



BRABUS®

213-676-43

Valve controlled sports exhaust for W213 - E43 AMG – 4 Matic



Installation guide

Official technology-partners



Member of



English



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.

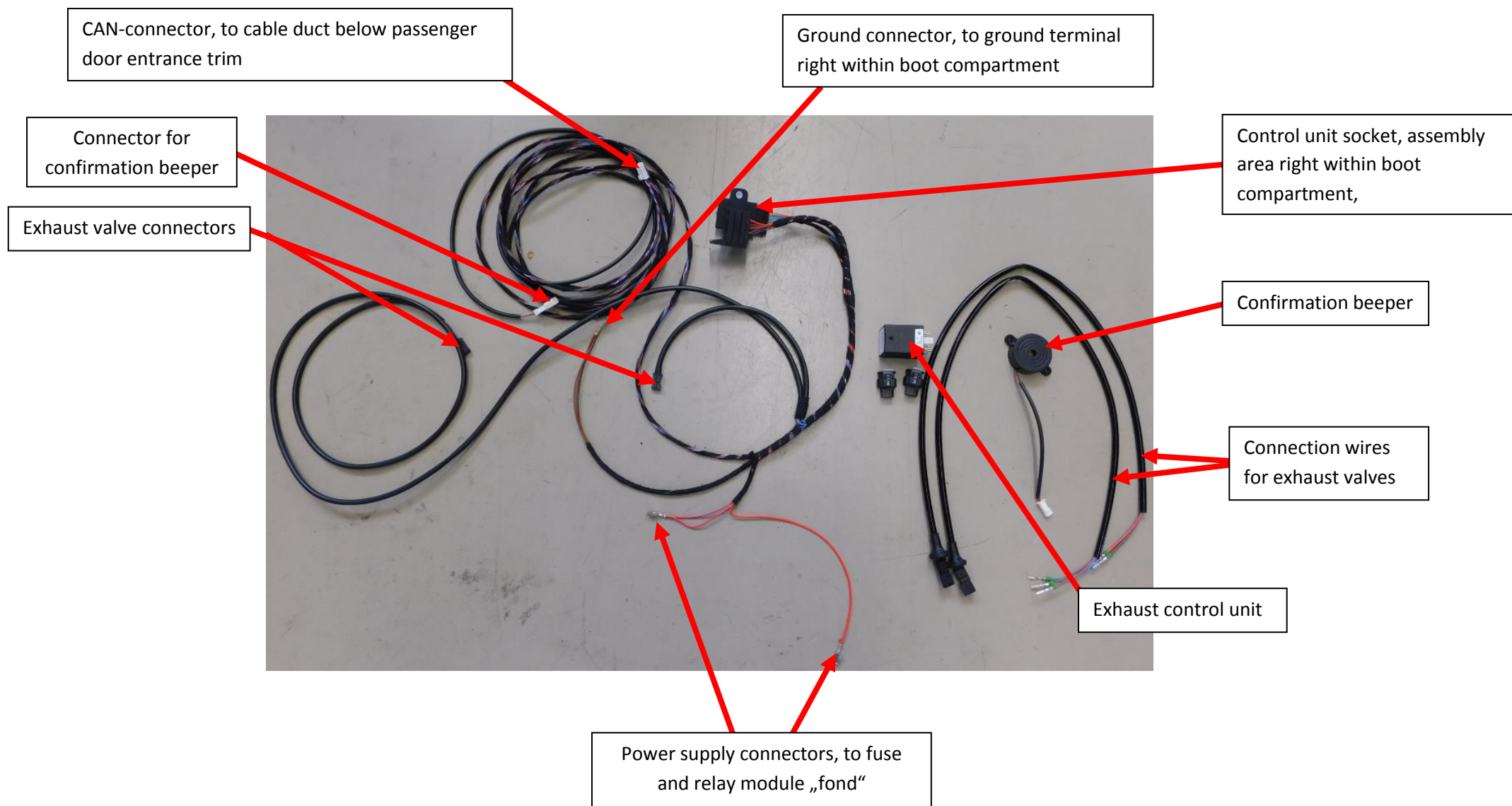
The Stainless steel valve controlled sports exhaust system only can be assembled in combination with the Brabus rear diffuser (article-no. 213-420-00).

Included in delivery of Brabus valve-controlled sports exhaust system:

1x	Set of rear silencers	213-676-43-ESD
1x	Pre-silencer incl. connection pipes	213-676-43-VSD
1x	Assembly kit	213-676-99
1x	Control unit (no relay!)	213-676-65
1x	Exhaust bracket	213-354-00

Preparation:

- Assemble the Brabus rear diffuser according to Brabus installation guide.
- Lift the vehicle on a suitable platform with due regard to Mercedes-Benz workshop guidelines, at the Mercedes-Benz prescribed lifting positions.
- Disassemble the entrance trims at the passenger side entrance areas, the right lower a-trim pillar and the right lower dashboard cover (according to Mercedes-Benz assembly instructions).
- Open the plastic cable housing underneath the entrance trim at the passenger door to gain access to the CAN distributor.
- Remove the boot compartment flooring and the trim of the spare wheel well to gain access to the fuse and relay module „fond“.
Remove the right sidewall trim within the boot compartment (Loosen the lashings and the retaining clips, disconnect electrical connections).
- Loosen the fond fuse and relay module within the boot compartment.

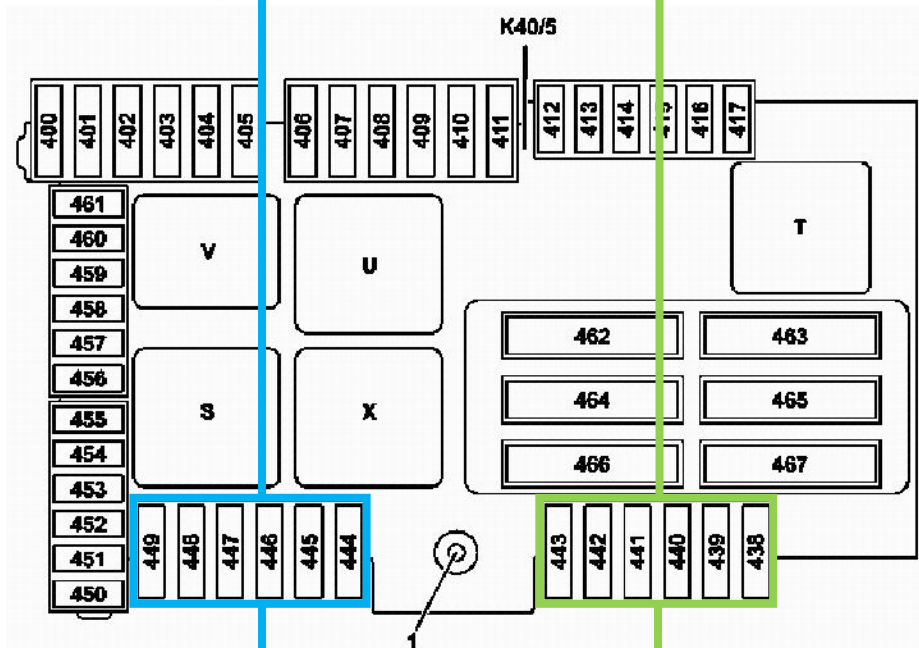
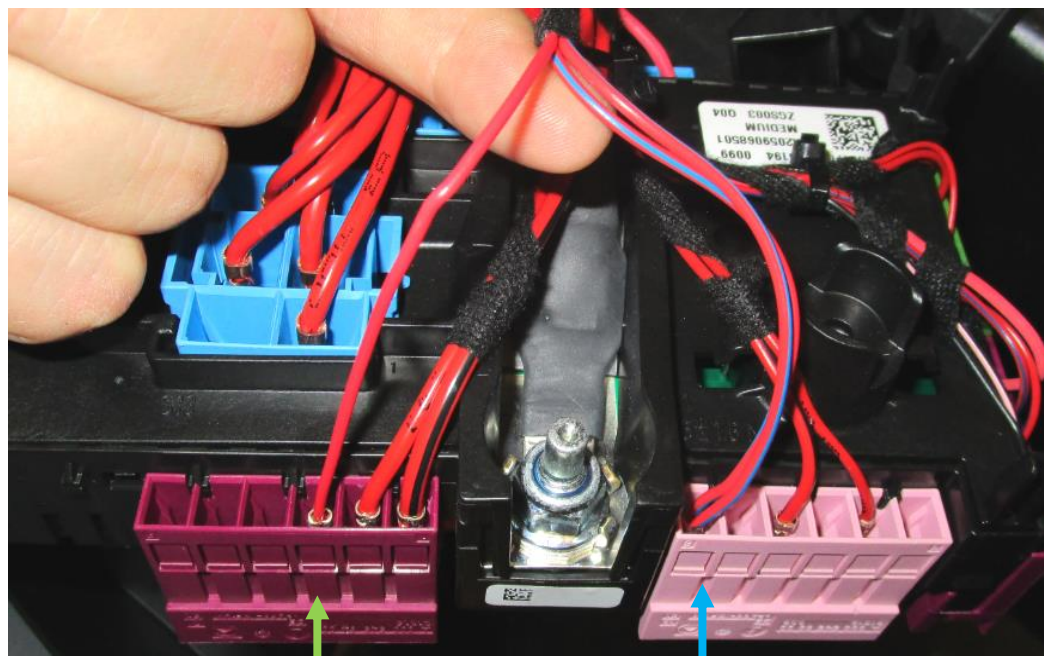
Wiring loom overview:

Electrical connection:

- Start routing the wiring harness on the right side within the boot compartment.
- Attach the control unit socket to the standard bolt using the lock nut M6 supplied according to image below. Attach the control unit to the socket.



- Route the power supply wires of the Brabus wiring harness to the fuse and relay module „fond“ (K40/ 5).
- Attach the power supply connectors to the standard plugs of fuse and relay module according to illustrations and allocations below.
 - Wire RD to K40/ 5f444
 - Wire RD – BU to K40/ 5f441



- Attach the fuse and relay module back to it's housing.

- Bolt the ground ring lug to the ground terminal right within the boot compartment.

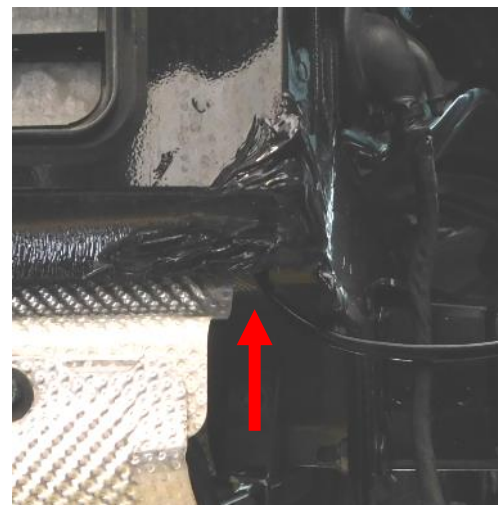
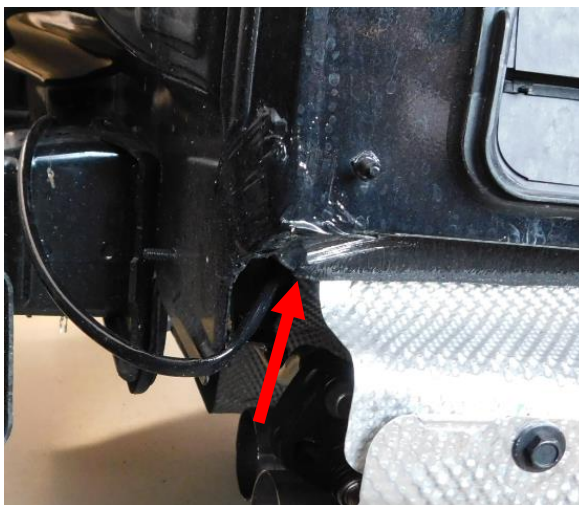
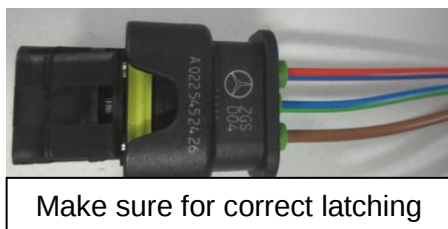


- Take the left and right rubber plug out of the side parts. Route the exhaust wires through to the holes into the boot compartment and attach the rubber plugs of the wires to the holes. Attach the lines of the exhaust wires to the 3-pole plugs supplied as mentioned below:

RD-BL → Slot 1

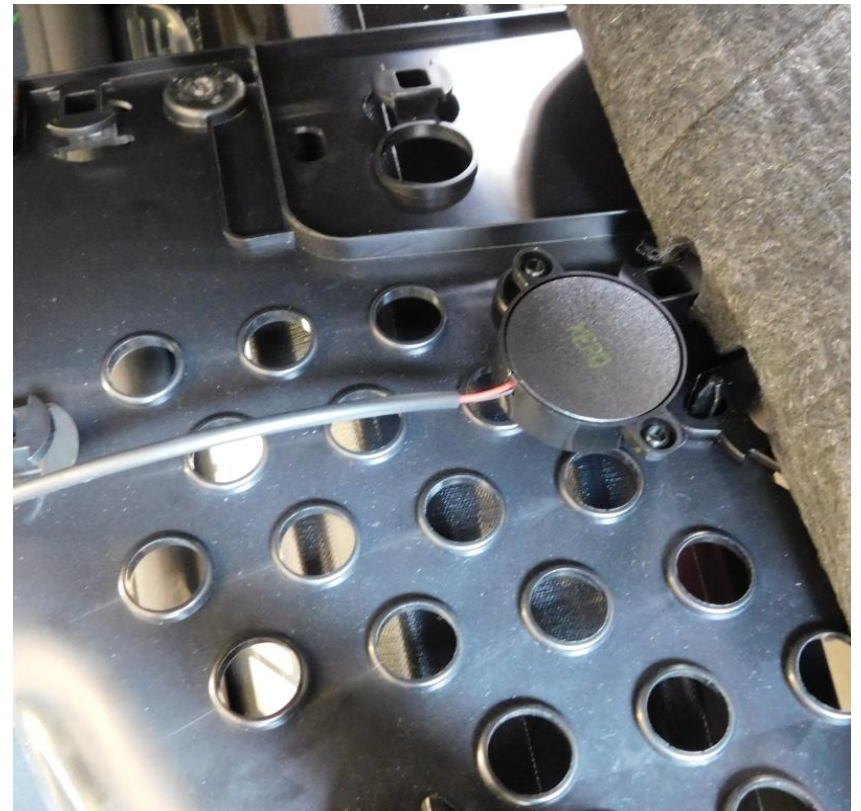
BU-GN → Slot 2

BN → Slot 3

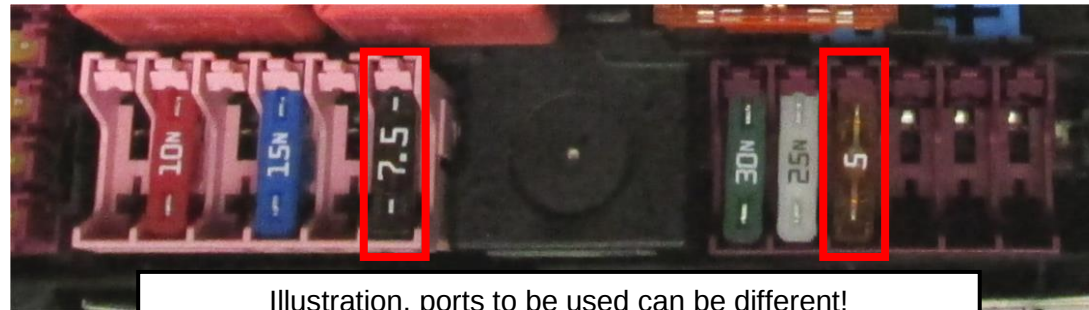


- Route the CAN wires and the wires for the beeper of the Brabus wiring loom above the rear right wheelhouse and frontwards. Route it to the passenger entrance area to the CAN-distributor shown. Attach the plug to a free port of the CAN-distributor. Connect the beeper to the Brabus wiring loom and stow it below the foam material of the lower dashboard cover.





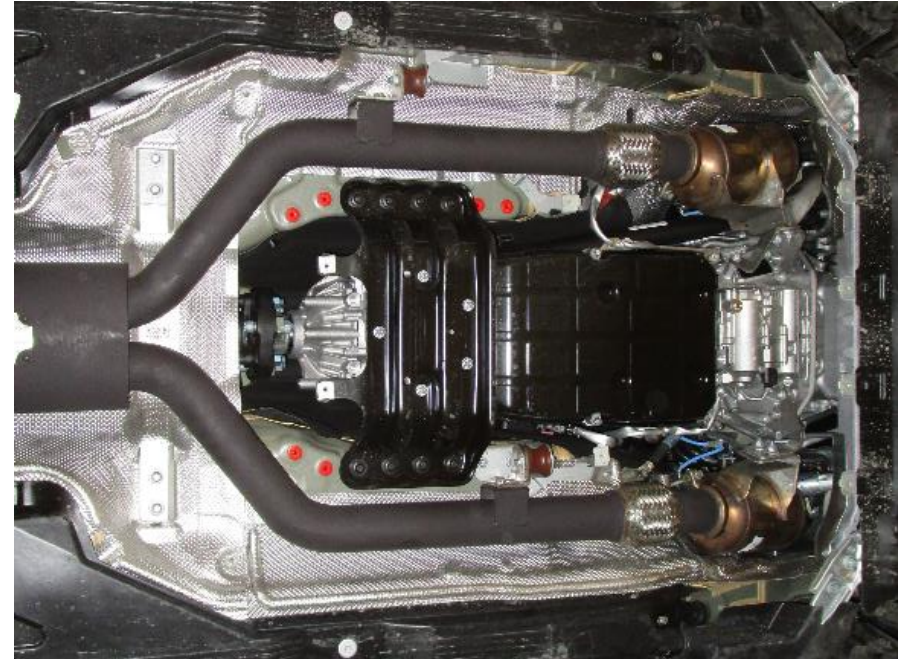
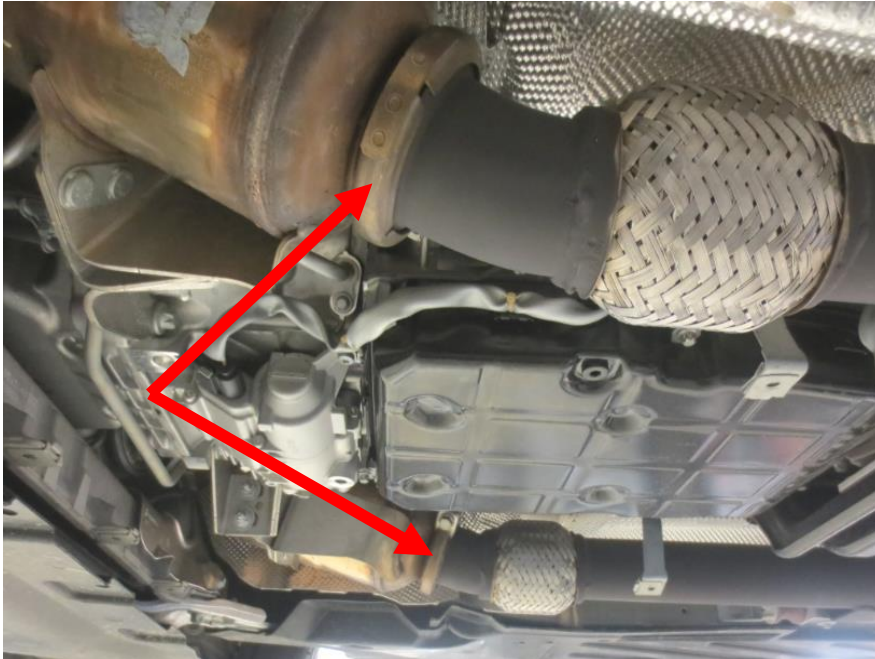
- Attach the exhaust control unit to the control unit socket.
- Attach the fuses supplied to the fuse ports as follows:
 - 5Amp fuse to K40/ 5f441
 - 7,5Amp fuse to K40/ 5f444



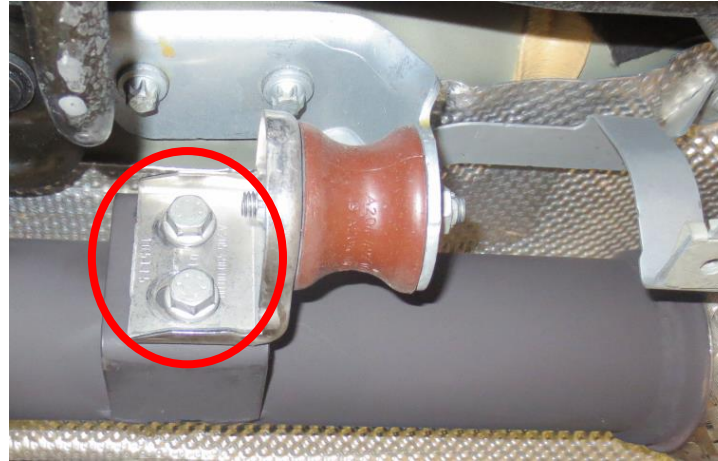
- Re-attach all trims and make sure the wiring harness has been properly routed.

Assembly of valve controlled exhaust system:

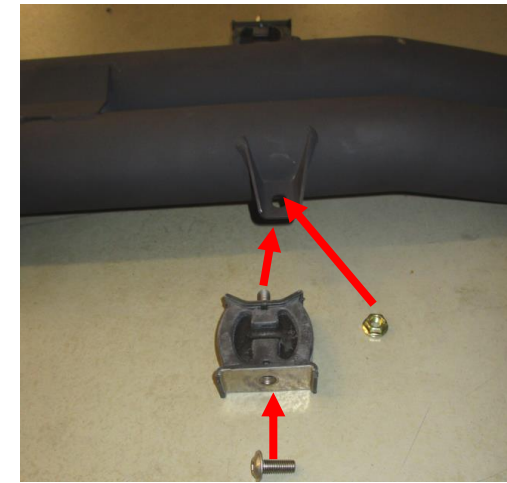
- Remove the cross strut at the vehicle underbody.
- Remove the standard exhaust system including the pre-silencer by loosening the clamp connections behind the catalysts and pull the exhaust system out of the exhaust rubber supports. While disassembly please regard to the Mercedes-Benz instructions. Remove the exhaust brackets of the standard exhaust system.
- Connect the pre-silencer to the connectors of the catalysts using standard clamps.



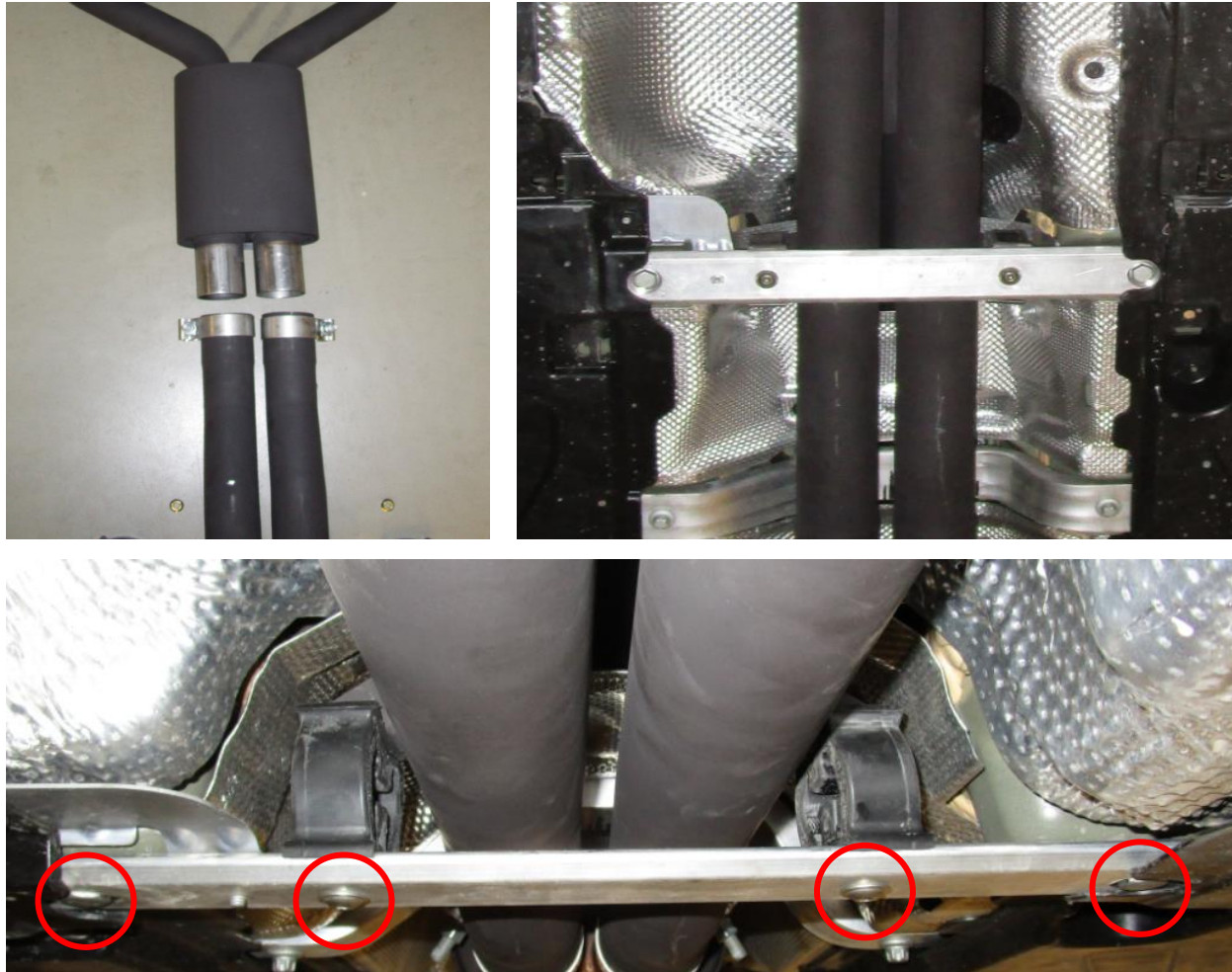
- Bolt the standard brackets to the Brabus pre-silencer and connect the brackets to the vehicle underbody using the standard bolts.



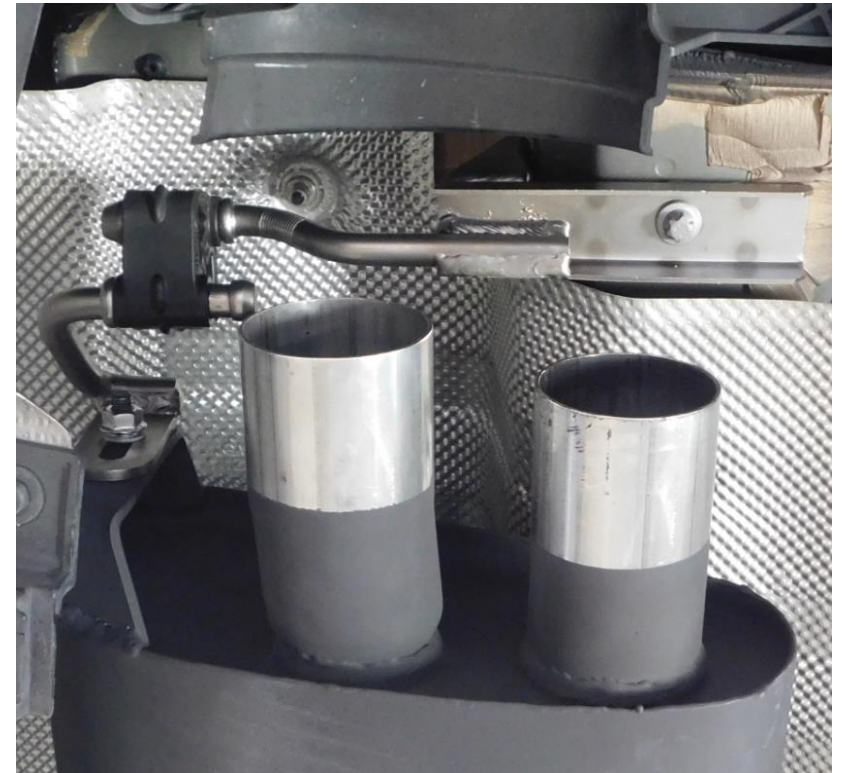
- Attach the exhaust supports to the connection pipes using screws/ nuts supplied.



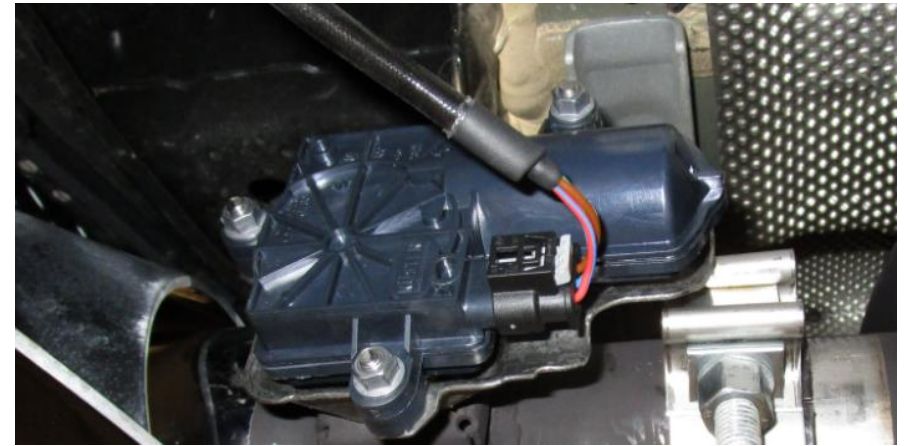
- Connect the connection pipes to the pre-silencer using clamps supplied. Bolt the underbody strut to the supports and to the vehicle underbody.



- Replace the exhaust brackets at the vehicle underbody under usage of brackets supplied. Attach the standard exhaust rubbers to the brackets and attach the silencer brackets to the exhaust rubbers. Connect the rear silencers to the connection pipes using adapters/ clamps supplied and hang the rear silencers to the exhaust brackets. Fixate the brackets to the rear silencers using assembly material supplied. Slightly tighten the bolts and align the exhaust system. Take care for sufficient clearance of the exhaust system and that it was assembled free of tension.



- Attach the exhaust pipes to the rear silencers according to illustrations below using the clamps supplied. The exhaust pipes with the actuators are assembled to the inner connectors of the rear silencers. Pre-tighten the clamps to be able to align the exhaust pipes. Attach the plugs of the Brabus wiring harness to the actuators. Make sure the electrical lines for the actuators have been properly routed and cannot be damaged by heat or sharp edges.



- Align the exhaust pipes, make sure these are evenly aligned inside the diffuser cutouts and that the lengths are equal on both sides (Slightly outstanding of the rear diffuser).

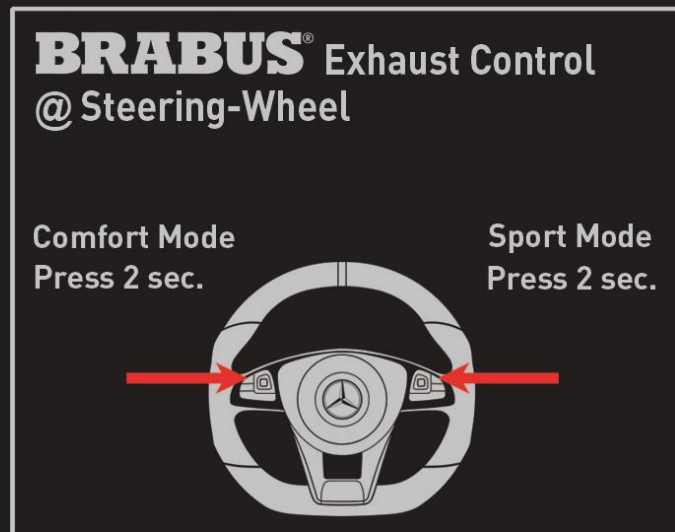


- Finally tighten all bolt connections and clamps.
- Perform a test-drive and test the function of the electric valves.
- Re-check the alignment after the test-drive and re-align, if necessary.

Function description:

Vehicle always starts with the exhaust flaps in position „quiet“ (flaps closed) and can be switched to position „loud“ by using the left and right steering wheel buttons.

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



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:

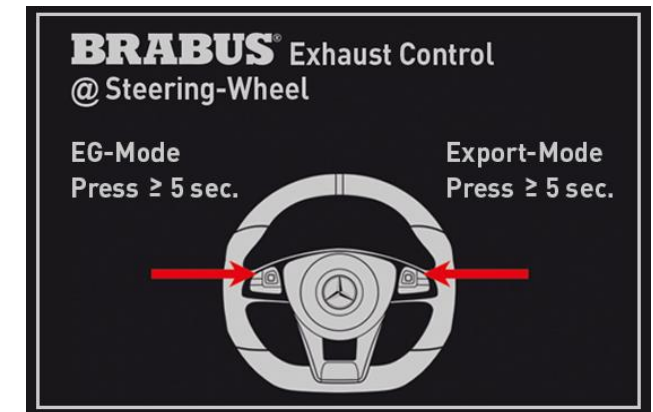
By pushing the “Sports”-button for more than five seconds the system can be switched to **Expert-mode**.

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).