B25 performance-kit for W 447, V-260,
Article-no.: 447-B25-00

BRABUS®

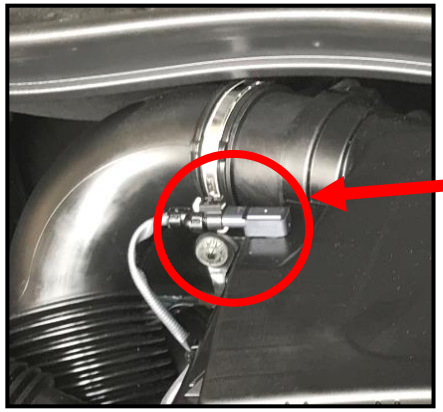
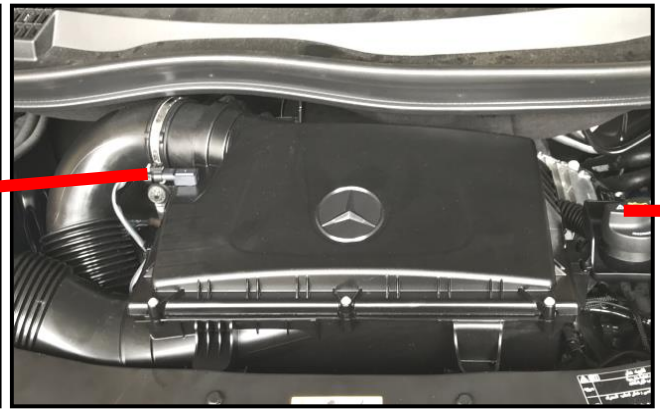
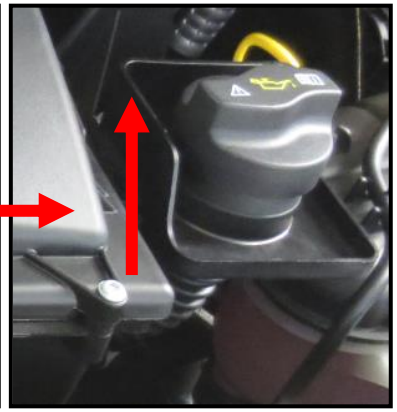
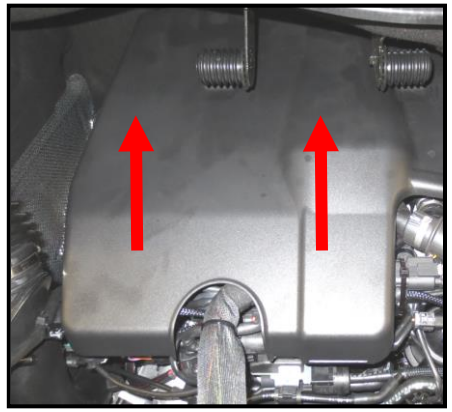
The product described in the instructions was developed, produced and checked considering the necessary safety requirements.
In order to ensure a proper and safe function and to rule out danger for persons and objects, this product must be installed appropriately.
Only trained, qualified staff, having 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 PowerXtra wiring loom incl.2-pole CAN-plug	447-B20-05-K
1x Unlocking tool	190-740-05-W
1x Countersunk bolt	WU087620
1x „Brabus“-lettering	211-000-14
1x Set of letterings „powered by“	000-000-30

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Release plugs, hoses and oil filler unit from airfilter housing, remove airfilter housing and engine plastic cover.

Open fuse and relay - box



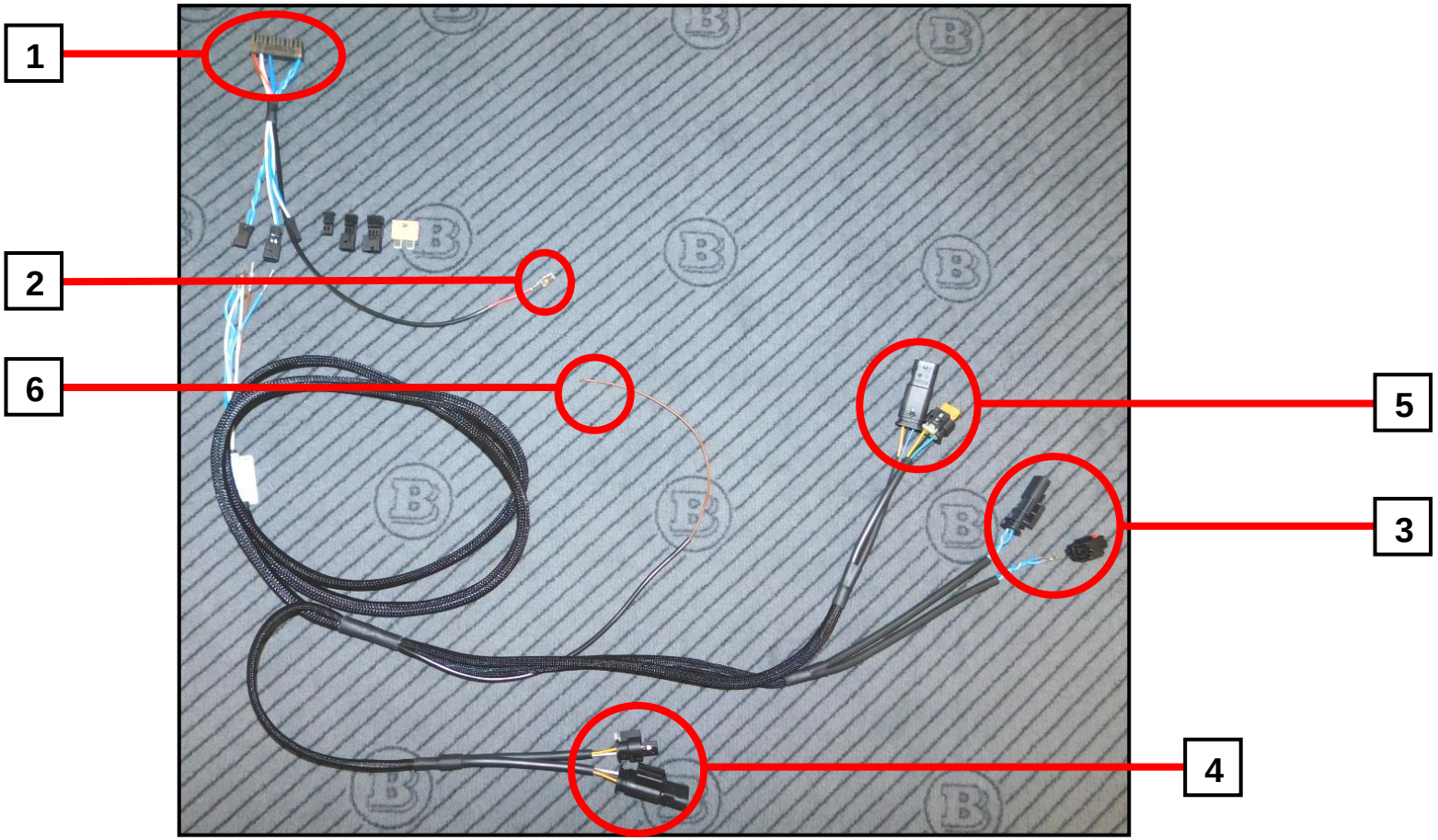
Disconnect the car main battery prior to installation.

Disassemble standard components according to Mercedes-Benz workshop instructions.

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Decsription of electrical connectors:

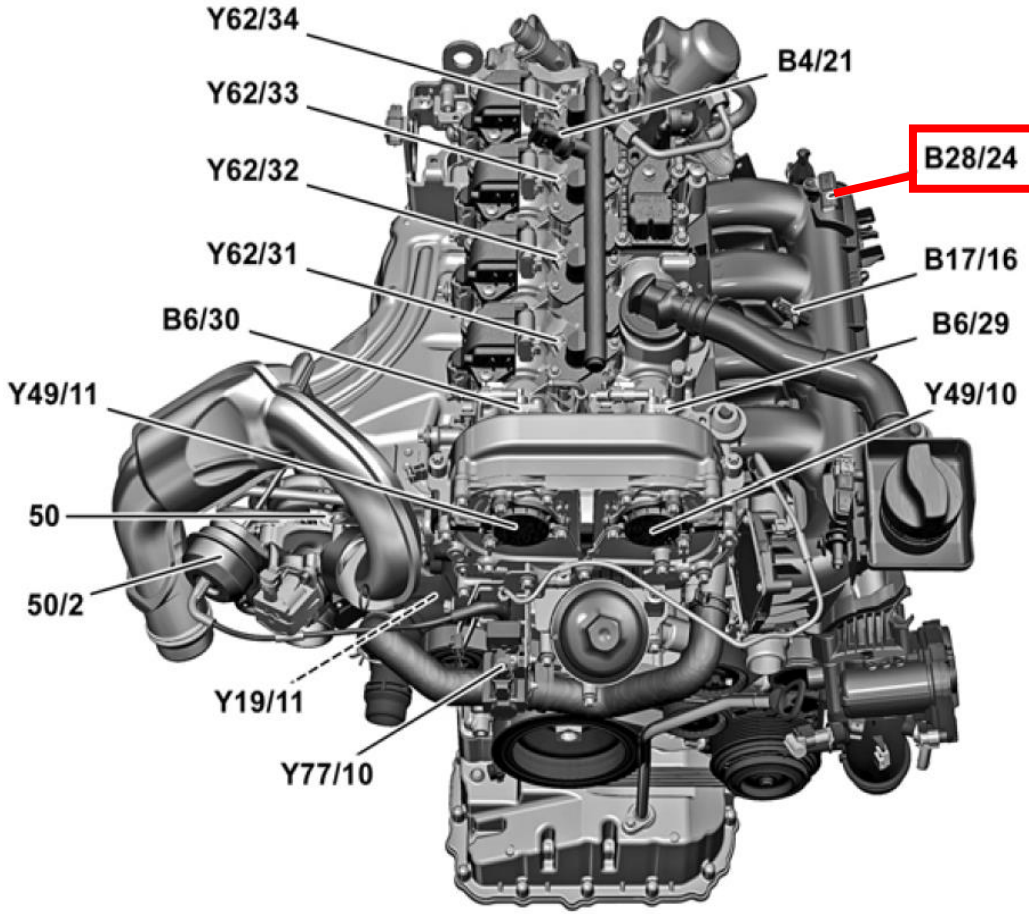
1- PowerXtra-main plug
2- Constant power supply – to fuse and relay box within engine bay (right side, driving direction).
3- CAN - connectors
4- Charge pressure sensor 5/13
5- Intake pressure sensor - connector B28/4
6- Ground connector - to ground wire terminal at engine control unit plug



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Routing of wiring harness:

- Disconnect the standard plug of the intake pressure sensor and connect it to the Brabus socket.
- Connect the Brabus plug to the intake pressure sensor.
- Route the wiring harness from the intake pressure sensor to the charge pressure sensor.



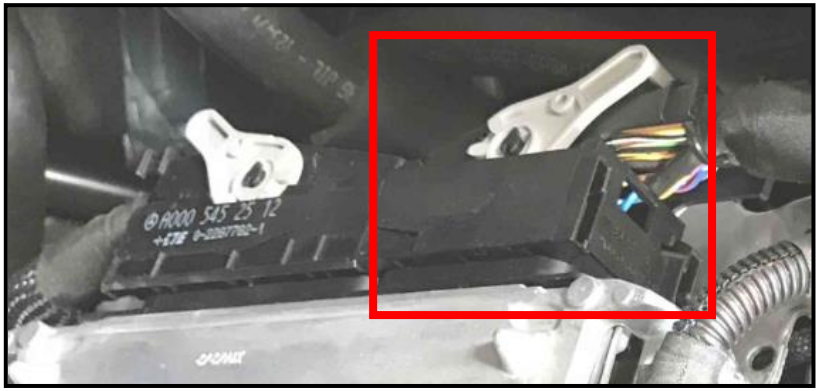


Intake pressure sensor

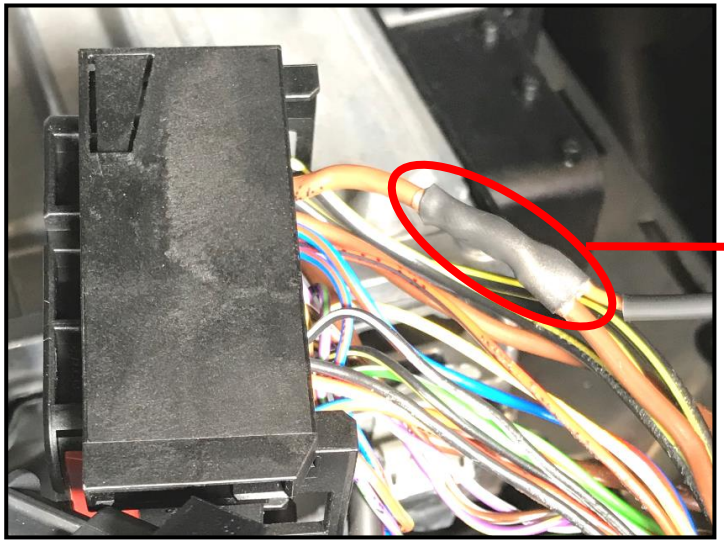
Fixate the Brabus engine bay harness to standard wirings using cable ties.

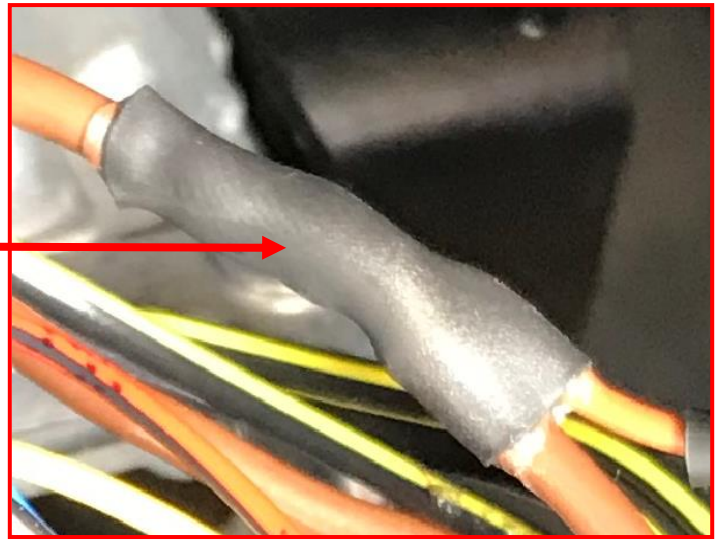
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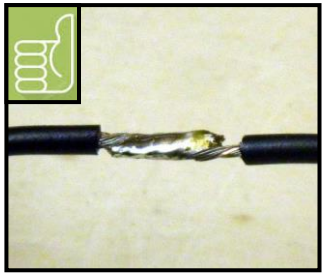
- Disconnect control unit plug F.

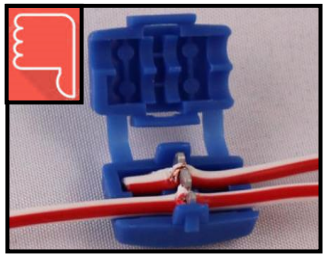


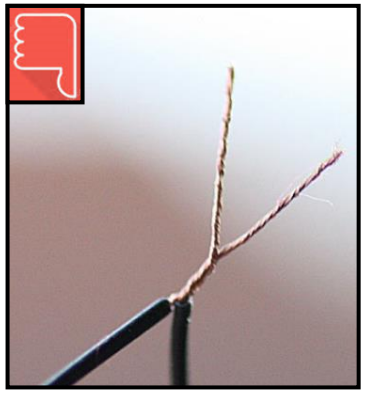
- Remove the back cover from control unit F. **Solder** the brown ground wire of the Brabus wiring harness parallel to the brown wire shown. Sufficiently isolate the soldered area. Do not yet re-assemble plug F.





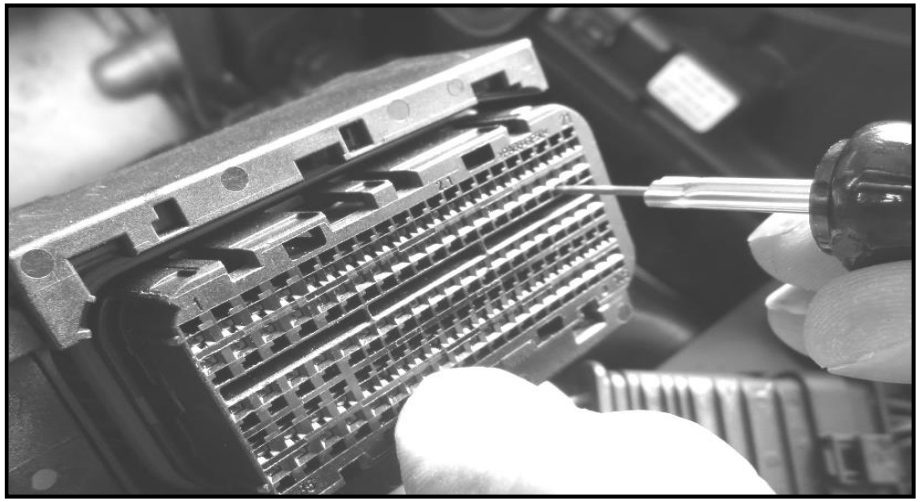


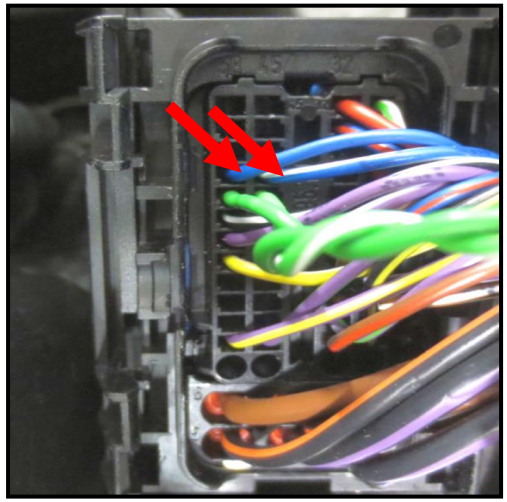




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- Disconnect plug „F“ of engine control unit, remove plastic cover, pull plastic lock out of the control unit plug. Carefully release and remove the contacts with the blue and blue-white wires (CAN high & low) using unlocking tool supplied.

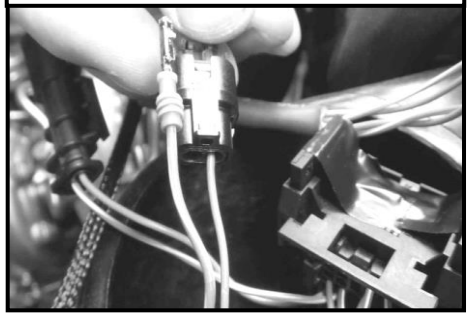


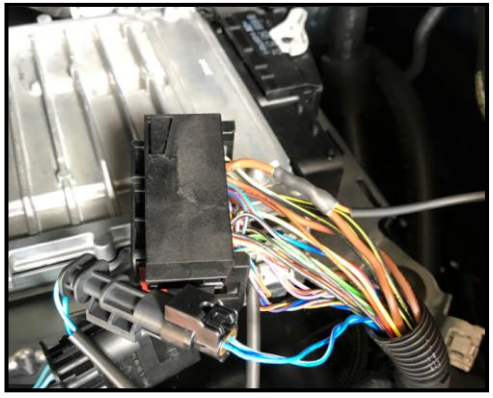


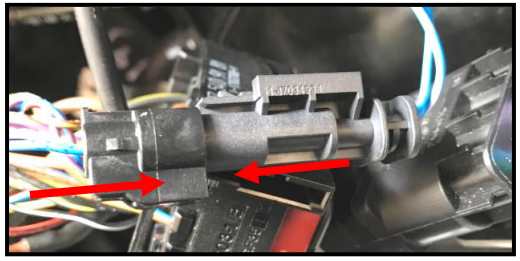
- Attach standard blue and blue/ white CAN – wires to 2 – pole plug supplied (color equal). Connect plug to PowerXtra – wiring harness Make sure for correct polarity! Attach blue and blue-white wires of PowerXtra – wiring harness to the free slots of engine control unit – plug.

CAN – High = Blue/ white
CAN – Low = Blue

Connect standard CAN wires to 2-pole plug housing

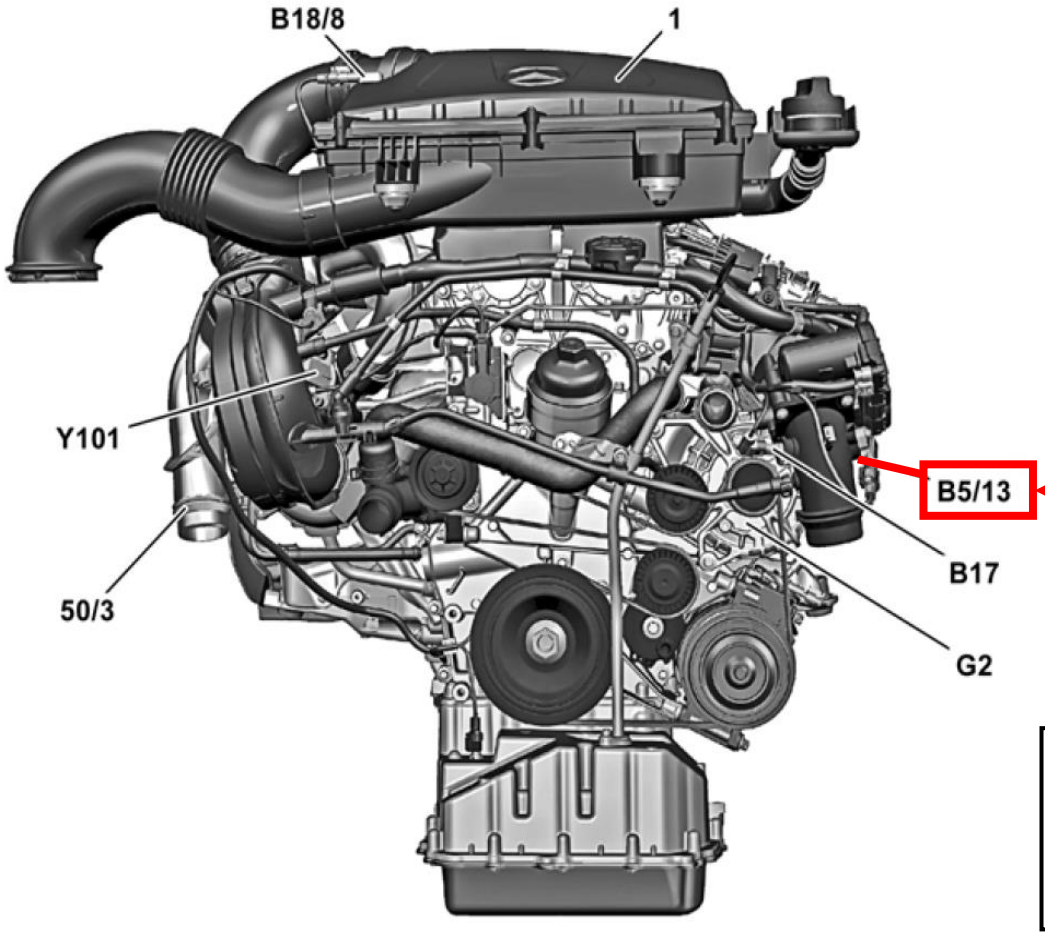


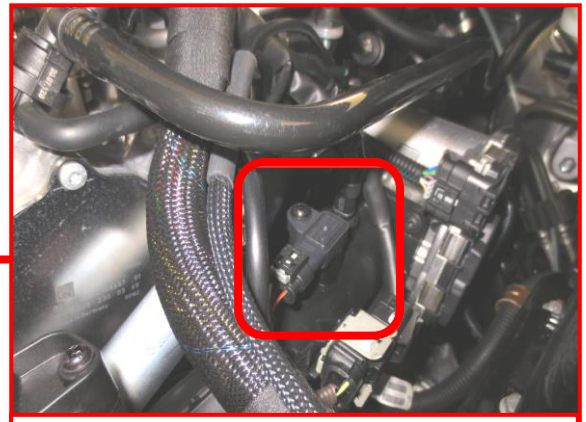




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- Disconnect the standard plug of the charge pressure sensor and connect it to the Brabus socket.
- Connect the Brabus plug to the charge pressure sensor.

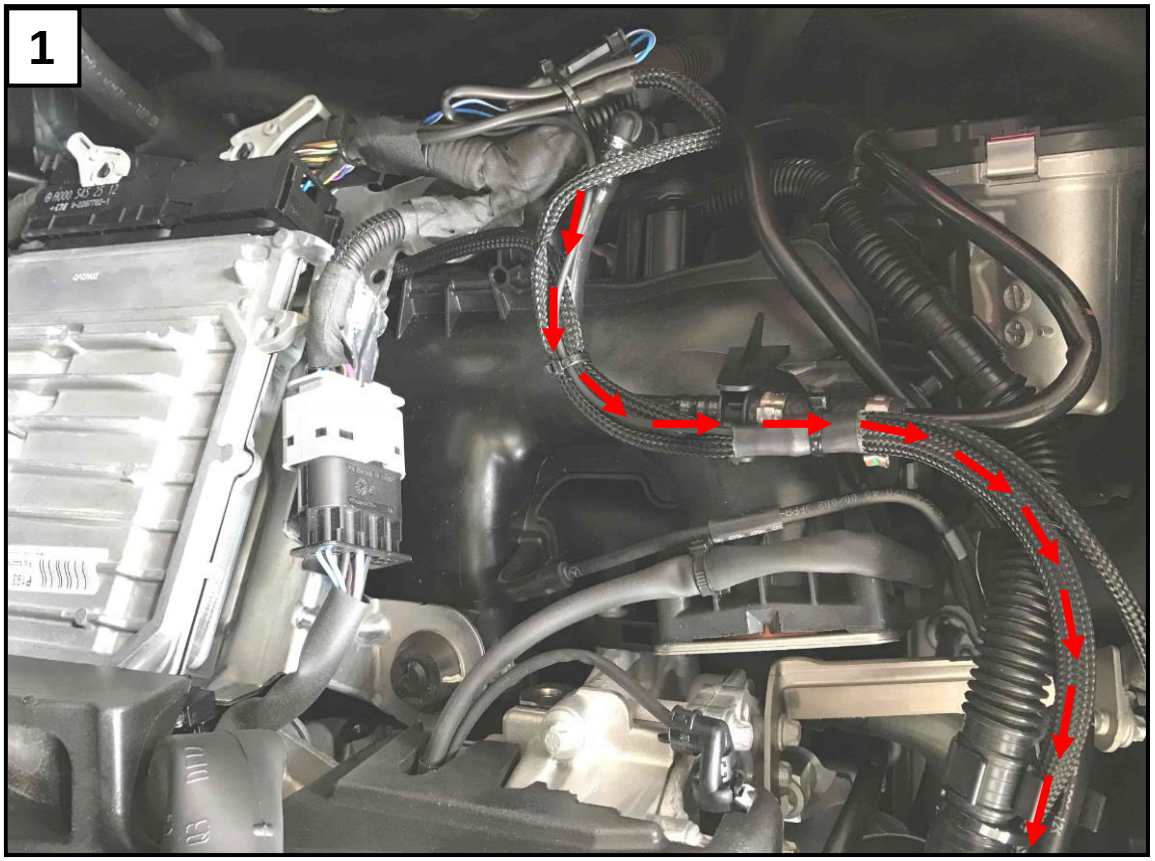


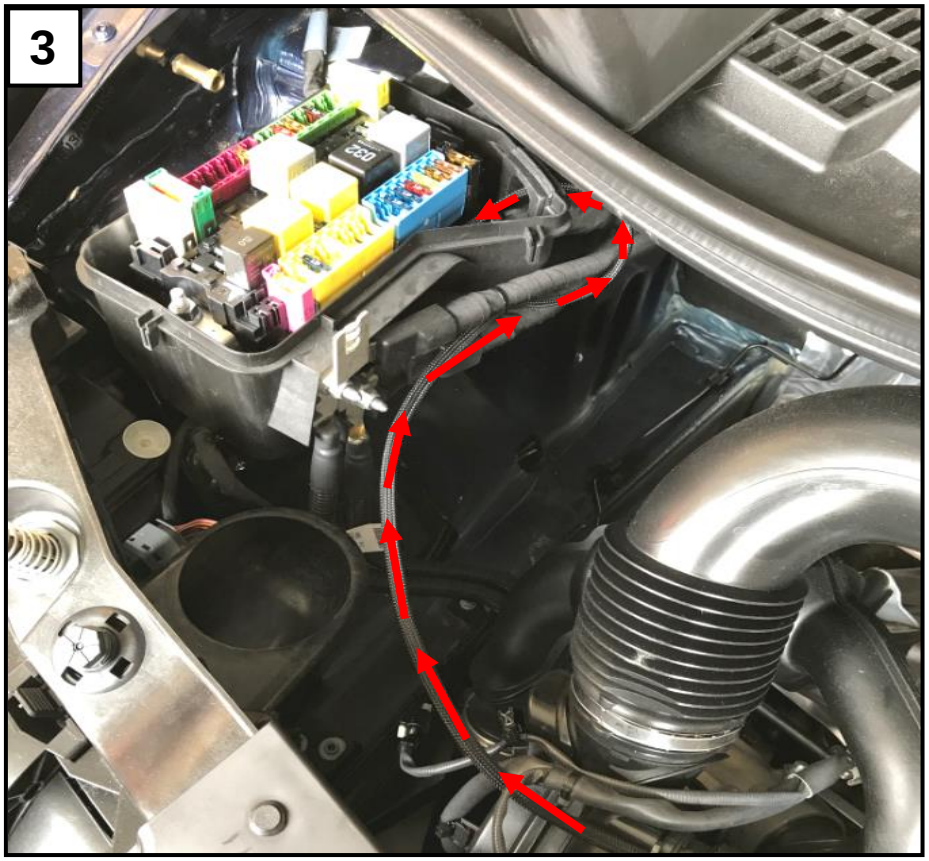


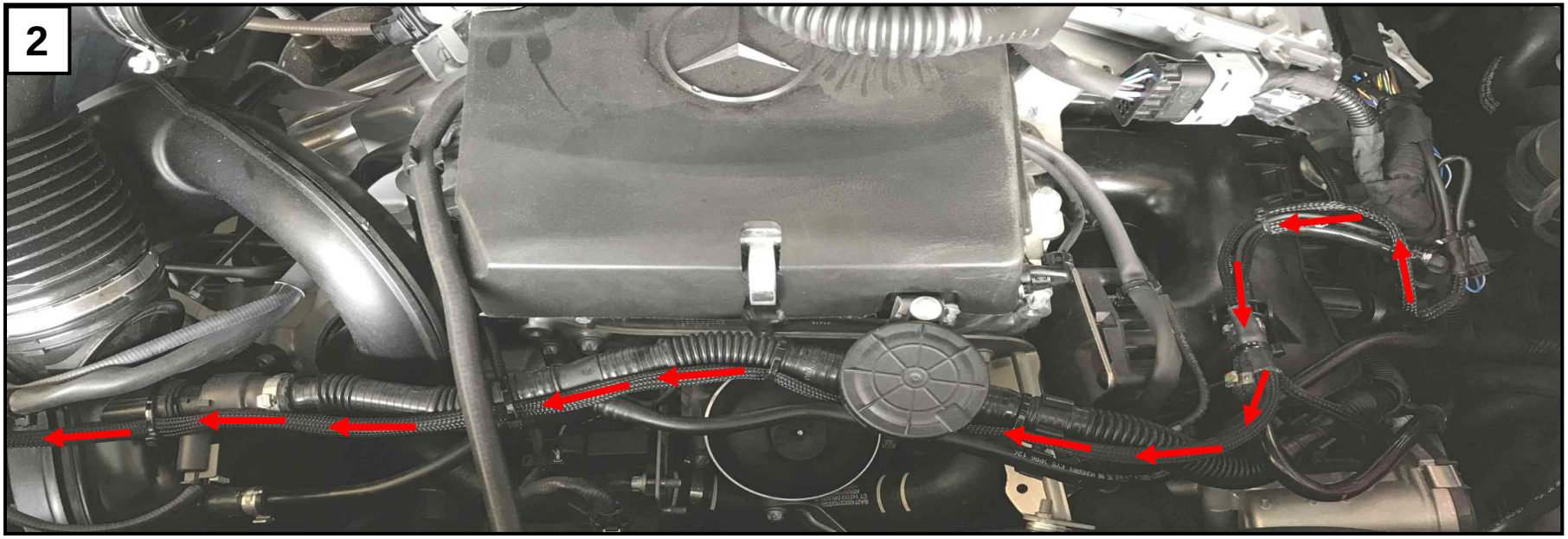
Charge pressure sensor

Fixate the Brabus engine bay harness to standard wirings using cable ties.

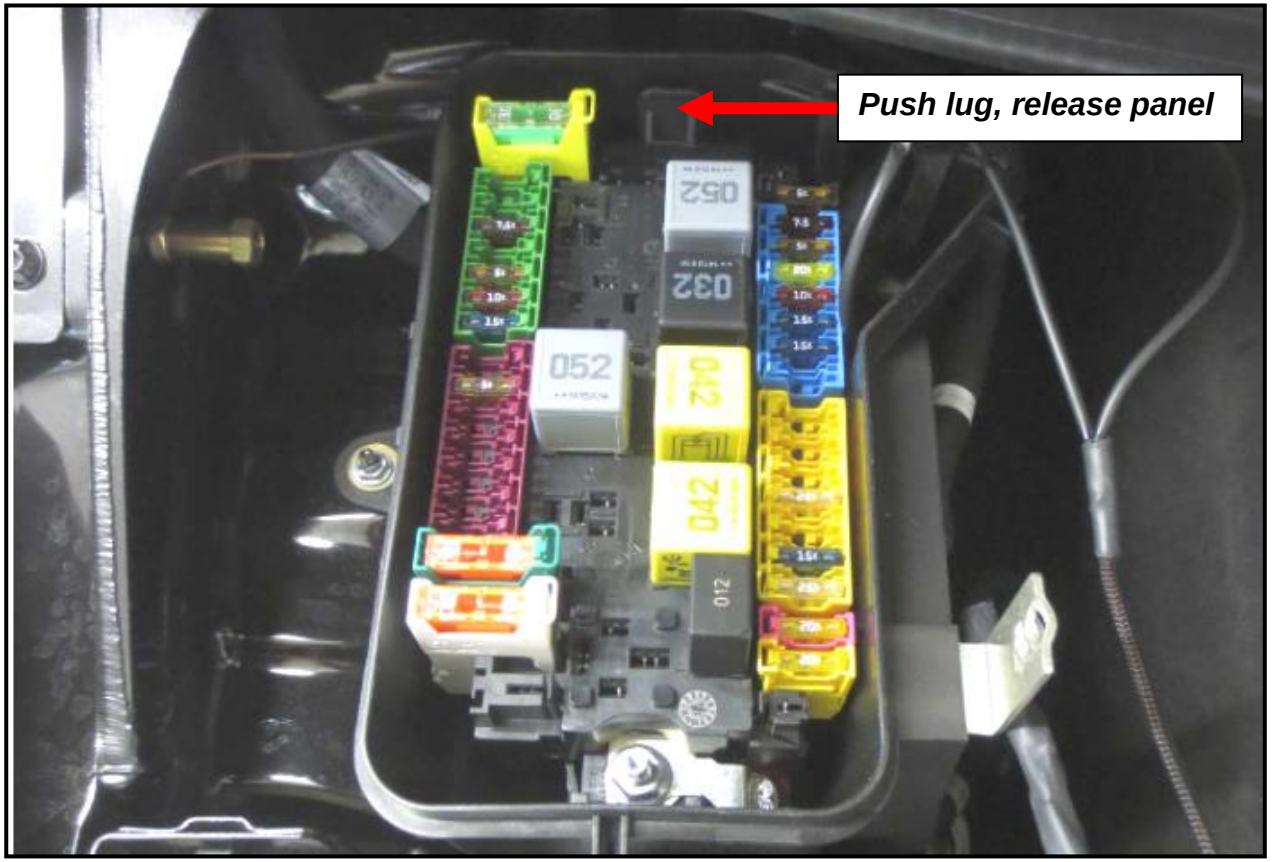
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- Release the fuse and relay panel and lift it up.



- Route the wiring harness into the fuse and relay box through the standard rubber grommet.

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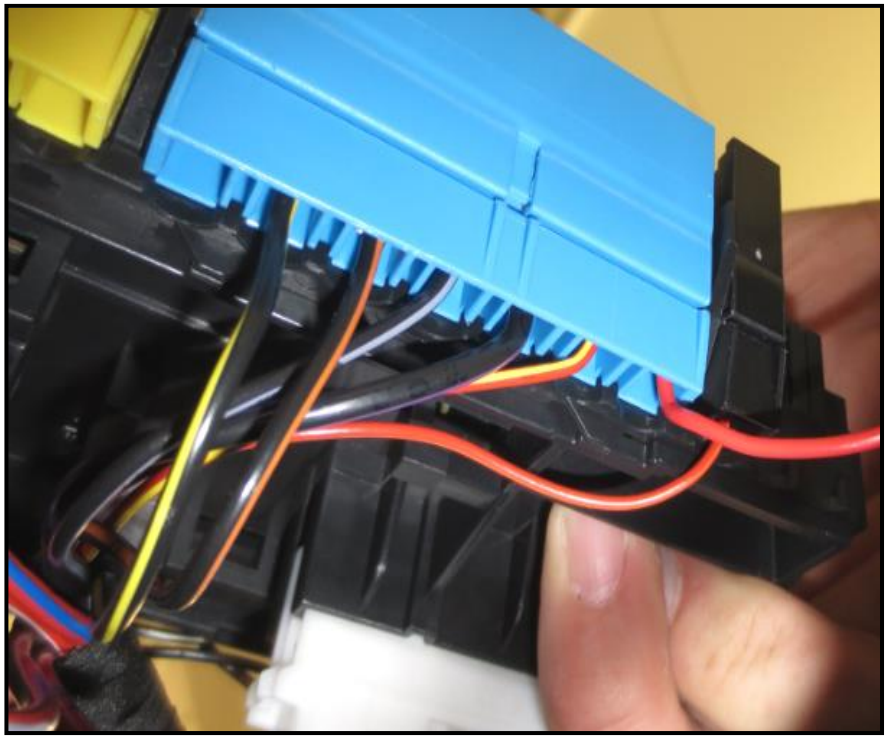
- Connect the engine bay harness to the main connection harness using plugs supplied (color equal).



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Attach the power supply contact to port shown (constant power supply) and attach the fuse supplied (5 Amps) to it.

Bolt the ground ring lug of the PowerXtra – wiring harness to the ground terminal shown (next to fuse and relay – box).





Finally check the PowerXtra – wiring harness has been securely routed and cannot be damaged due to tensile stress, heat or sharp edges.

Connect the ground wire to the car main battery. Check and clear the fault – store, re – attach all trim and cover parts.

The PowerXtra – performance kit is ready to run after installation and does not need to be activated in any way.

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