



Valve controlled sports exhaust for S65-Coupé C217

217-678-65



BRABUS®

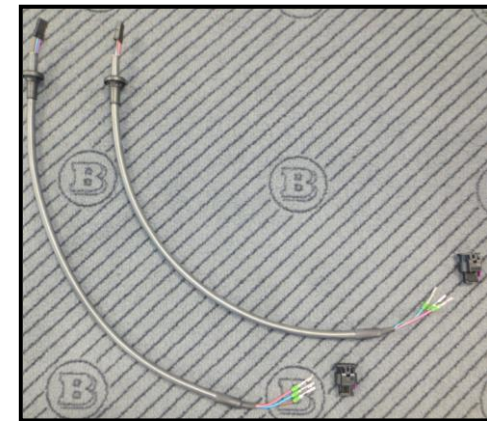
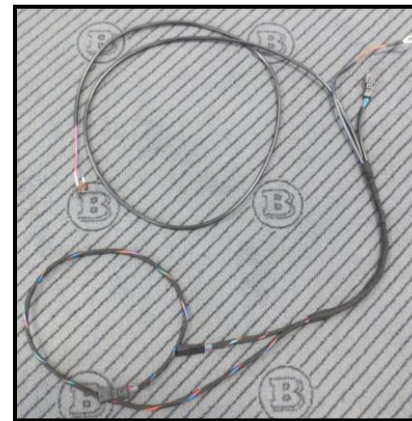
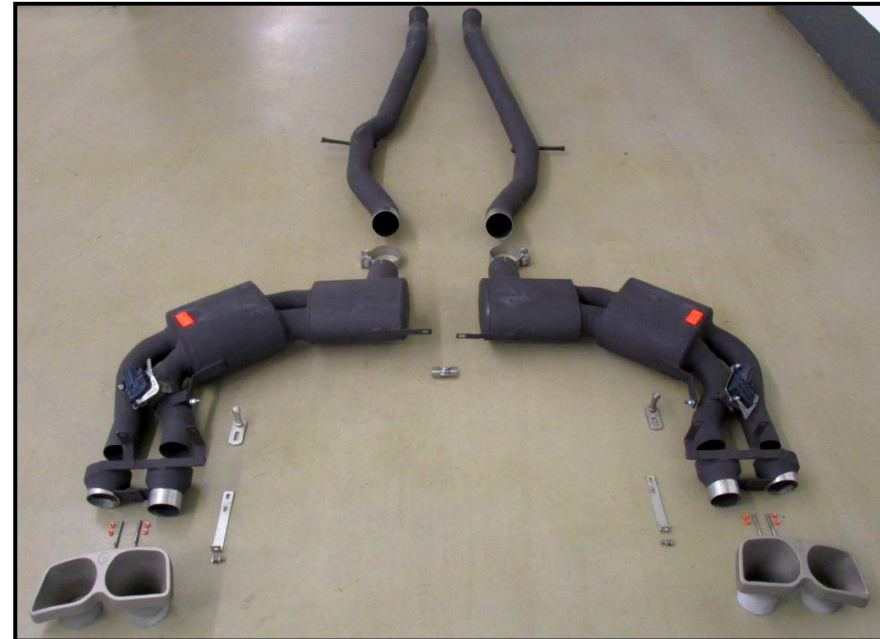
The product described in the instructions was developed, produced and checked considering the necessary safety requirements. In order to ensure a proper and safe function and to rule out danger for persons and objects, this product must be installed appropriately. Only trained, qualified staff, having the necessary technical experience and tools, should perform the installation. Therefore you have to read and completely understand these instructions. Check the content of the supplied parts as detailed next page prior to assembly.

The exhaust valves are controlled using the steering wheel arrow-buttons (up, down).

Explanations regarding the way of functioning can be found on pages 14 & 15.

Included in delivery:

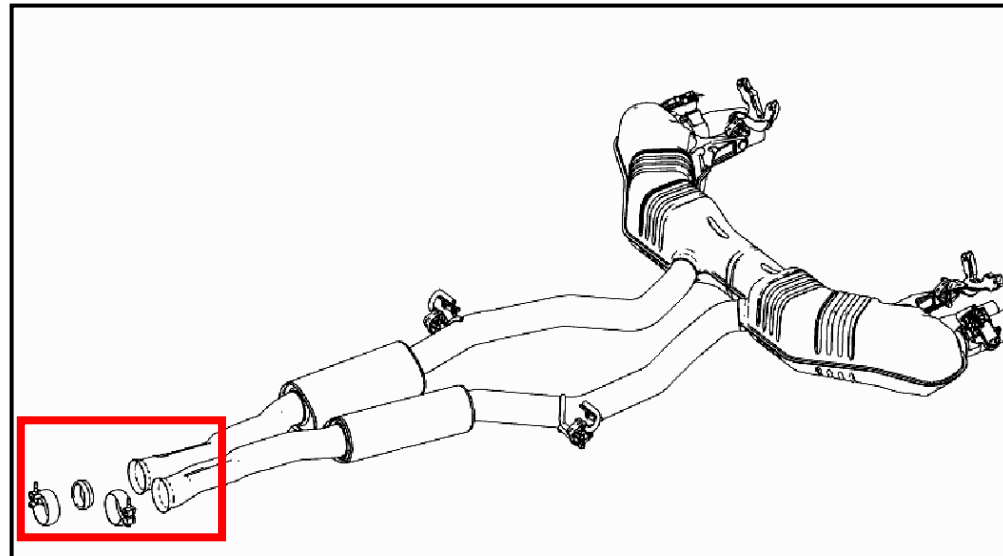
Description:	Article-no:	Quantity:
- Set of rear silencers left/ right	222-600-850-ESD	1
- Set of connection pipes left and right	222-678-65-VBR	1
- Left exhaust tailpipe	166-678-63-ERLB	1
- Right exhaust tailpipe	166-678-63-ERRB	1
- Wiring harness incl. beeper	222-600-96	1
- Electronic control unit	000-600-66	1
- Plug for electric exhaust valves, 3-pole	2	2
- MQS plug, 2-pole		1
- Screw, M5		1
- Mutter, M5		1
- Fuse, 5.0 Amps		1
- Fuse, 7.5 Amps		1



- Lift the car on a suitable platform at the Mercedes-Benz prescribed lifting positions with due regard to valid MB safety guidelines. Remove the trims within the boot compartment to get access to the electrical components shown (battery, control units, rear SAM).

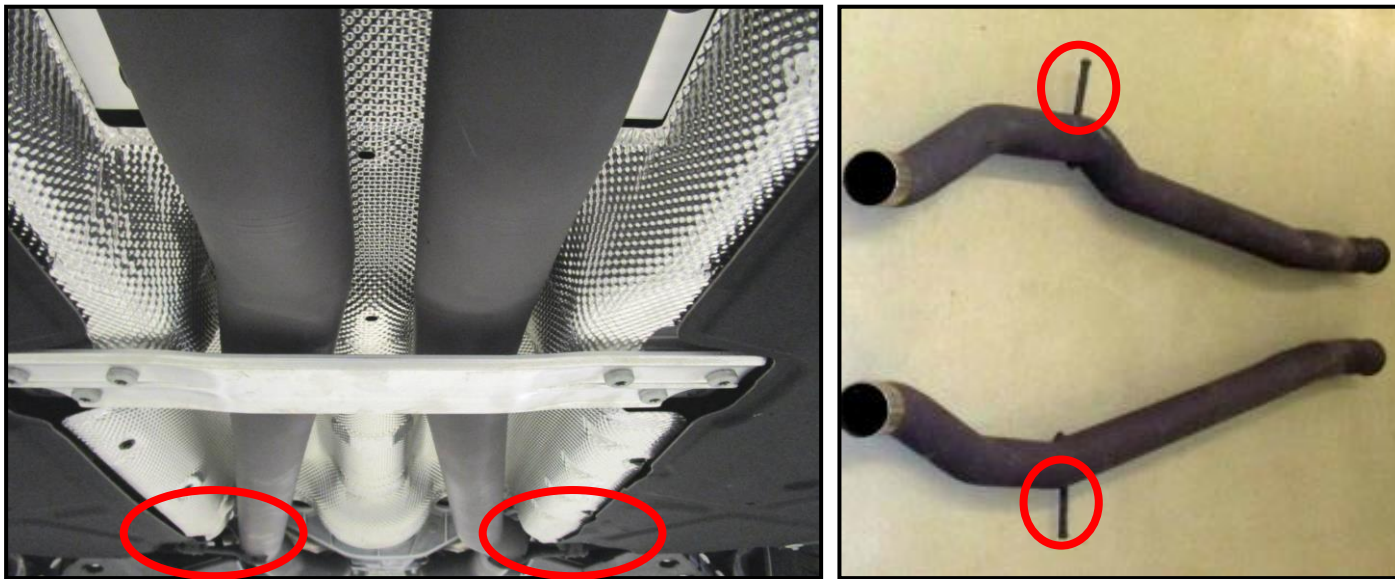


- Remove the standard exhaust tailpipes and, if equipped with, the underbody struts. Loosen the standard exhaust system at the red marked connections shown. Remove the exhaust system.

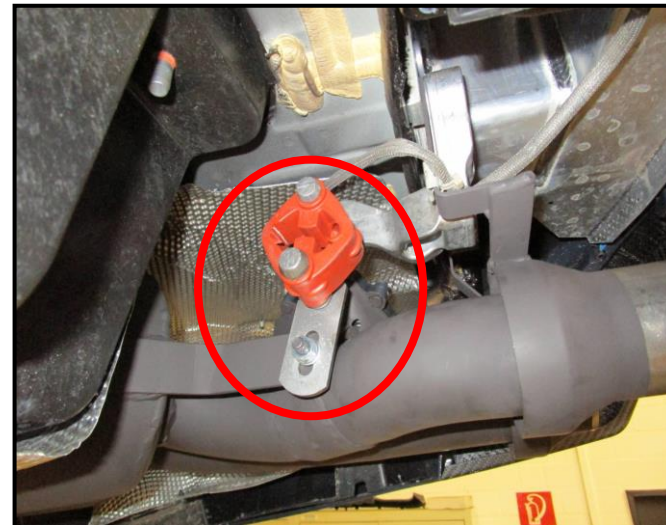
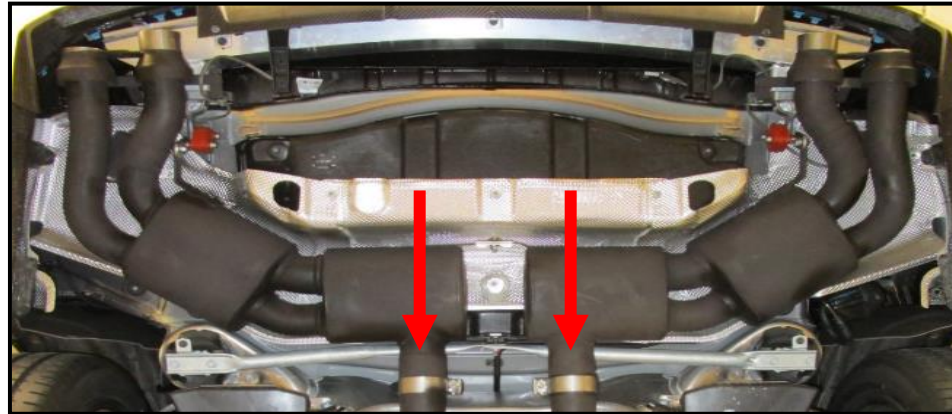


- Assemble the Brabus carbon-fibre rear diffuser according to instructions.

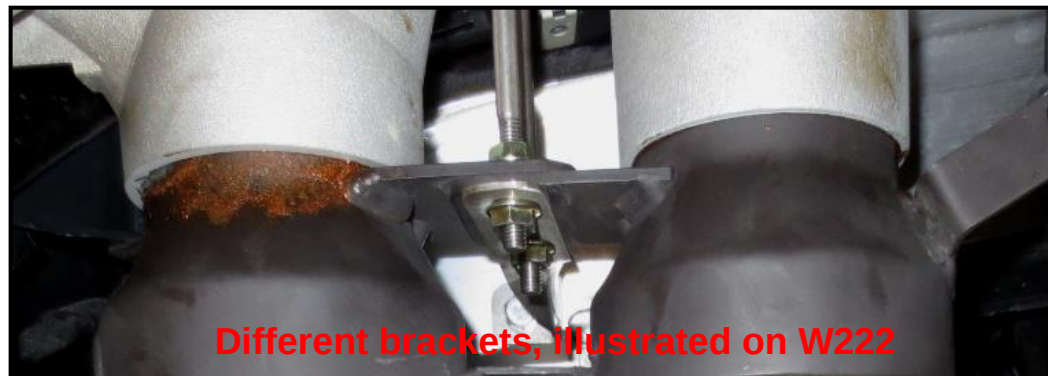
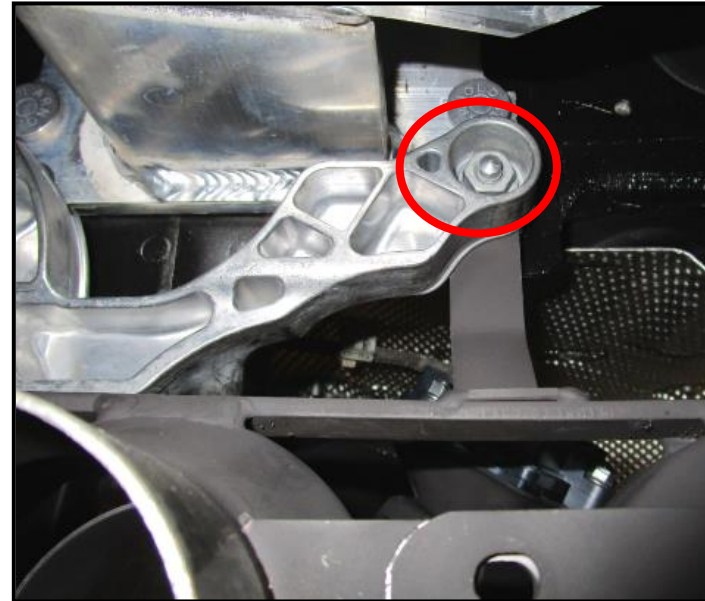
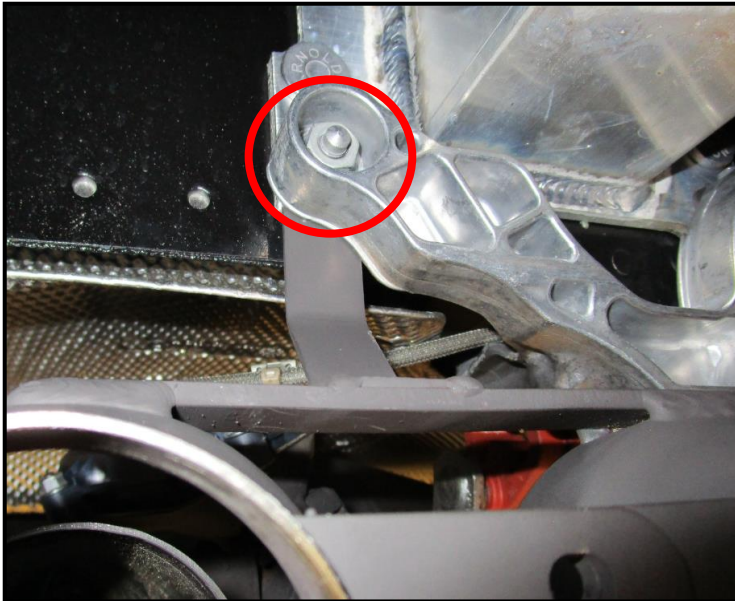
- Bolt the exhaust pipes supplied to the standard connections using the standard clamps.
- Attach the pipes to the standard exhaust rubber supports.



- Bolt the brackets supplied to the Brabus rear silencers and hang these into the exhaust rubber supports. Connect the rear silencers to the exhaust pipes using assembly material supplied. Make sure the exhaust system has been fitted free of tension and with sufficient clearance to axle parts/ struts/ brackets.

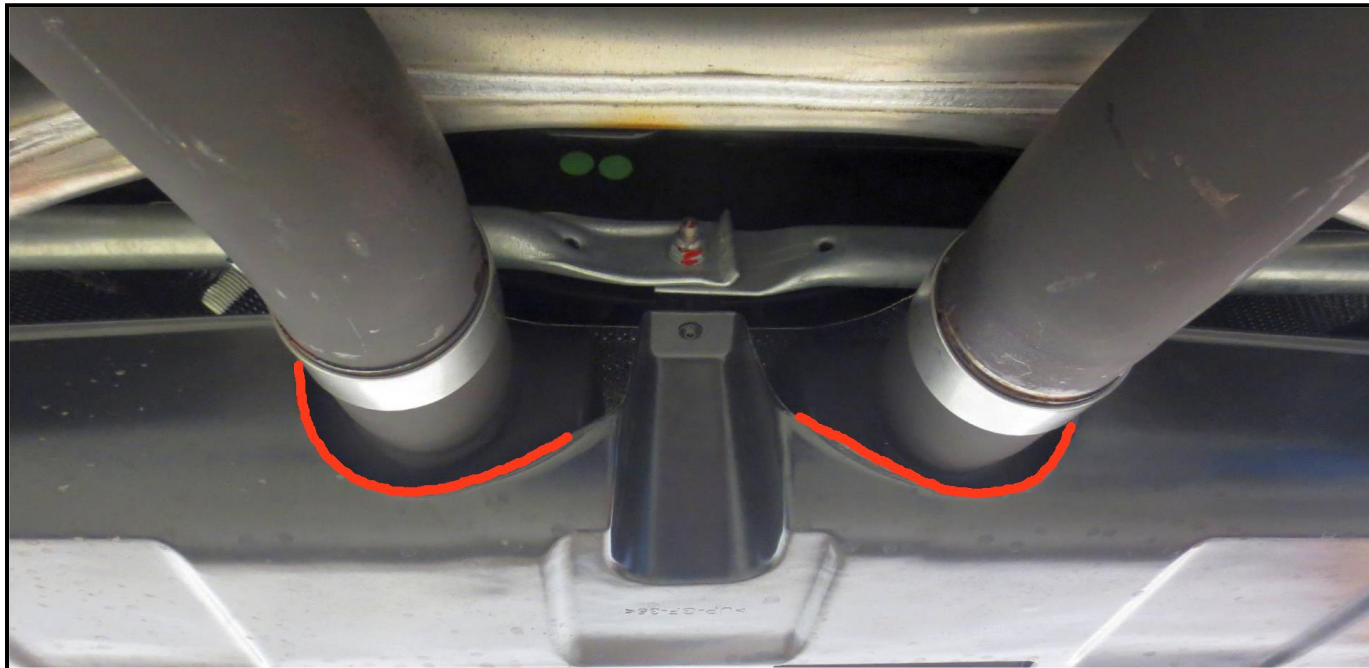


- Bolt the brackets of the exhaust tailpipes supplied to the assembly area of the standard brackets shown within figures below. Make sure there is sufficient clearance between the exhaust pipes and the tailpipe funnels.
- Fixate the tailpipes and the brackets to the tailpipe supports.

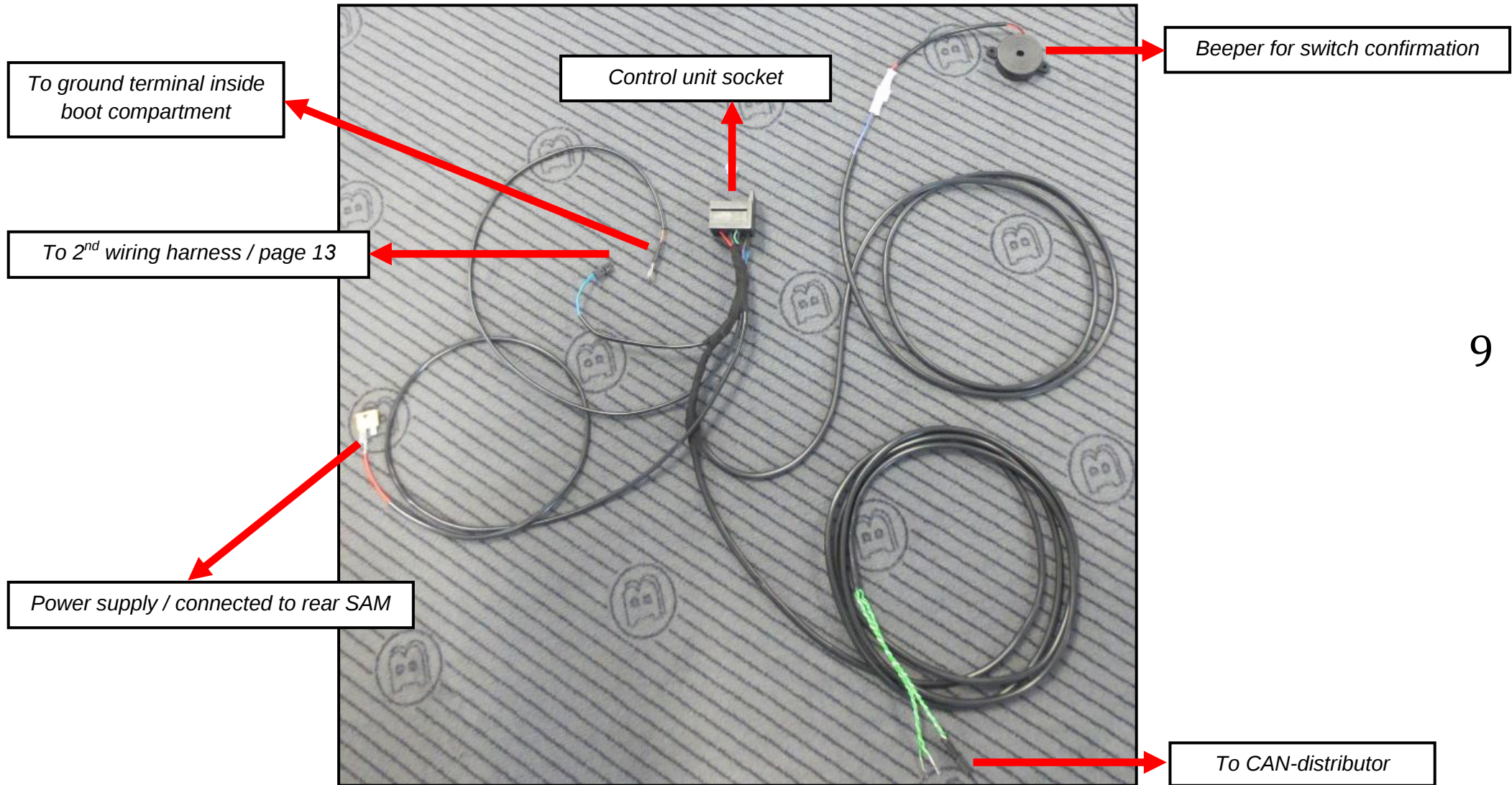


Different brackets, illustrated on W222

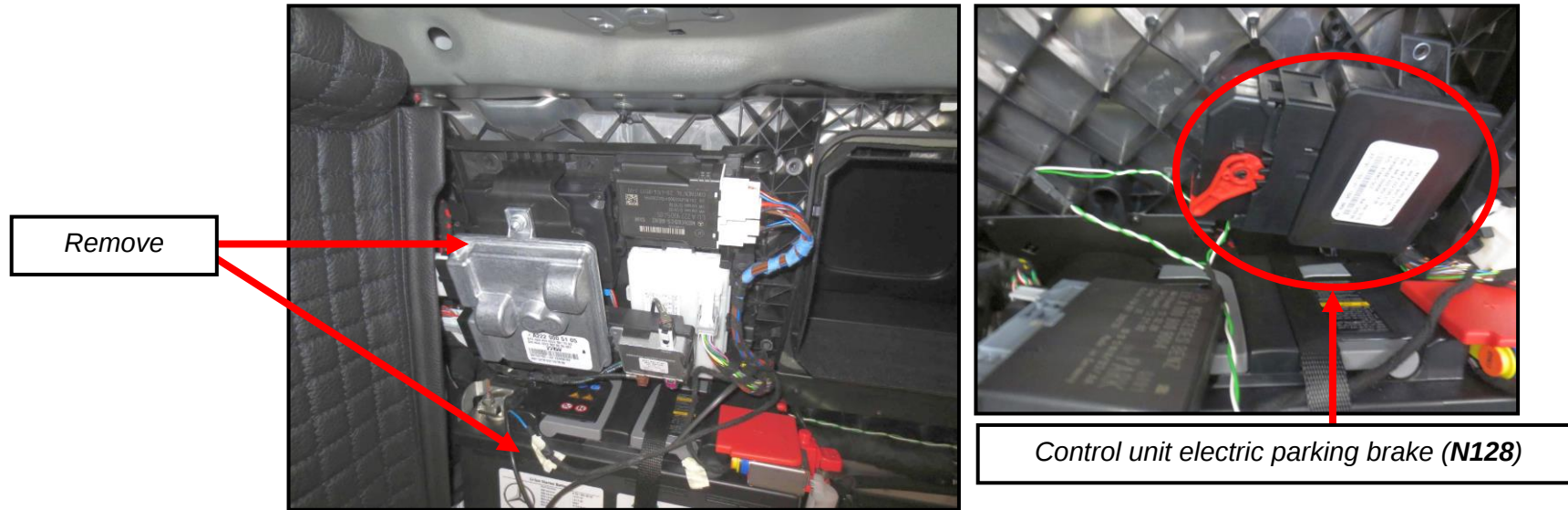
- Hold the rear underbody cover to it's position and mark the areas to be cut out using a washable marker according to images.
- Cut the marked areas using a suitable tool and deburr the cutting edges.
- Bolt the underbody cover under the cover and check for sufficient clearance between the underbody cover and the exhaust system.



Electrical connections of main wiring harnesss:

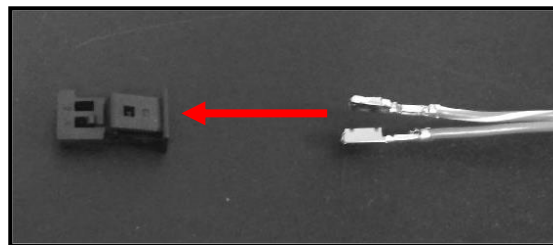


- Dismantle the control units shown which are located on back of the separation wall to get access to the control unit of the electric parking brake (N128).

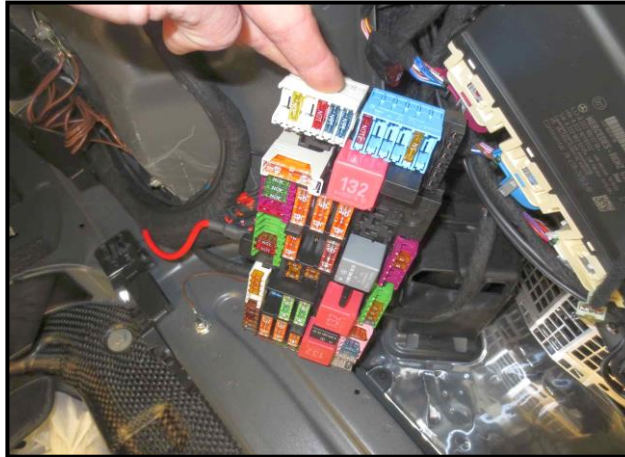


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- Remove the green and white CAN-wires (Pin 16 & 17) out of the black plug of the electric parking brake control unit and attach these to the 2-pole plug supplied. Connect the plug to the Brabus wiring loom and the green/ white wires of the Brabus wiring loom to port 16 & 17 of the black plug (white to port 16, green to port 17).

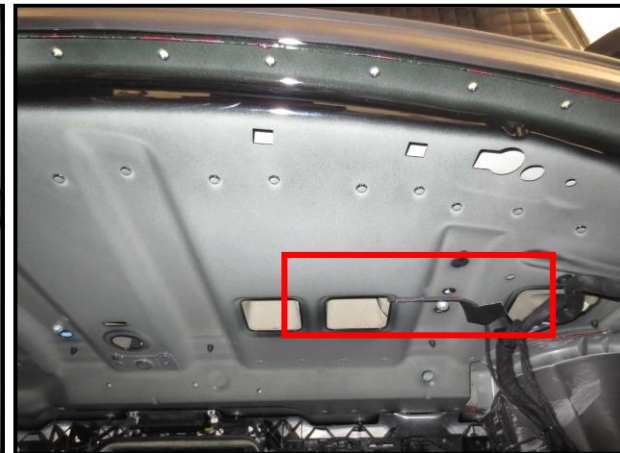


- Dismantle the rear SAM (within boot compartment), attach the power supply wire of the Brabus wiring loom to the free port shown (418, 5 Amps) within illustration below. Do not yet re-assemble the rear SAM!

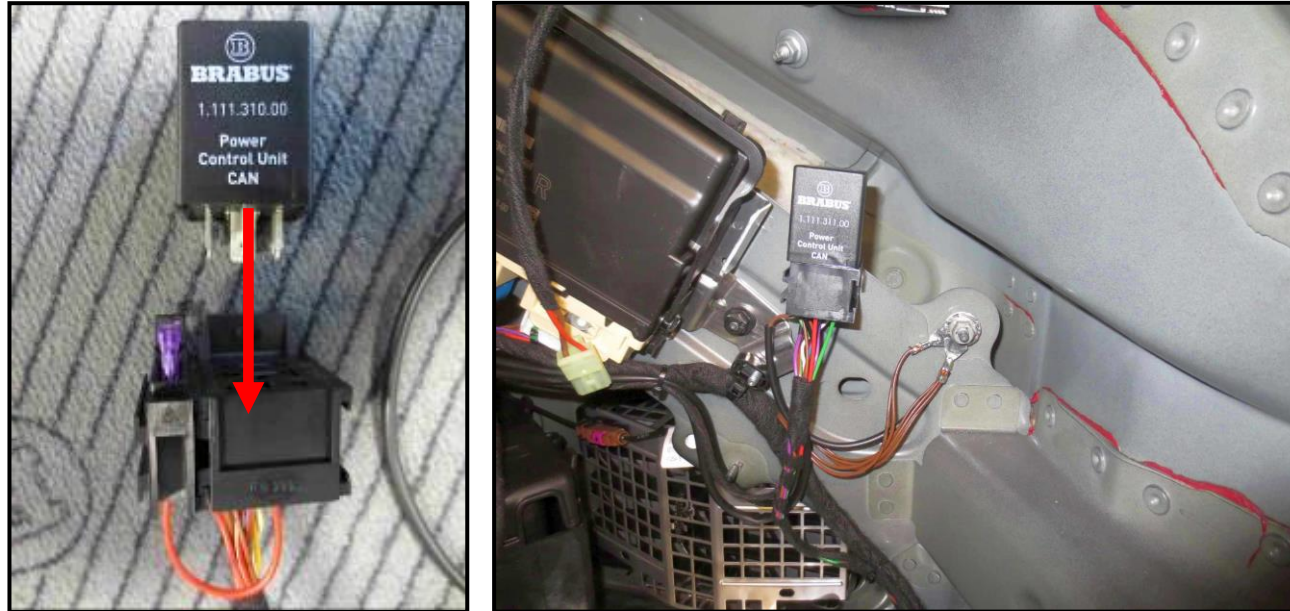


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- Connect the beeper to the Brabus wiring loom and stow it below the foam material of the back shelf. Fixate the wires to standard wiring looms using cable ties and make sure the wires are protected against sharp edges.

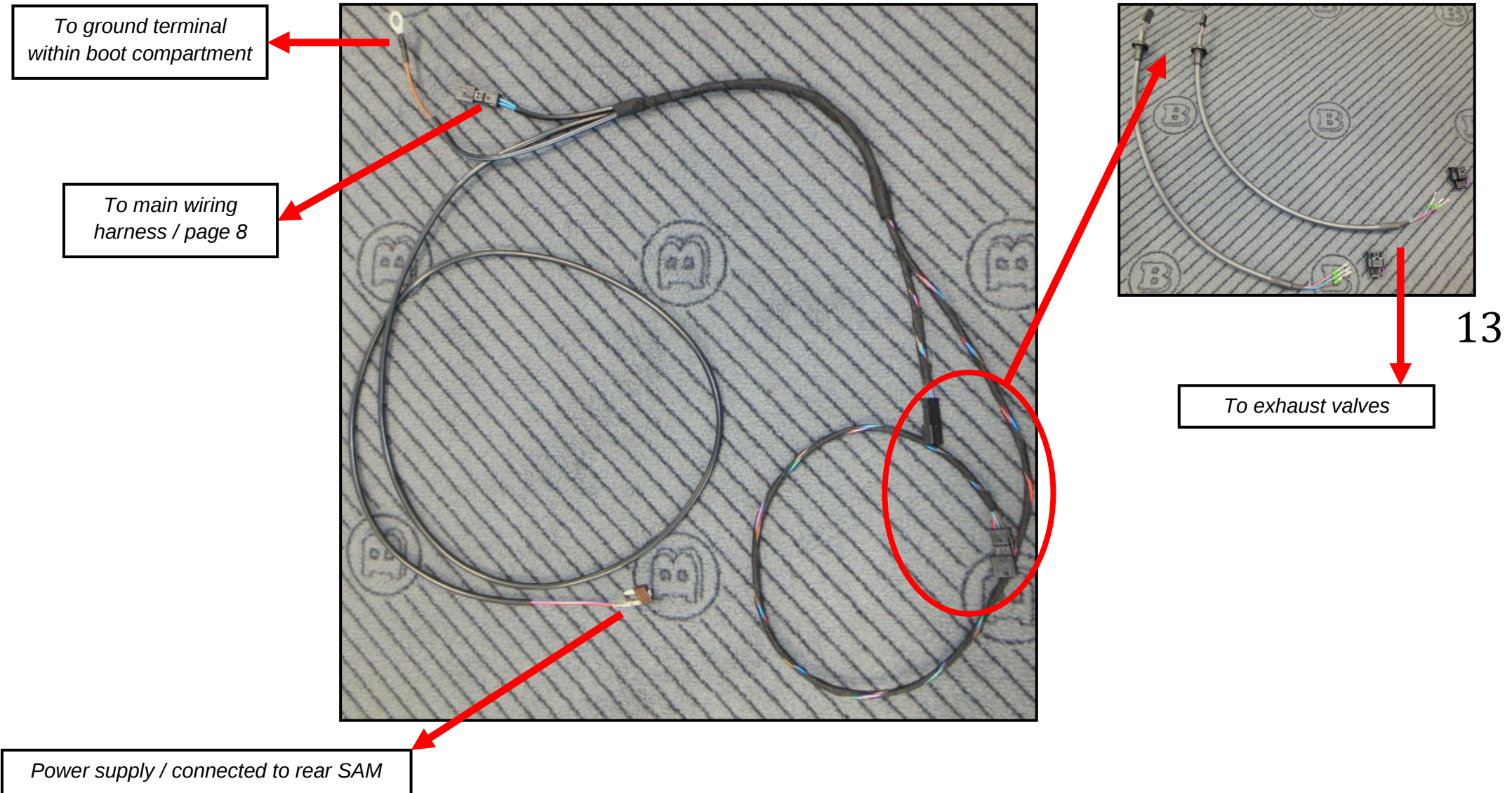


- Bolt the socket of the control unit to the area on the right side within the boot compartment. Attach the control unit to the socket.



- Bolt the ground ring lug to the ground terminal shown (right side within boot compartment).

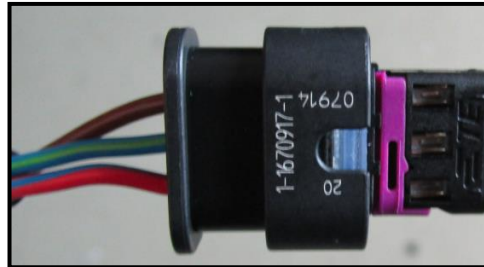
Electrical connections of 2nd wiring harness:



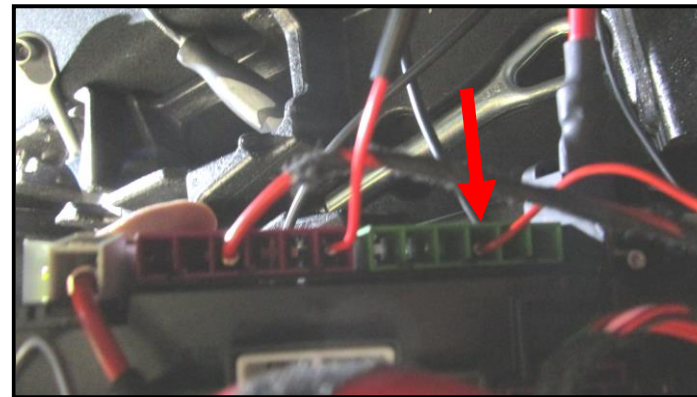
- Remove the standard rubber plugs within the rear body sheet in order to be able to route the wires for the exhaust valves through. Attach the pins of the wires to the 3-pole plugs supplied (according to assignment mentioned below). Attach the plugs to the exhaust valves.

Pin allocation:

- Pin 1 - red/ violet**
- Pin 2 - blue/ green**
- Pin 3 - brown**



- Attach the rubber sealings of the wires to the holes within the rear body sheet, connect the wiring harness to the main wiring harness.
- Attach the power supply wire of the 2nd wiring harness to the free slot shown (7.5 Amp-fuse).

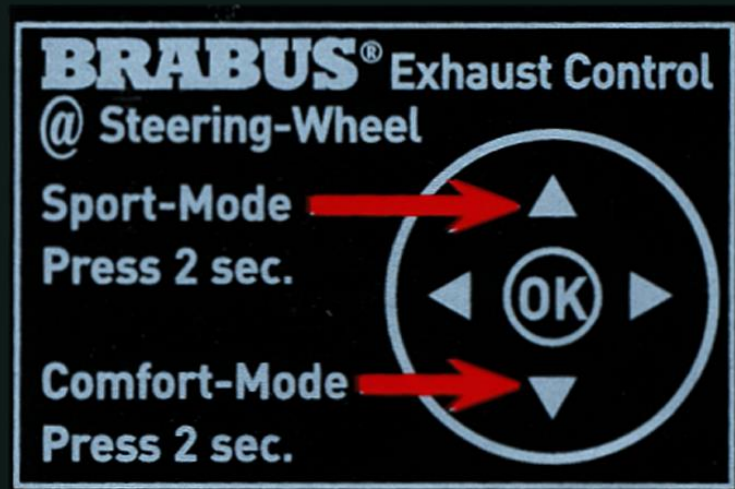


- Bolt the ground ring lug to the ground terminal within the boot compartment. Re-attach all cover- and trim parts and perform a function check. Make sure all bolt connections have been made with sufficient strength and that the exhaust system has been fitted free of tension. Re-check the alignment after having performed a test-drive.

Function description:

Vehicle always starts with the exhaust flaps in position „quiet“ (flaps closed) and can be switched to position „loud“ by using the steering wheel buttons (up and down) when driving (not when standing!).

Please regard to instructions below which are (printed) also included in delivery. Attach the printed version of the instructions to the direction-indicator control.



Die Klappensteuerung (laut / leise) erfolgt über die Lenkradbedientasten links (siehe Bild). Der Schaltvorgang wird mit einem Quittierungston angezeigt.

Sport-Mode: piep

Comfort-Mode: piep, piep

The valve control is executed via control buttons left on the steering wheel (see picture). The switching operation is followed by a beep.

Sport-Mode: beep

Comfort-Mode: beep, beep

! Please hand this information over to the customer!

Additional function:

In addition to the known functions of the valve controlled exhaust system (switch between sport and comfort-mode) the exhaust system can be switched from **EC-mode** to **Expert-mode**.

Push and hold the button for more than five seconds in order to avoid an unintentional change between the modes.

Activation of Expert-mode:

By pushing the “Sports”-button for more than five seconds the system can be switched to **Expert-mode**.

This means that the exhaust valves standardly are in Sports-mode when the car is started (valves open).

Attention:

This is exclusively an export mode.

When the system standardly is switched to Sports-mode the EC type approval no longer is valid and, depending of the country the car is registrated to, there is no insurance protection.

Activation of EC-mode:

By pushing the “Comfort”-button for more than five seconds the system can be switched to EC-mode.

This means that the exhaust valves standardly are in Comfort-mode when the car is started (valves closed).

