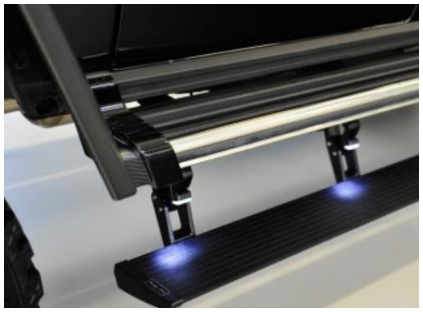


Electrically extendable running boards **463-330-91**

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.
Please read these instructions carefully and check the content of the parts supplied prior to assembly. Wear protective clothes.

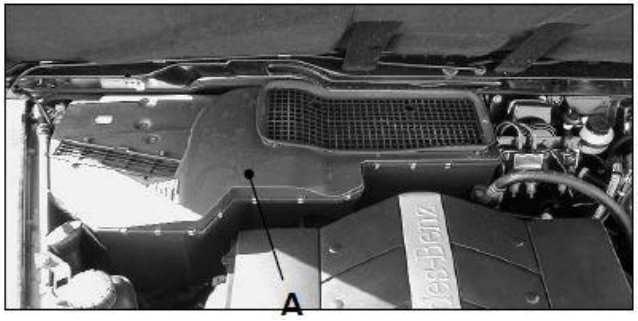
Included in delivery BRABUS:

1x	Extendable running board kit	ETB-MB-G-63-4x4
1x	Main wiring harness	463-330-05-K
1x	CAN-extension wire	463-330-06-K
1x	Power supply	463-330-11-K
1x	Extension harness for passenger side	463-330-21-K
2x	Running board harness	463-330-32-K
1x	Illumination control unit	463-356-10
1x	Control unit for left running board	463-356-20
1x	Control unit for right running board	463-356-30
4x	LED-light	463-330-16
1x	Cable fixation	WU50011317

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Preparation:

1. Open the bonnet and remove the blower housing (A) within the engine bay.



2. Remove both front wheelarch-liners.
3. Remove the glovebox and the left and right side lower dashboard cover.
4. Remove the standard rear silencers.

Disconnect the car main battery (in front of rear seats).

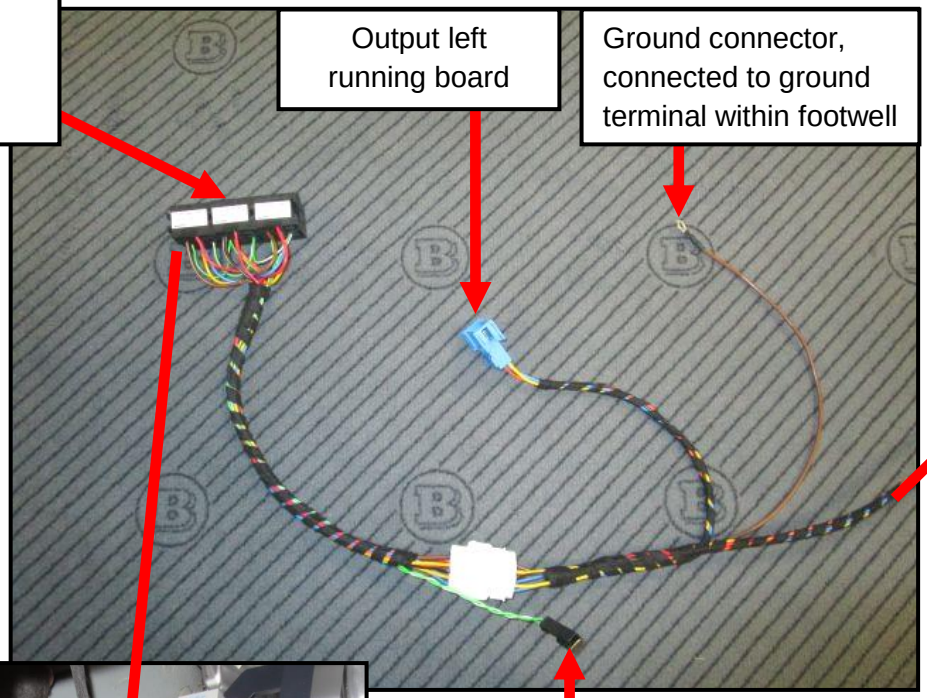
Official technology-partners PIRELLI BILSTEIN Continental MOTUL YOKOHAMA ADVAN Member of VDA

Electrical overview:

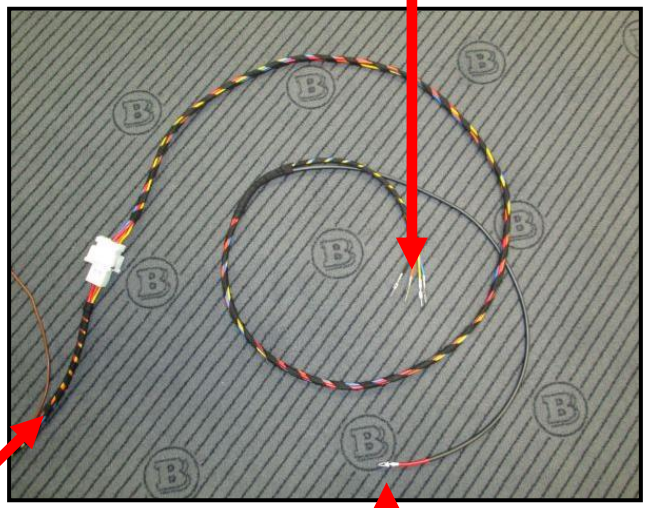
Sockets for control units, to be assembled within driver's footwell

Output left running board

Ground connector, connected to ground terminal within footwell



Output right running board

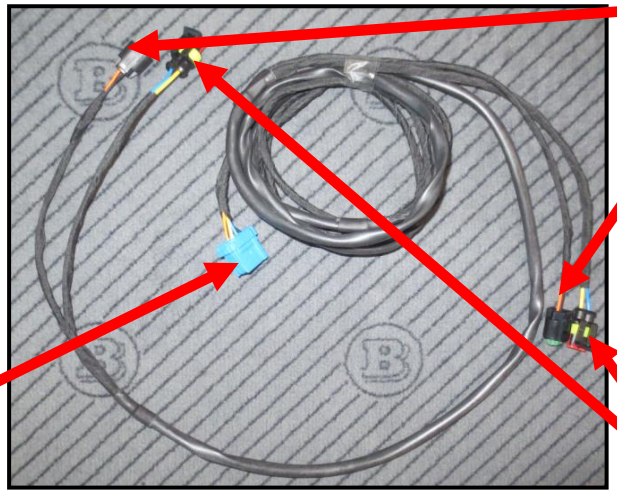


Power supply connector, to right fuse terminal, slot F207 – 15A



To CAN-distributor behind glovebox, connect by using extension wire

Motor connectors



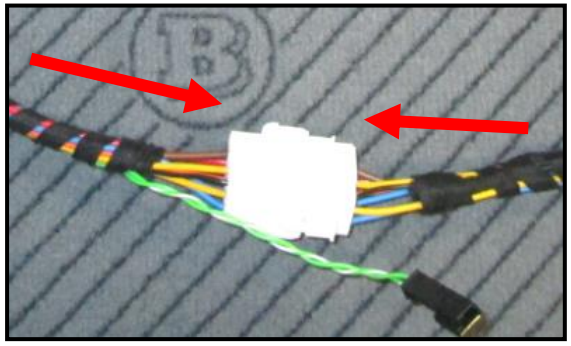
To main wiring harness

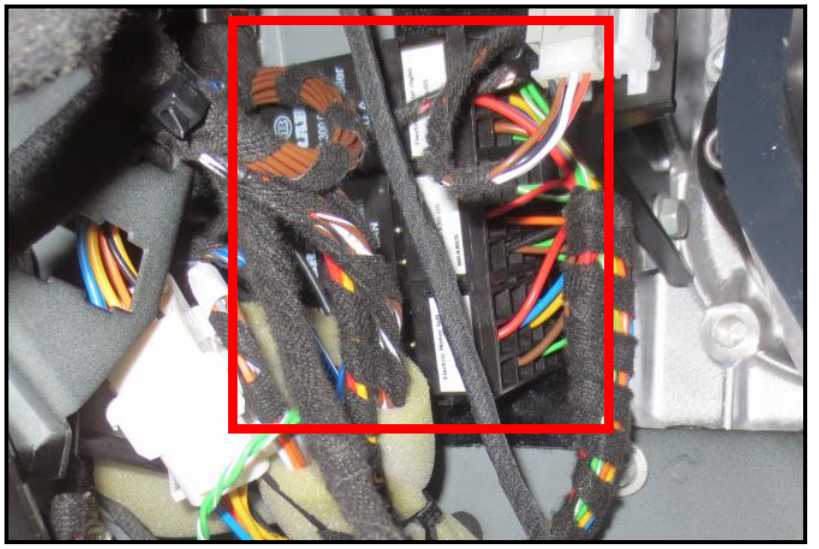
LED-connectors

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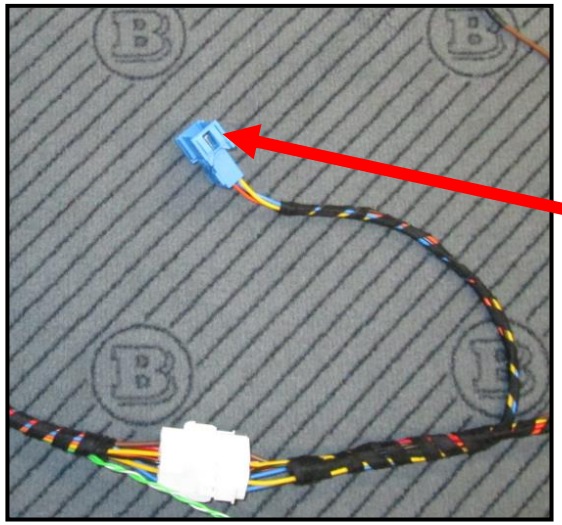
Assembly:

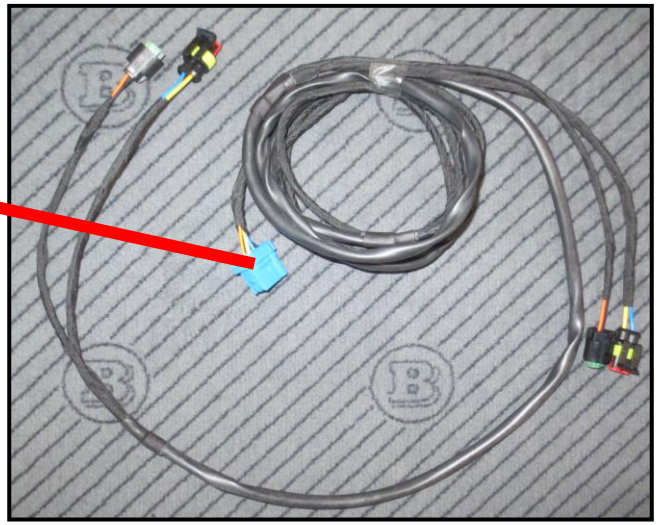
- Fixate the control unit sockets to area within driver footwell showm by using velcro tape supplied. Connect to main wiring harness.





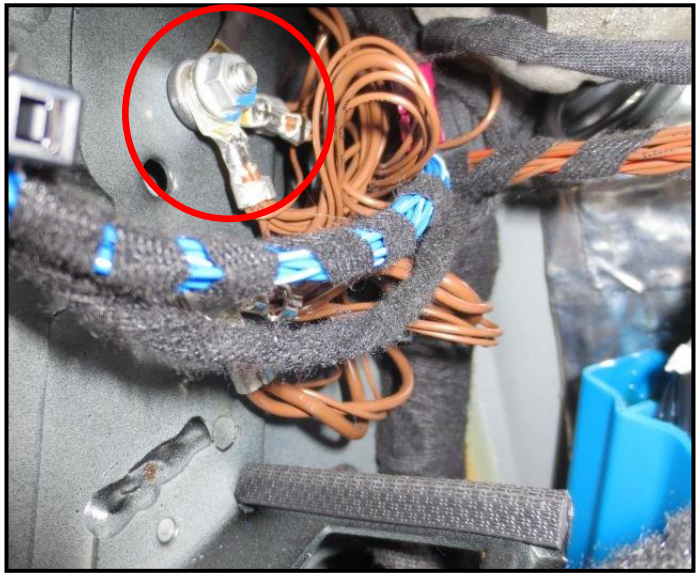
- Connect one of the running board wiring harnesses to the main wiring harness.





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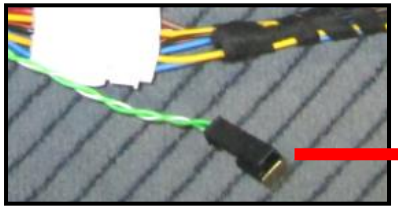
- Bolt the ground ring lug of the wiring harness to the ground terminal within the driver footwell.



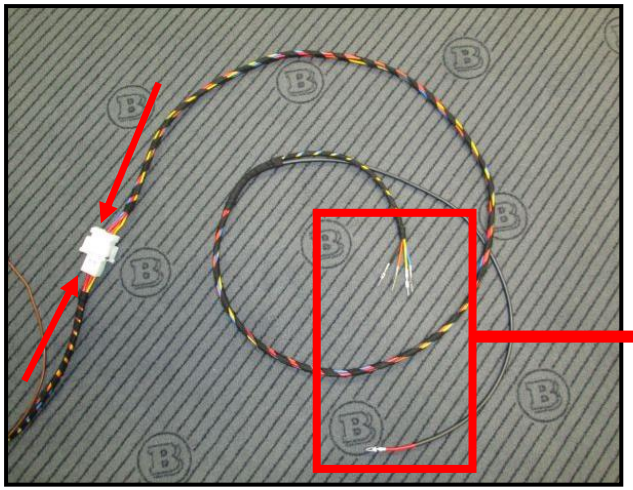
6

- Connect the passenger side wiring harness to the main wiring harness and route it to the passenger side.

- Connect the CAN extension wire supplied to the main wiring harness and also route it to the passenger side.



Connect extension wire and route to passenger side



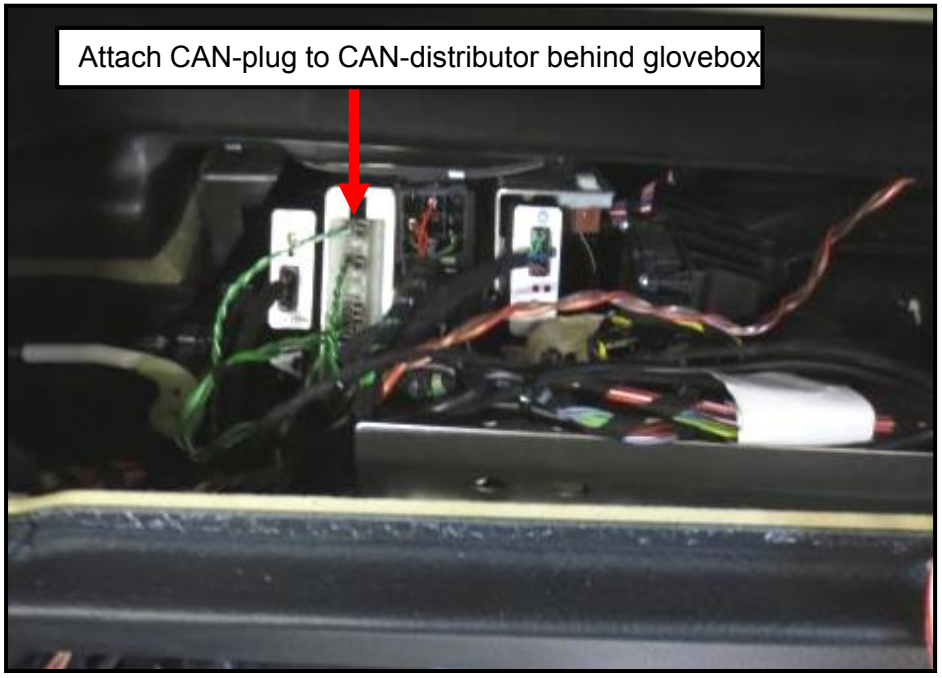
Route to passenger side

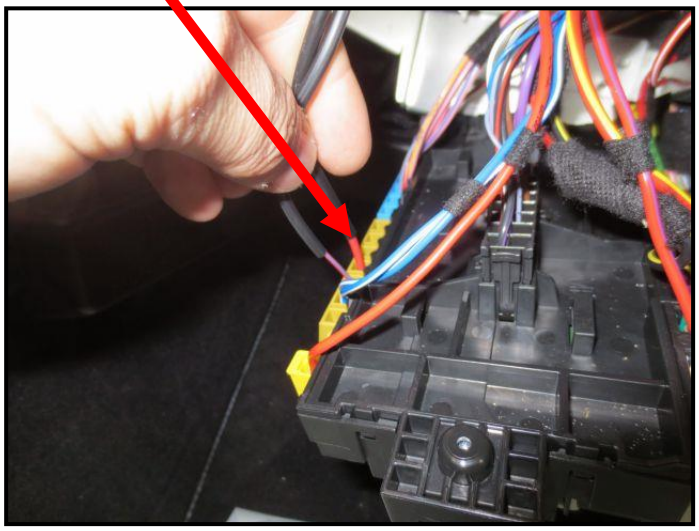
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- Attach the red wire of the Brabus wiring harness to port **F207 (25 AMPS)** of the fuse board.

- Attach the brown CAN-plug of the Brabus wiring harness to a free port of the CAN-distributor shown (behind glovebox).







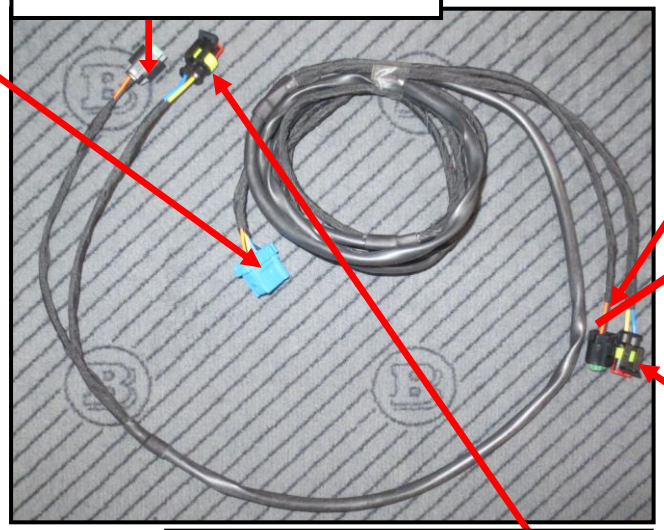
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Routing of passenger side wiring harness to passenger side running board:

To interior wiring harness

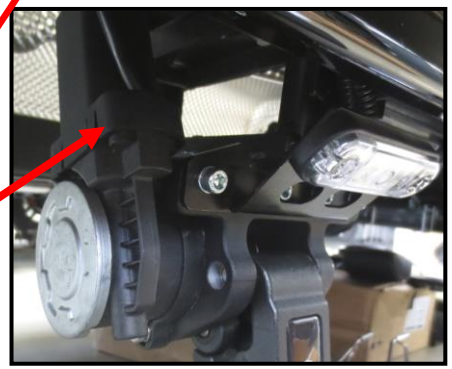


To electric motor



To LED

To electric motor



To LED

Fixate the LED-lights to the running board joints using the adhesive tape on back of the lights according to images (centered within openings of joints, carefully degrease!) Route the wires of the lights backward behind the joints, make sure these cannot be kinked/ squeezed when the running boards do extend/ retract. Fixate the wires to the brackets.

Attention: The wires of the electric motors prior to connection are to ba attached to the 2-pole plugs.

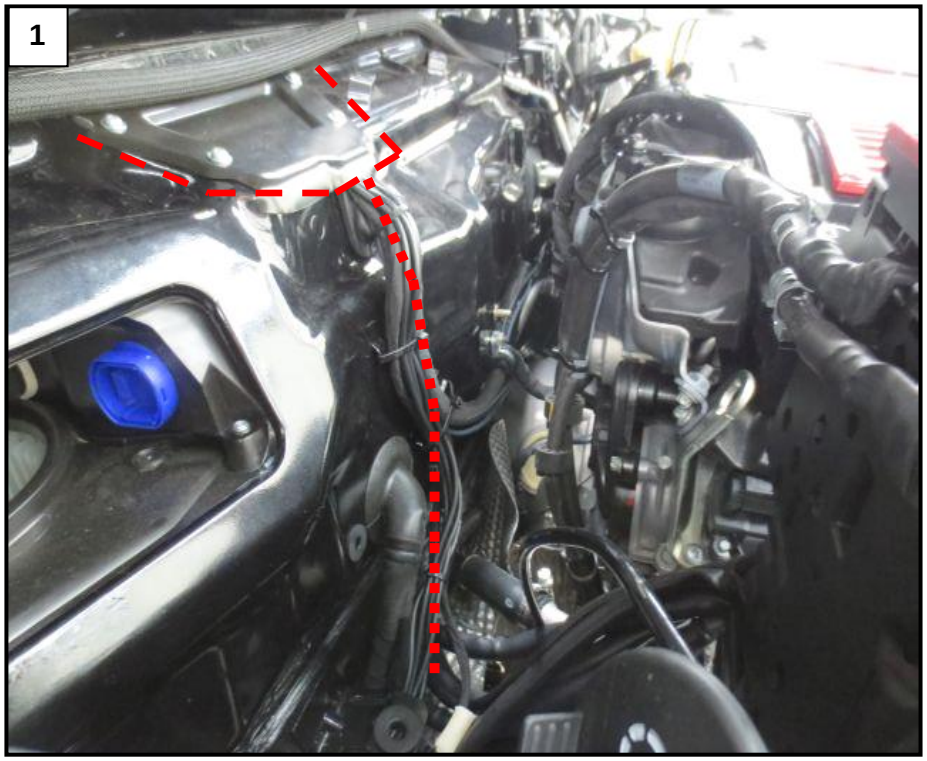
Red wire → Slot 1
Black wire → Slot 2



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- Attach the wires of the wiring harness colour equal to the wires of the running board harness to the plug supplied.
- Route the wiring harness of the passenger side running board to the passenger side interior harness.
- Remove the cover shown within the engine bay (fig. 1) in order to be able to route the wiring harness into the engine bay. Carefully cut the rubber grommet. Do not yet re-attach the cover!

1

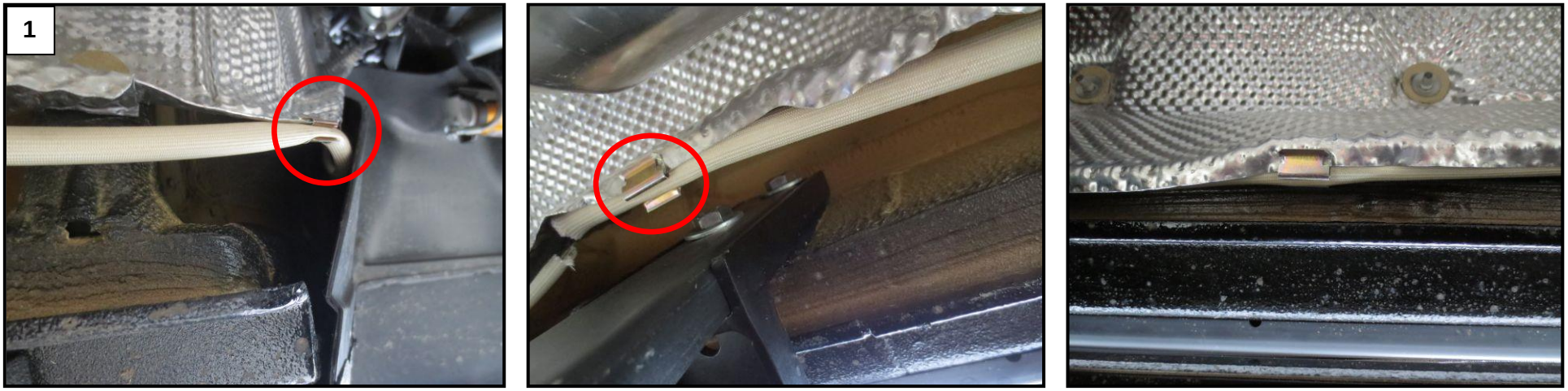




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- Route the wiring harness on the driver side out into the engine bay (through rubber grommet, according to fig. 1).

- Route the wiring harness to the driver side running board (between wheelarch-liner and fender, according to fig. 2).



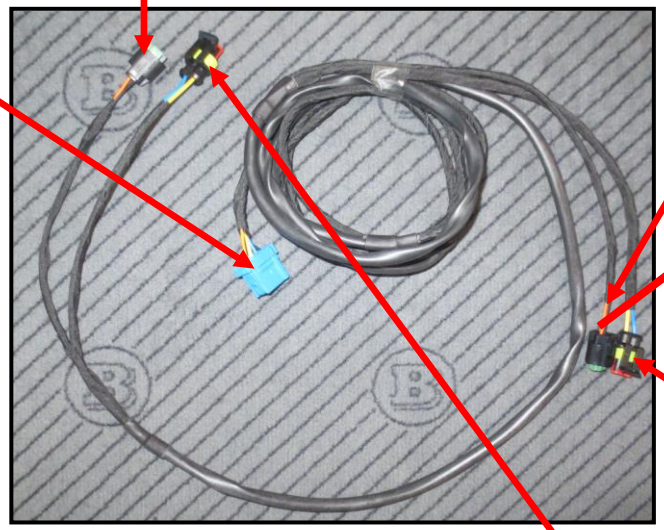
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Routing of driver side wiring harness to driver side running board:

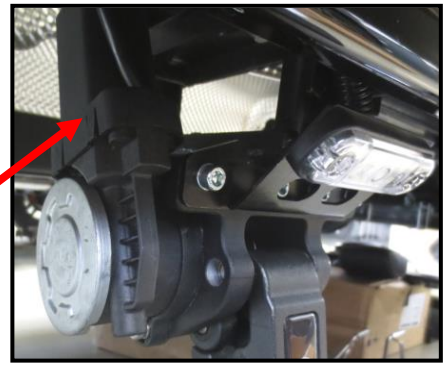
To electric motor

To interior wiring harness





To electric motor



To LED

To LED

Fixate the LED-lights to the running board joints using the adhesive tape on back of the lights according to images (centered within openings of joints, carefully degrease!) Route the wires of the lights backward behind the joints, make sure these cannot be kinked/ squeezed when the running boards do extend/ retract. Fixate the wires to the brackets.

Attention: The wires of the electric motors prior to connection are to ba attached to the 2-pole plugs.

Red wire → Slot 1
Black wire → Slot 2

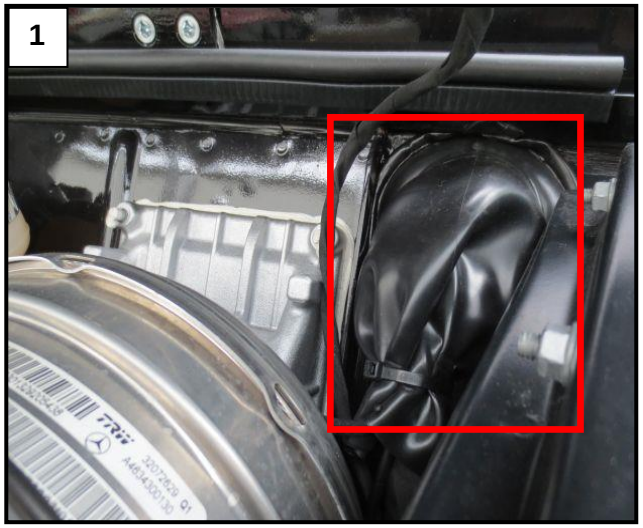


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- Route the wiring harness on the driver side out into the engine bay (through rubber grommet, according to fig. 1).

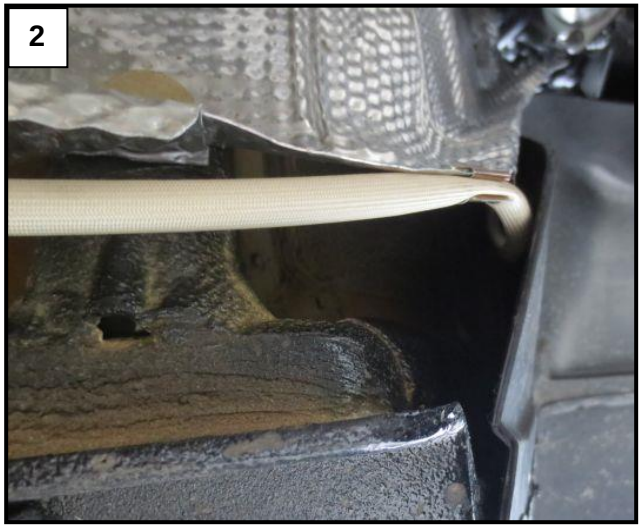
- Route the wiring harness to the driver side running board (between wheelarch-liner and fender, according to fig. 2).

1





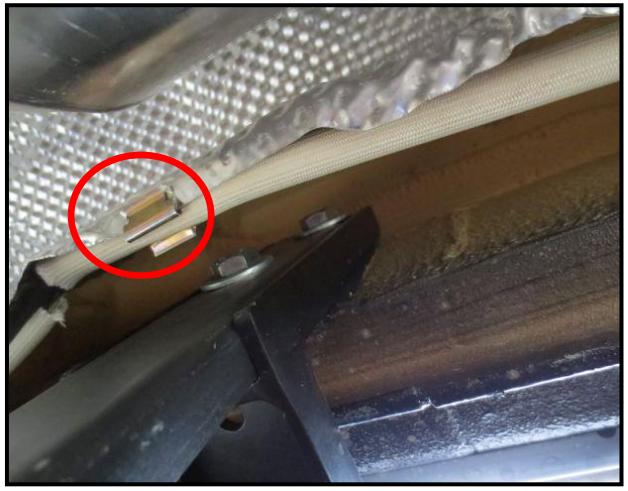
2



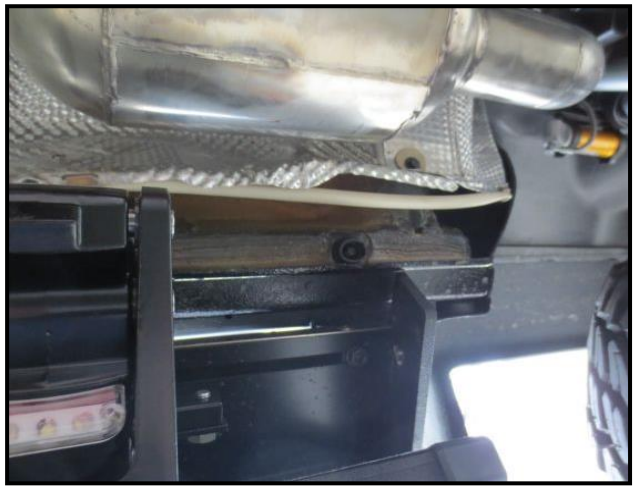
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- Fixate the wiring harness to the heat shield using clamps supplied according to images. Make sure there is a sufficient gap between the wiring harnesses and the exhaust system.









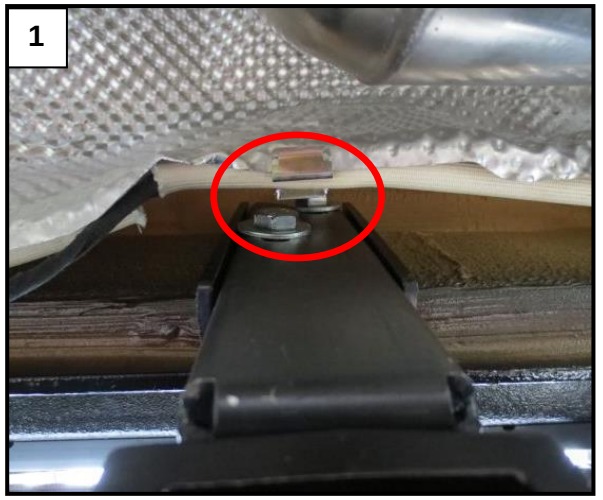
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Running board assembly:

- Bolt the U-supports to vehicle frame (behind standard running board-brackets, fig. 1). Use each 2x M10x45-screws and washers.







- Bolt the U-supports to the lower area of the standard running boards (fig. 2).

  It can be necessary to widen the bores of the running board U-supports. In case it is necessary extend the bores using a suitable 8.5mm drill.



Attention:

In order to reach a proper and smooth function of the running boards do not yet finally tighten the bolt connections until the running boards are tension-free aligned!

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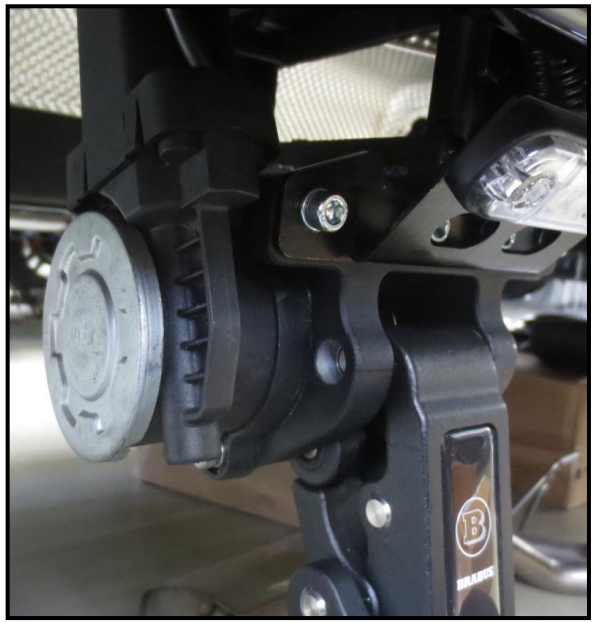
- Bolt the LED lamps to the brackets supplied using tapping screws supplied.





- Bolt the joints with the electric motors together with the LED lamp units to the brackets on the vehicle frame by using each 4x screws M6 and washers supplied.

- Connect the plugs of the left and right wiring harness to the LED lamps and to the electric motors. Open one front door and check if the electric motors all are working in the same direction. If not, disconnect the plug of the wrong working electric motor, release the wires and exchange them against each other.



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- Make sure 3 rubbing blocks are attached to each running board (fig. 1). Bolt the joints to the running boards using 12 screws M6x20mm (fig. 2).

- Attach the end caps to the four running board edges using screws M6x20mm.

1

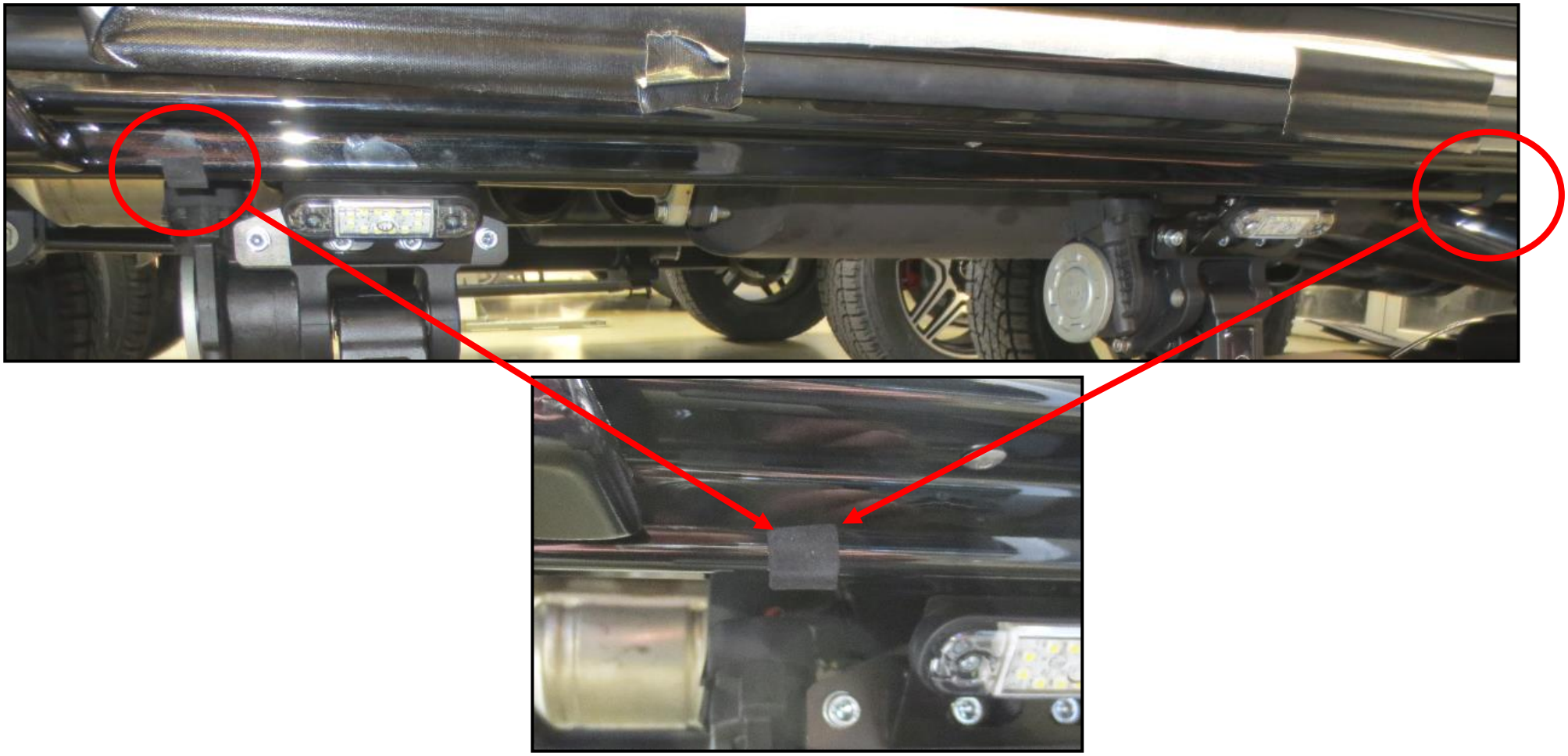


2



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- Attach a piece of the felt-tape supplied to each the positions shown (needs to be renewed from time to time!).



- Check the function of the electric running boards, make sure these extend/ extract smoothly. Re-align, if necessary.

- Re-attach all trim parts and covers.