



B50 / B63-Performance-kit for W/ V 222 & C217



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.

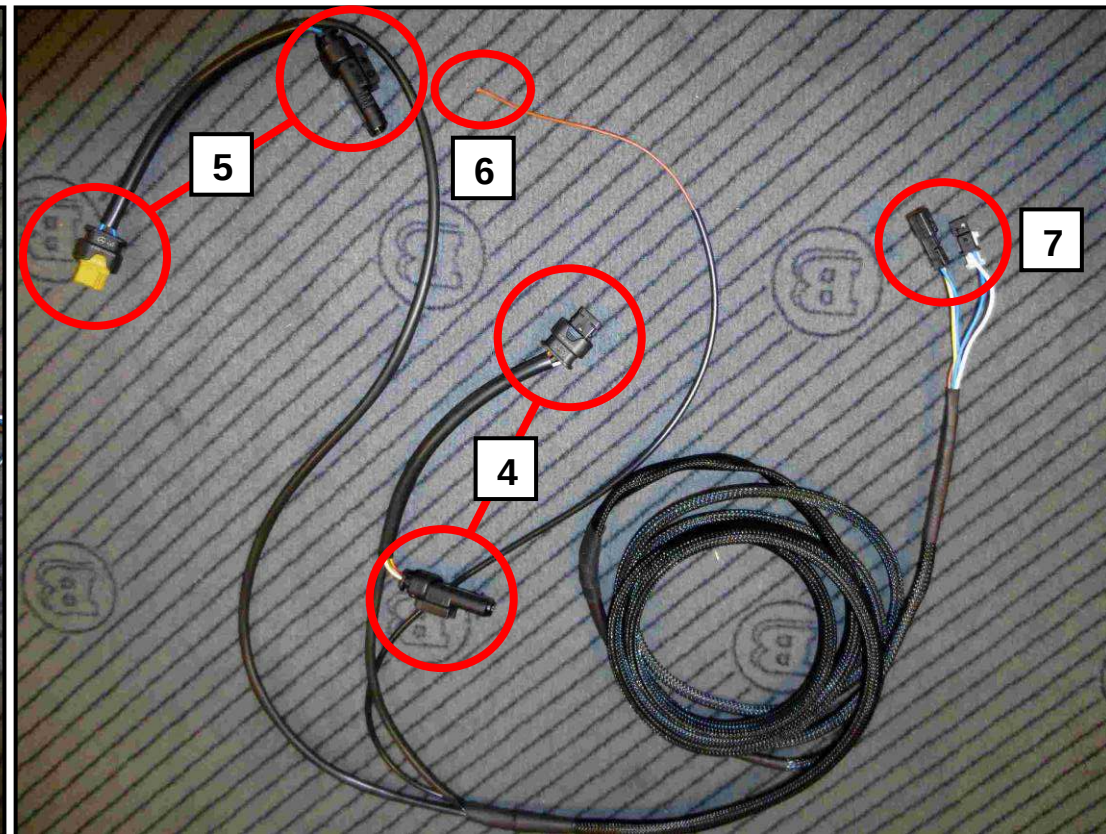
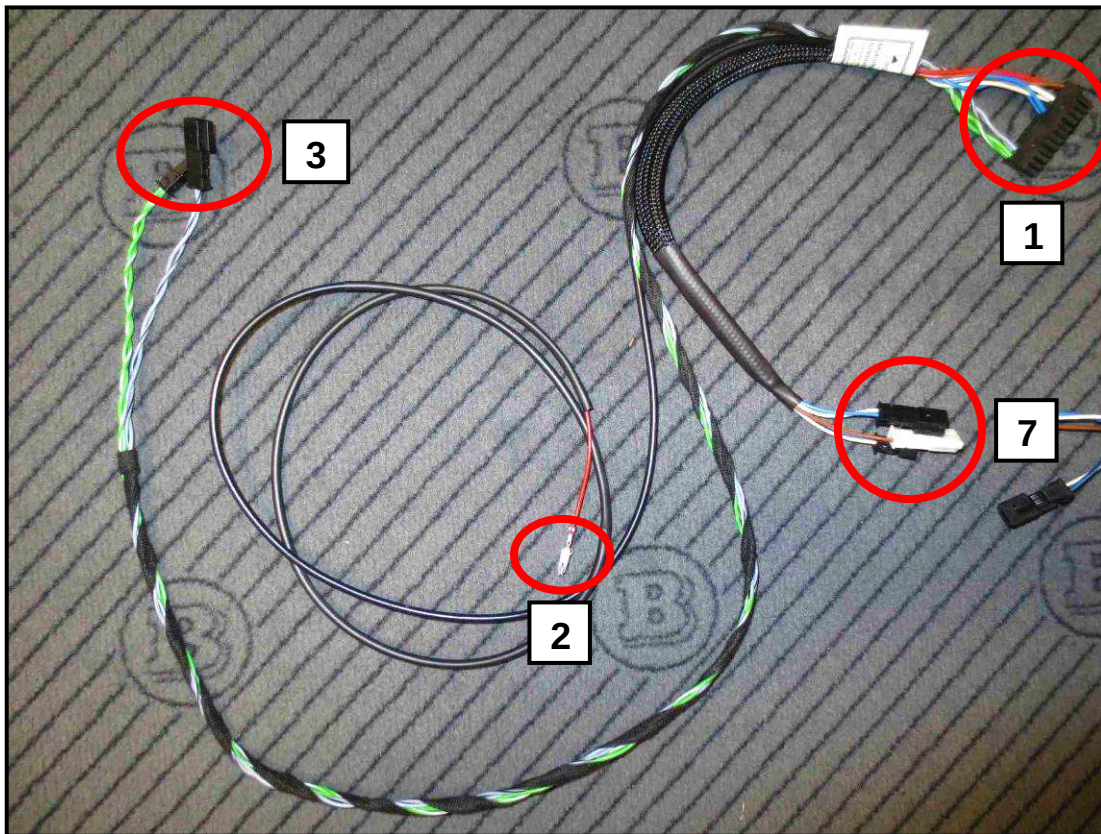
Included in delivery:

1x PowerXtra control unit	000-CGI-02
1x Interior wiring loom	222-755-05-K
1x Engine bay wiring loom	278-755-05-K
1x Adapter CAN	222-CAN-05-K
1x „Brabus“ typing	211-000-14
1x Set of typings „powered by“	000-000-30
1x TUV-type approval	
1x Assembly instructions	

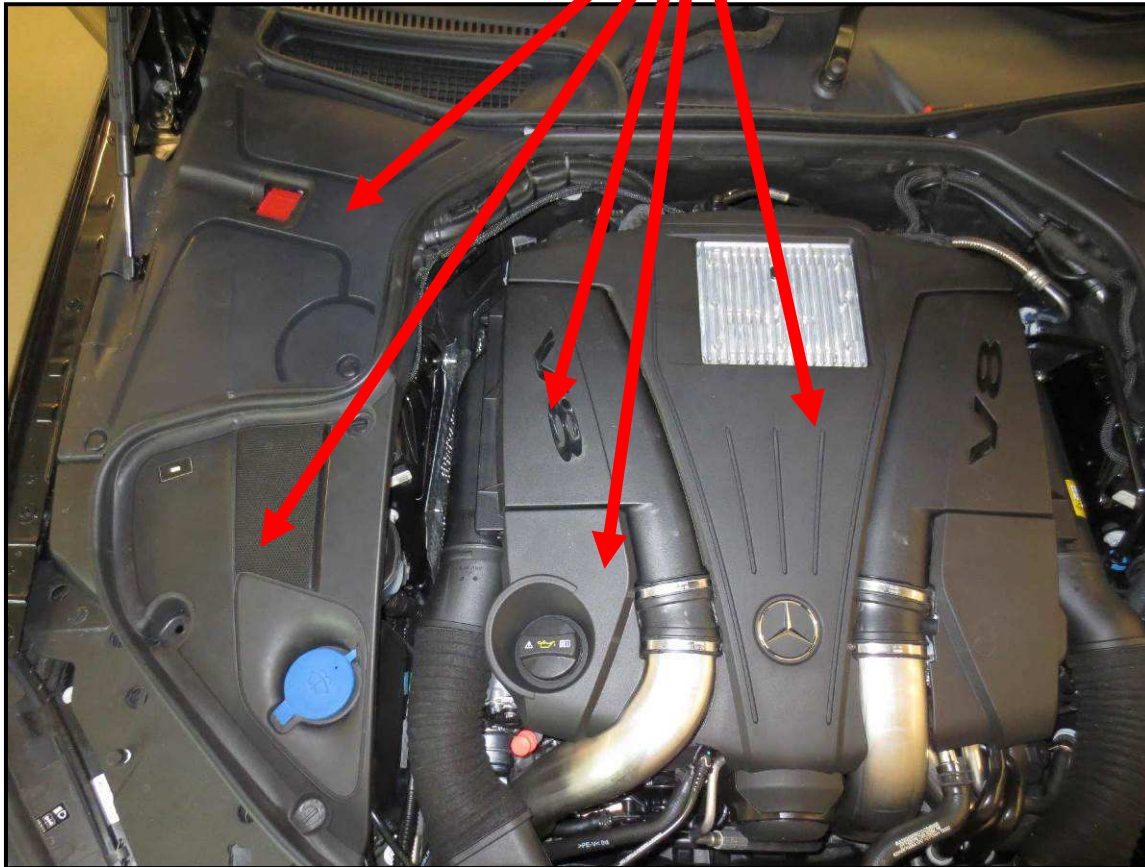


Connections to be established:

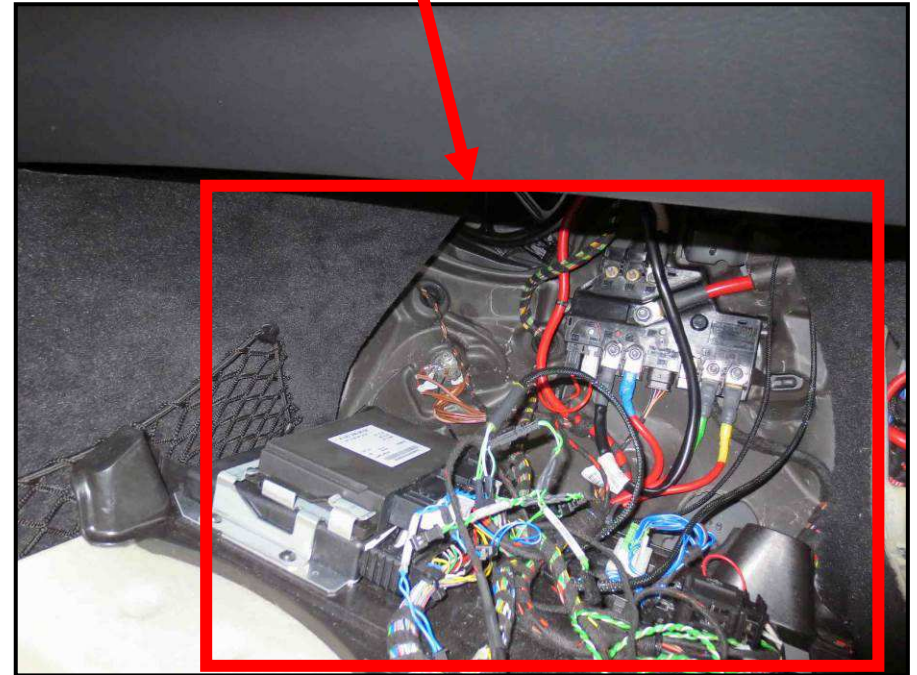
- 1- PowerXtra main plug
- 2- Power supply (red wire to power supply terminal within passenger footwell)
- 3- CAN-connectors
- 4- Charge pressure connectors
- 5- Intake pressure connectors
- 6- Ground connector, to be soldered parallel to engine control unit plug **F**, PIN2
- 7- Connectors interior wiring loom to engine bay wiring loom



Remove engine bay plastic covers and right airfilter housing



Get access to main electrics within passenger footwell.



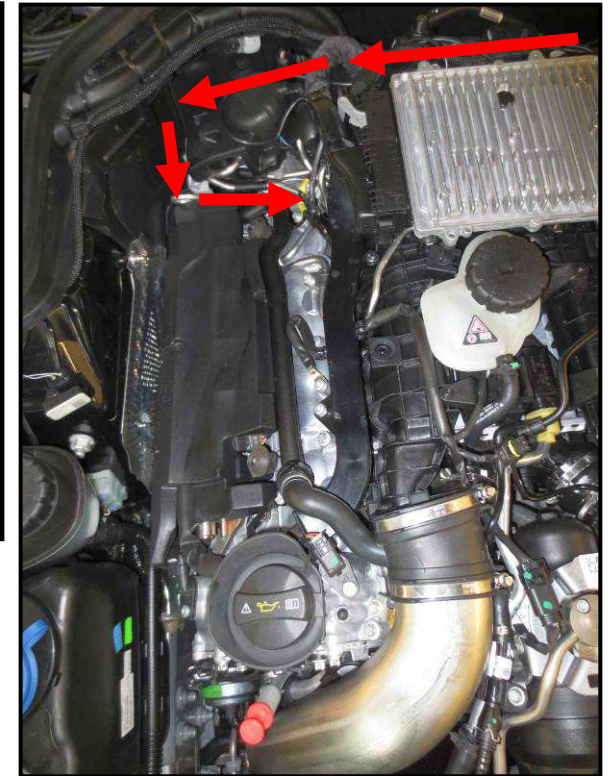
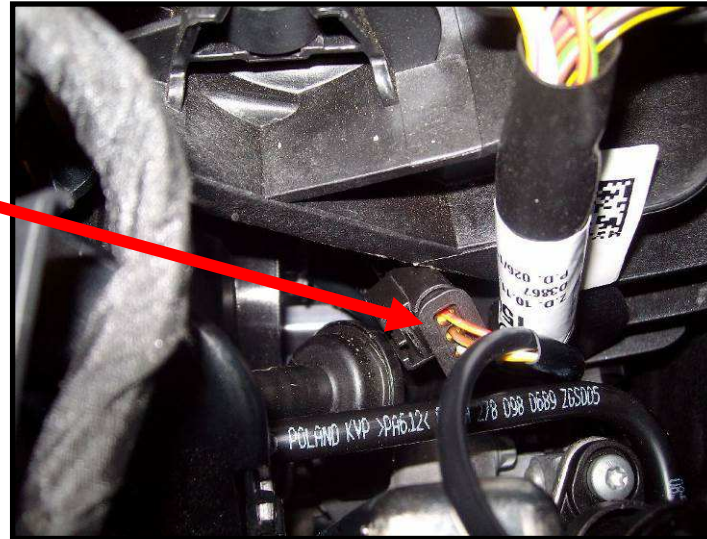
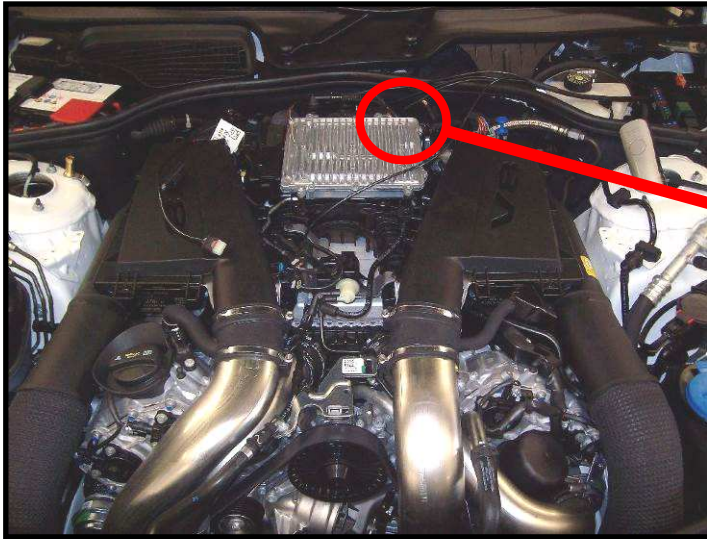
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Attention: *Disconnect the car main battery prior to performing the electrical connections!*



*Connect standard plug of boost pressure sensor to Brabus socket,
Connect Brabus plug to boost pressure sensor.
Route the wiring loom to intake pressure sensor.*



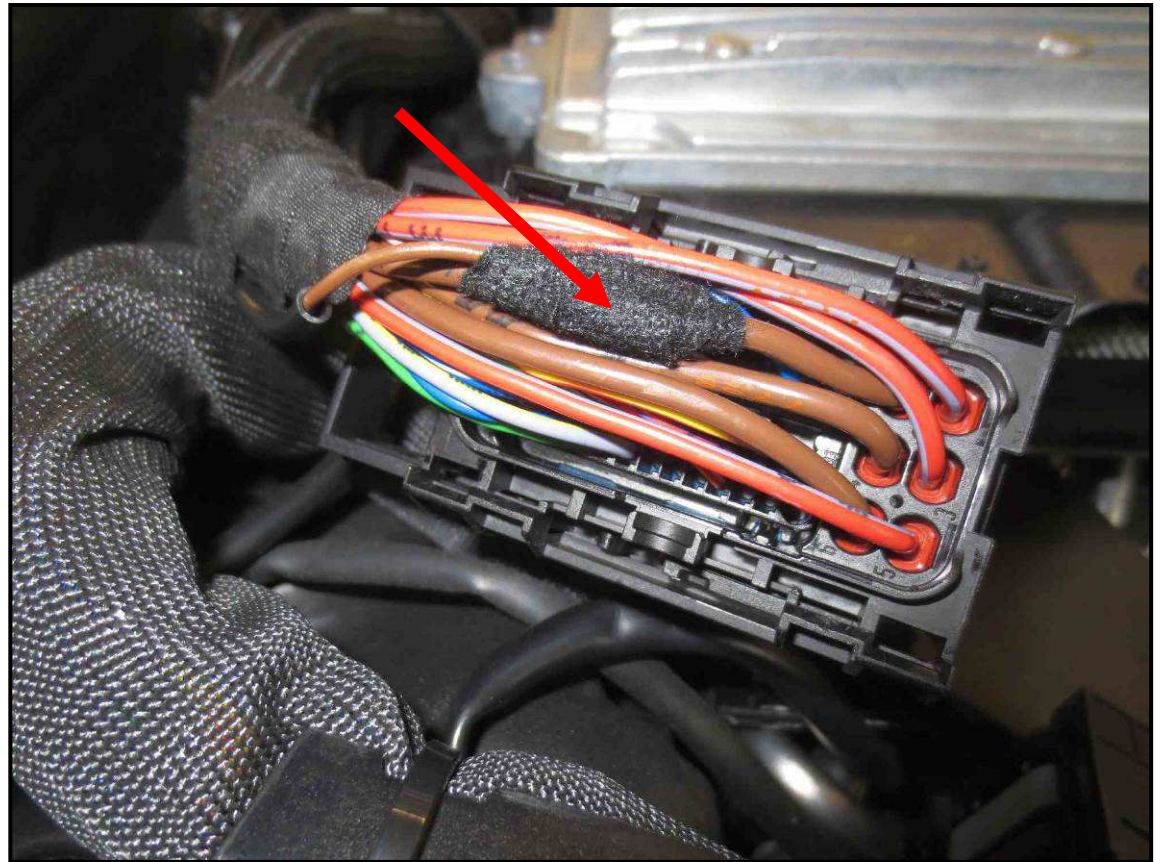
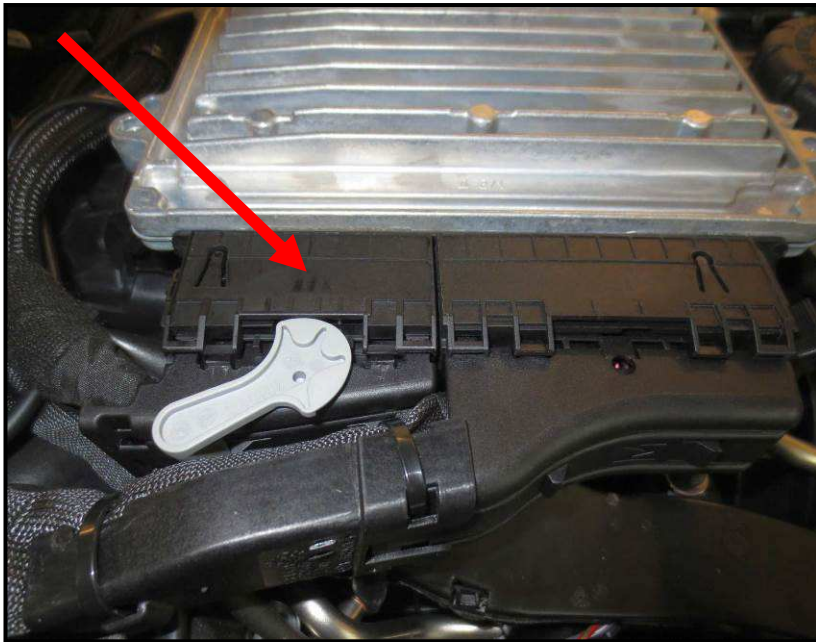
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*Connect standard plug of intake pressure sensor to Brabus socket,
Connect Brabus plug to intake pressure sensor.*

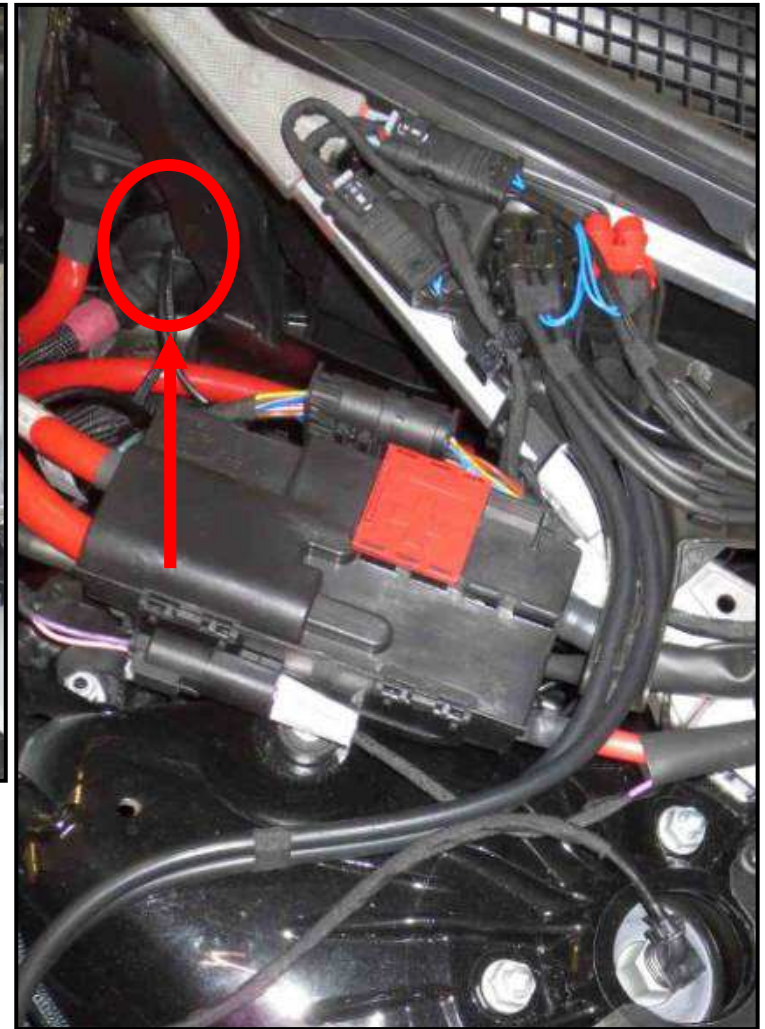
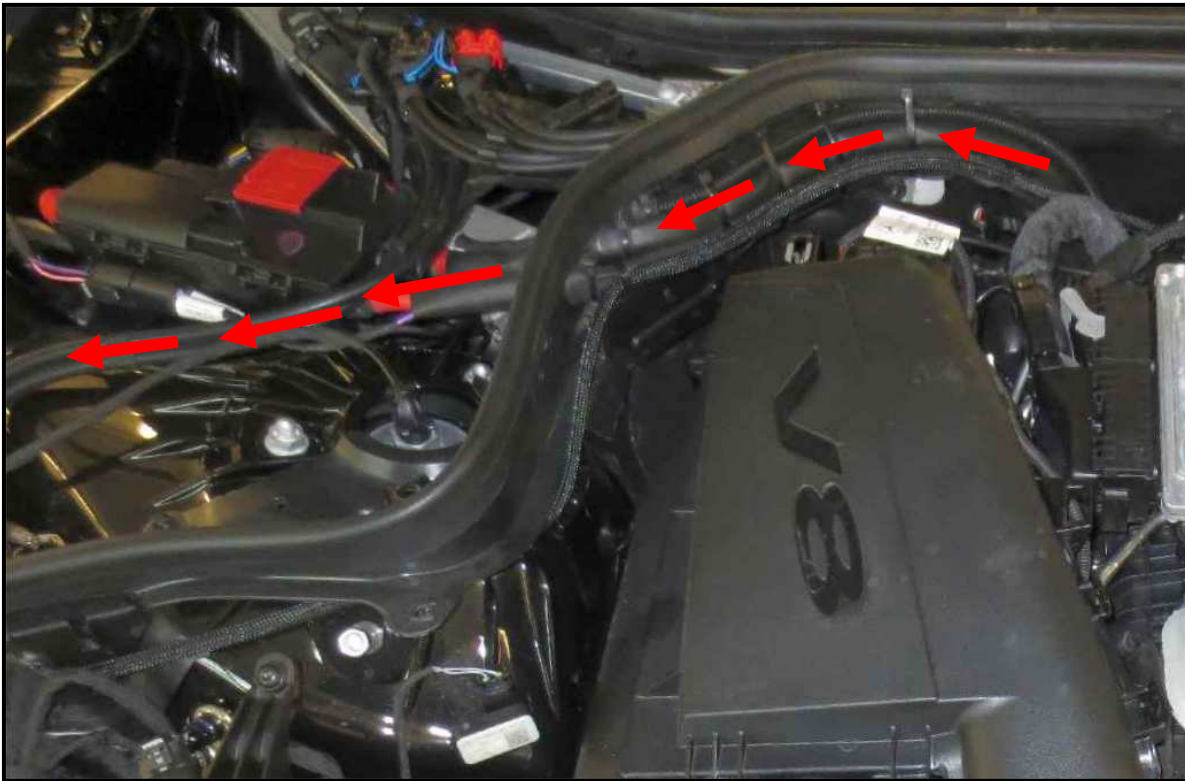


Disconnect plug „F“ of the engine control unit and remove the plastic cover, solder brown ground wire of engine bay wiring loom parallel to the wire out of slot 2. Sufficiently isolate soldered area. At kits with Vmax-increase do not yet re-connect the plug.





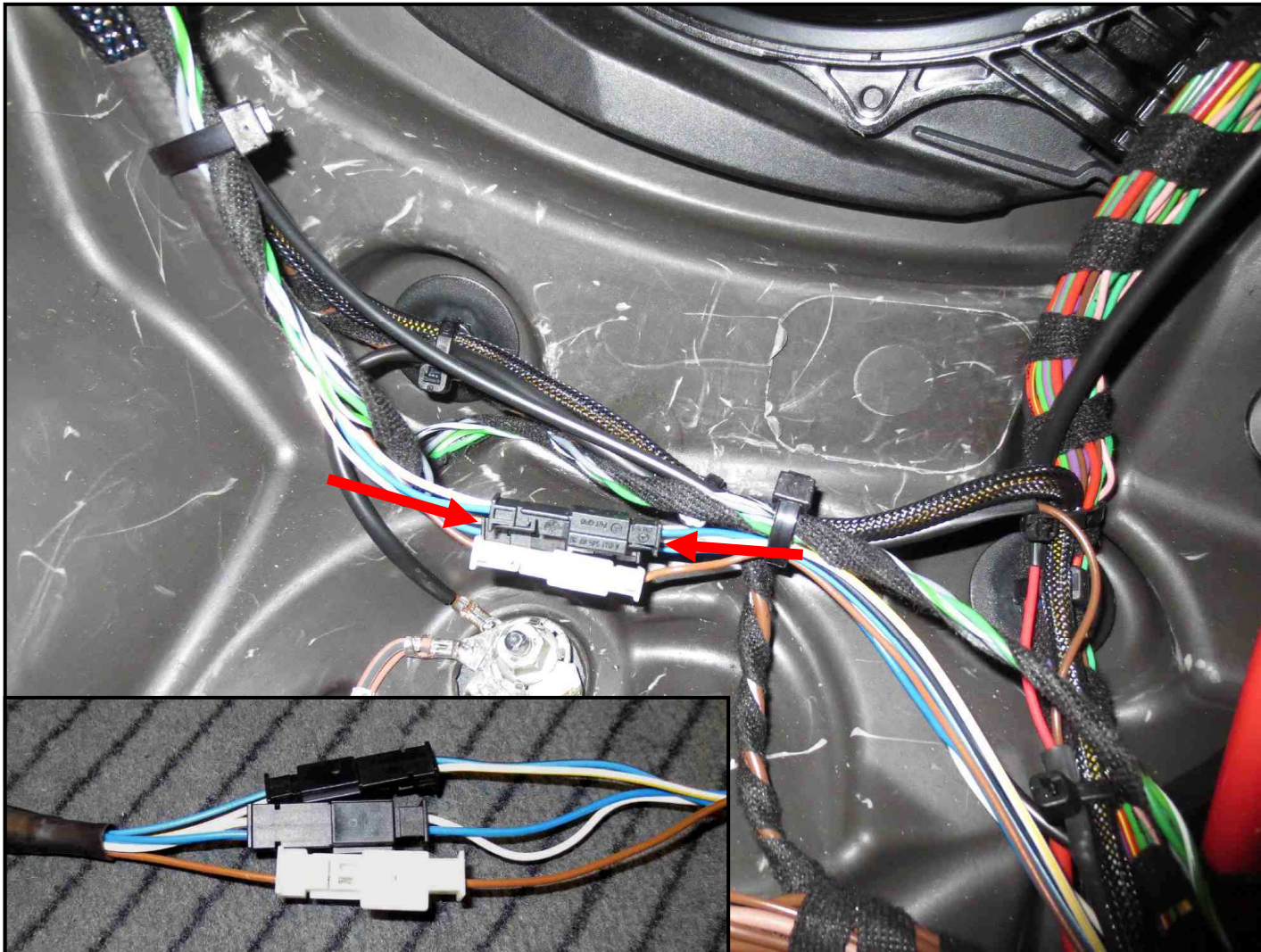
Route engine bay wiring harness to the rubber grommet on the passenger side according to images. Fixate wiring loom using cable ties.



***Carefully cut the rubber grommet shown and route the wires through the rubber grommet into the car.
It maybe helpful using a litz wire. Do not cut the grommet too far in order to avoid water can intrude!
We recommend to seal the implementation using PU adhesive according to image below in order to prevent water may intrude the vehicle.***



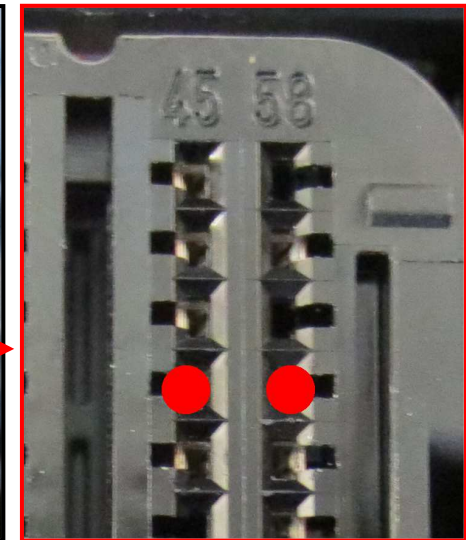
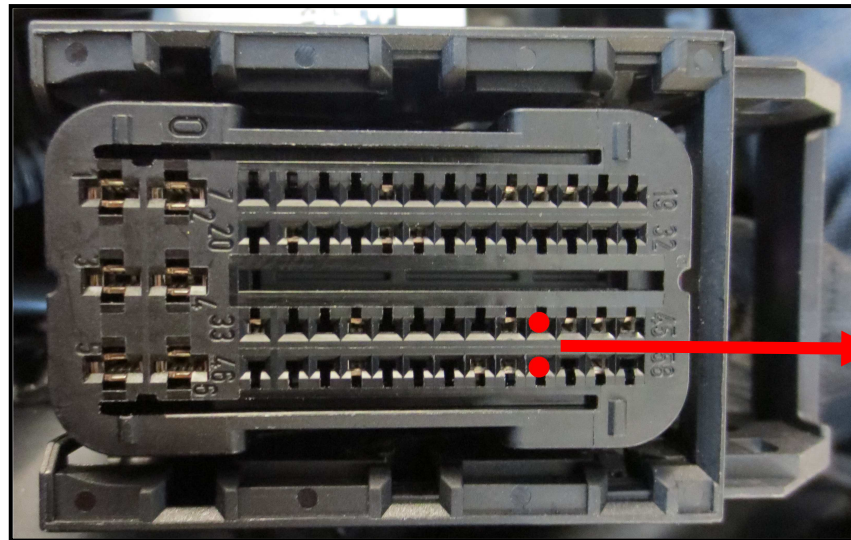
Connect engine bay wiring loom to interior wiring loom within passenger footwell.



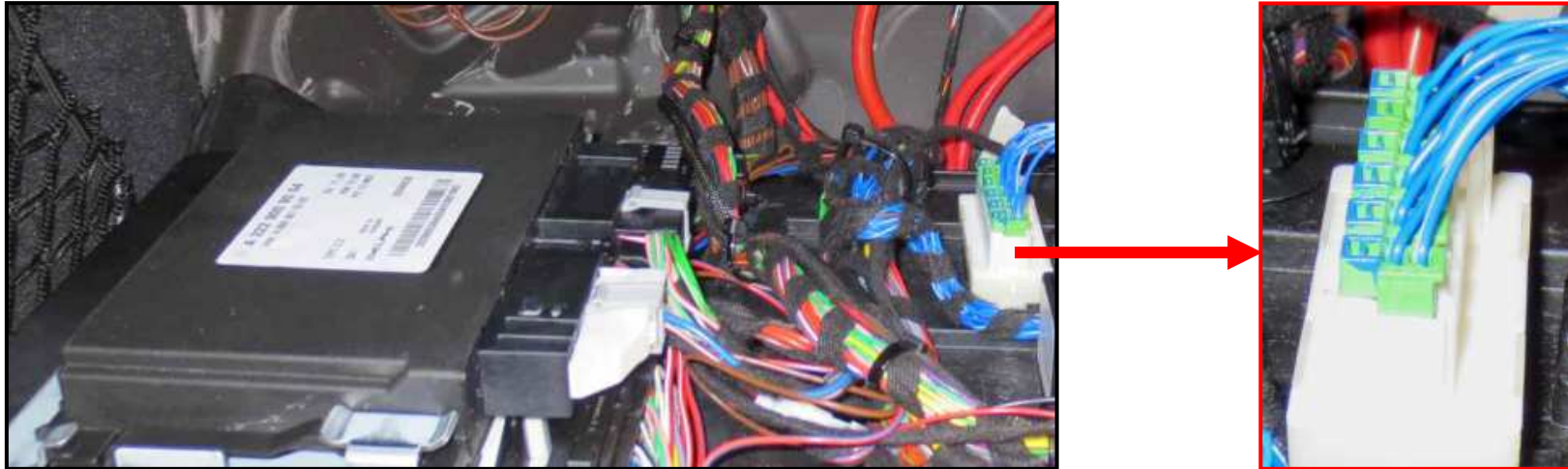
CAN-connection at performance-kits with Vmax-increase:



- Attach a multimeter to Pin 55 and Pin 42 and switch the multimeter to resistance measurement.
Do not damage the Pins of the control unit!

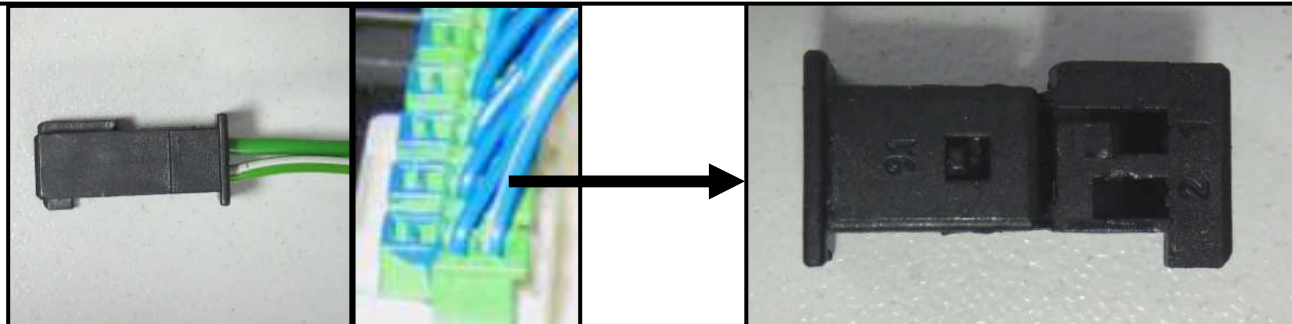


- Remove the CAN plugs of the CAN distributor one after another until the multimeter shows an interruption. When this is the case you have found the plug the Brabus harness is to be connected to.

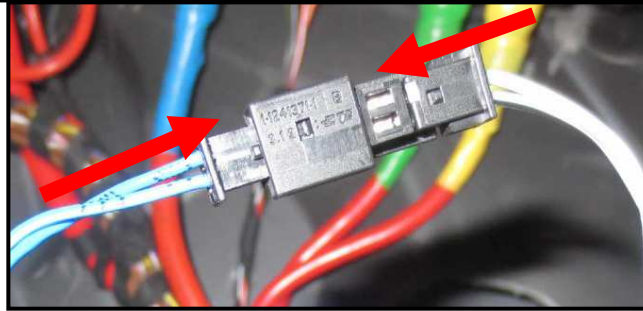


- Remove the identified engine CAN-plug and remove the blue/ blue-white wire out of the green plug. Remove the green/ green-white wires out of the black plug. Attach the blue/ blue-white wires to the black plug.

Remove green/ green-white wires. Attach blue/ blue-white wires to black plug.

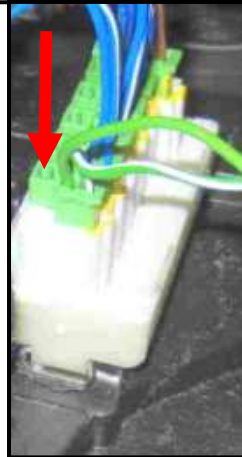


Connect black plug to black socket of Brabus interior harness (blue to grey, blue-white to grey-black).

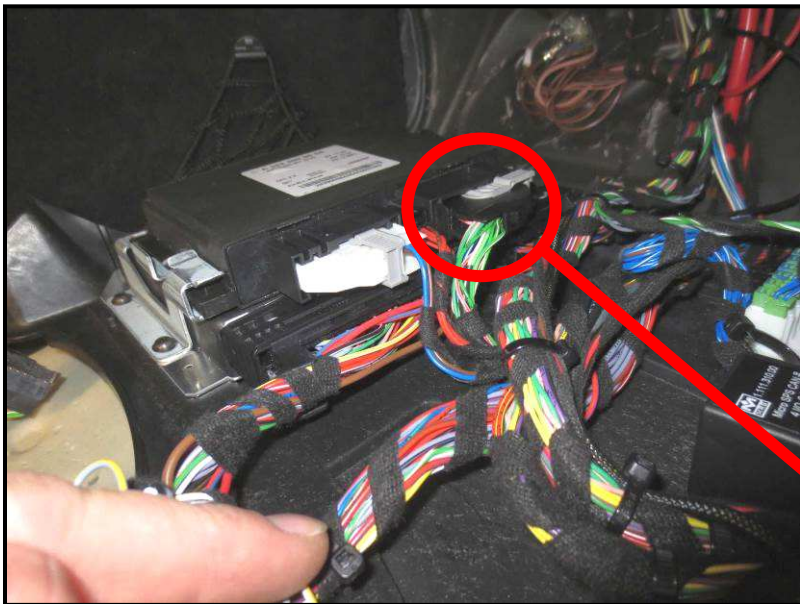


- *Attach the green/ green-white wires to the green plug, Attach the green plug to the engine-CAN port of the CAN-distributor.*

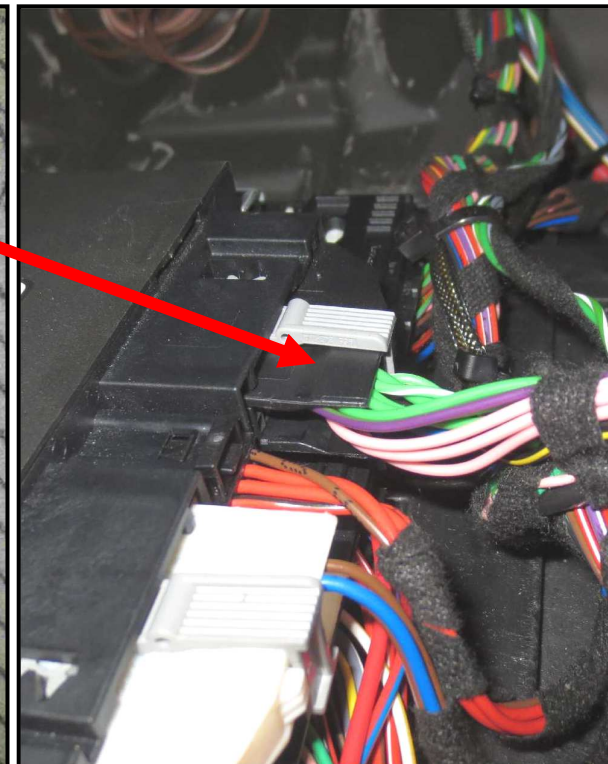
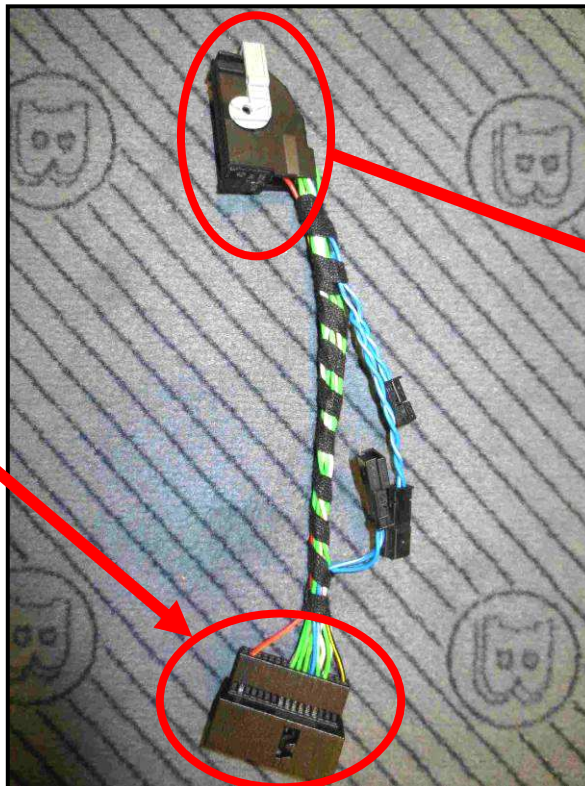
***Attach green/ green-white wires to green plug (green wire to plug latch).
Attach plug to engine CAN-port of distributor.***

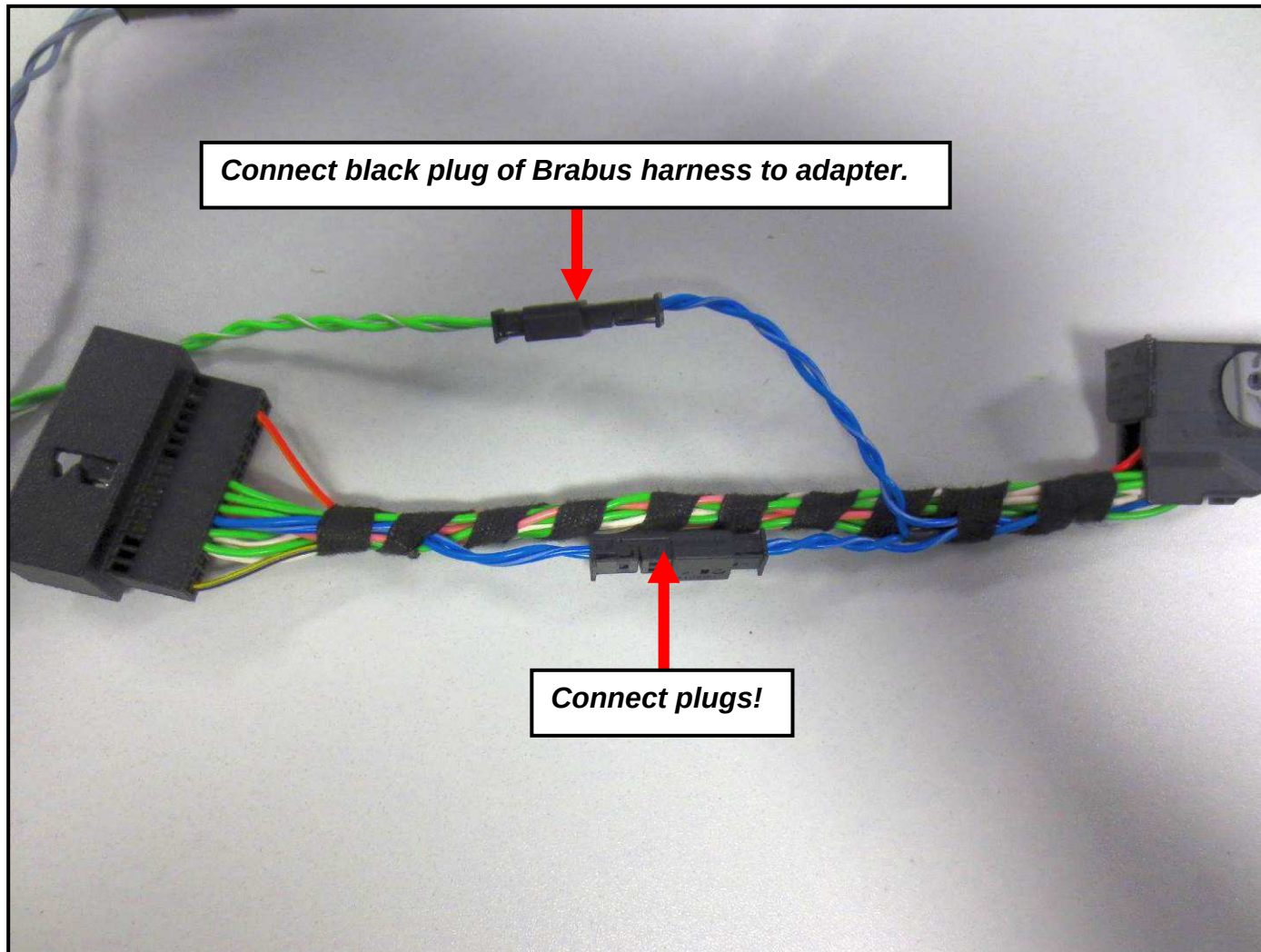


CAN-connection at performance-kits without Vmax increasement



Disconnect black plug of control unit and connect to adapter plug, connect adapter plug to control unit.





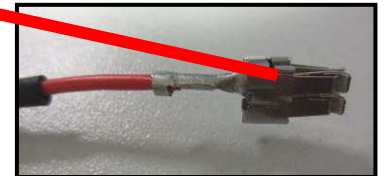
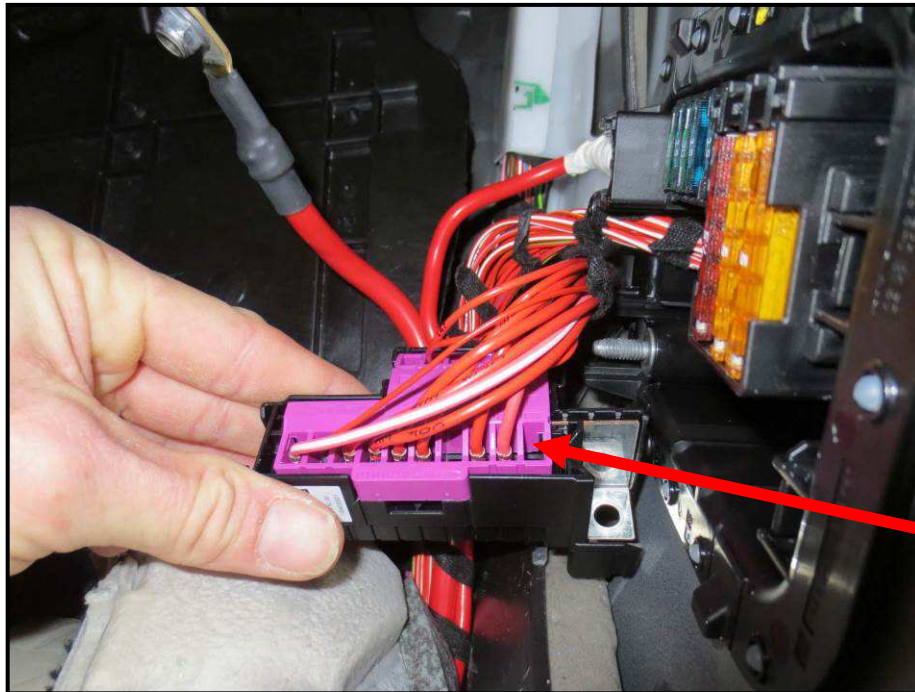
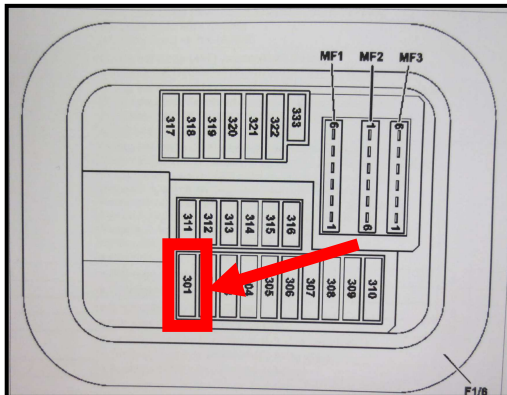


Attach PowerXtra control unit to black control unit using velcro tape supplied



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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 301 (fig.). Attach 5Amp fuse to fuse port.



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 the fault store and erase faults which may have occurred during installation.
Perform a test-drive.***