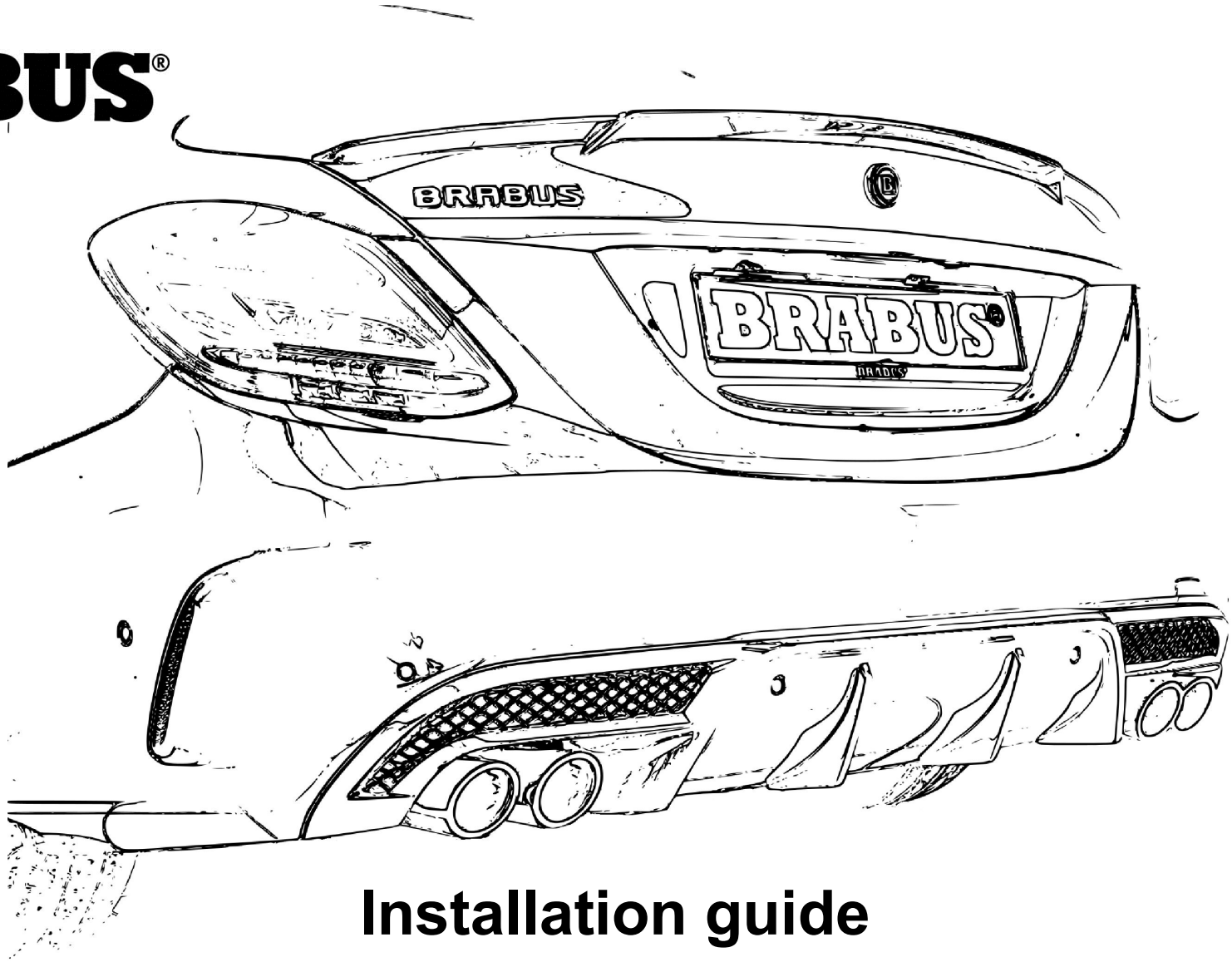
BRABUS®



Installation guide

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

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 diffusor (article-no. 205-420-00).

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

1x	Set of rear silencers	205-676-45-ESD
1x	Pre-silencer incl. connection pipes	205-676-45-VSD
1x	Assembly kit	205-676-99
1x	Control unit (no relay!)	205-676-65
1x	Wiring harness	205-600-99
1x	Beeper for switch confirmation	
1x	Lock nut M6	
2x	Plug housing, 3-pole	A 022 545 2426
1x	Fuse 5Amps	
1x	Fuse 7,5Amps	

Preparation:

- Assemble the Brabus rear diffusor 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.

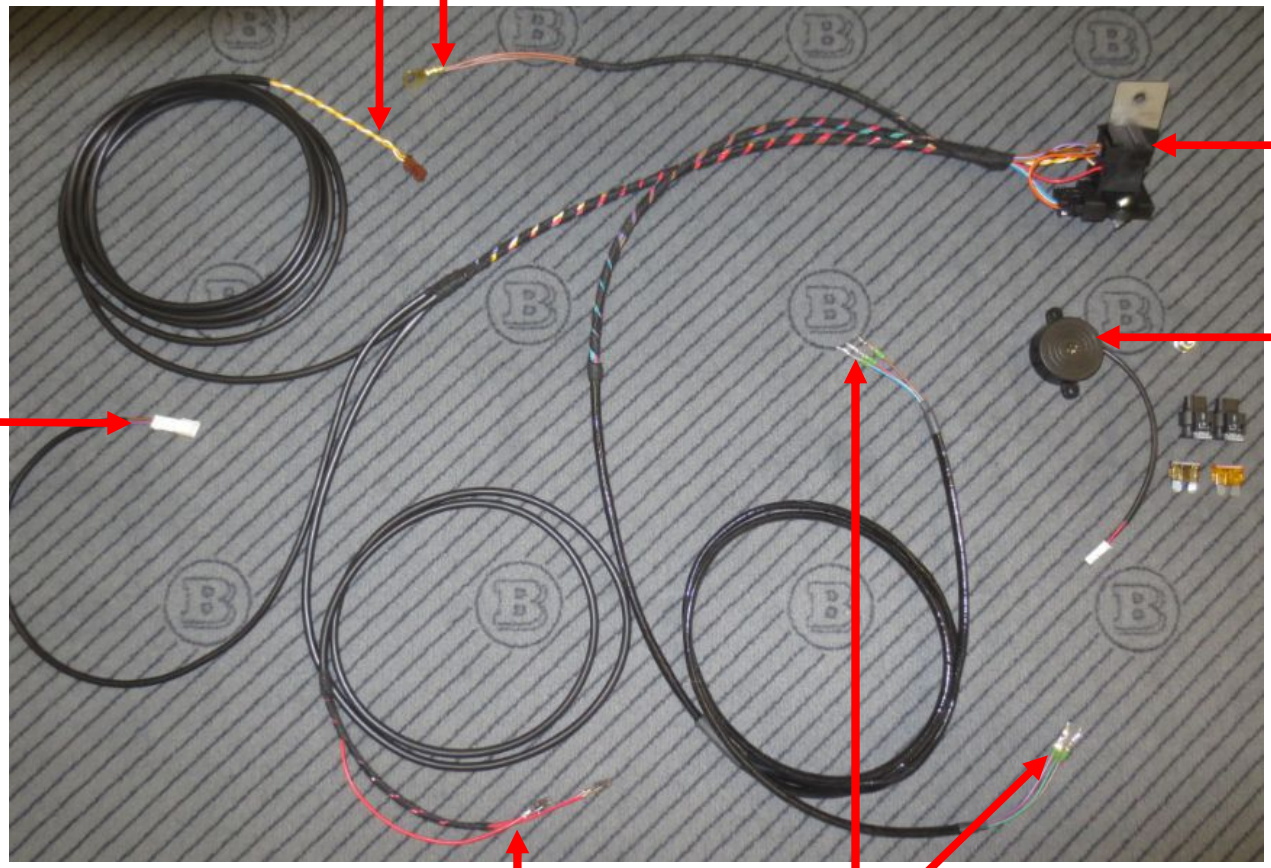
- Disassemble the entrance trims at both the passenger side entrance areas and the left lower a-trim pillar (regard to Mercedes-Benz assembly instructions).

- Open the plastic cable housing underneath the entrance trim at the passenger door to gain access to the CAN distributor (with wire colors YE, YE-WH).

- Remove the boot compartment flooring and the trim of the spare wheel well to gain access to the fuse and relay module „fond“ (K40/ 5). Remove the right sidewall trim within the boot compartment (Loosen the lashings and the retaining clips, disconnect electrical connections).

- Loosen the fuse and relay module (K40/ 5).

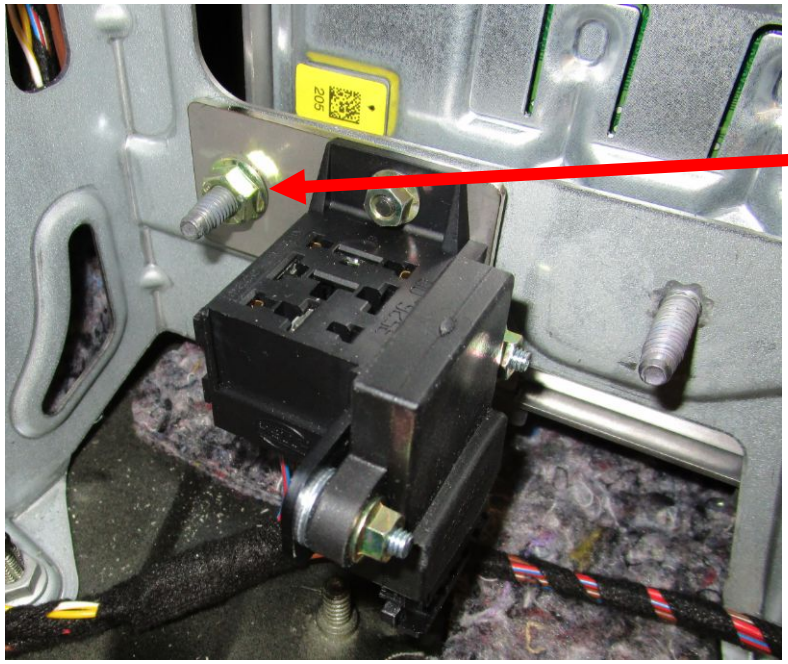
Wiring loom overview:

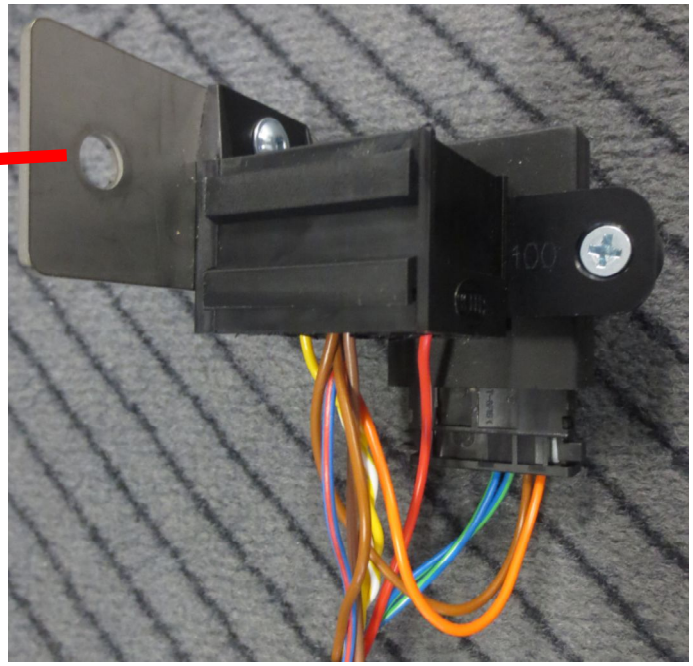


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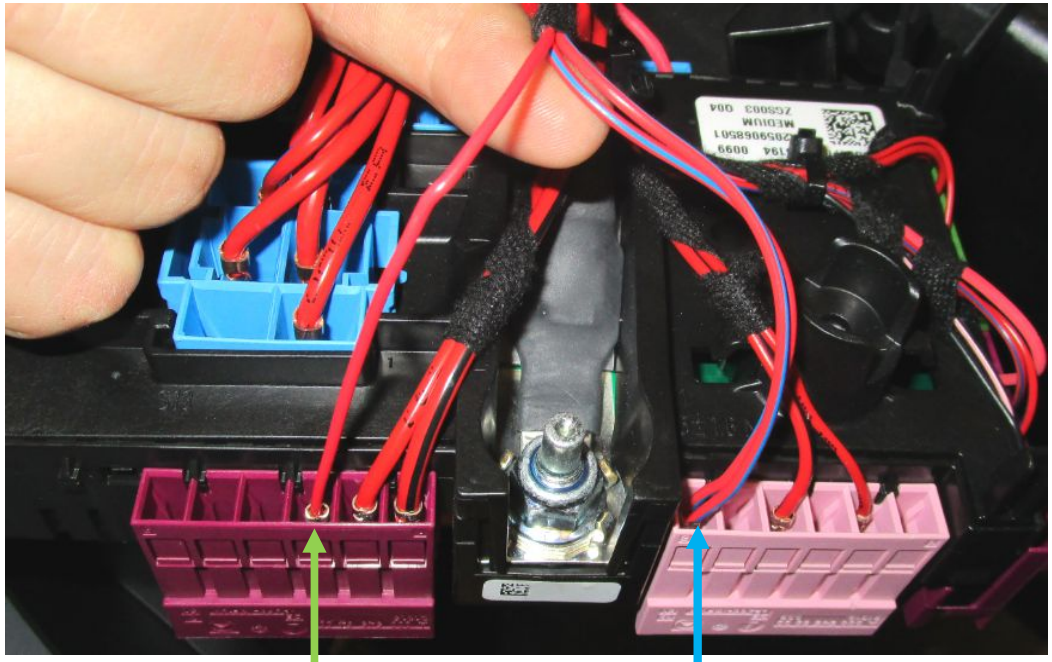
Electrical connection:

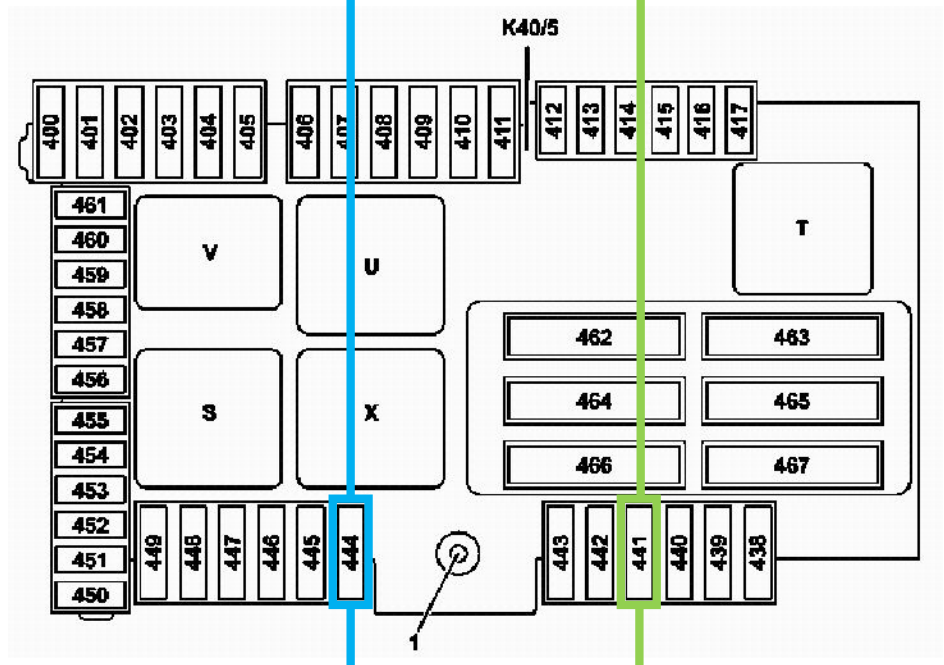
- Start routing the wiring harness on the right side within the boot compartment.
- Attach the control unit socket to the standard bolt using the lock nut M6 supplied according to images below.





- 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 slot 441 (K40/ 5f444)
    - Wire RD – BU to slot 444 (K40/ 5f441)



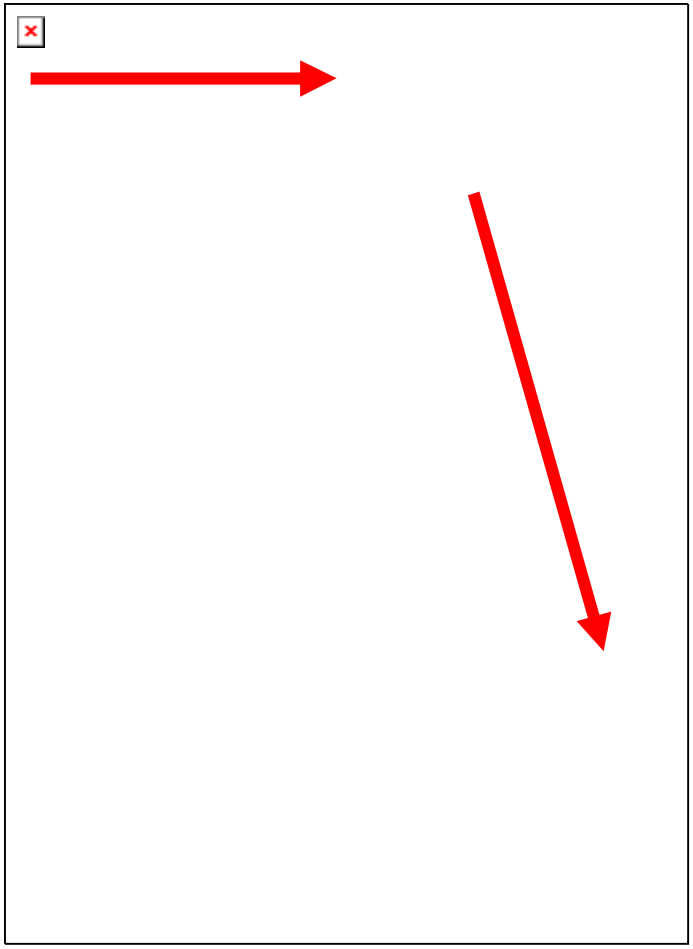


- Attach the fuse and relay module back to it’s housing.

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



- Perform a small cut inside the center area of the rubber grommet shown to be able to route the wires for the exhaust valves through. Route the wires for the exhaust valves through the rubber grommet and out of the vehicle. Seal the implementation sufficiently.

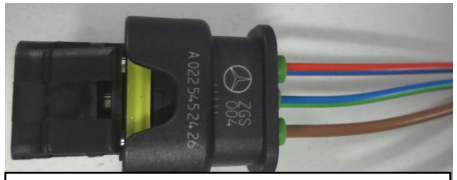


- Attach the wires to the plugs according to below mentioned allocation:

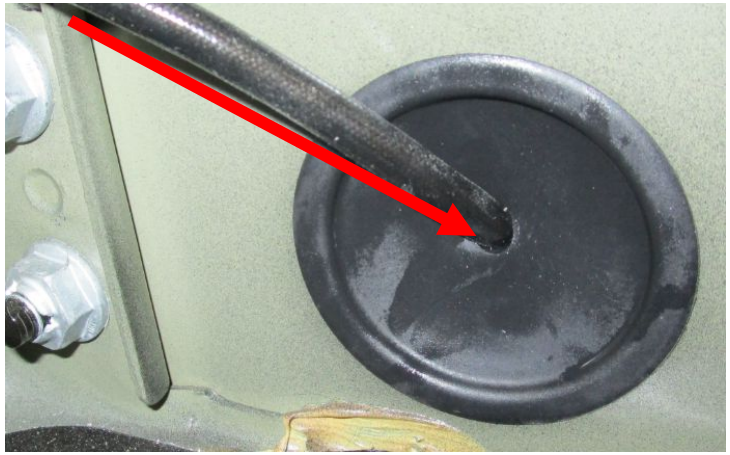
RD-BL → Slot 1

BU-GN → Slot 2

BN → Slot 3



Take care for correct latching

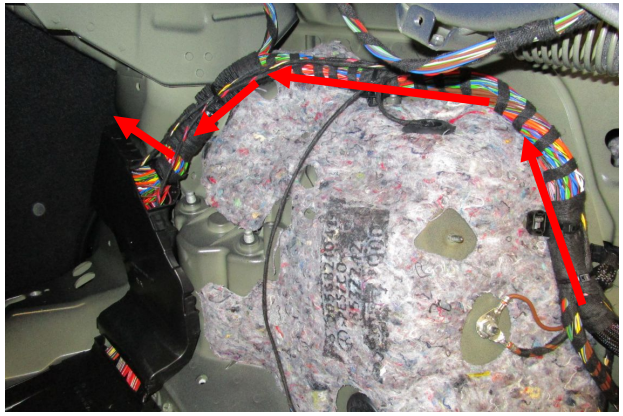


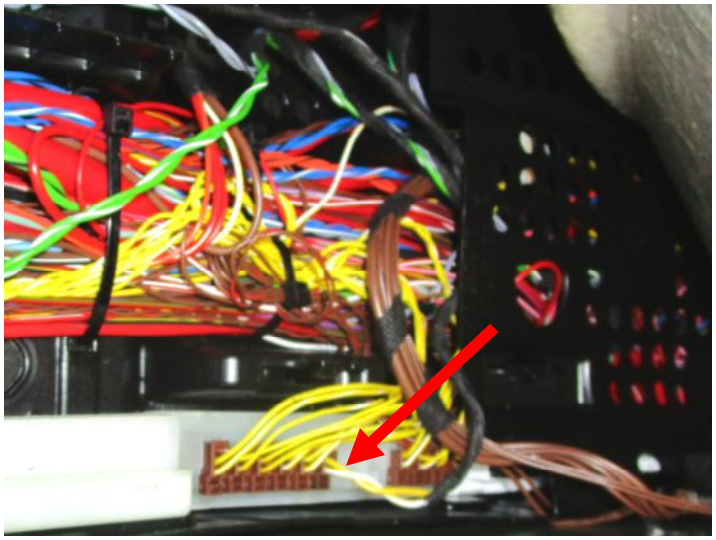
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- Connect the beeper to the Brabus wiring loom and stow it below the foam material of the back shelf.
  Fixate the wires to standard wiring looms



- Route the CAN wires of the Brabus wiring loom above the rear right wheelhouse and frontwards.
  Route it to the passenger entrance area to the CAN-distributor shown
  (wire colors YE & YE-WH).
  Attach the plug to a free port of the CAN-distributor.

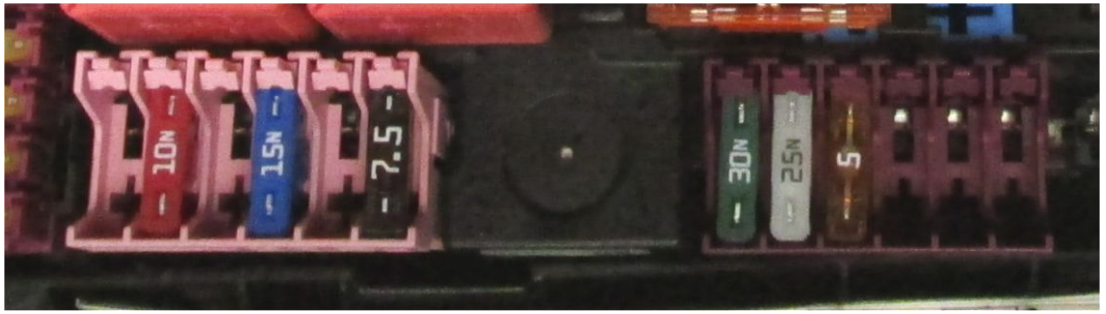




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- Attach the exhaust control unit to the control unit socket.
- Attach the fuses supplied to the fuse ports as follows:

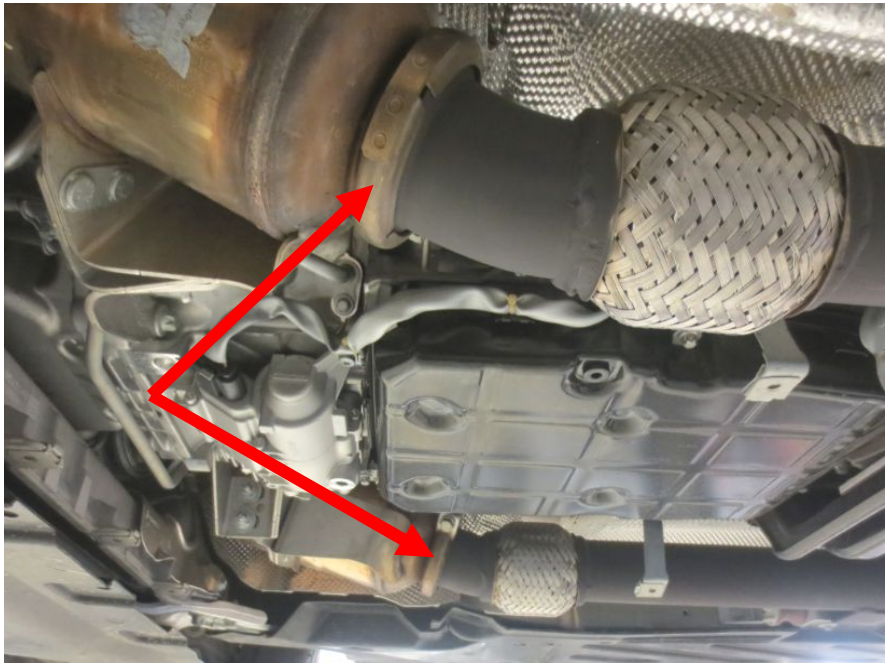
  - 5Amp fuse to port 441 (K40/ 5f441)
  - 7,5Amp fuse to port 444 (K40/ 5f444)

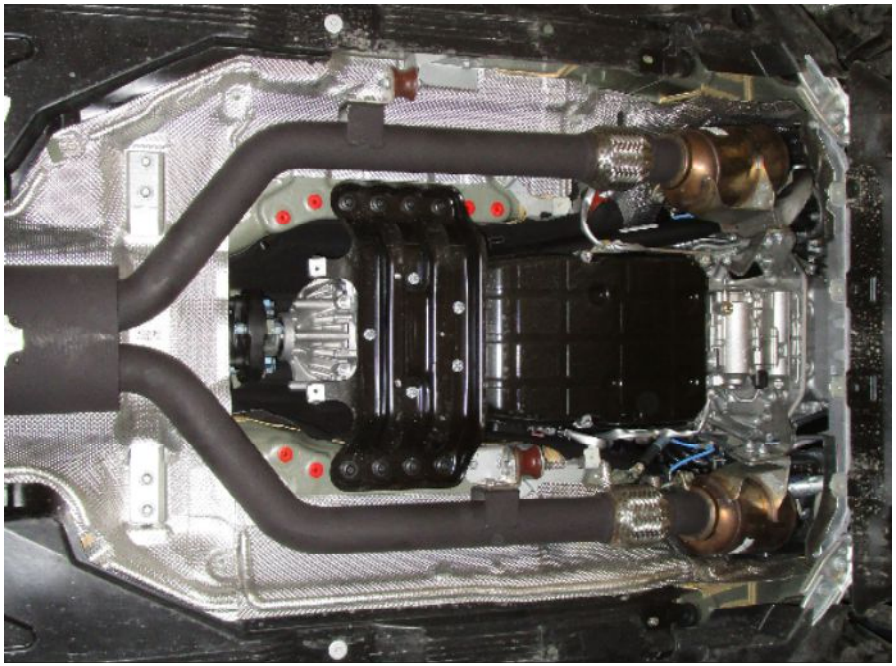


- Re-attach all trims and make sure the wiring harness has been properly routed.

Assembly of valve controlled exhaust system:

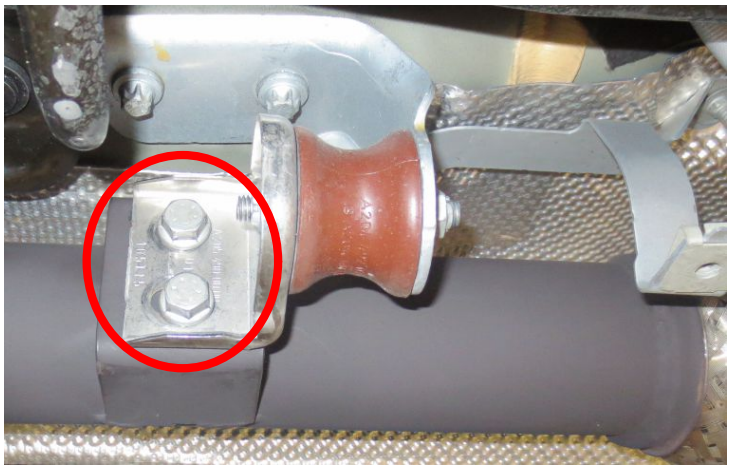
- Remove the cross strut at the vehicle underbody.
- Remove the standard exhaust system including the pre-silencer by loosening the clamp connections behind the catalysts and pull the exhaust system out of the exhaust rubber supports. While disassembly please regard to the Mercedes-Benz instructions.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





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- 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.

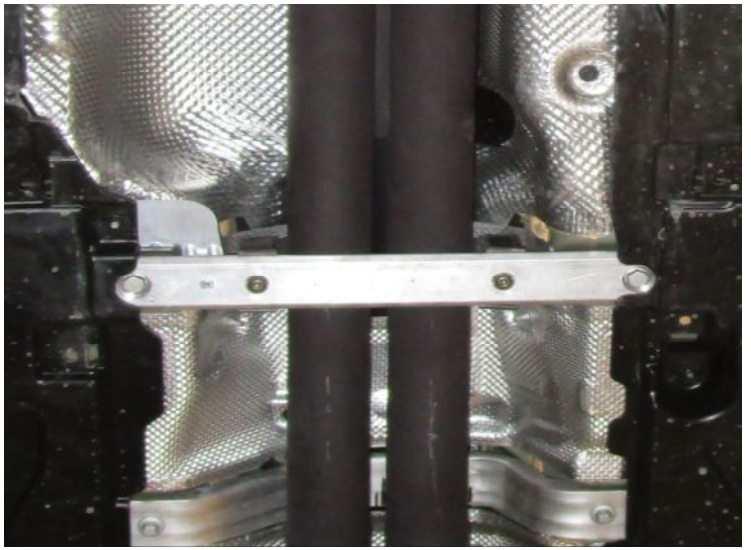


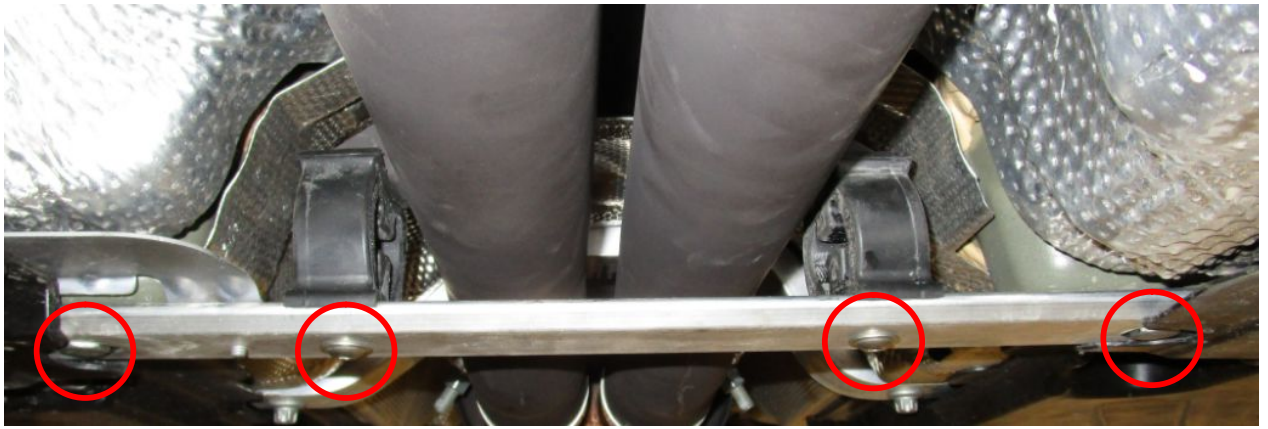


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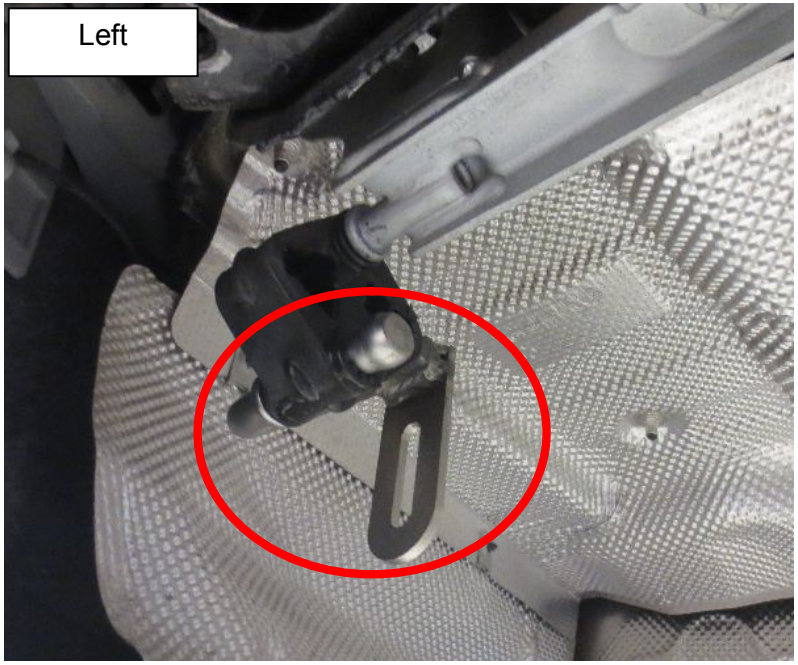
- Connect the connection pipes to the pre-silencer using clamps supplied. Bolt the underbody strut to the supports and to the vehicle underbody.

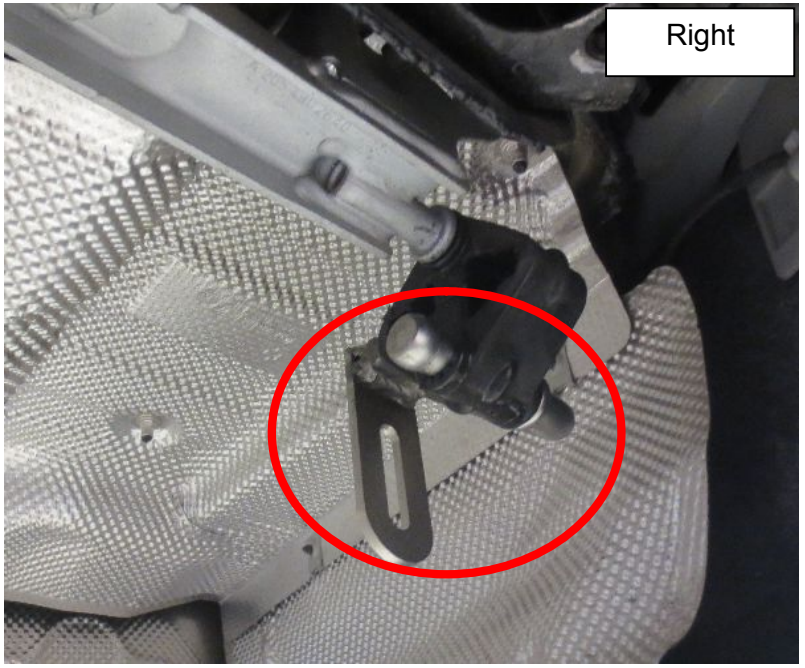




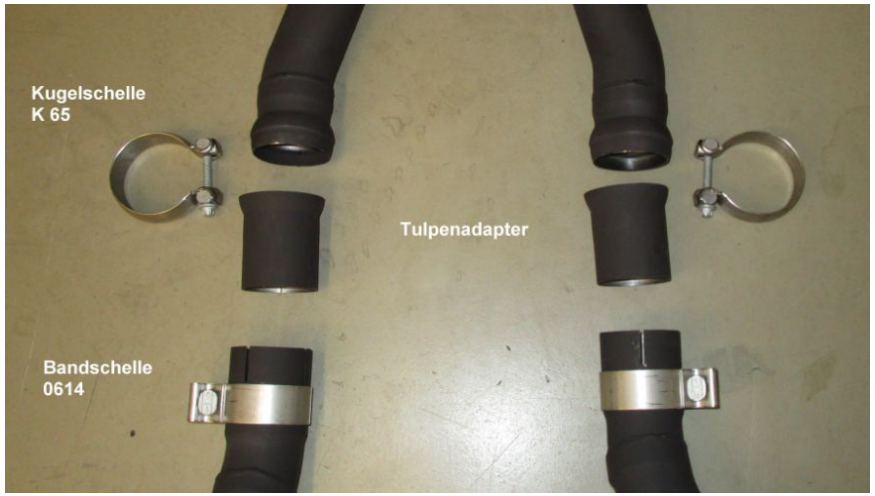


- Attach the brackets to the standard exhaust rubber supports.





- 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.

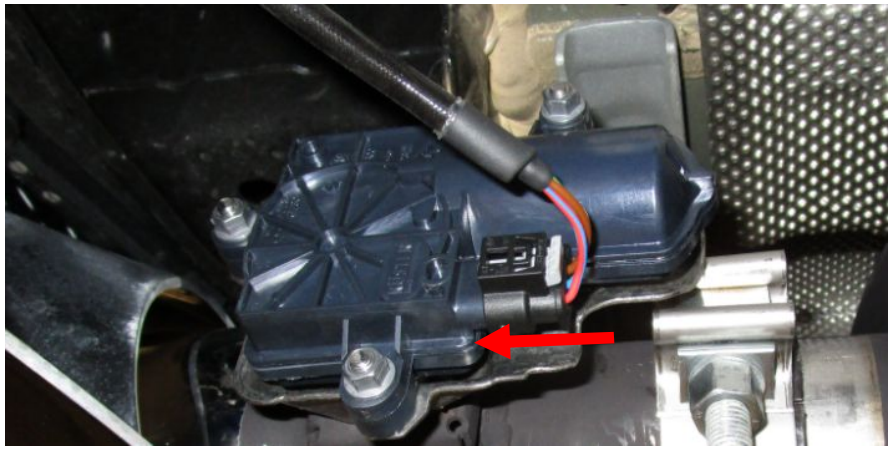




- Attach the exhaust pipes to the rear silencers according to illustrations below using the clamps supplied. The exhaust pipes with the actuators are assembled to the inner connectors of the rear silencers. Pre-tighten the clamps to be able to align the exhaust pipes. Attach the plugs of the Brabus wiring 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.







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



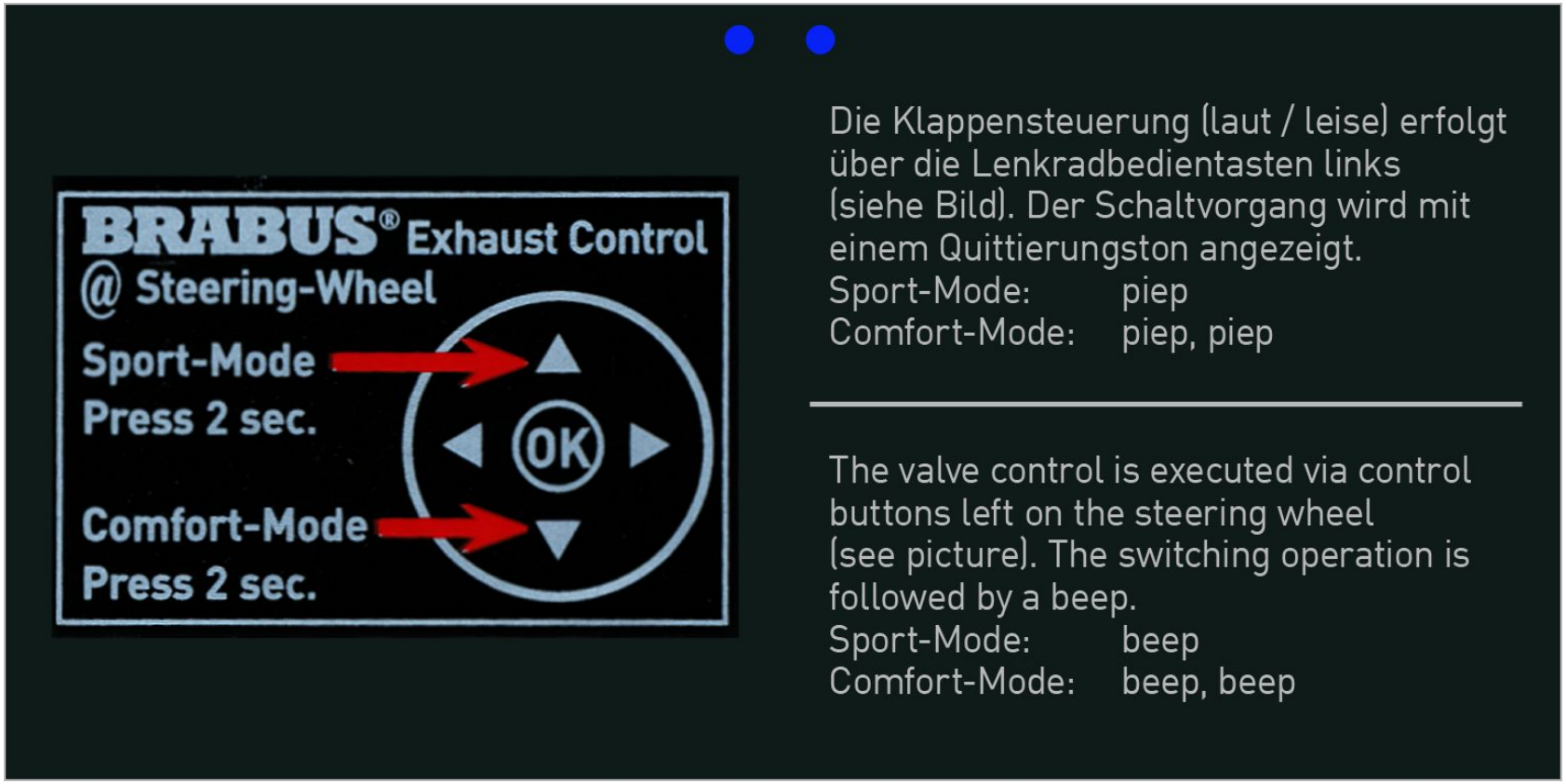
- Finally tighten all bolt connections and clamps.
- Perform a test-drive and test the function of the electric valves.
- Re-check the alignment after the test-drive and re-align, if necessary.

Beschreibung: S:\Allgemein\Vorlagen\Logo\Brabus Schriftzug.tif

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 lever.

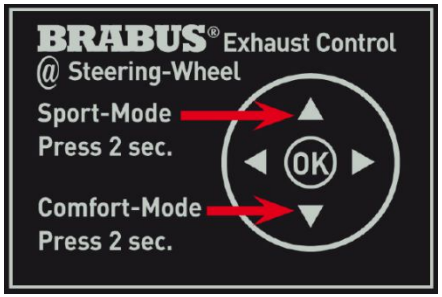


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! Please hand this information over to the customer!

Additional function:

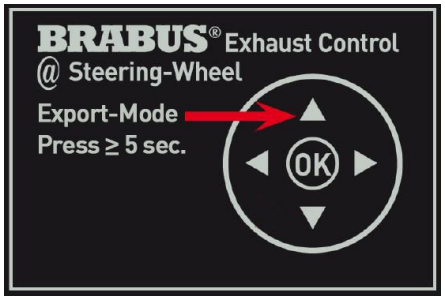
In addition to the known functions of the valve controlled exhaust system (switch between sport and comfort-mode) the exhaust system can be switched from **EC-mode** to **Expert-mode**.
Push and hold the button for more than five seconds in order to avoid an unintentional change between the modes.



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).

