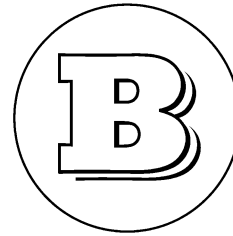


**Performance-Kit D40 for C 257, CLS400d
257-D40-00
Engine type OM656**



BRABUS®

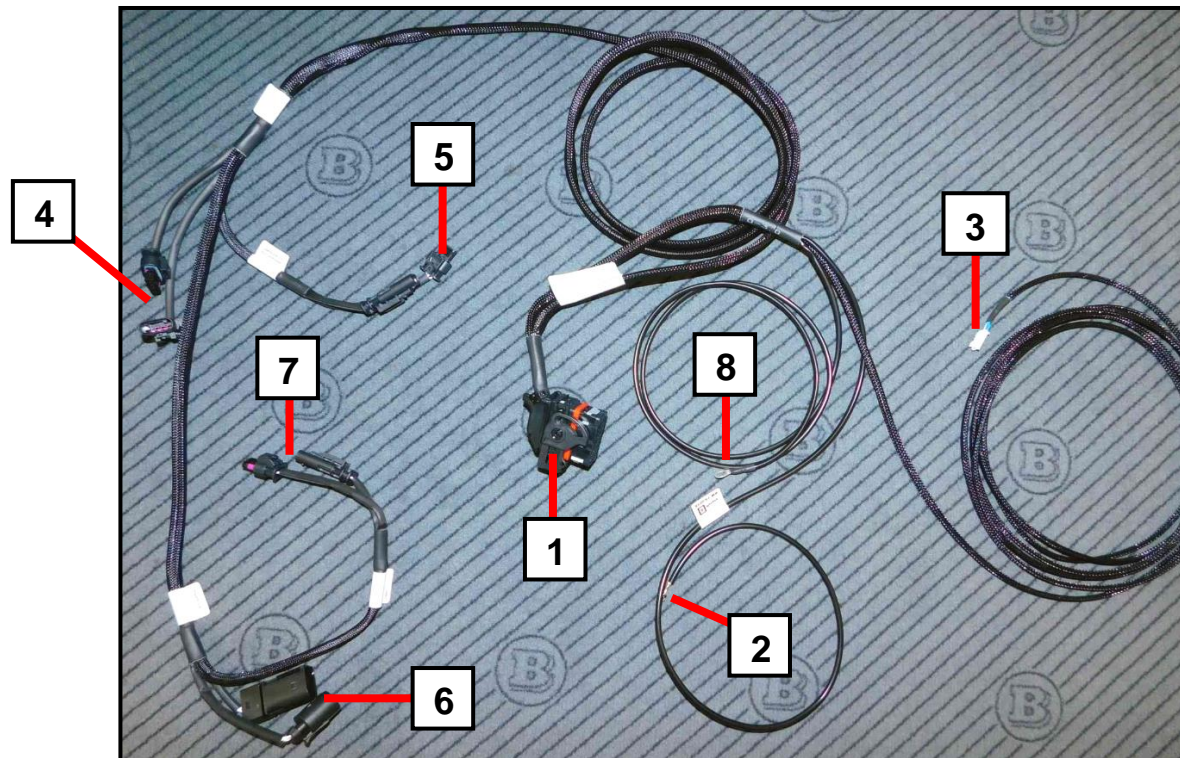
*The product described in the instructions was developed, produced and checked considering the necessary safety requirements.
In order to ensure a proper and safe function and to rule out danger for persons and objects, this product must be installed appropriately.
Only trained, qualified staff, having the necessary technical experience and tools, should make the installation.
Therefore you have to read and completely understand these instructions.
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:

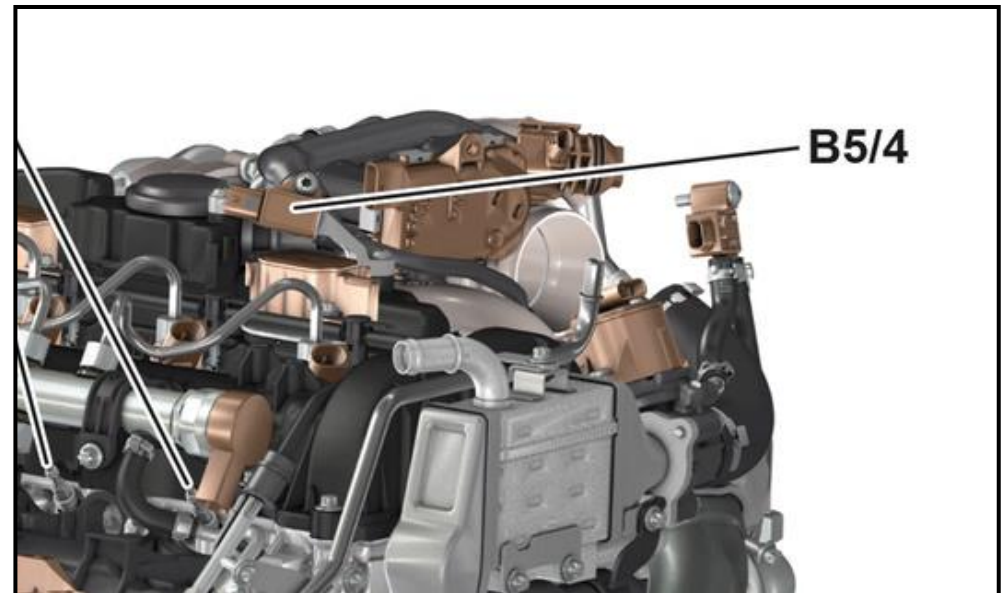
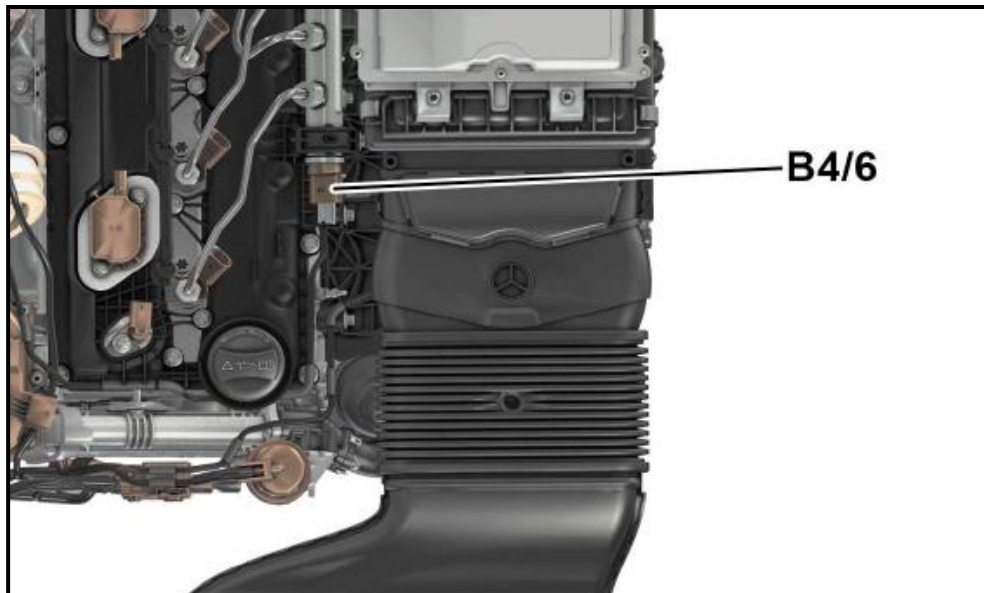
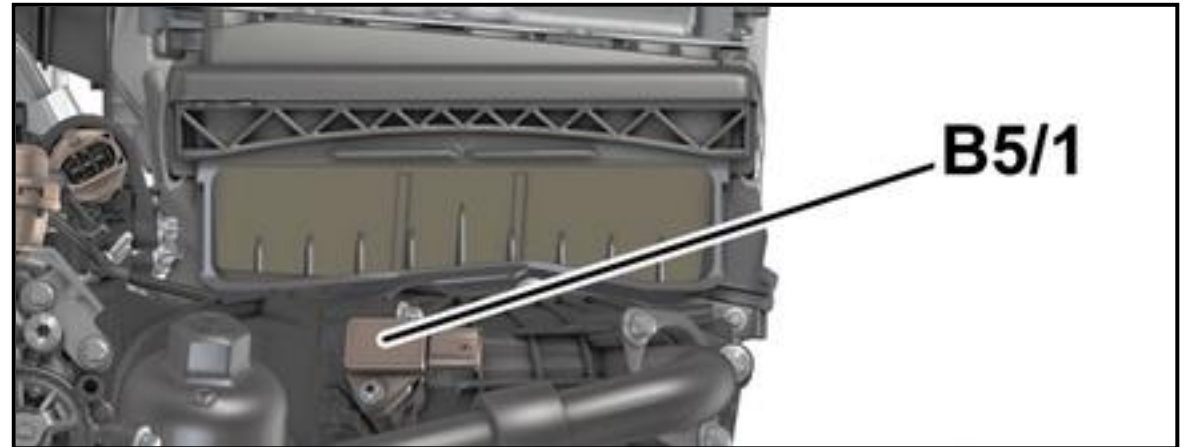
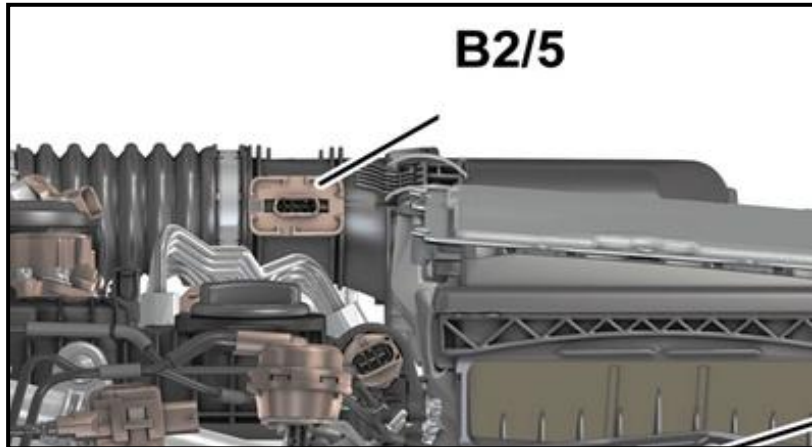
1x PowerXtra control unit	002-CDI-V61
1x Wiring harness	257-D40-05-K,
1x Lettering „Brabus“	211-000-14
1x Set of „powered by“ letterings	000-000-30
1x TÜV-certificate	

Overview of wiring harness connections to be established:

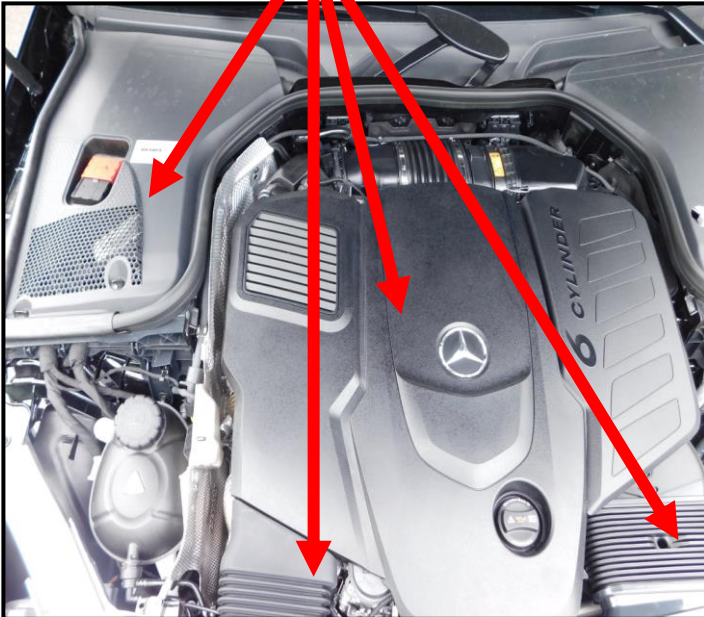
- 1- PowerXtra main plug
- 2- Power supply, to power supply terminal within passenger footwell (right a-pillar)
- 3- CAN-connector / To CAN distributor within driver footwell
- 4- Adapter plugs for air mass sensor (B2/5)
- 5- Adapter plugs for charge pressure in front of throttle valve (B5/1)
- 6- Adapter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



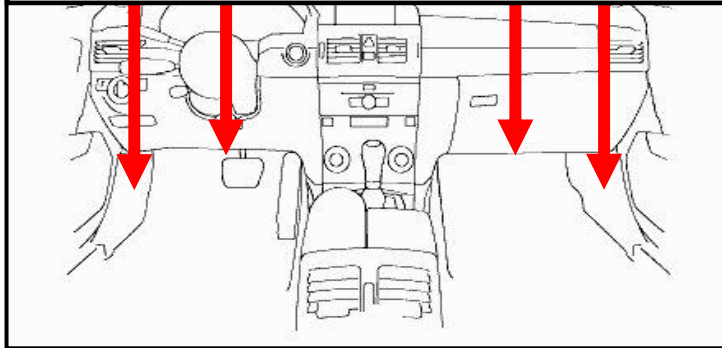
Overview of relevant system components OM656:



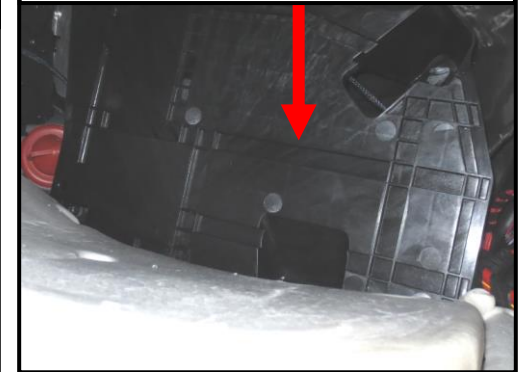
Remove plastic trim shown and engine plastic cover



Remove entrance plastic trims and lower dashboard covers, fold up left and right flooring



Remove passenger side footrest



Remove airfilter and vehicle battery

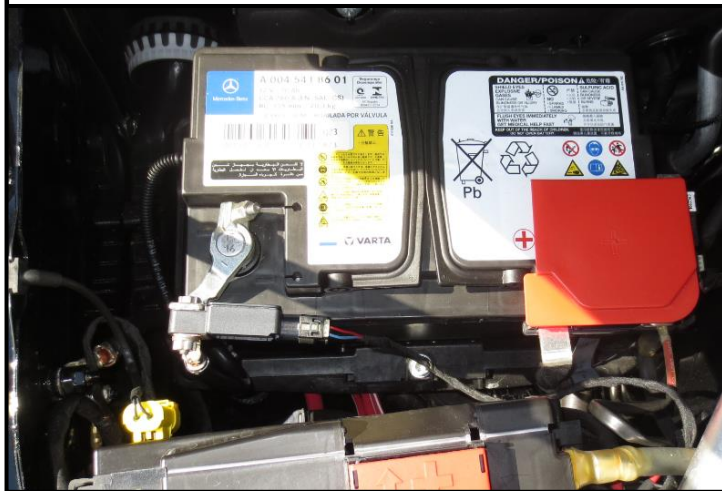
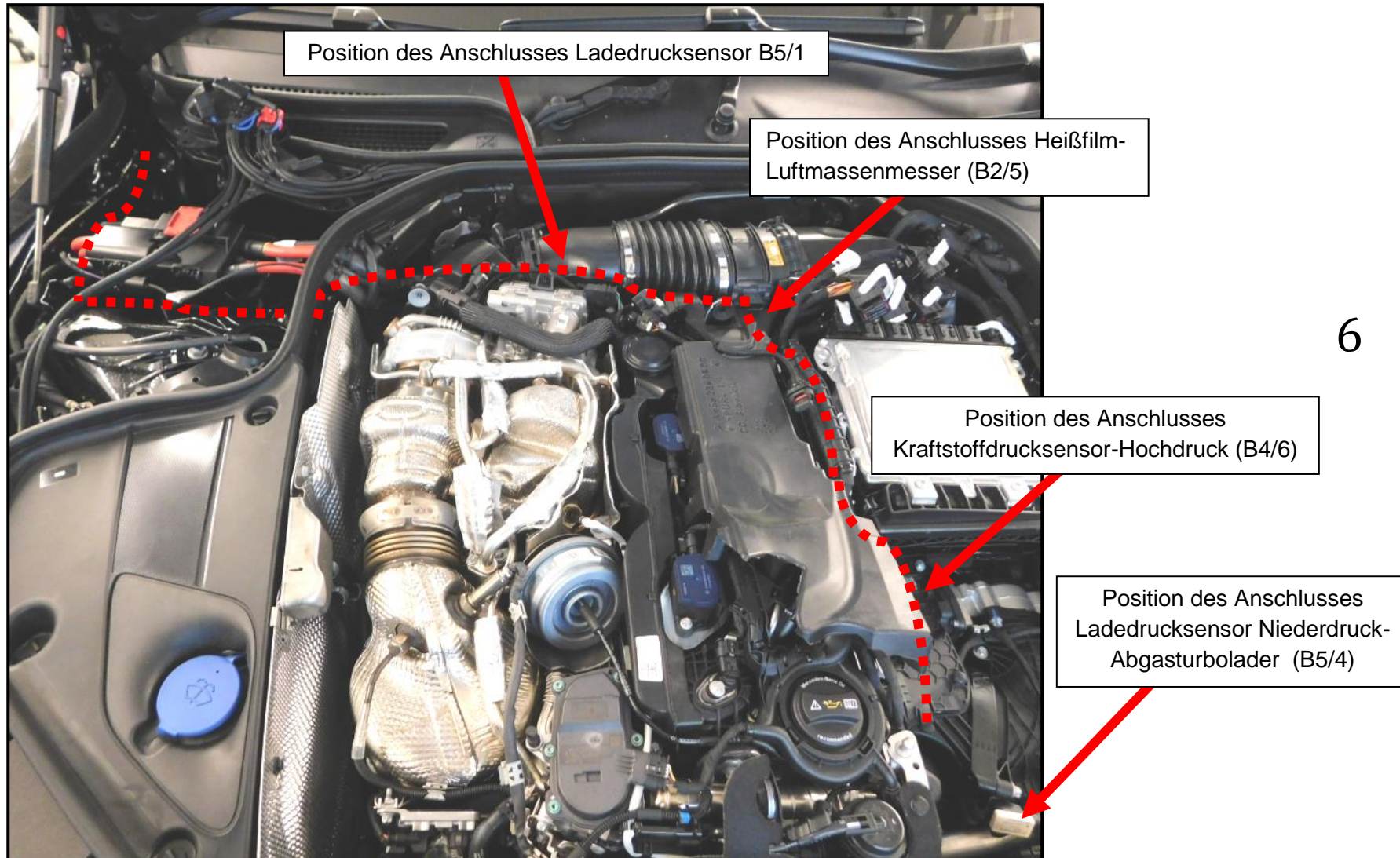
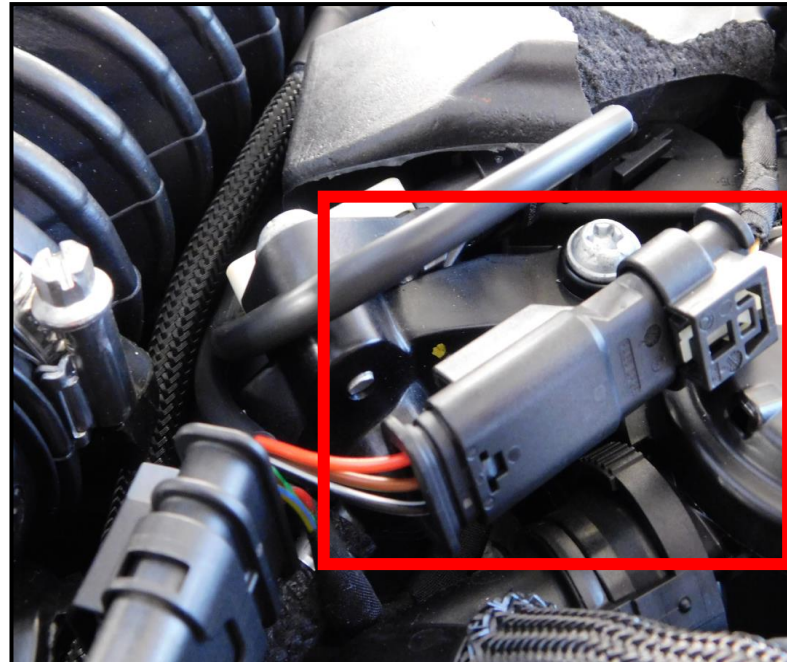
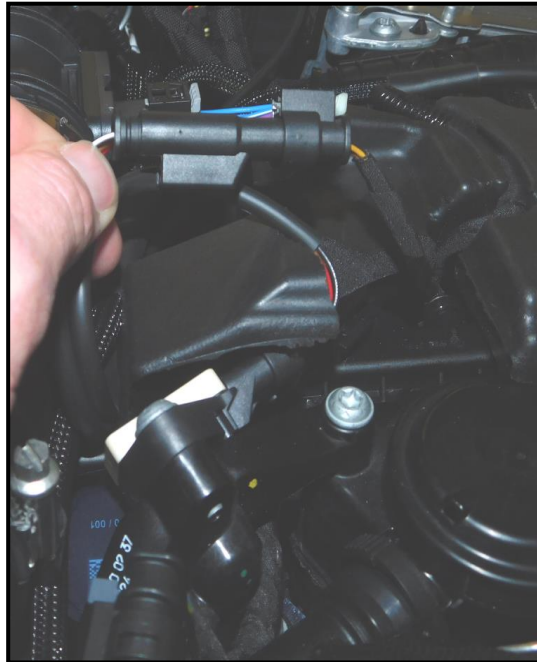


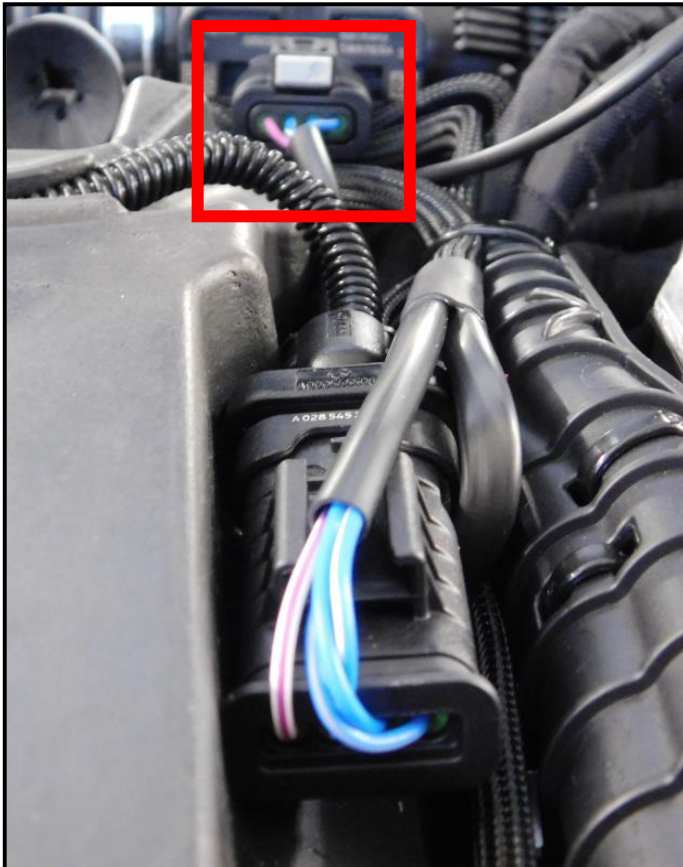
Illustration of engine bay wire harness routing:



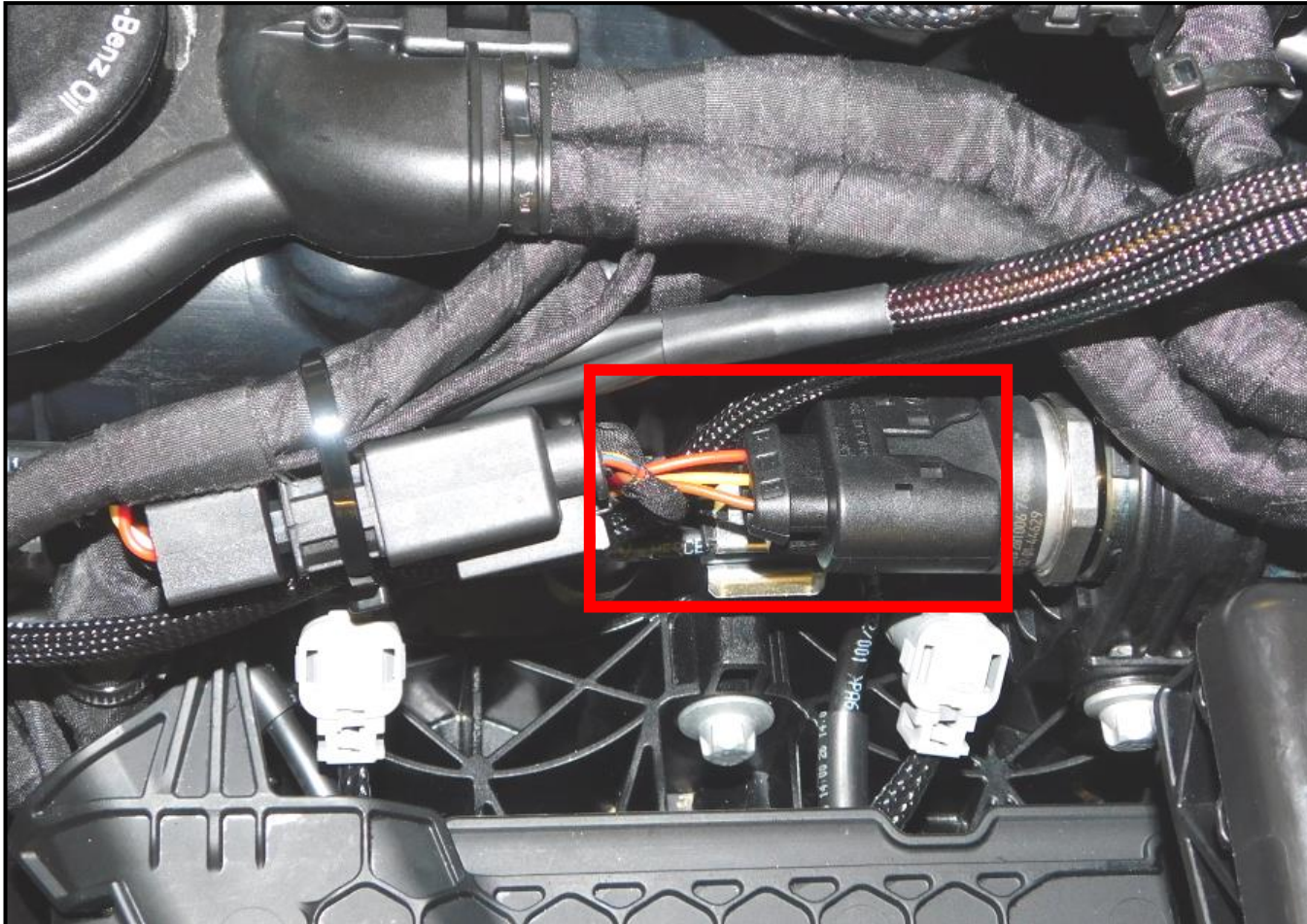
Disconnect plug of charge pressure sensor (B5/1) and connect to Brabus wire harness, connect plug of Brabus wire harness to charge pressure sensor (B5/1)



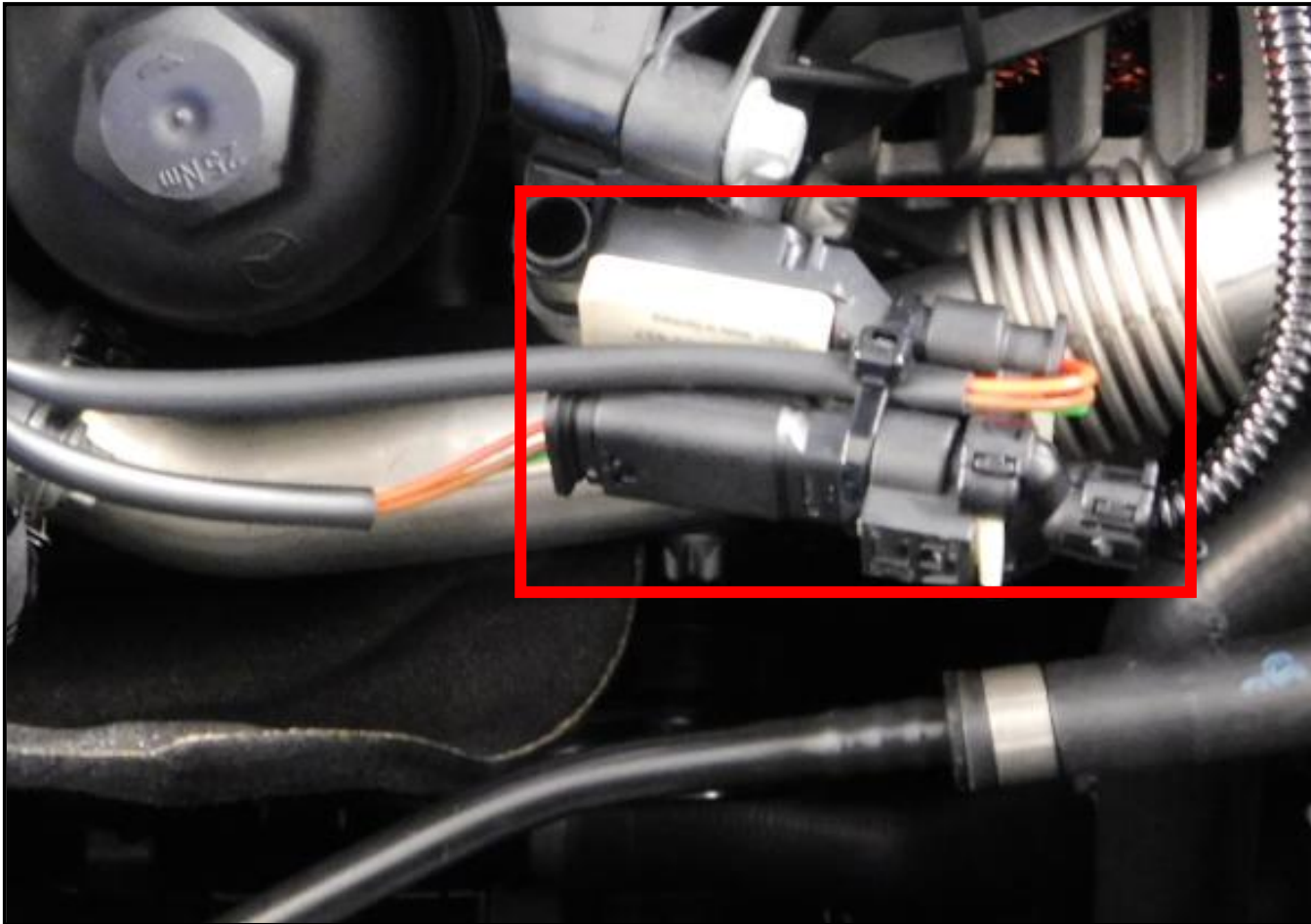
Route wire harness to air mass sensor (B2/5). Connect plug of air mass sensor (B2/5) to Brabus wire harness, connect plug of Brabus wire harness to air mass sensor (B2/5)



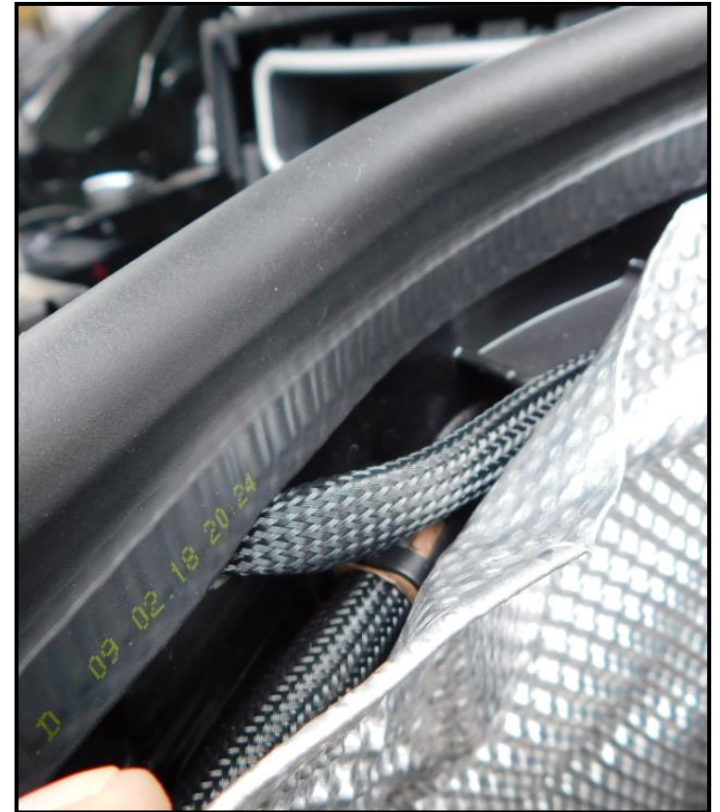
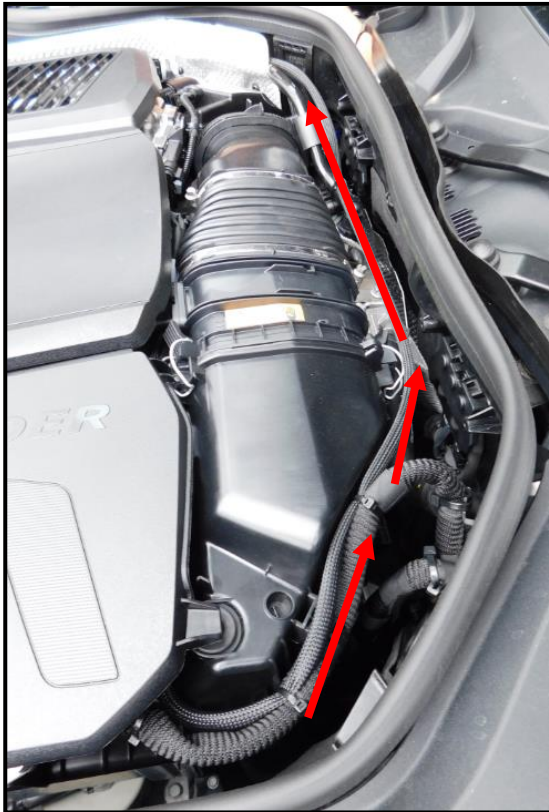
Route Brabus wire harness to fuel high pressure sensor (B4/6). Connect plug of fuel high pressure sensor (B4/6) to Brabus harness, connect plug of Brabus harness to fuel high pressure sensor (B4/6).



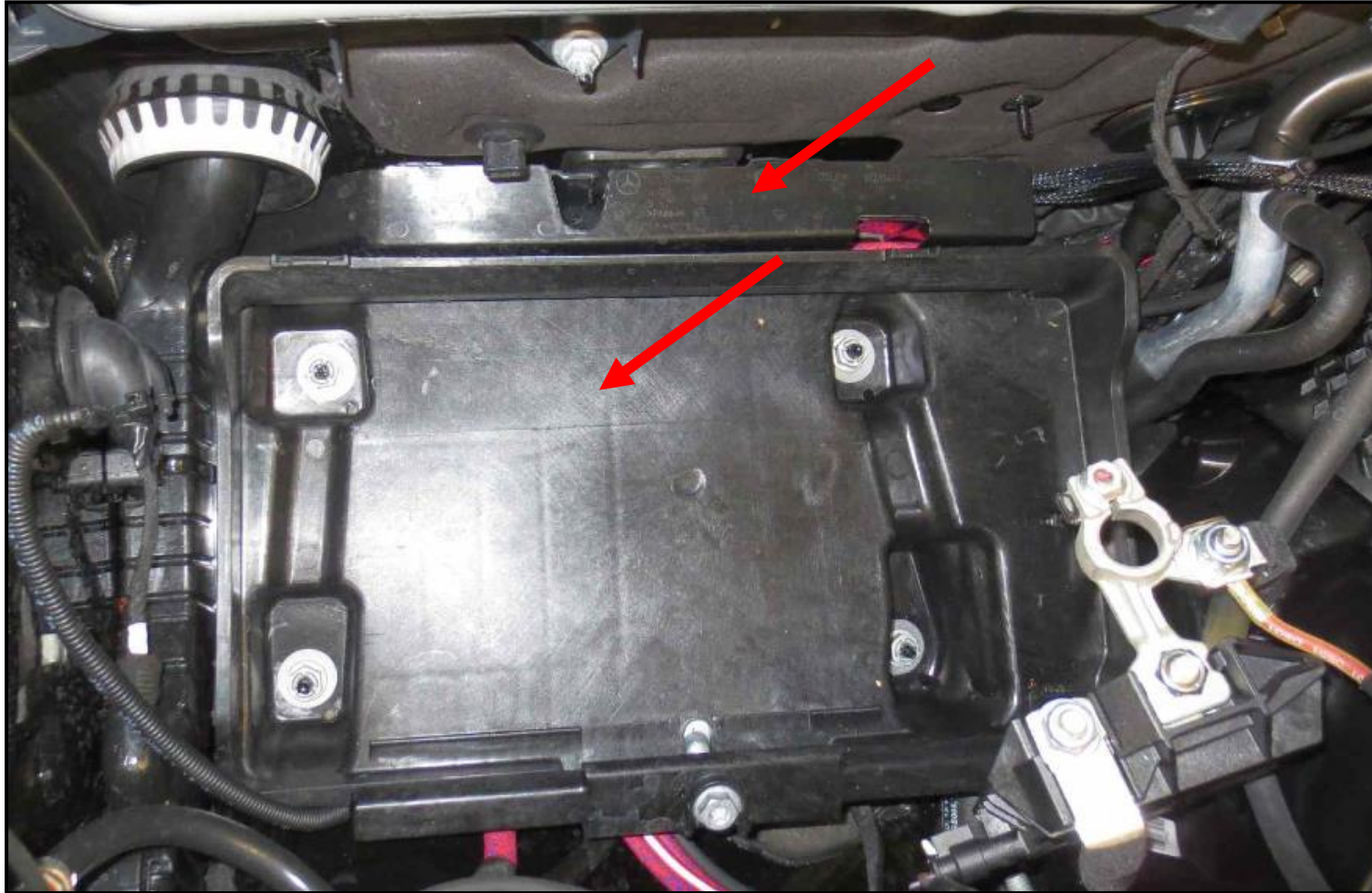
*Route Brabus wire harness to charge pressure sensor of low pressure circuit (B5/4).
Connect plug of charge pressure sensor of low pressure circuit (B5/4) to Brabus
harness, connect plug of Brabus harness to charge pressure sensor of low pressure
circuit (B5/4)*



Route wiring harness according to image below through engine bay interwall (below rubber sealing) and to the assembly area of the vehicle battery. Fixate wiring harness using cable ties.

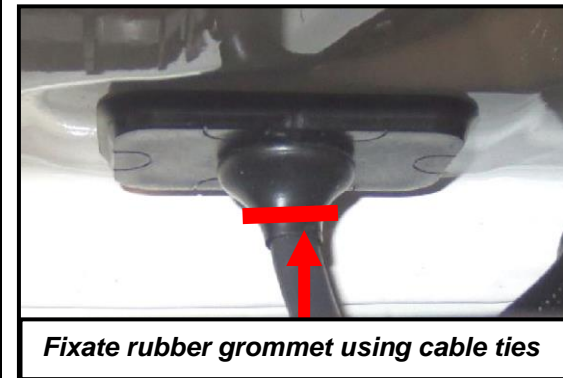
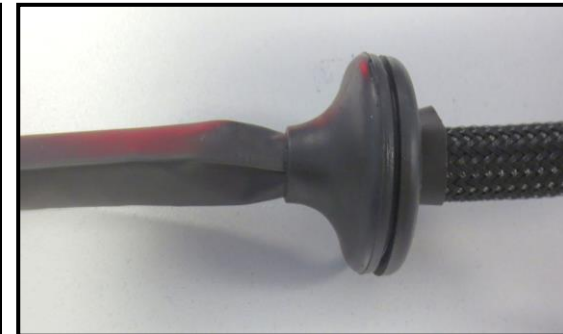
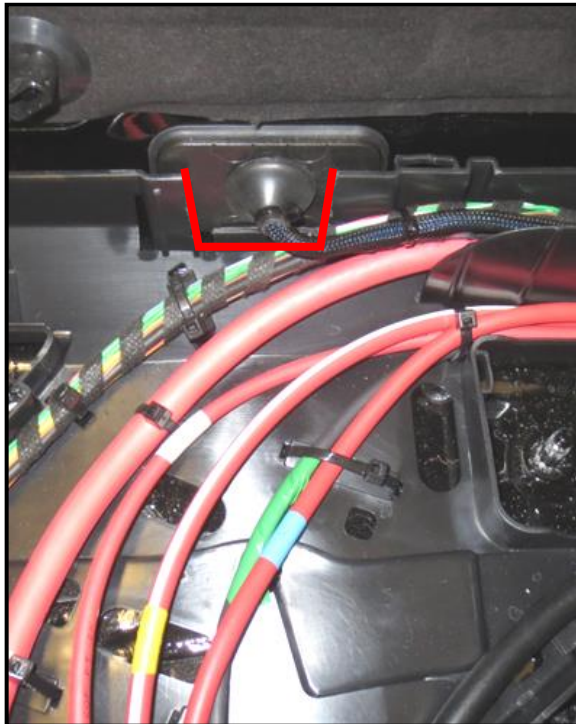


Remove battery support and wiring harness duct cover



Drill 22mm hole into plastic cover using a suitable drill (cone drill). Route CAN, power-supply and ground wires through rubber grommet supplied. Attach rubber grommet to plastic cover and route the wires for CAN, power supply and ground into the passenger footwell. Seal rubber grommet using a cable tie. Re-attach plastic cover.
Cut the red marked areas out of the battery support using a suitable tool. Re-attach battery support and wiring harness duct cover.

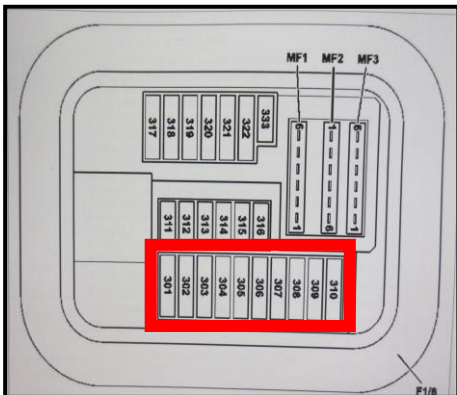
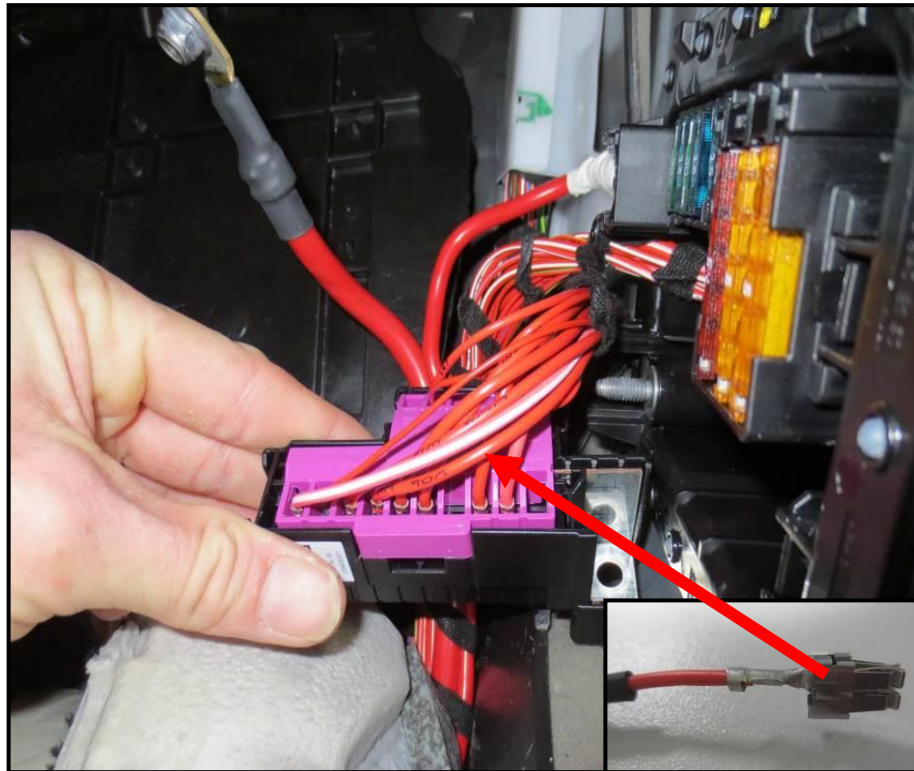
Make sure the implementation has securely been sealed, additionally seal using appropriate measures if required!



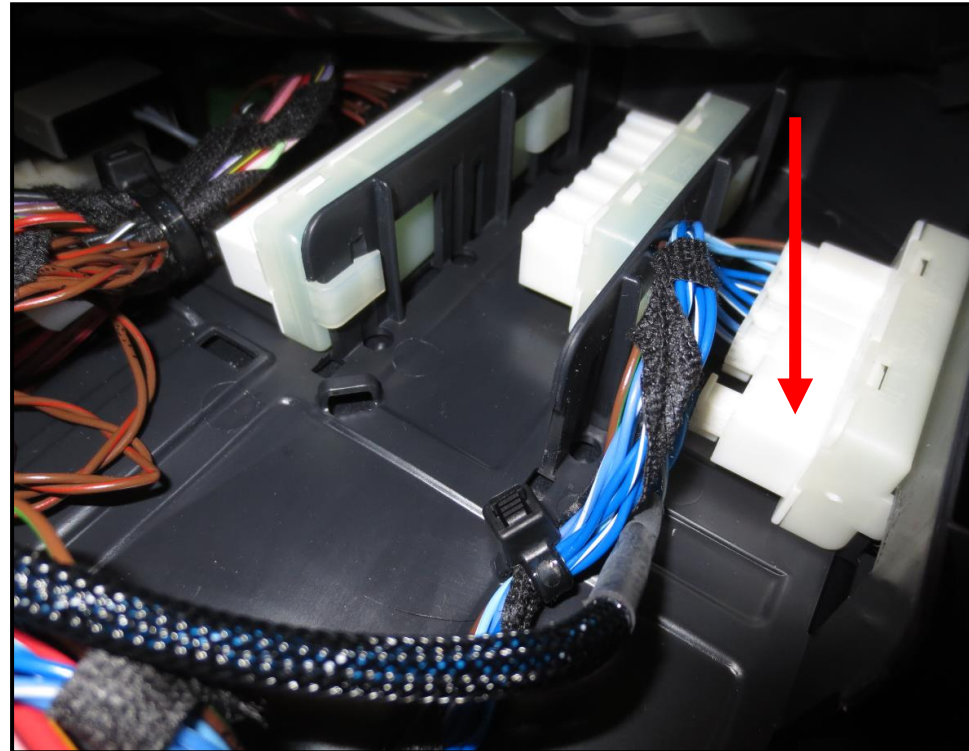
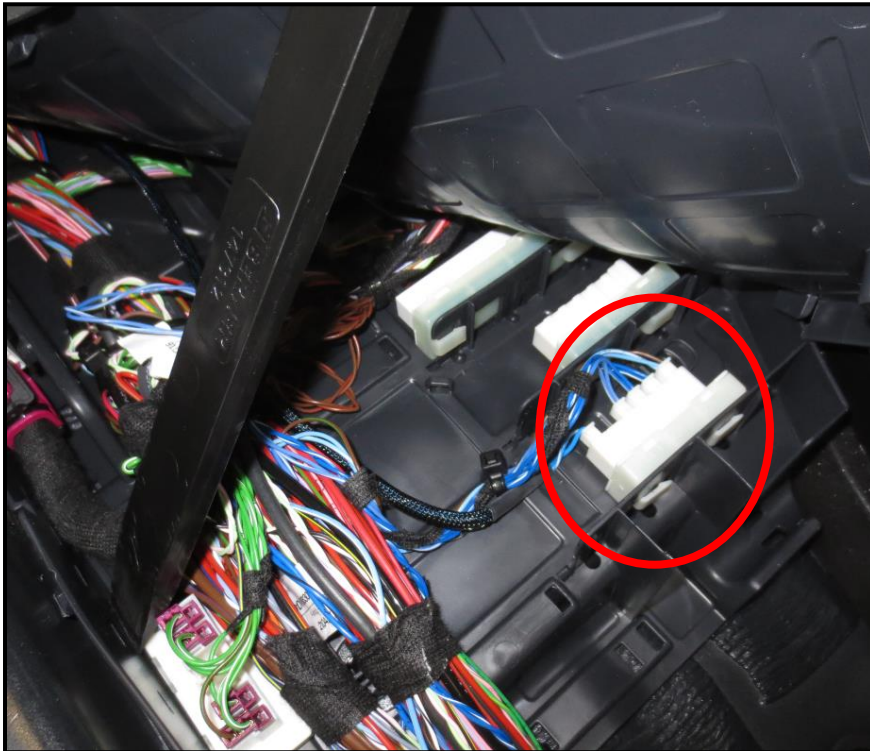
Re-attach vehicle battery. Connect PowerXtra harness to PowerXtra unit and fixate PowerXtra control unit to vehicle battery from behind using velcro tape supplied



Disconnect power supply wire at terminal shown and release the fuse port on the right side within footwell. Attach power supply wire of Brabus harness to slot shown (constant power supply). Attach 5Amp fuse to fuse port. Bolt ground ring lug to ground terminal within passenger footwell.



Route CAN wiring harness to the left vehicle side (below dashboard) and to CAN distributor shown (wires bu/ bu-wh). Route it down the left a-pillar and behind/ below flooring. Attach the plug of the wiring harness to a free port of the CAN distributor. Make sure for proper and safe routing and fixate CAN wires using cable ties.



Re-attach all removed cover parts and make sure all electrical connections were securely made, all wires were securely routed and are protected against damages. Check fault store and delete faults which might have occurred during installation. Perform a test-drive.