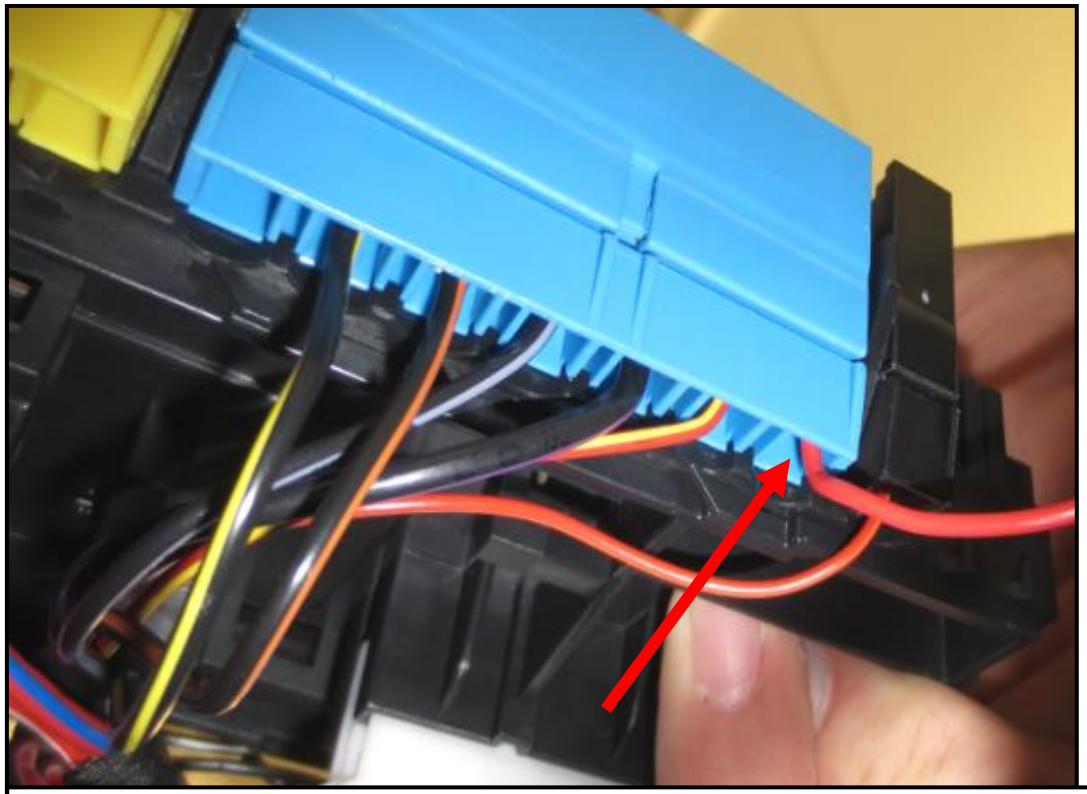


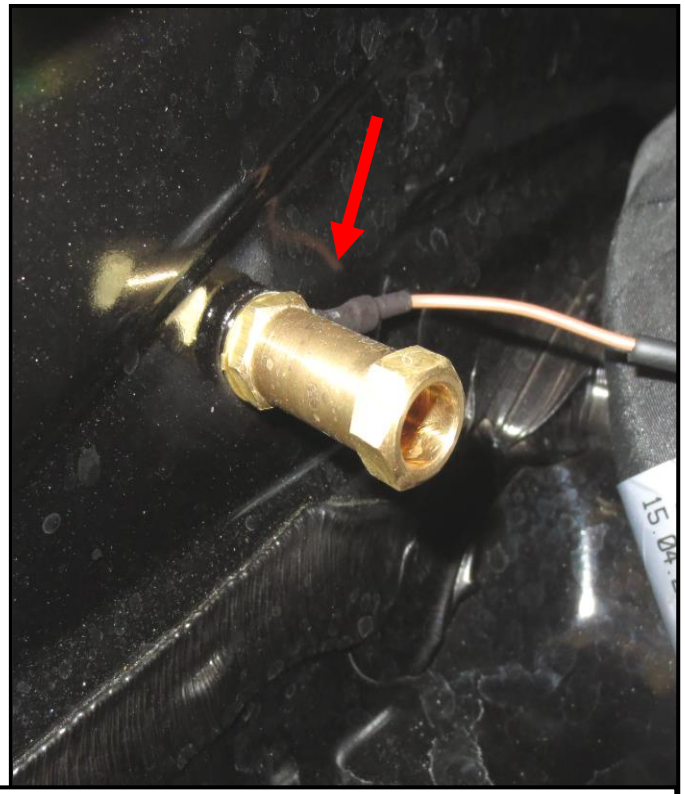
Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

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

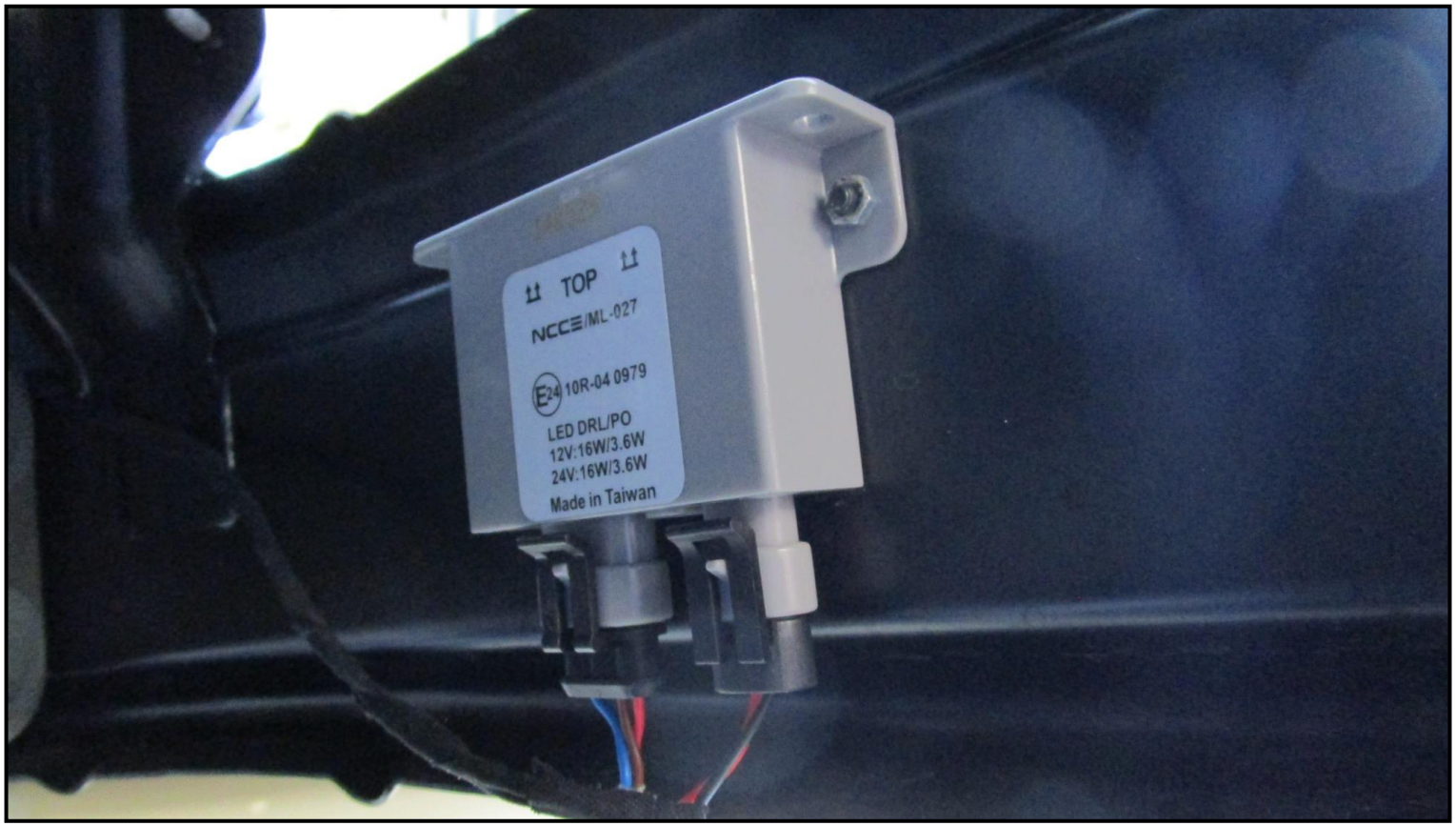




Connect DRL connectors to daytime running lights, route the wire for the left daytime running light to the left vehicle side, along front crossmember. Fixate wiring harness to front crossmember or standard wirings using cable ties.

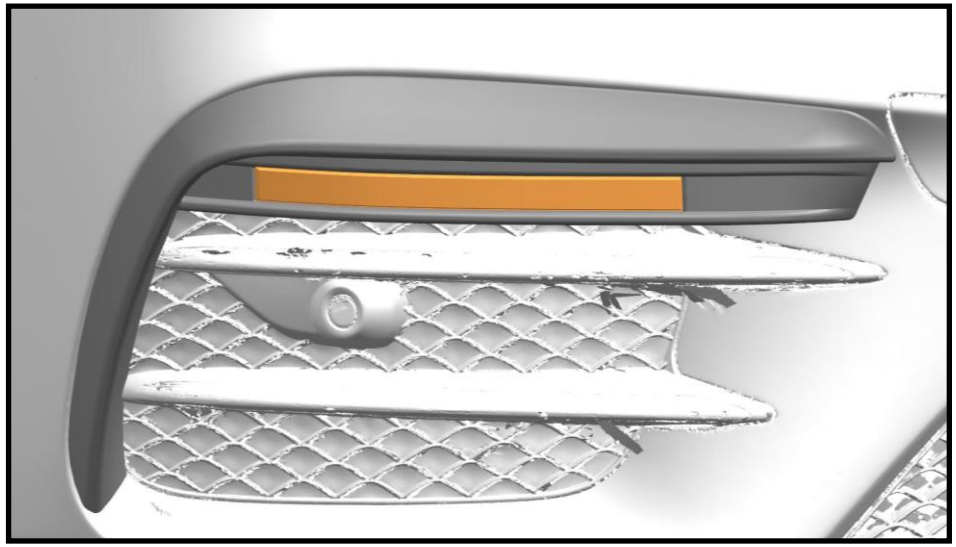
Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

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



Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

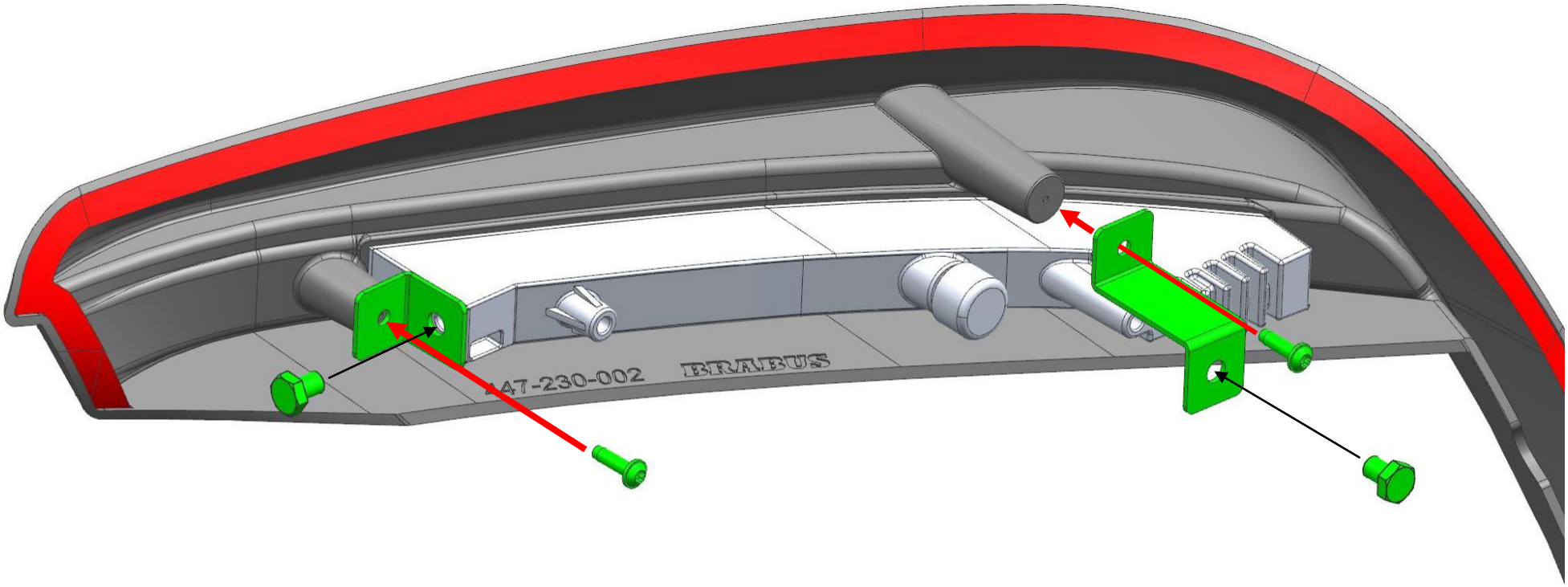
- Hold the Brabus front bumper attachments to the front ducts of the front bumper. Align these and mark the outer edges of the attachments to the front bumper using a washable marker.
- Remove the front bumper according to Mercedes-Benz workshop instructions.
- Cut the areas marked red below out of the left and right trim grilles using a suitable tool.





Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

- Bolt the daytime running lights to the daytime running light attachments using screws and brackets supplied according to illustrations below.



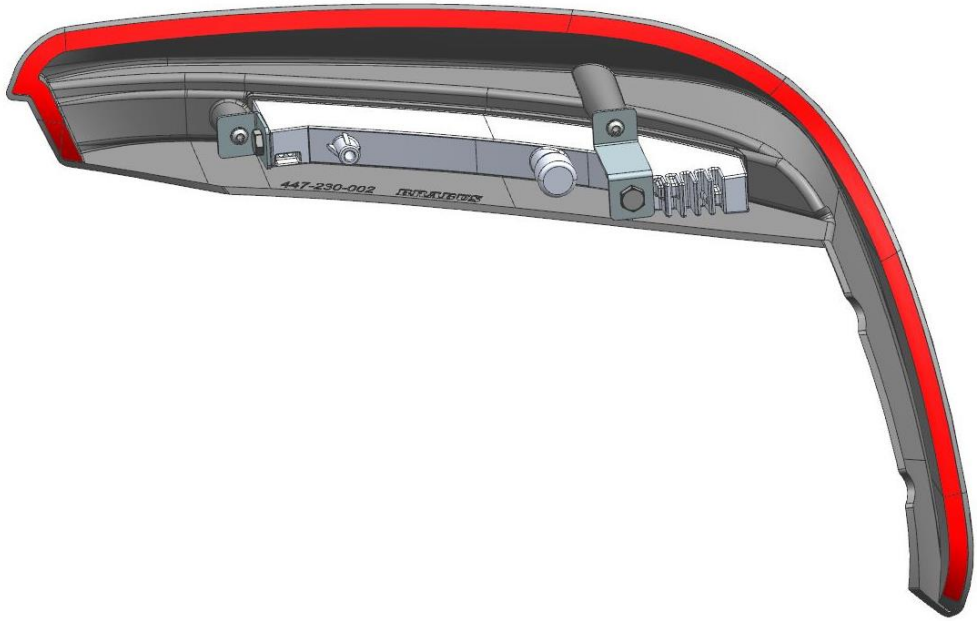
Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDA

- Hold the completed daytime running light units to the front bumper and check if these can be assembled with sufficient clearance. Extend the cut outs if necessary.

- Clean and degrease the bonding areas of the daytime running light attachments and those of the front bumper according to bonding hints on page 2.

- Apply even lines of adhesive to the bonding areas of the front bumper attachments and bond them flush to the front bumper. Align the attachments according to previously made marks and keep them in place using suitable adhesive tape until the adhesive is finally hardened. Remove excessive adhesive immediately.

- Connect the daytime running lights to the wiring harness, re-assemble the front bumper.



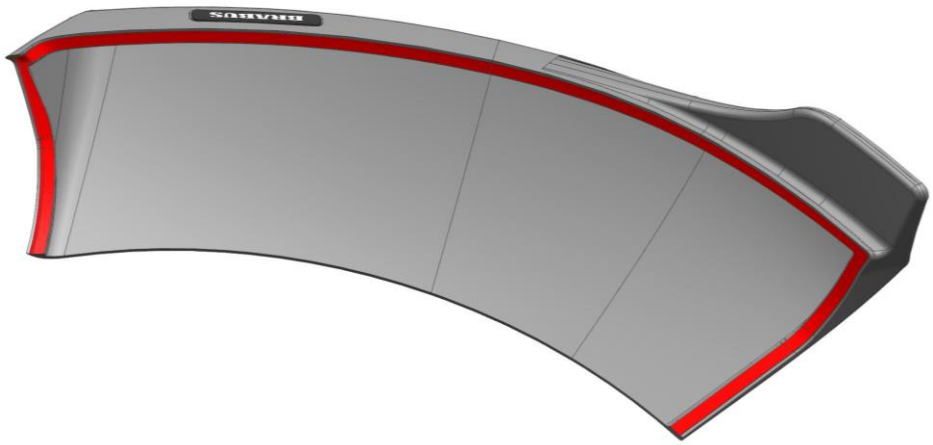
Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT



Assembly of front bumper spoiler attachments:

- Hold the front bumper spoiler attachments to the front bumper. Align them and mark the outer edges to the front bumper using a washable marker.
- Prepare the bonding areas (illustration) of the front bumper spoiler attachments and those of the front bumper for bonding according to bonding hints on page 2.
- Bond the front bumper spoiler attachments to the front bumper using adhesive supplied and align them. Keep the front bumper spoiler attachments in place using suitable adhesive tape until the adhesive is finally hardened.
- Remove excessive adhesive immediately.
- Clean and degrease the bonding area for the BRABUS badge and bond the badge to the right front bumper spoiler attachment.





Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT

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





Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDAT