BRABUS®

Performance-Kit D35 for W463A, G350d
464-D35-00
Engine type OM656



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.
Before you start please check the content of the supplied parts as detailed below.
Perform the assembly/ disassembly of standard Mercedes-Benz components according to Mercedes-Benz workshop information.

Brabus does not cover damages which occur due to improper installation, damaged contacts or inadequate isolation.

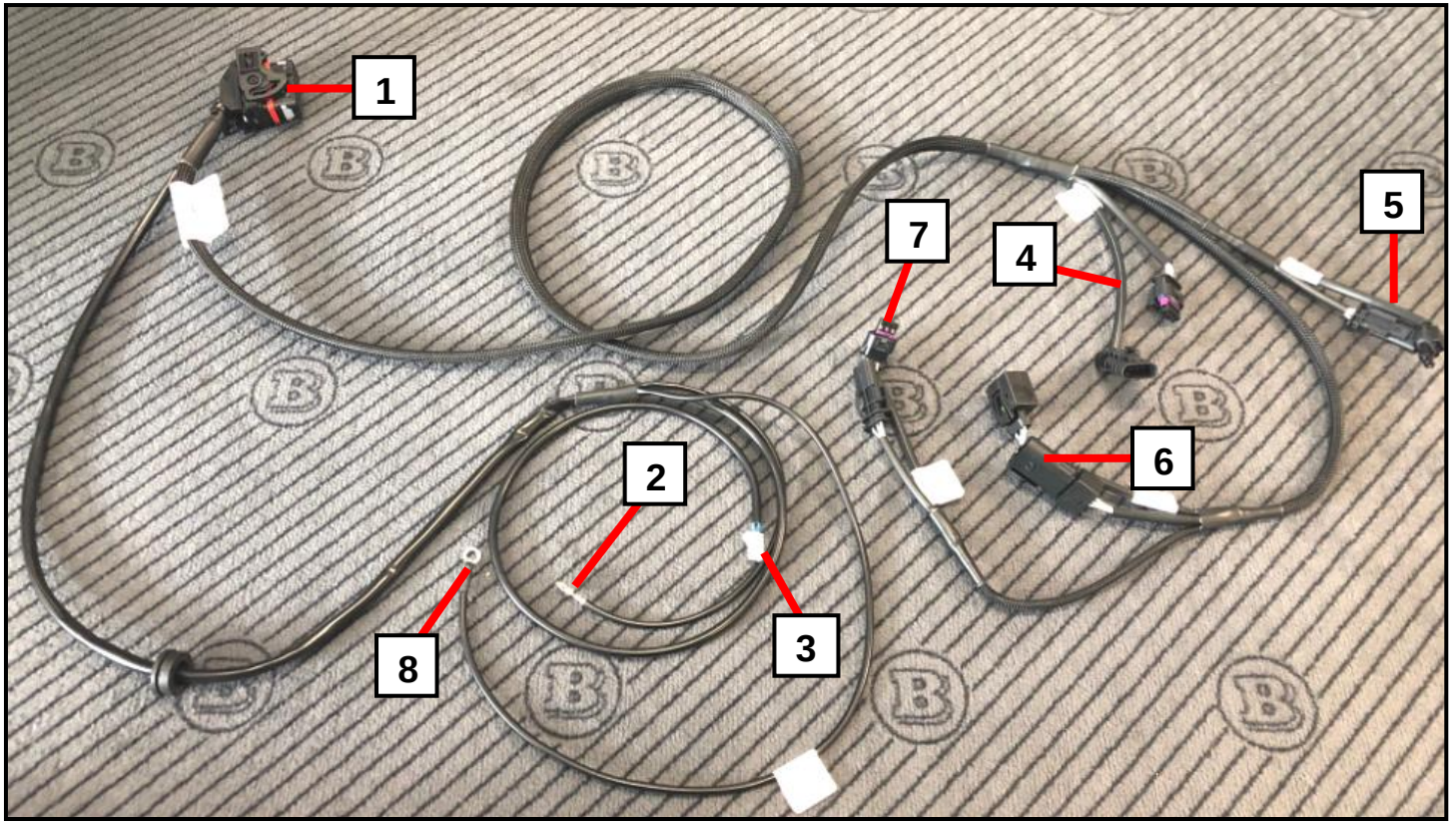
Included in delivery BRABUS:

1x PowerXtra control unit	002-CDI-V61
1x Wiring harness	464-D35-05-K,
1x Lettering „Brabus“	211-000-14
1x Set of „powered by“ letterings	000-000-30
1x TÜV-certificate	

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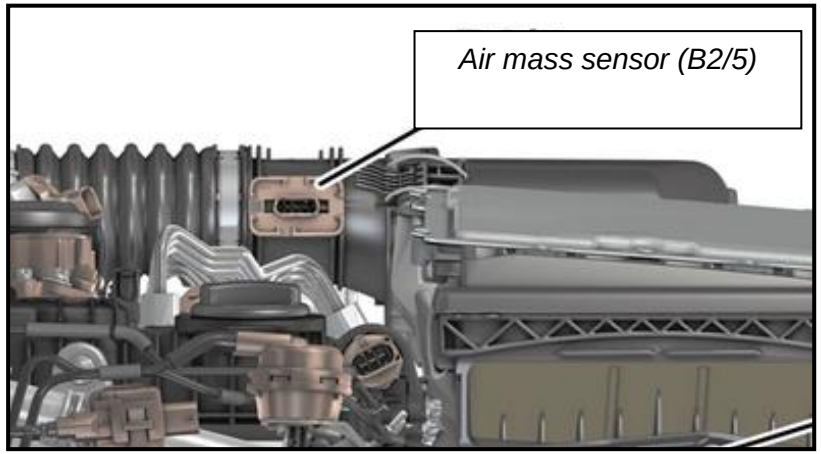
Overview of wiring harness connections to be established:

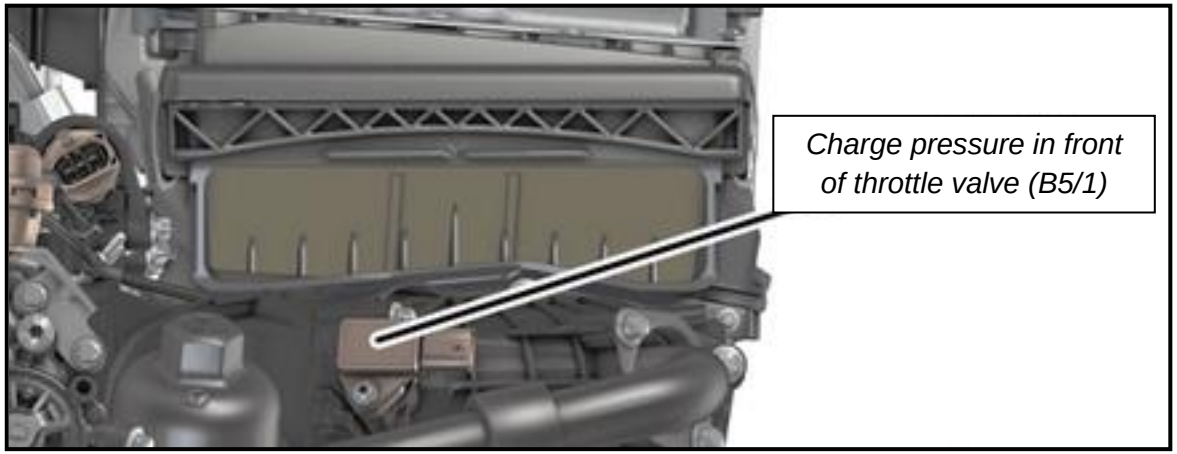
1- PowerXtra main plug
2- Power supply, to power supply terminal within passenger footwell (right a-pillar)
3- CAN-connector / To CAN distributor within driver footwell
4- Adapter plugs for air mass sensor (B2/5)
5- Adapter plugs for charge pressure in front of throttle valve (B5/1)
6- Adapter plugs for fuel high pressure sensor (B4/6)
7- Adapter plugs for charge pressure behind throttle valve (B5/4)
8- Ground wire with ring lug

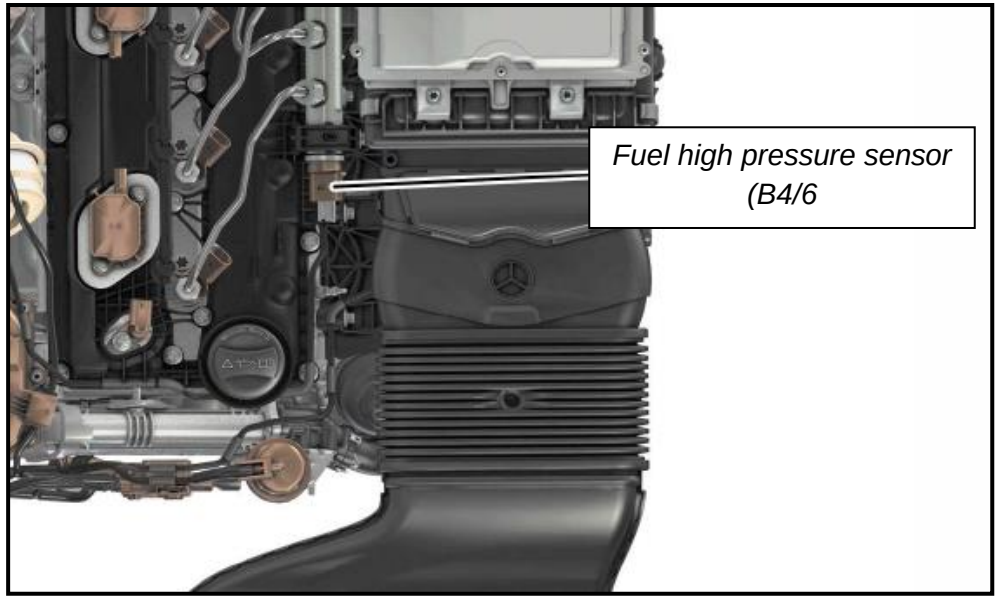


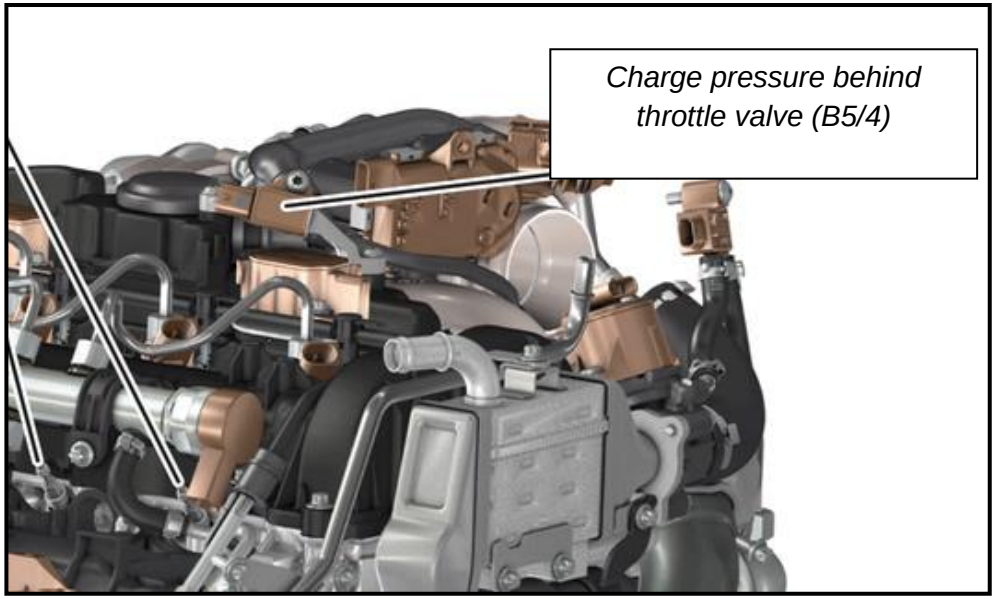
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Overview of relevant system components OM656:









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Preparations:

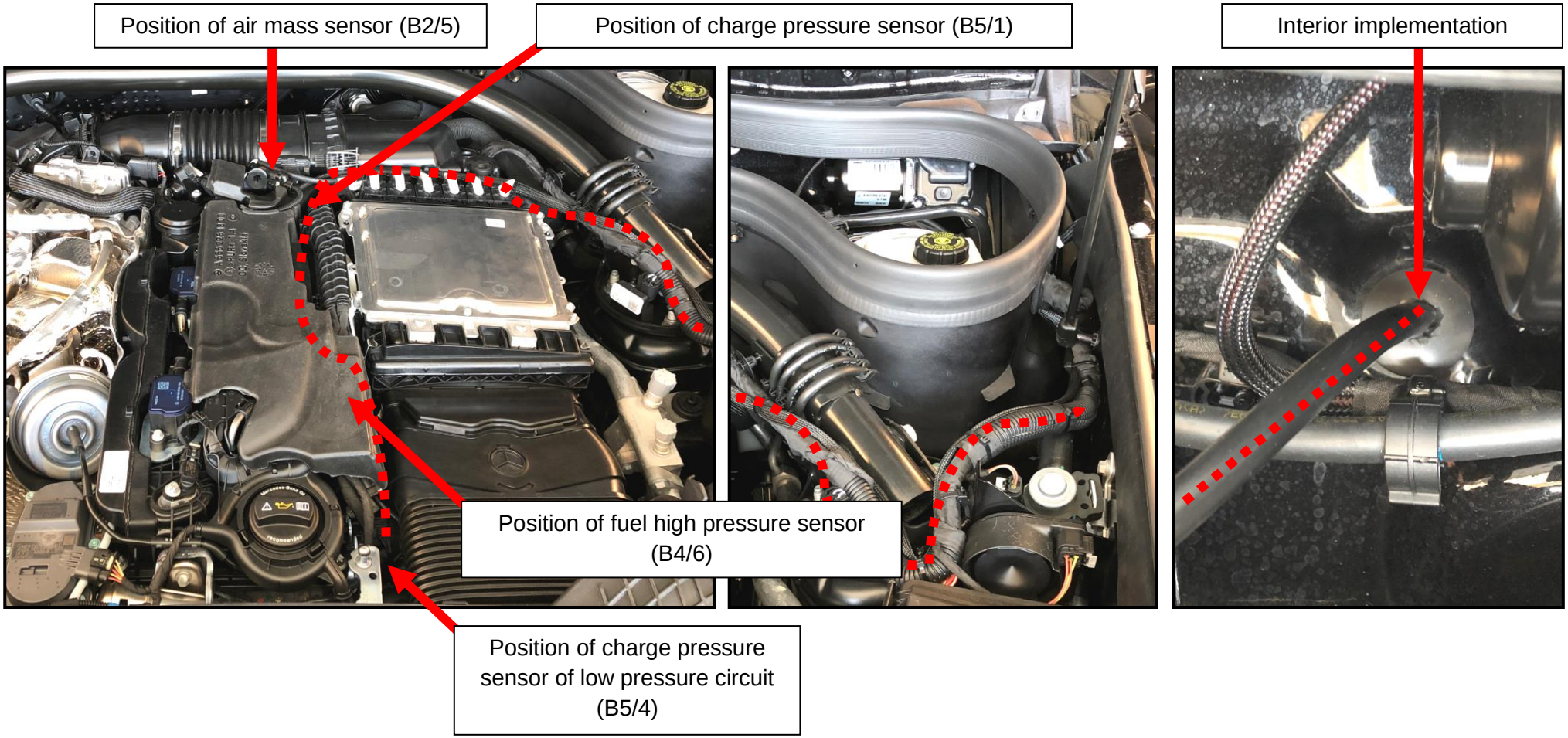
- Disconnect ground wire from vehicle battery below flooring within boot compartment. Loosen the drawbar eyes to be able to access the vehicle battery.

- Open bonnet, remove plastic engine cover.

- Disassemble driver’s side lower plastic cover within footwell according to Mercedes-Benz workshop instructions.

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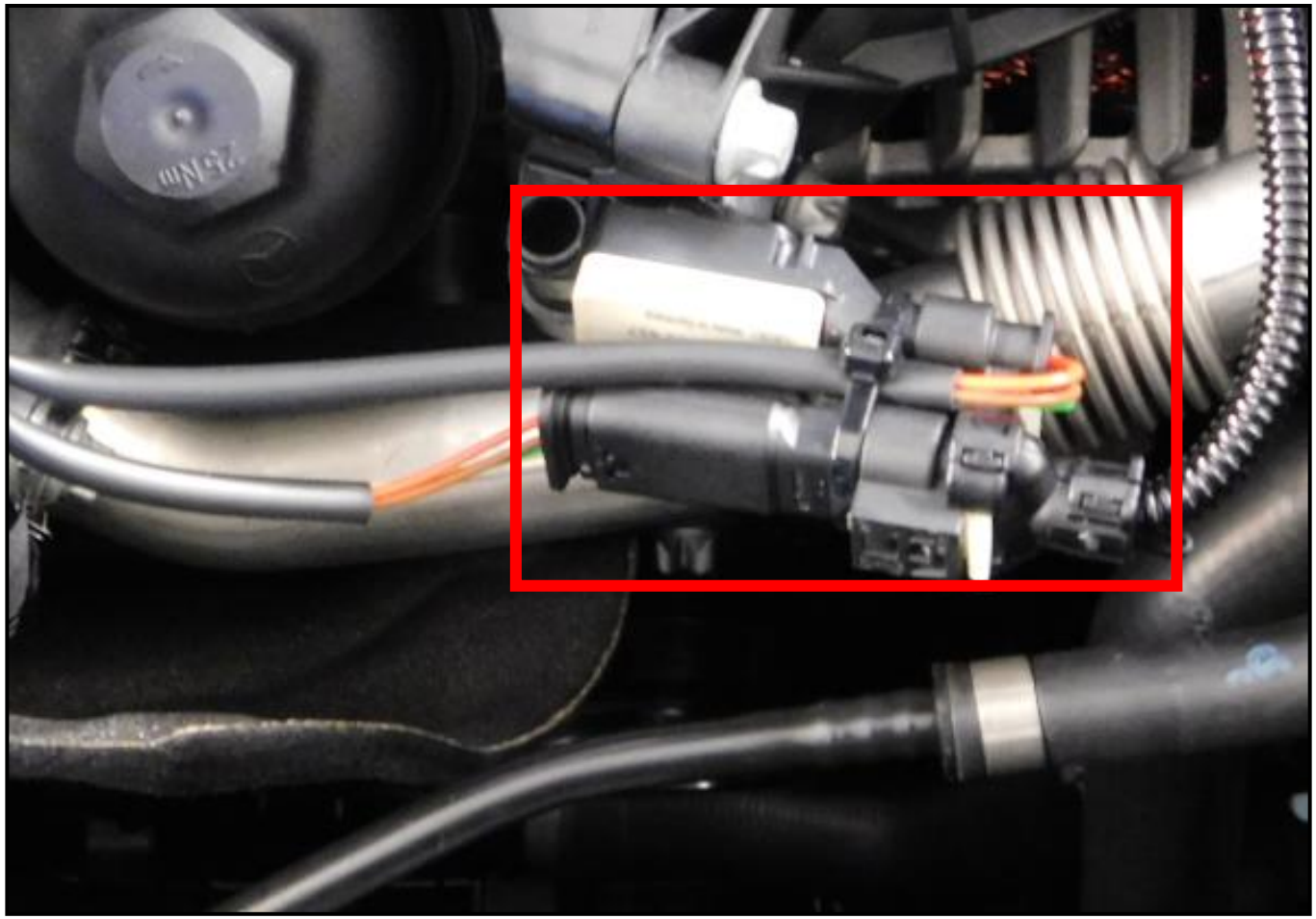
Routing illustration of engine bay harness:



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Connect plug of charge pressure sensor of low pressure circuit (B5/4) to Brabus harness, connect plug of Brabus harness to charge pressure sensor of low pressure circuit (B5/4) (B5/4).

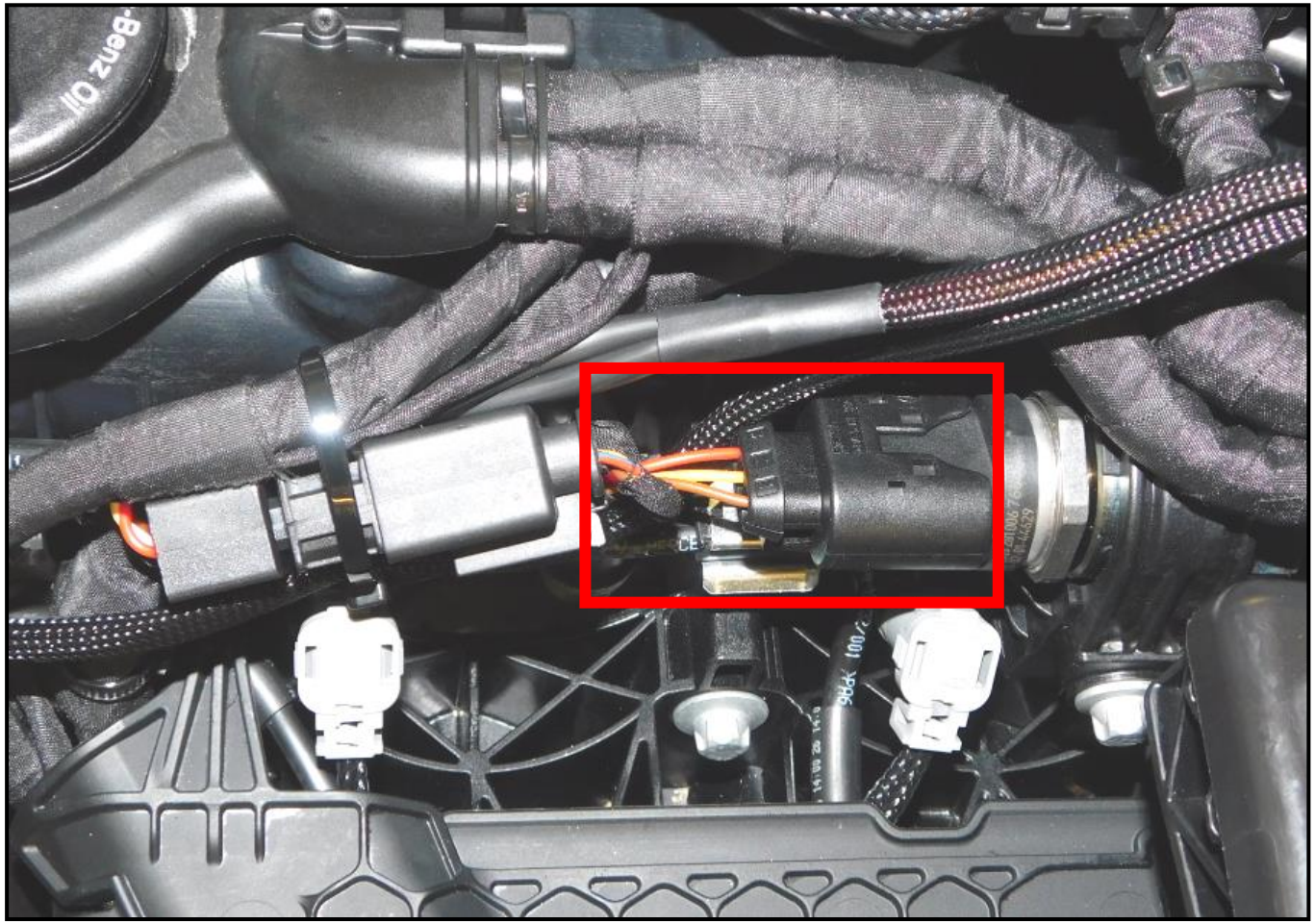
Route wire harness to fuel high pressure sensor (B4/6).



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Connect plug of fuel high pressure sensor (B4/6) to Brabus harness, connect plug of Brabus harness to fuel high pressure sensor (B4/6).

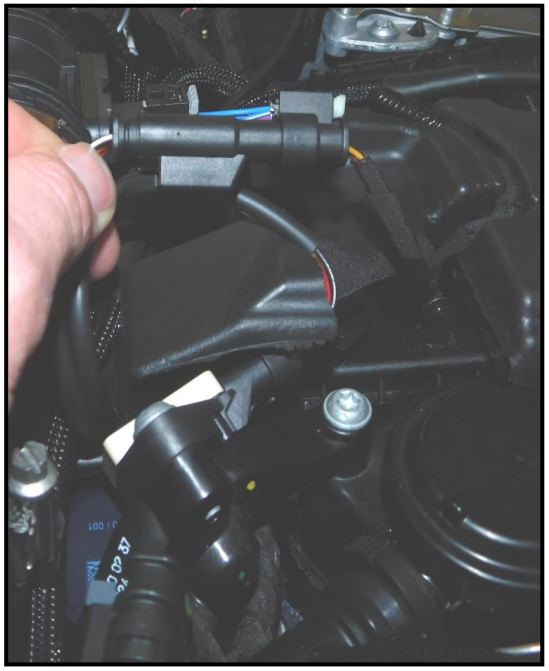
Route wire harness to charge pressure sensor (B5/1).

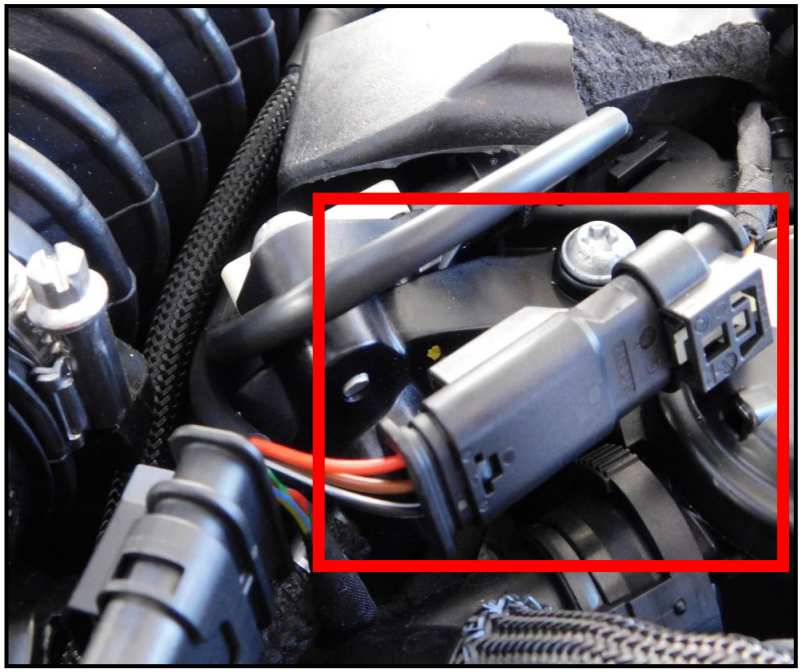


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Connect plug of charge pressure sensor (B5/1) to Brabus harness, connect plug of Brabus harness to charge pressure sensor (B5/1).

Route wire harness to air mass sensor (B2/5).

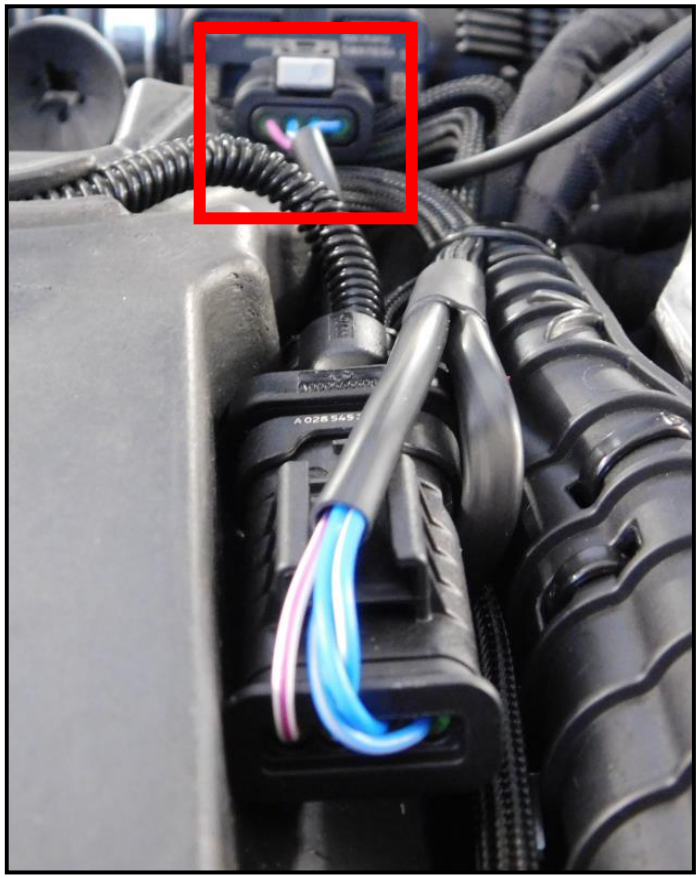




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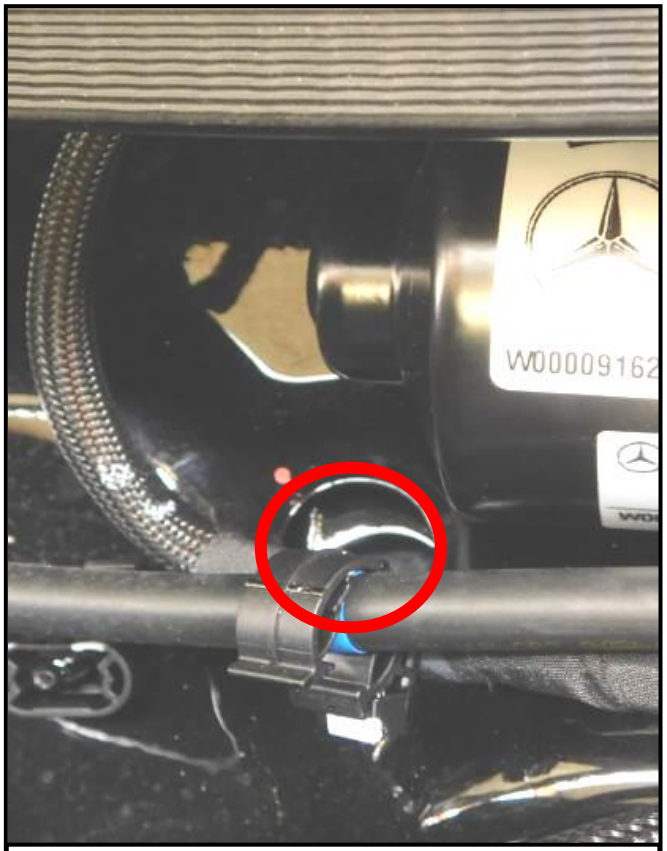
Connect plug of air mass sensor (B2/5) to Brabus harness, connect plug of Brabus wire harness to air mass sensor (B2/5).

Route Brabus harness below rubber sealing of engine bay interwall to interior implementation according to illustration on page 6. Fixate at appropriate areas using cable ties.

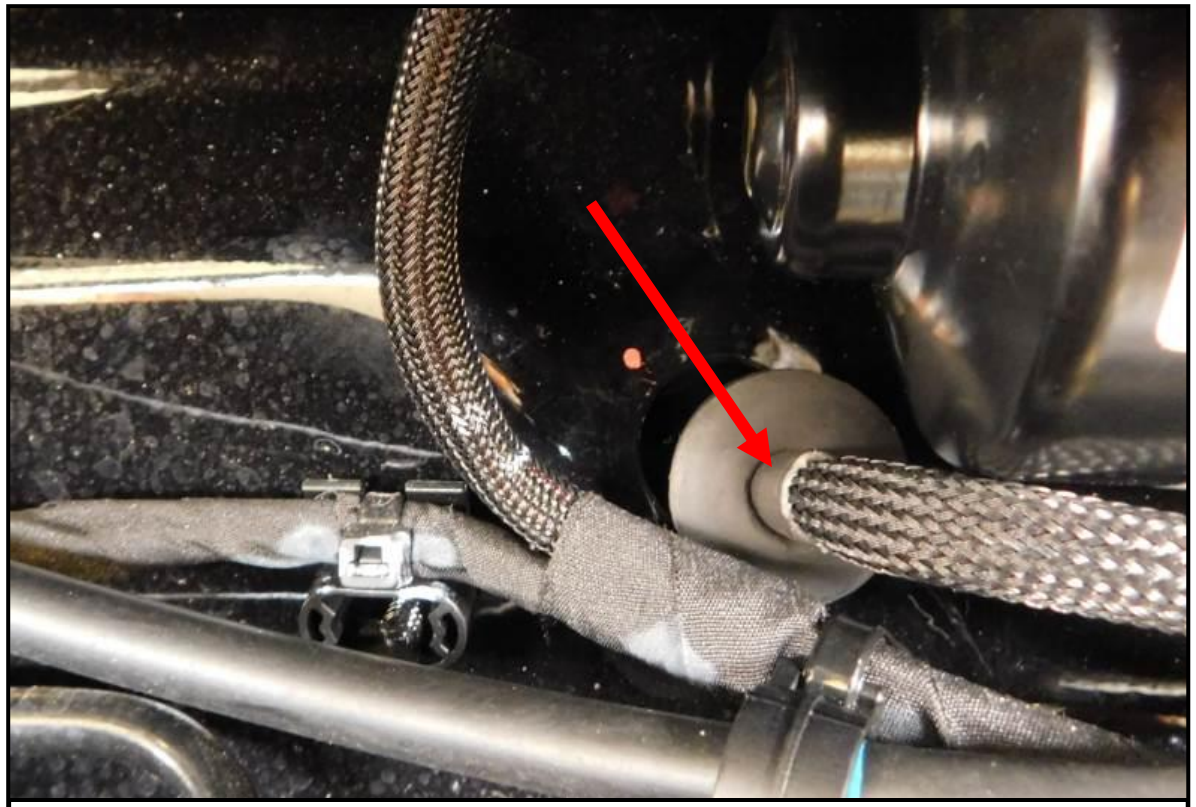




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Remove rubber plug.

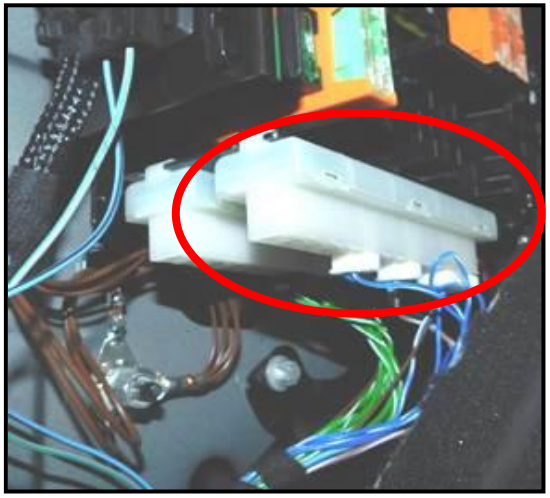


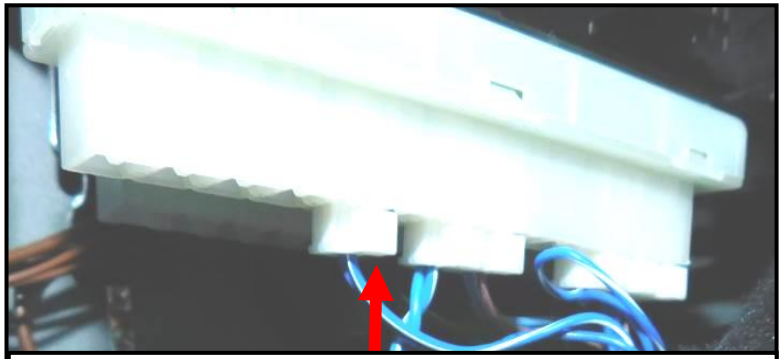
Route wiring harness through bulkhead hole into vehicle. Attach rubber grommet to bulkhead hole. Make sure for denseness.

Route wiring harness to fuse and relay box K40/6 within left footwell.

Achtung:

The wiring harness may definetely not touch the steering column or the pedalry and may not be routed along these components or be able to block their functions! Make sure for sufficient clearance!





Attach CAN plug to free port of CAN distributor X30/21.

Bolt ground ring lug of Brabus harness to ground terminal within left side footwell next to fuse and relay box.





Loosen fuse and relay box driver side K40/6 and fold aside.



Attach power supply contact from behind to fuse port shown. Attach 5Amp fuse to fuse port.

Assemble all plastic trims and covers, check the wiring harness for proper routing. Connect ground wire to vehicle battery. Check the fault store of the engine control unit and delete faults which might have occurred during installation. Start engine and perform a test-drive.

PowerXtra is ready to run after installation, there are no further adaptations/ adjustments to be performed.

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