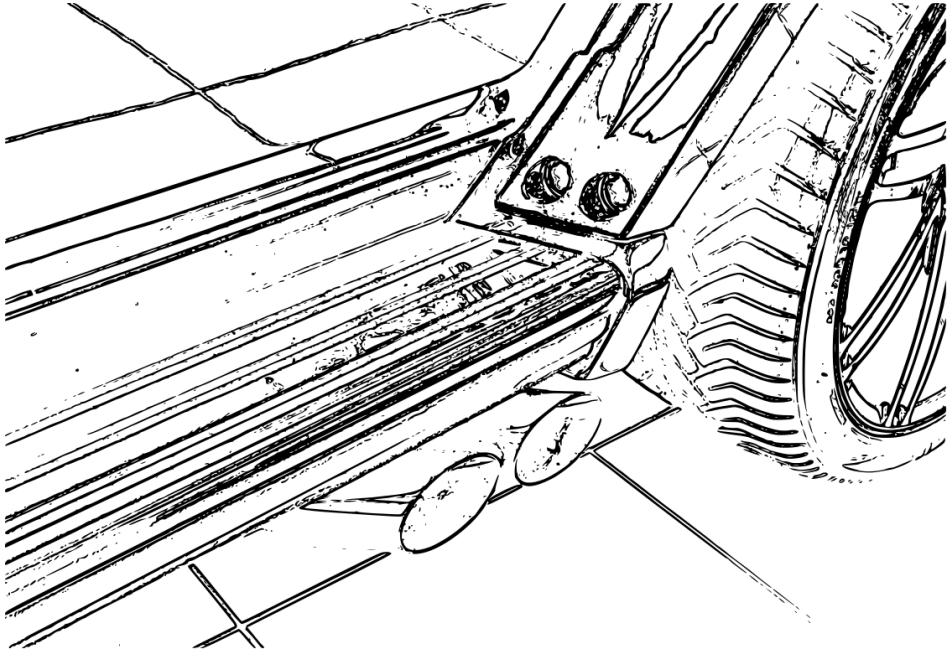
BRABUS®



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 of valve controlled sports exhaust 463-678-63:

1x	Exhaust system base set Consisting of:	463-678-63_65
2x	Rear silencer L/R	463-678-63A_65A
1x	Wiring harness for control unit	463-600-95
1x	Control unit “BRABUS Power Control”	463-600-64
1x	Piezo beeper	
1x	Assembly kit Consisting of:	463-600-98
1x	Control valve	275 153 01 59
1x	Filter	117 078 09 81
1x	Control valve bracket	271 141 13 40
2,6m	Low pressure plastic tube	000 158 14 35
2x	T-hose connectors 4 mm	WU 50025029
14x	Clamp for low pressure lines	WU 541001085
1,5m	Low pressure hose 3.5 mm	BE 298190

For use of the exhaust system on vehicles G500/ 4x4² the standard exhaust carriers must be replaced and are to be ordered seperately.
Brabus article-no. 463-678-63-M176, or Mercedes-Benz part no.
A 463 490 36 40 can be used.

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Preparation:

- Lift the car on a suitable platform at the Mercedes-Benz prescribed lifting positions with due regard to valid safety guidelines.
- Remove the standard rear silencers, by unfastening the standard clamps and remove the standard exhaust carriers.

Assembly of Brabus rear silencers:

- Attach the exhaust carriers supplied for the left and right side (fig. 1).
- Apply a few silicone fluid to the exhaust rubber supports in order to be easier able to attach the rear silencers to the brackets.
- Lead the exhaust brackets to the rubber supports and fixate the rear silencers (fig. 2).

Fig 1

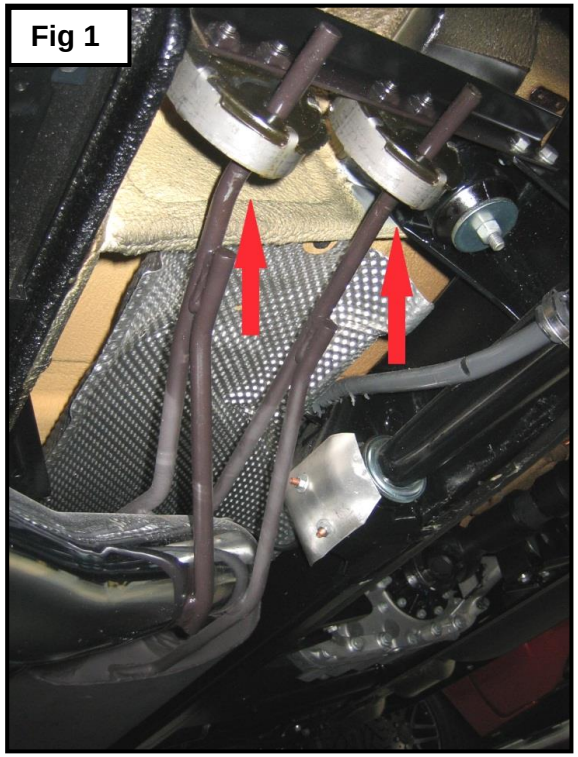
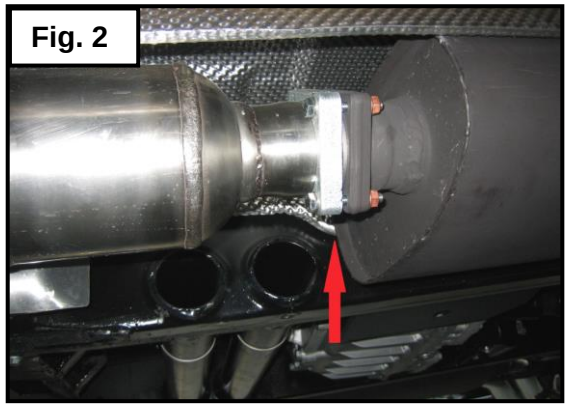


Fig. 2

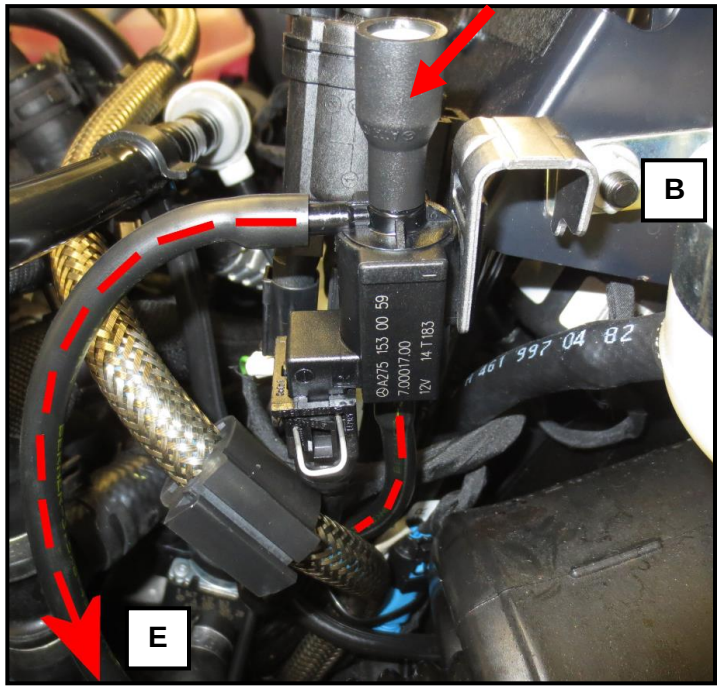


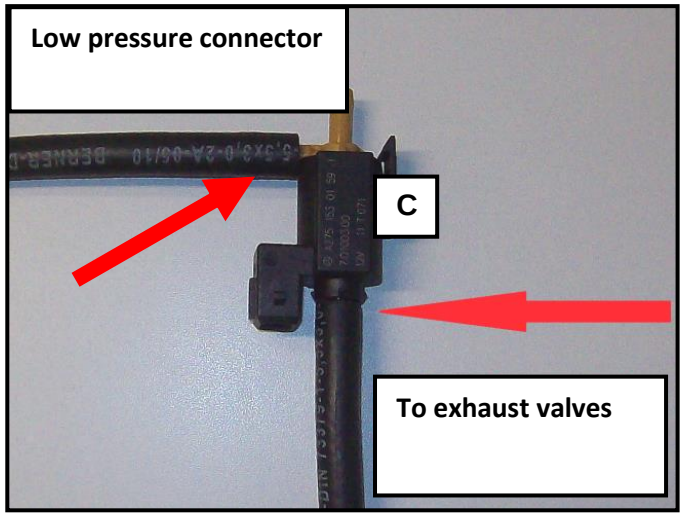
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Control valve assembly:

- Attach the control valve to the bracket (A) supplied and bolt the bracket to position (B) shown within the engine bay.
- Cut the low pressure hose supplied to lengths shown on page 5 and attach the hoses to the control valve (C). Route the exhaust valve hose (D) down according to illustration (E). Do not route the hose too tight in order to avoid it will kink and break Attach the filter cap to the not used control valve connector. Secure all connections using clamps supplied to avoid leakages.

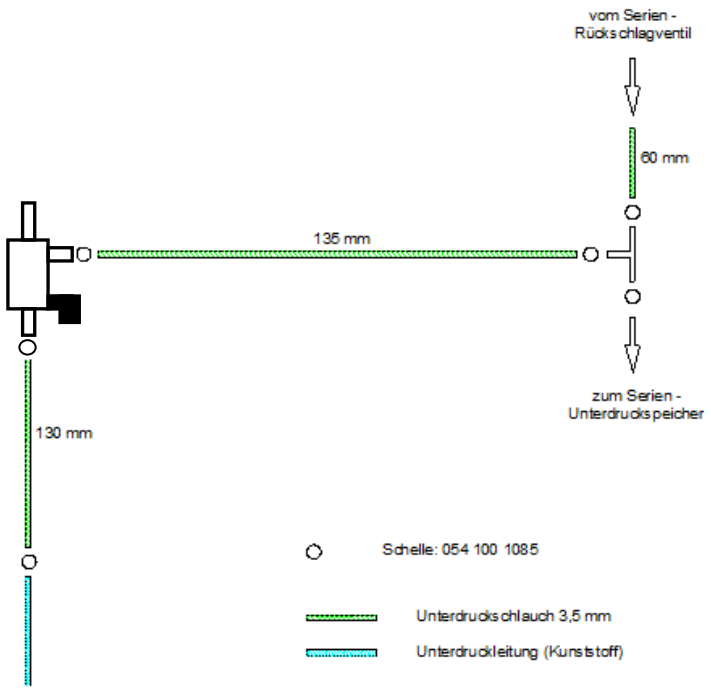






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Control valve low pressure piping:

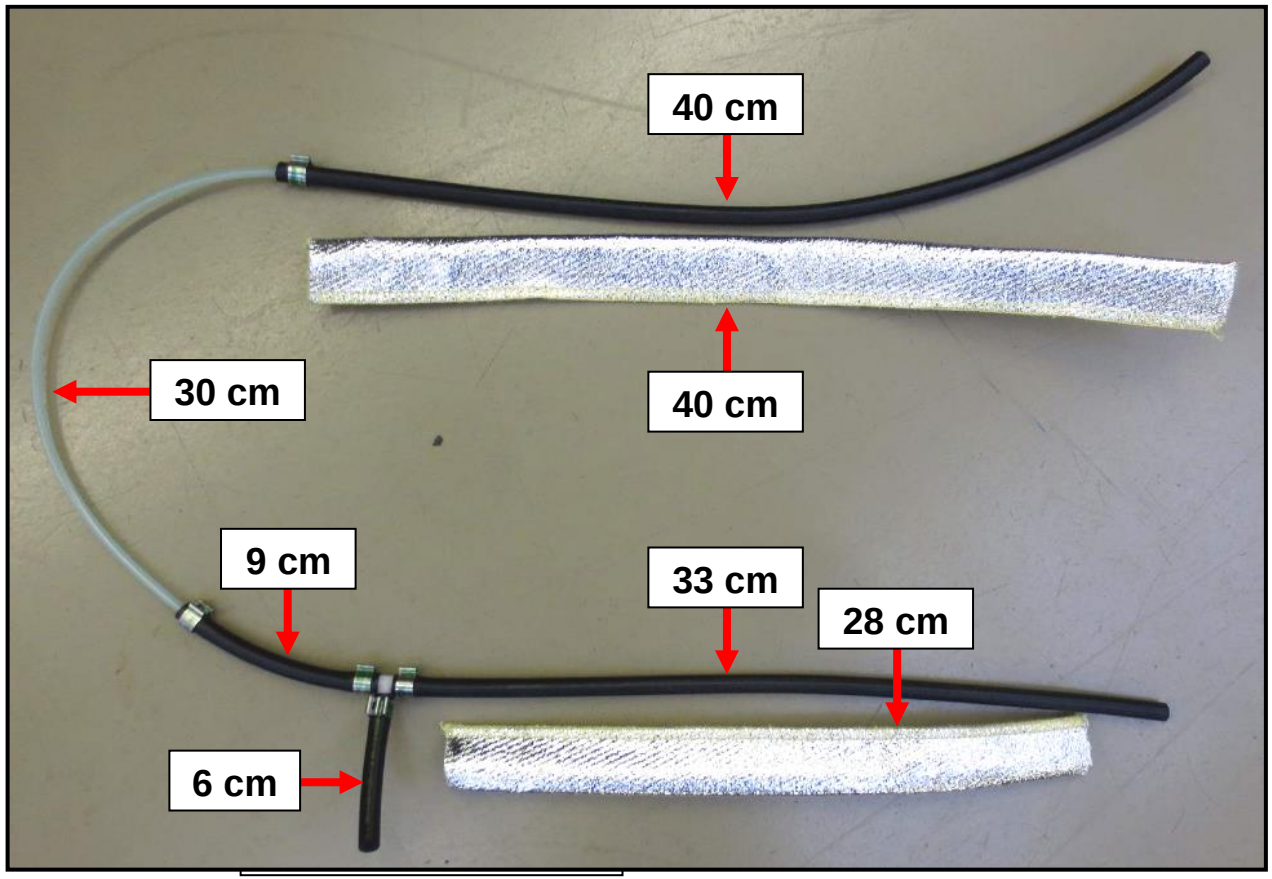


Required lenghts:

1x	60 mm
1x	135 mm
1x	130 mm

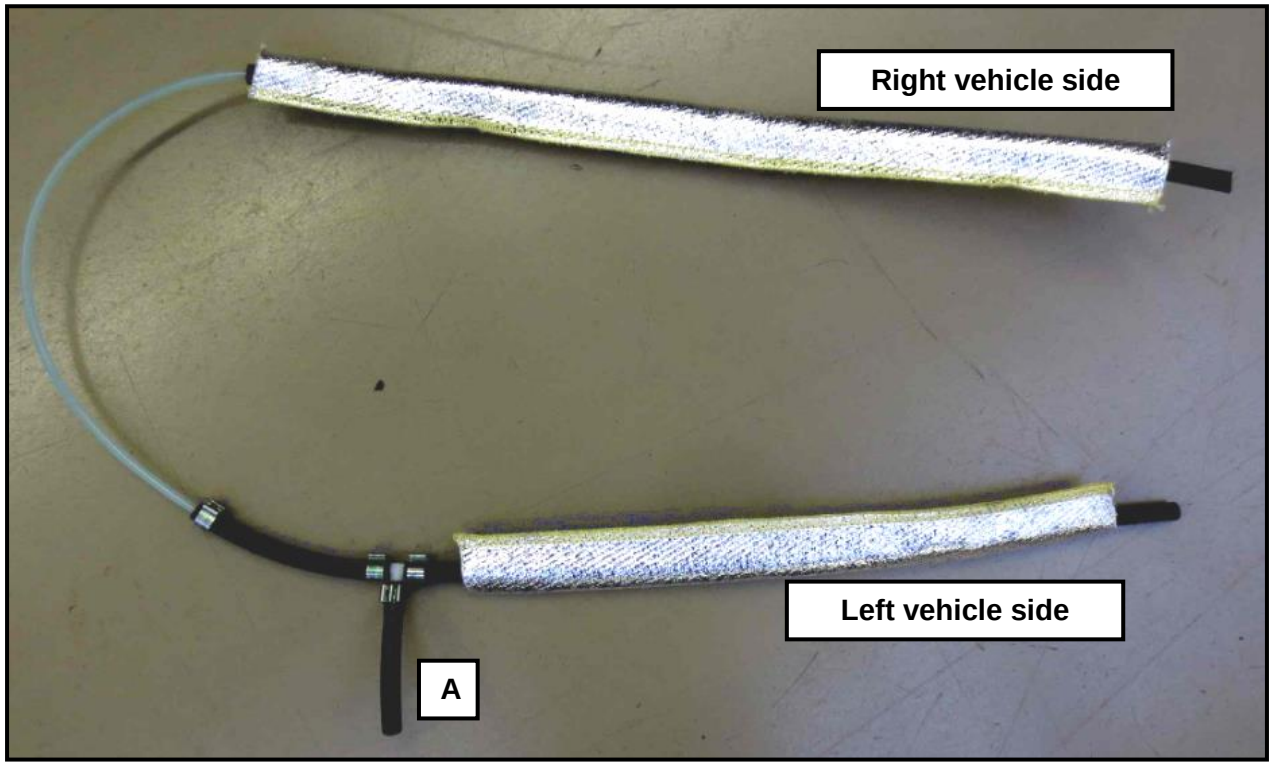
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- Extend the 130mm low pressure hose by using a 2250mm piece of low pressure plastic pipe and route it down along the bulkhead and rearward to the exhaust valve positions.
- Prepare the piping/ hosing according to illustration below. Cut the low pressure hoses and plastic pipes according to measures mentioned.



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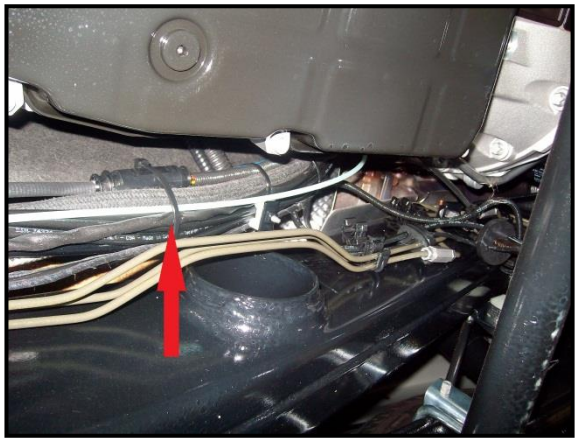
- Attach the hose jackets to the low pressure hoses.

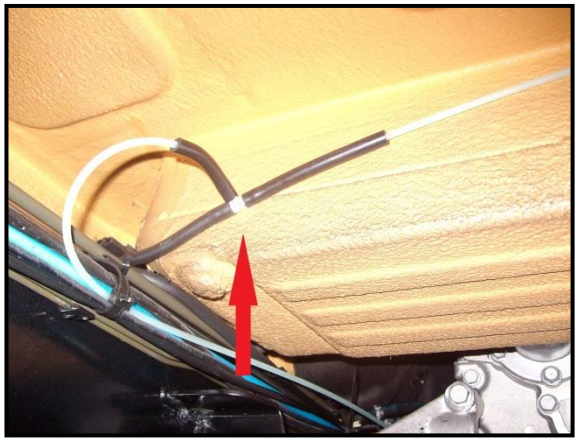


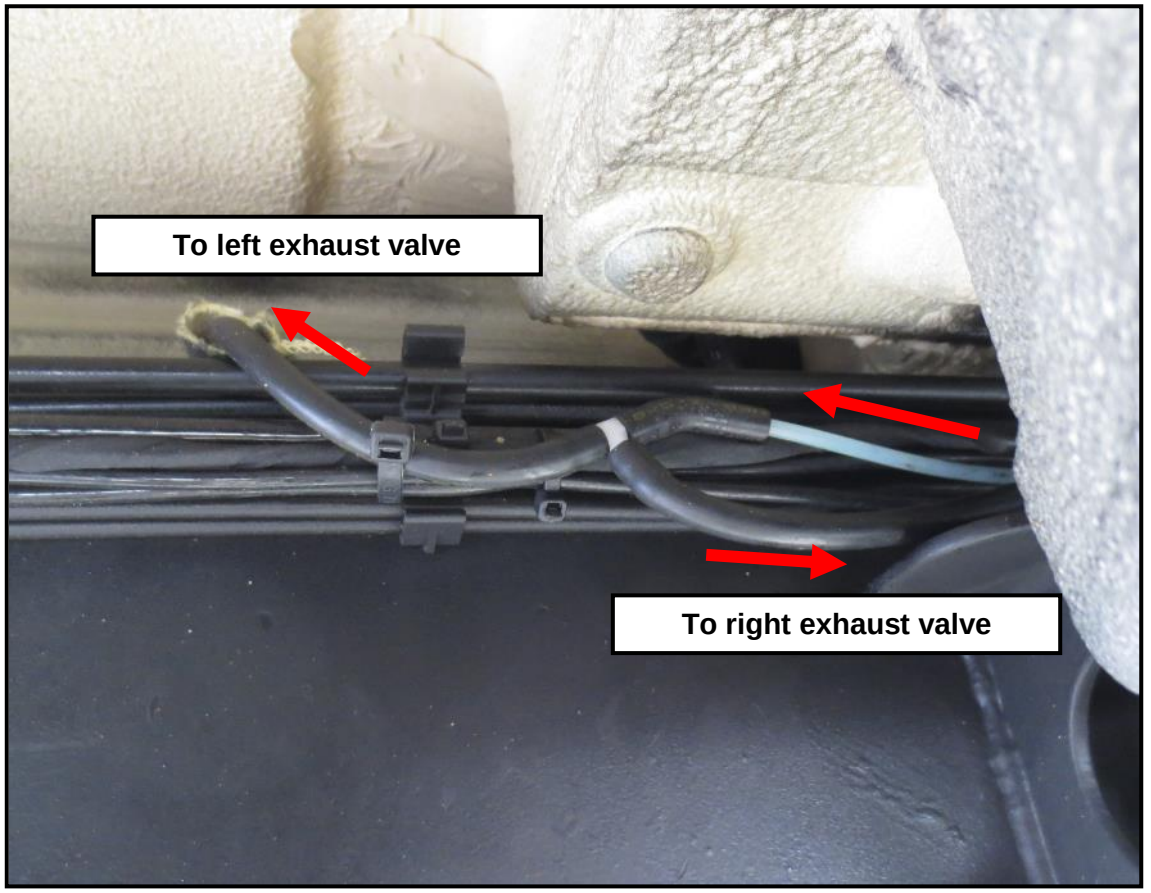
- Connect the low pressure hose coming from the vehicle front to the 6cm long low pressure hose (A).

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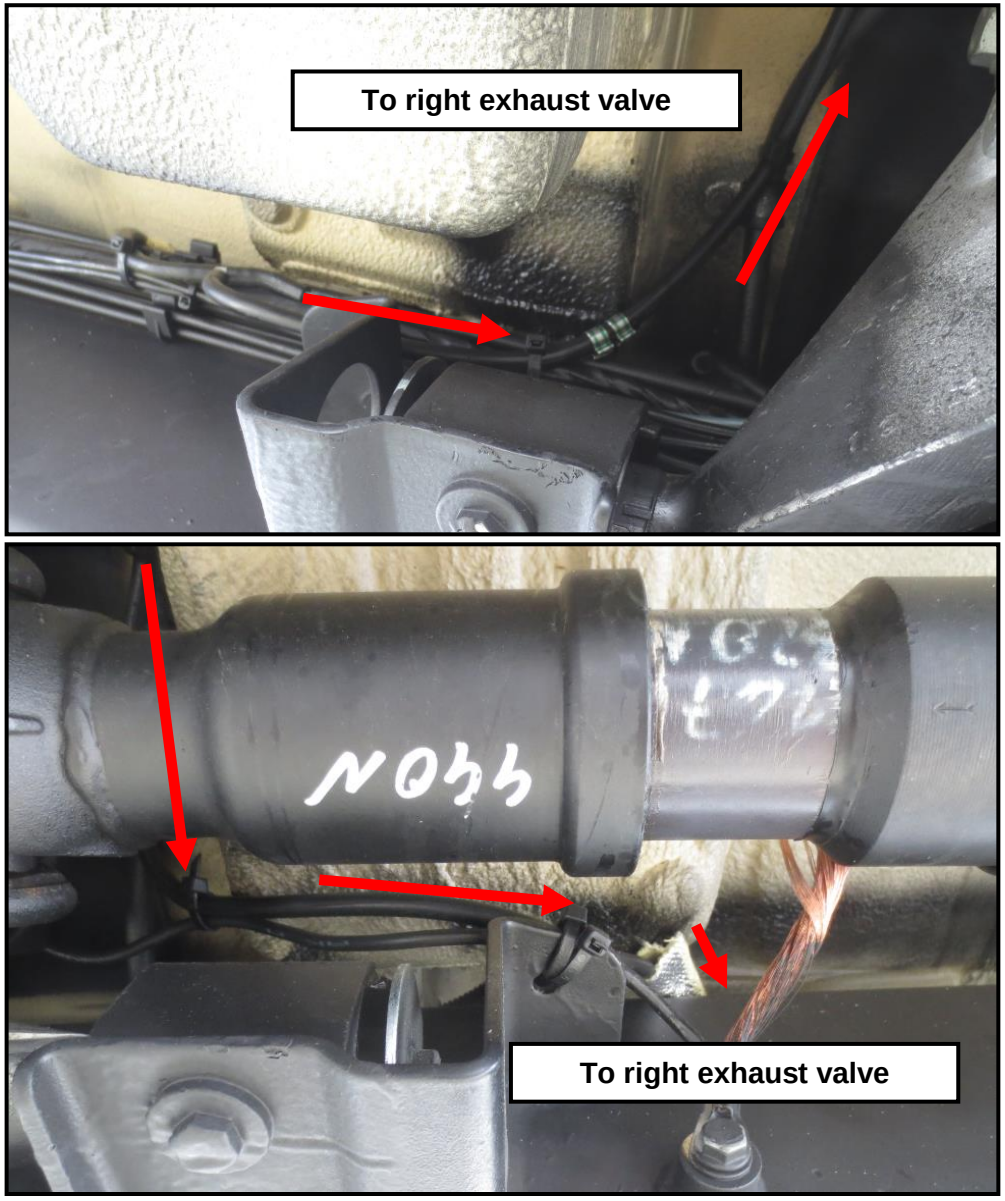
- Route the low pressure hoses behind the heat shields to the exhaust valves according to images below. Fixate the hoses using cable ties.





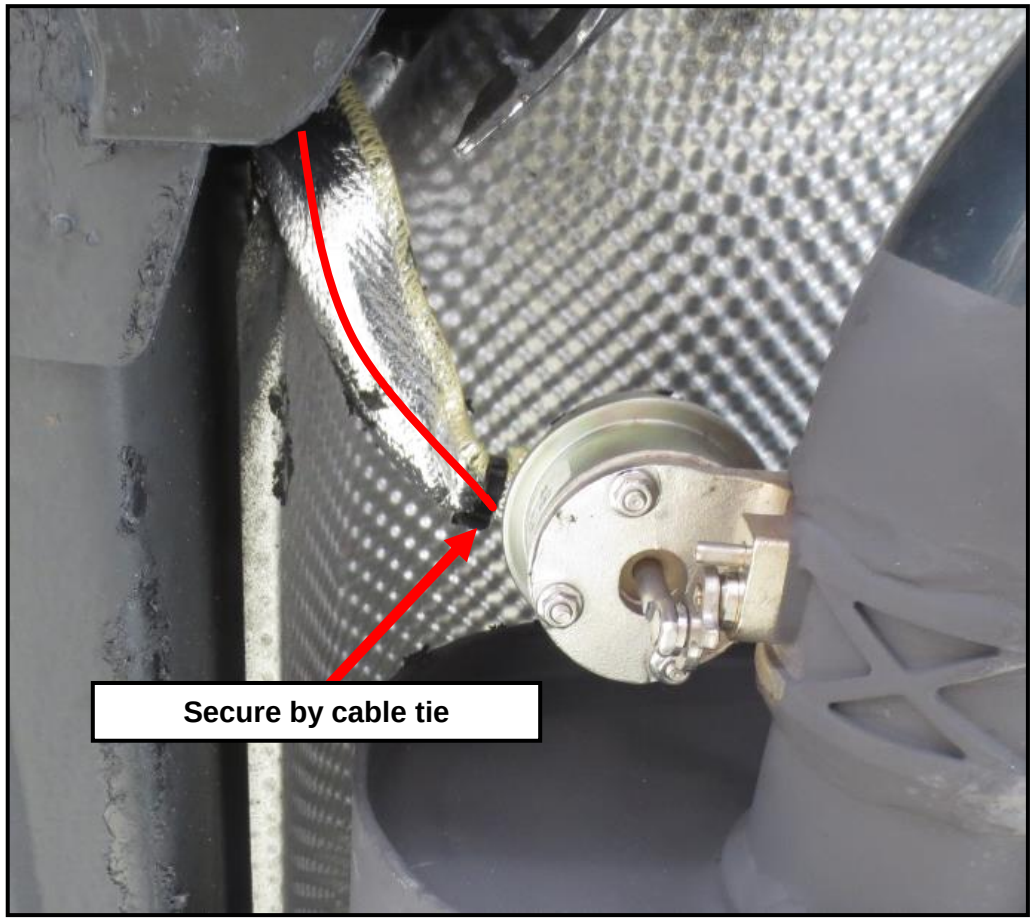


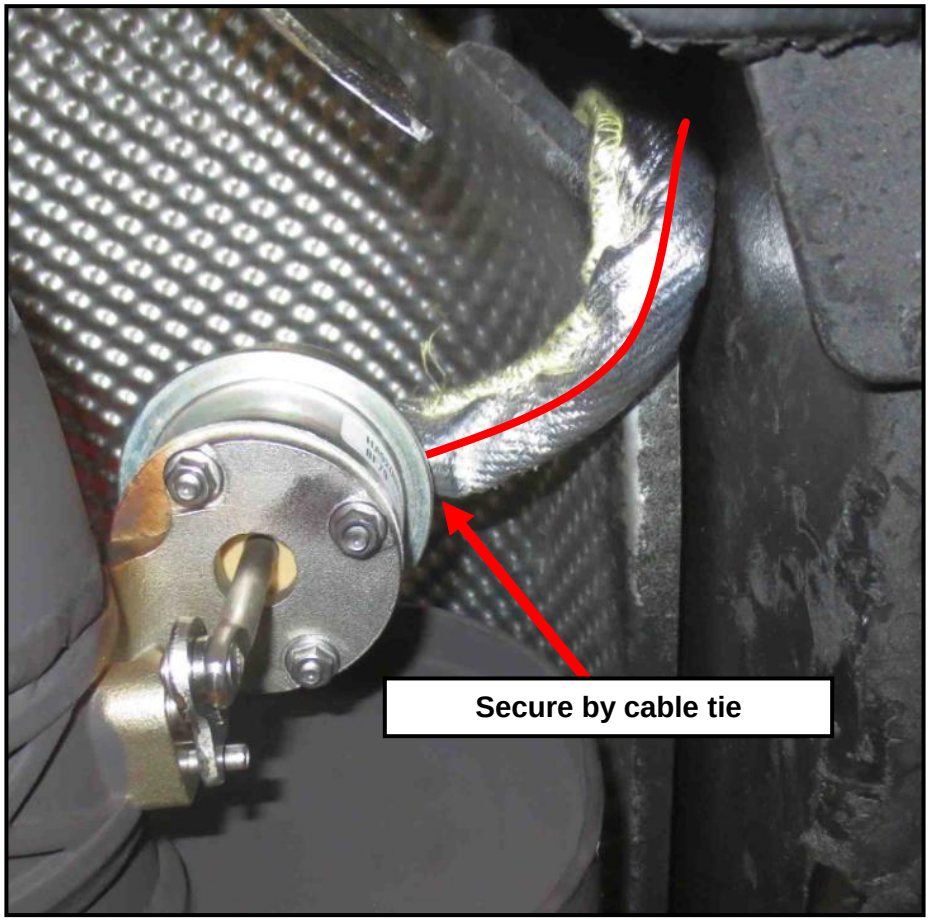
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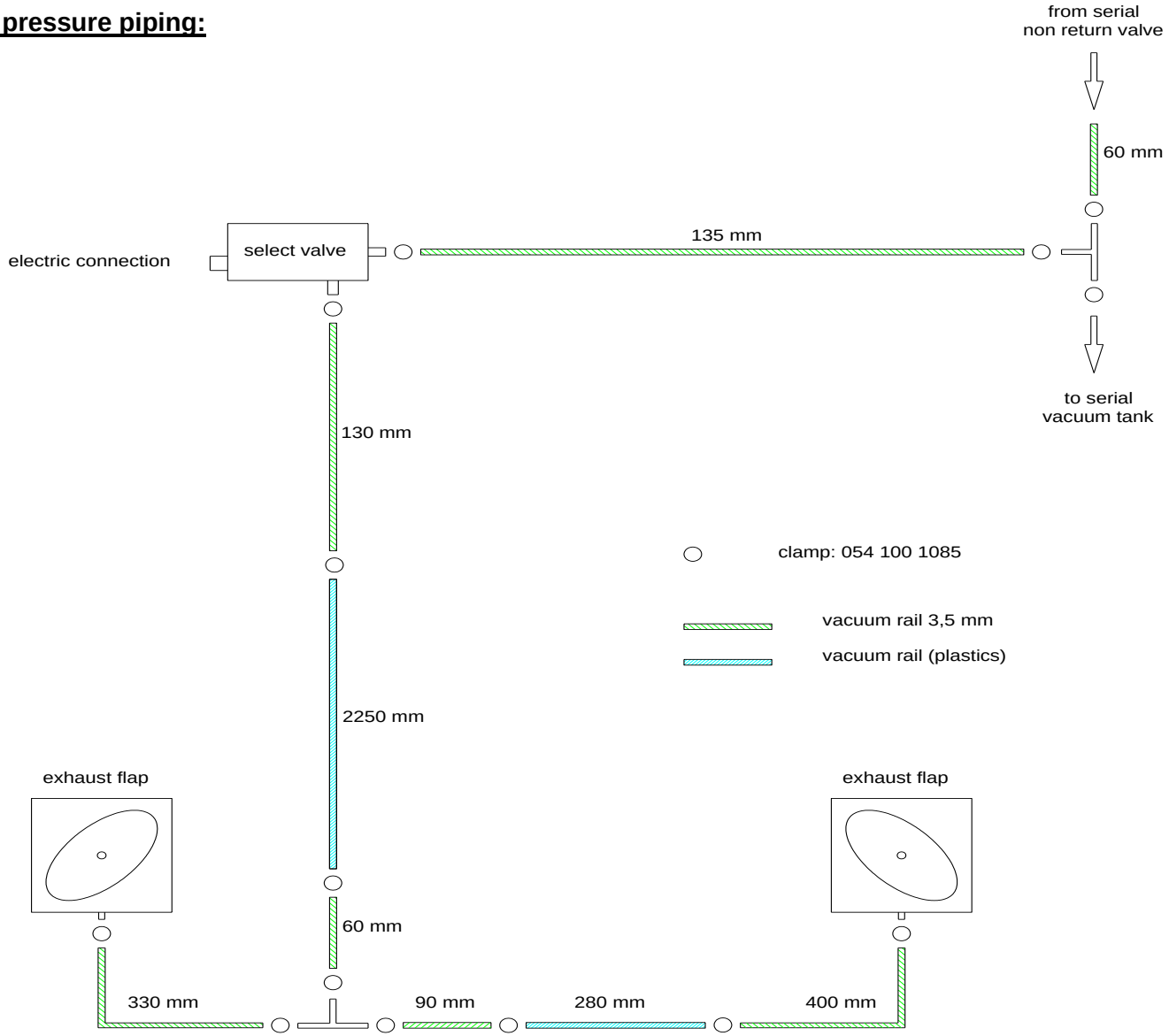
- Attach the ends of the low pressure hoses to the exhaust valve connectors and secure them by using clamps supplied.
  Make sure not to bend the hoses to tight in order to avoid they could kink and break.
  Pull the hose jackets over the hose connectors of the exhaust valves in order to protect them. Secure the jacket positions using cable ties.





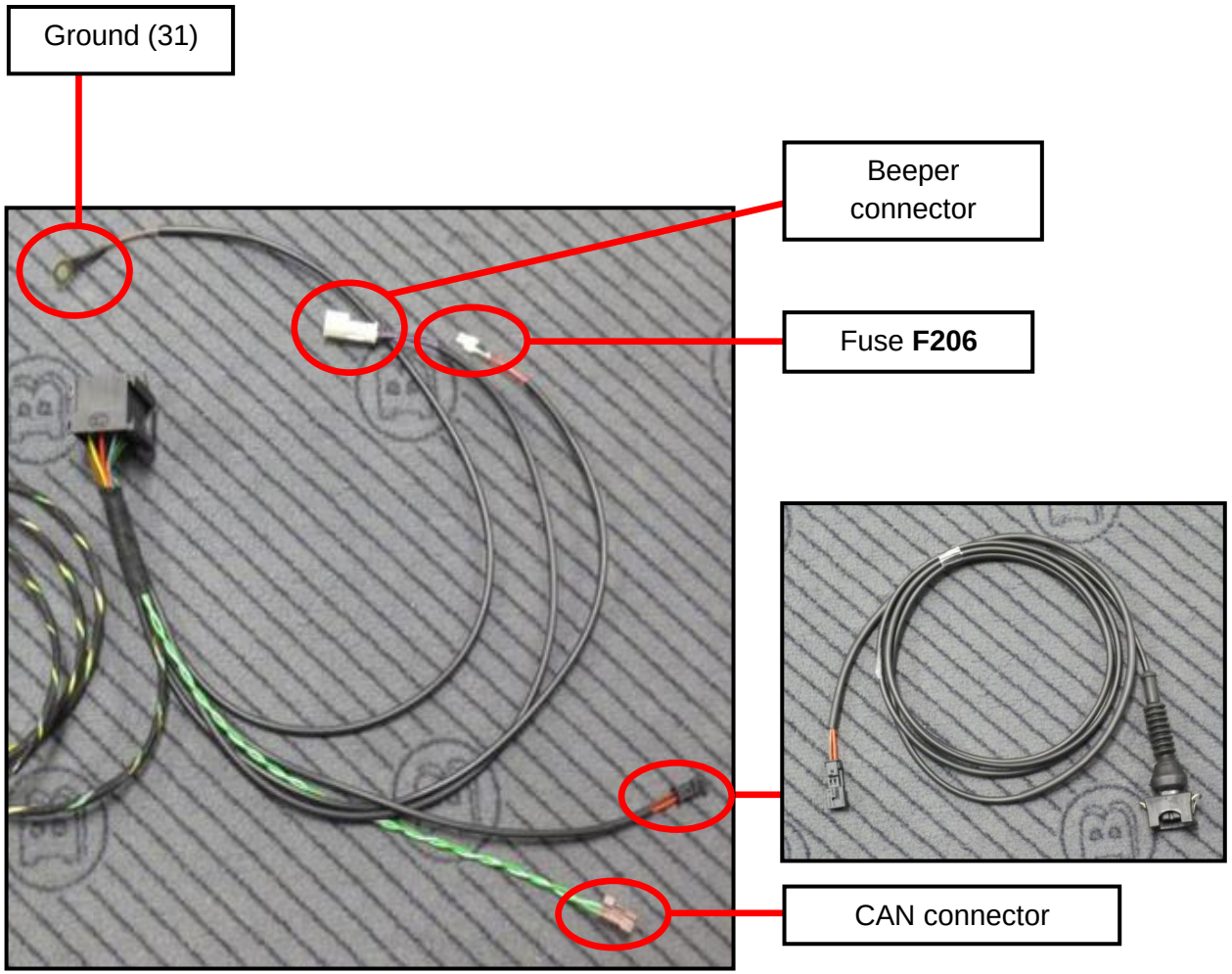
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Overview of low pressure piping:



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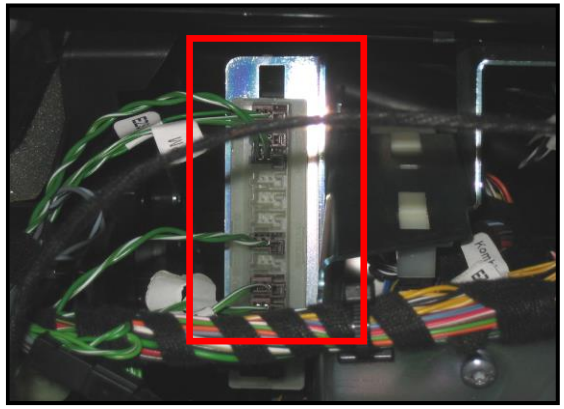
Electrical connections:



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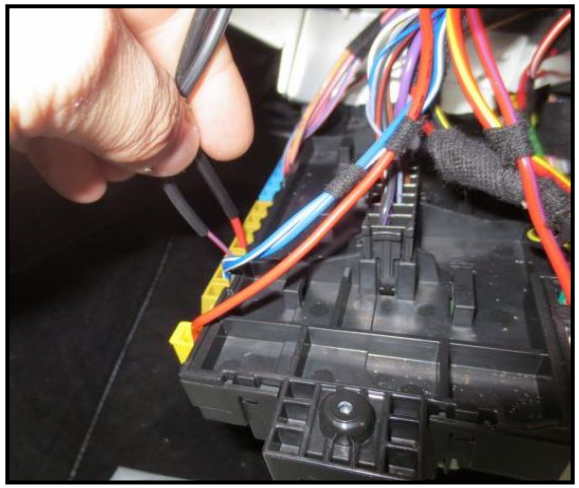
- Route the 2-pole, brown MQS-plug to the CAN-distributor, which is located below the glove box (fig.) Attach the plug to a free port of the CAN-distributor.

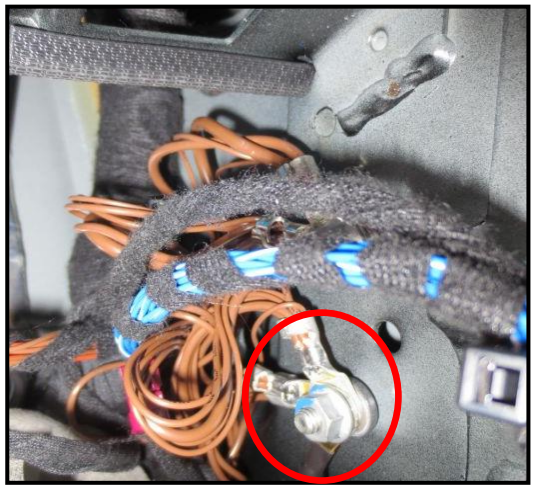




- Attach the red wire (power supply) to port **F206** of the fuse board.

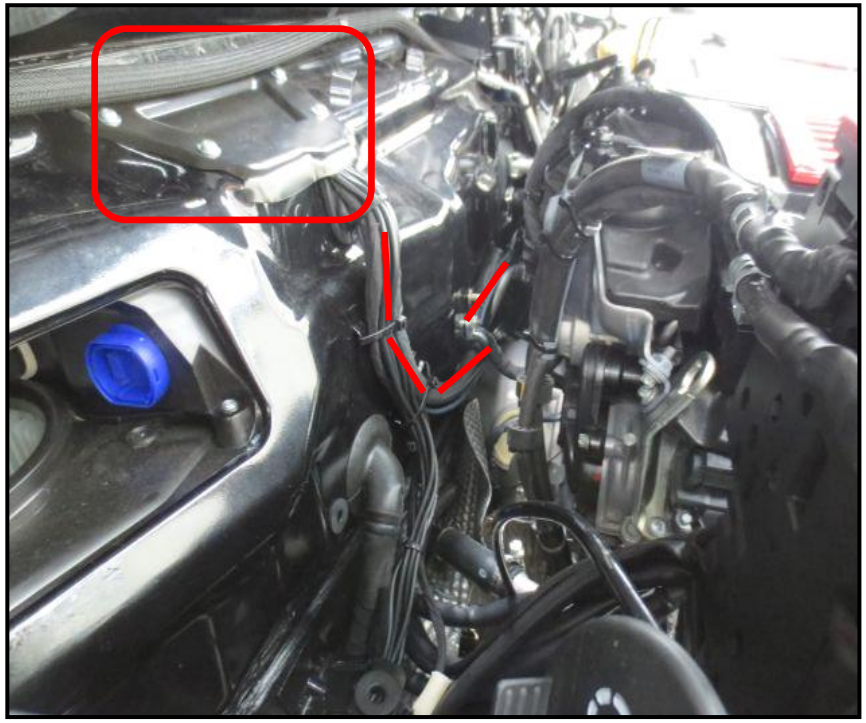
- Bolt the ground ring lug of the Brabus wiring harness to the ground terminal within the passenger footwell.





- Connect the 2-pole, black plug to the 2-pole socket of the control valve harness. Route the harness to the control valve within the engine bay (through rubber grommet on passenger side, fig. beside). Fixate the wiring harness using cable ties. Attach the plug to the control valve.

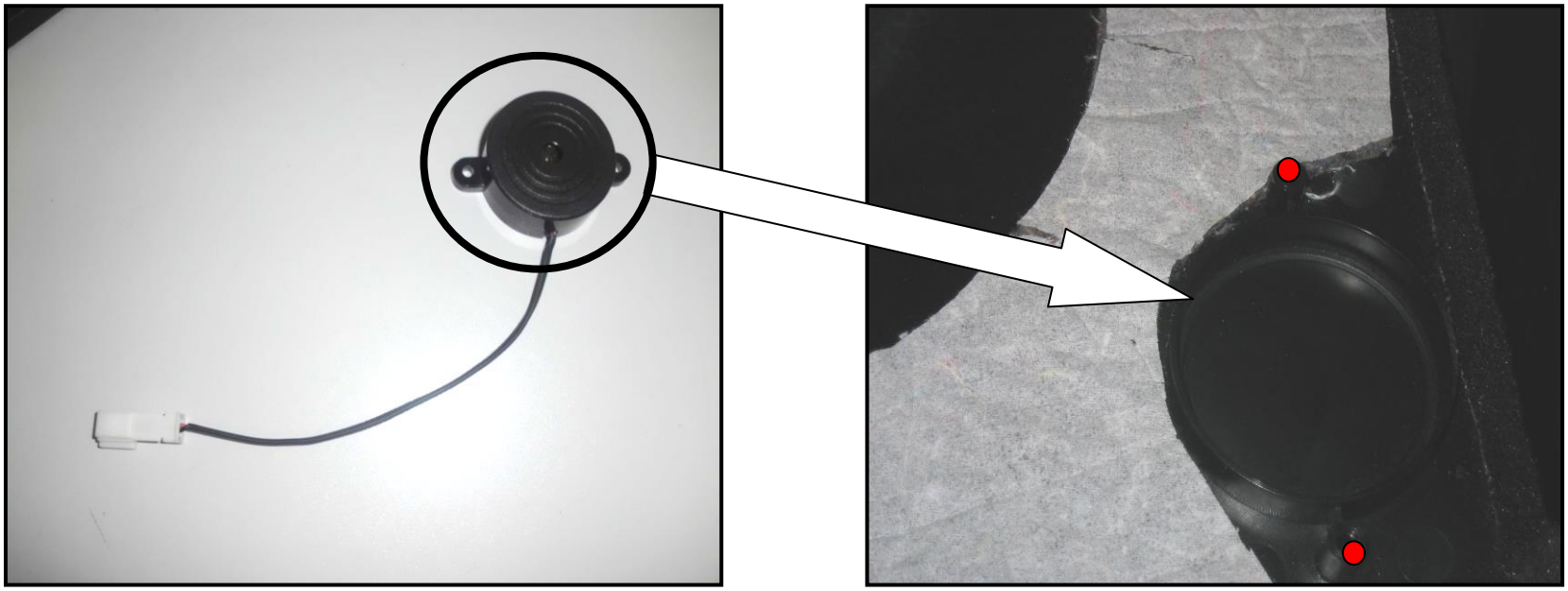
- Re-attach the cover.





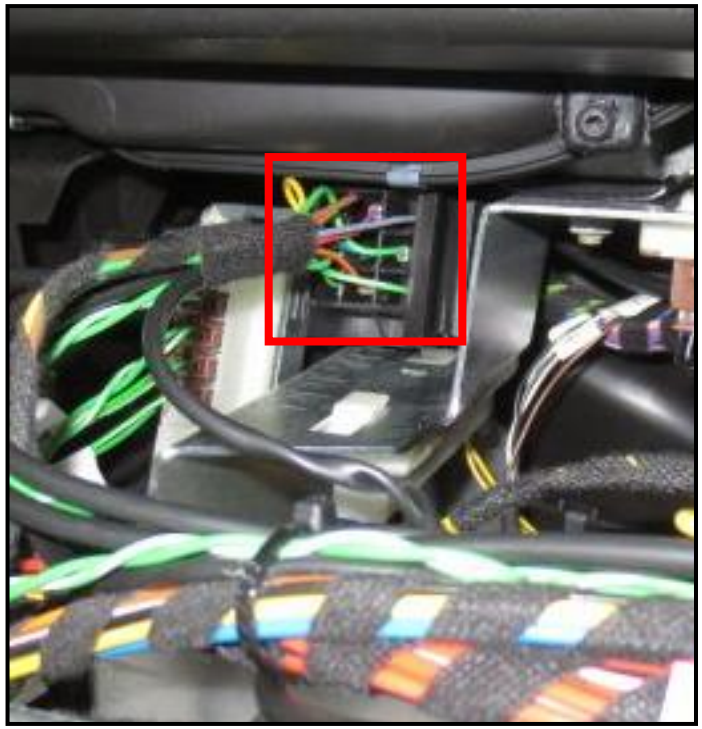
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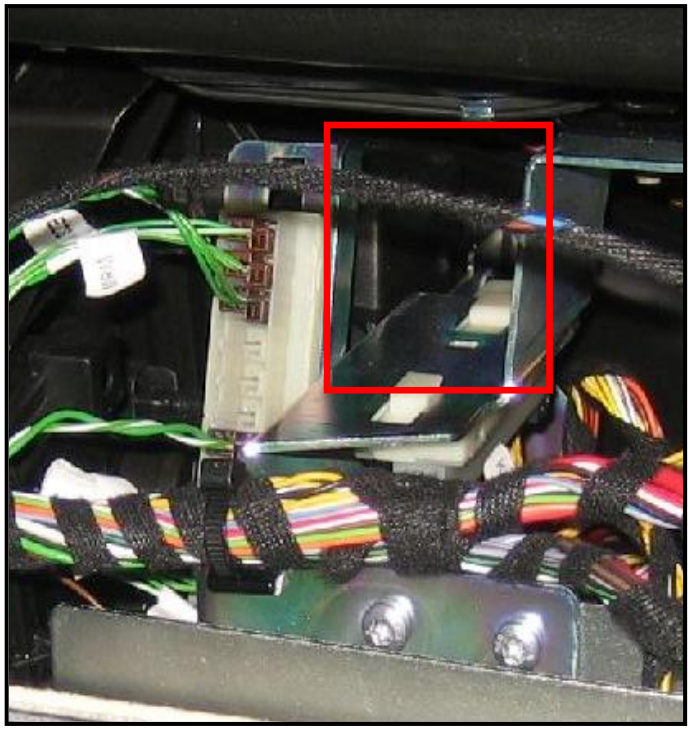
- Attach the beeper to the marked position (fig. below) of the right lower dashboard cover using tappimg screws. Connect the beeper to the Brabus harness.



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- Attach the control unit to the metal frame shown below using adhesive tape supplied. Connect the main plug of the Brabus harness to the control unit.



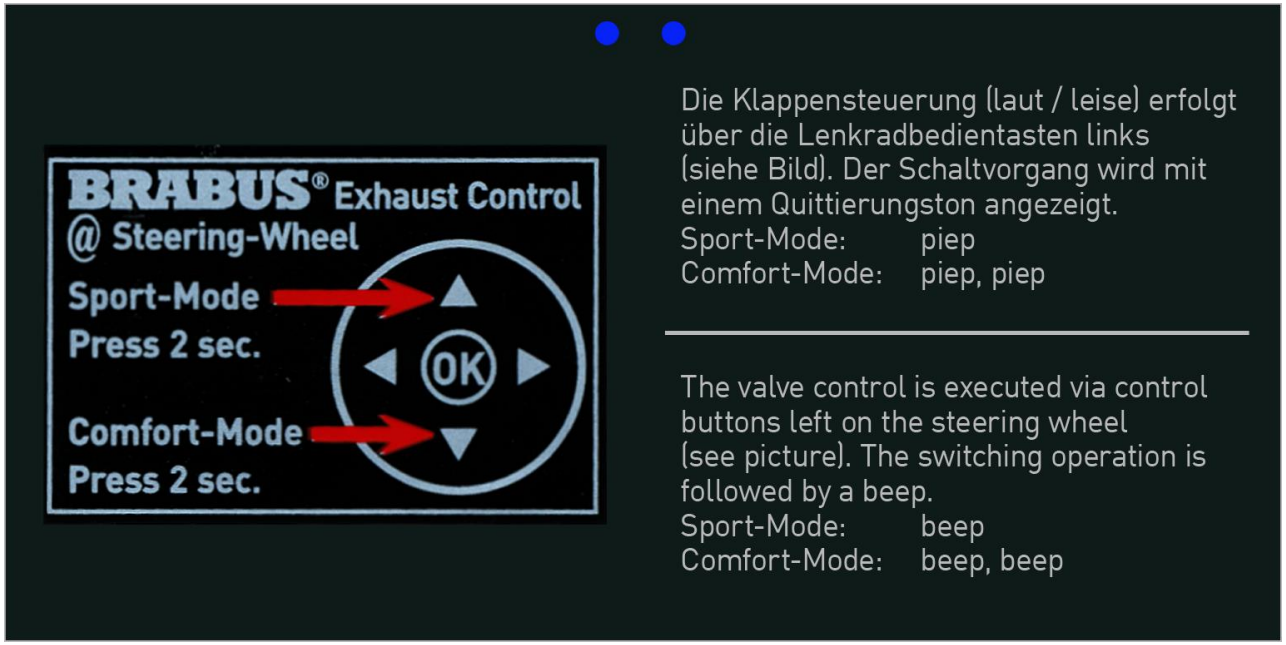


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Function description:

The exhaust flaps are operated by the steering wheel buttons (up & down).

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

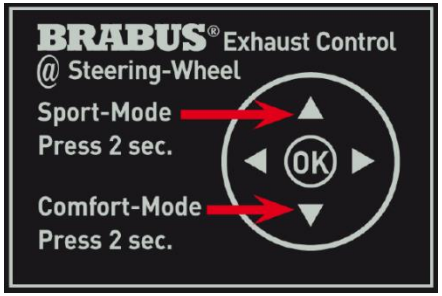


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! Please hand this information over to the customer!

Additional function:

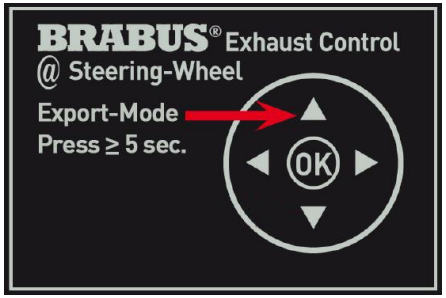
In addition to the known functions of the valve controlled exhaust system (switch between sport and comfort-mode) the exhaust system can be switched from **EC-mode** to **Expert-mode**.
Push and hold the button for more than five seconds in order to avoid an unintentional change between the modes.



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).

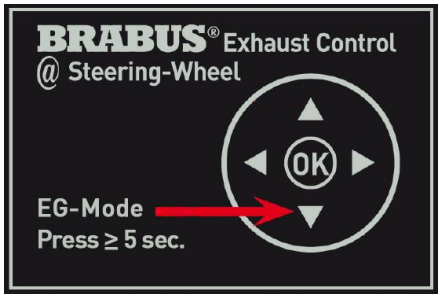


Attention:
This is exclusively an export mode.
When the system standardly is switched to Sports-mode the EC type approval no longer is valid and, depending of the country the car is registrated to, there is no insurance protection.

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).



ATTENTION:

When switched to EC mode, the exhaust valves only can be opened when driving. For checking the function of the valves when the car is standing with the engine running at idle, push and keep the arrow-up button pushed for some seconds.
The exhaust valves after few seconds will open and stay open as long as the button is kept pushed.

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