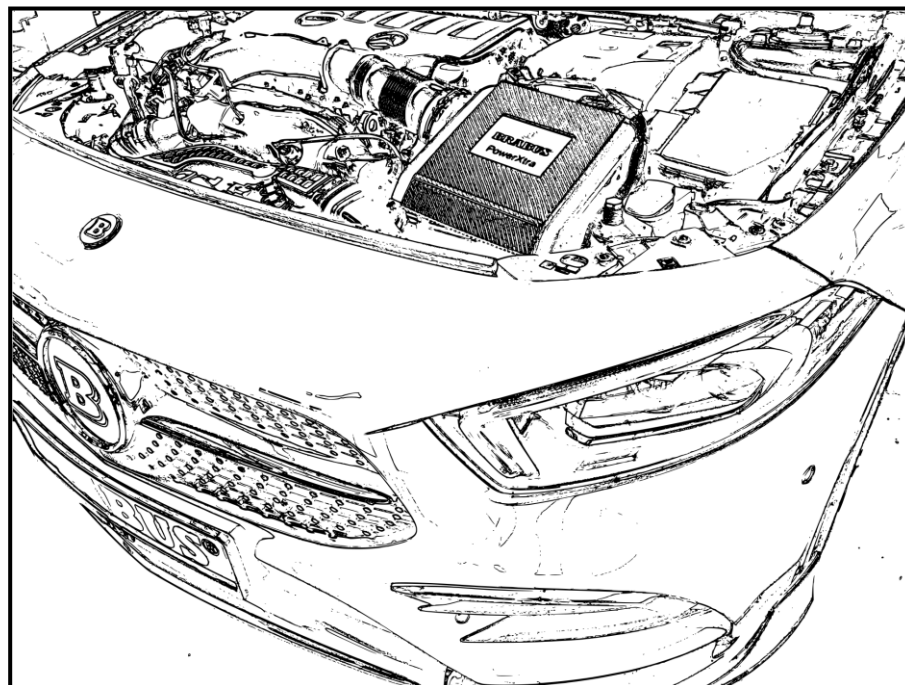


B35 performance-kit for W177, A-35AMG
Article-no.: 177-B35-350-00



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.
Check the content of the supplied parts as detailed below prior to assembly.

Included in delivery:

1x PowerXtra control unit	UBS150
1x PowerXtra wiring loom incl. unlocking tool (2 pcs)	177-B25-05-K
1x „Brabus“-lettering	211-000-14
1x Set of letterings „powered by“	000-000-30
1x Carbon fiber design cover	177-600-20
1x BRABUS PowerXtra-bezel	177-600-21
1x Felt stripe	A0009838910
1x Adhesive kit	B28/000-8

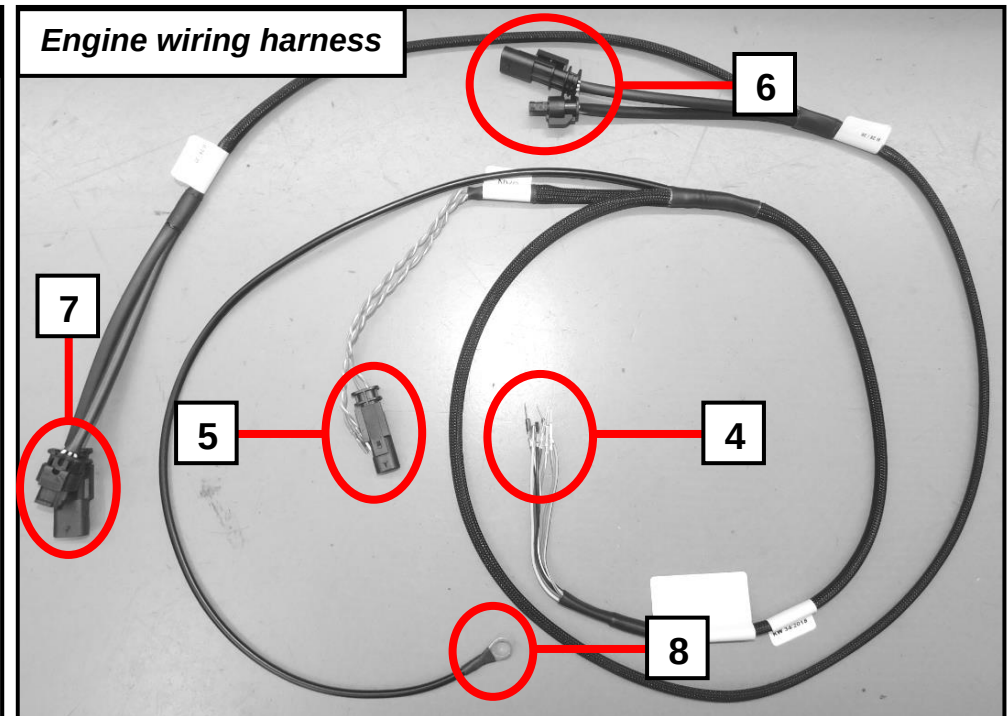
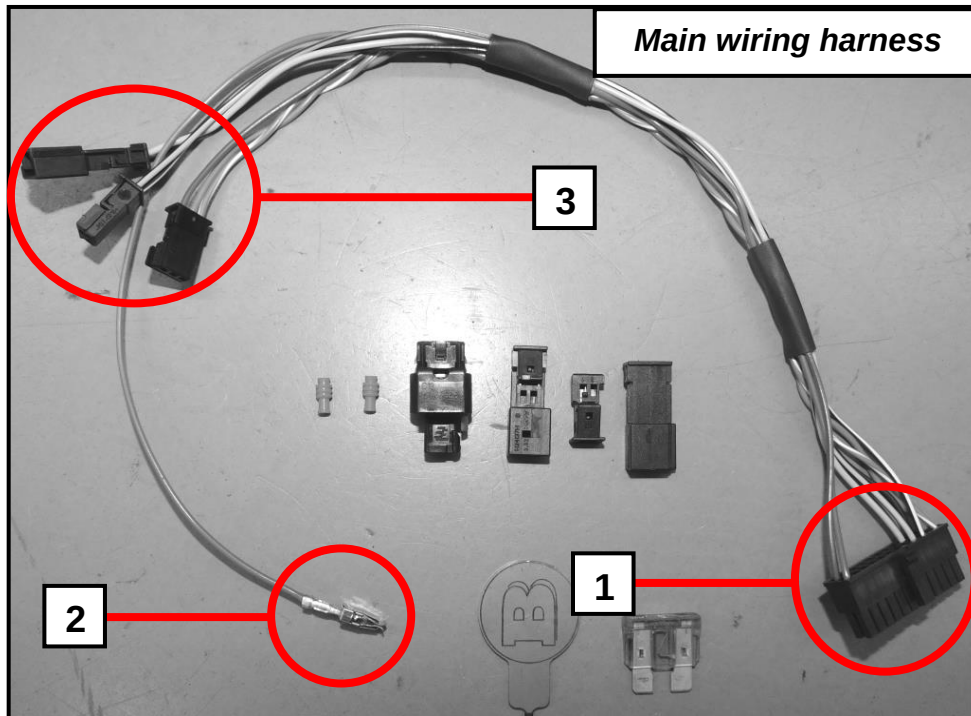
Remove the engine plastic cover and the air filter housing, disassemble the vehicle battery according to Mercedes-Benz workshop instructions. Open the engine bay fuse and relay box.



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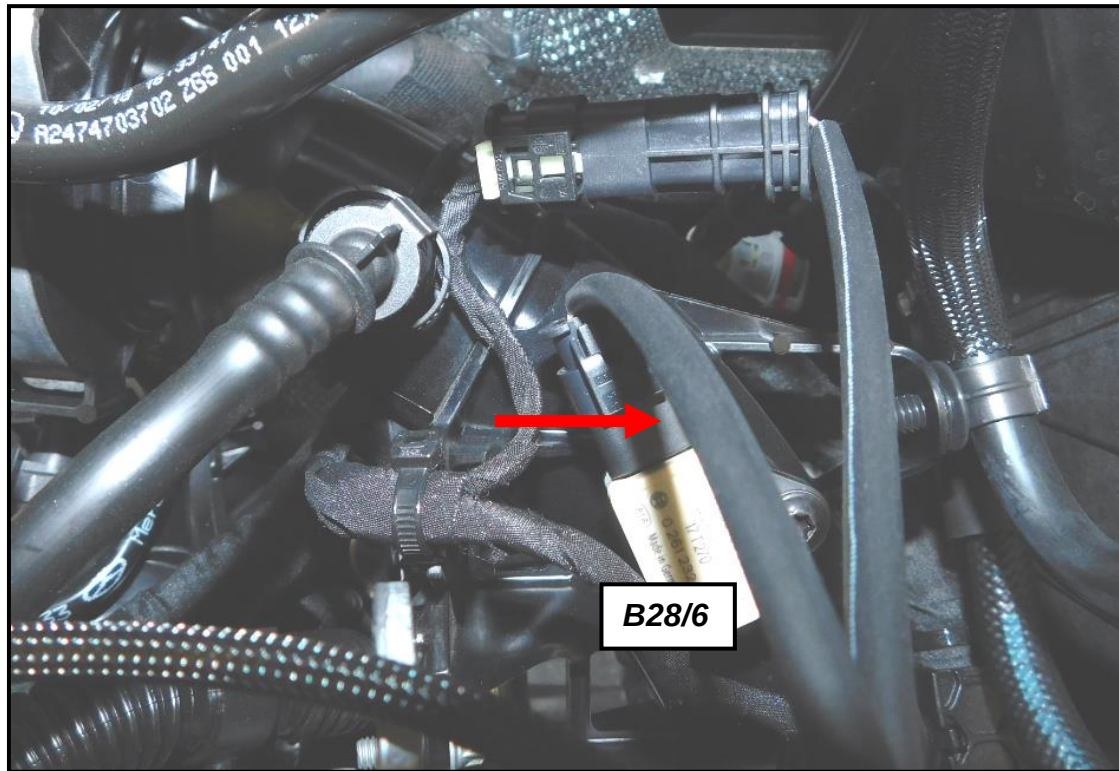
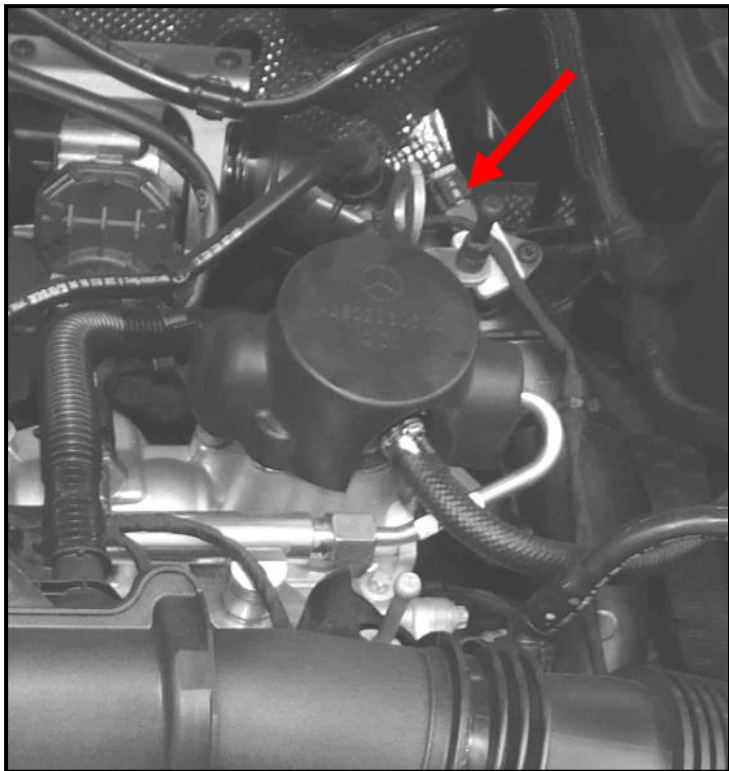
Description of electrical connectors:

- 1- PowerXtra-main plug
- 2- Constant power supply – to fuse and relay box within engine bay (left side, driving direction)
- 3- Connectors to engine wiring harness
- 4- Connectors to main wiring harness
- 5- CAN connectors
- 6- Pressure sensor adapters for sensor B28/6 (pressure sensor in front of throttle valve)
- 7- Pressure sensor adapters for sensor B28/7 (pressure sensor behind throttle valve)
- 8- Ground ring lug

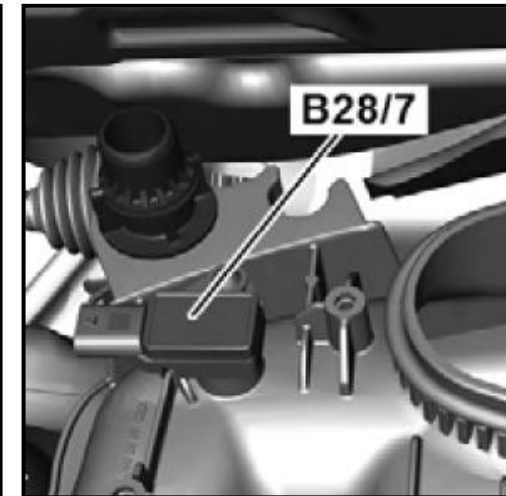
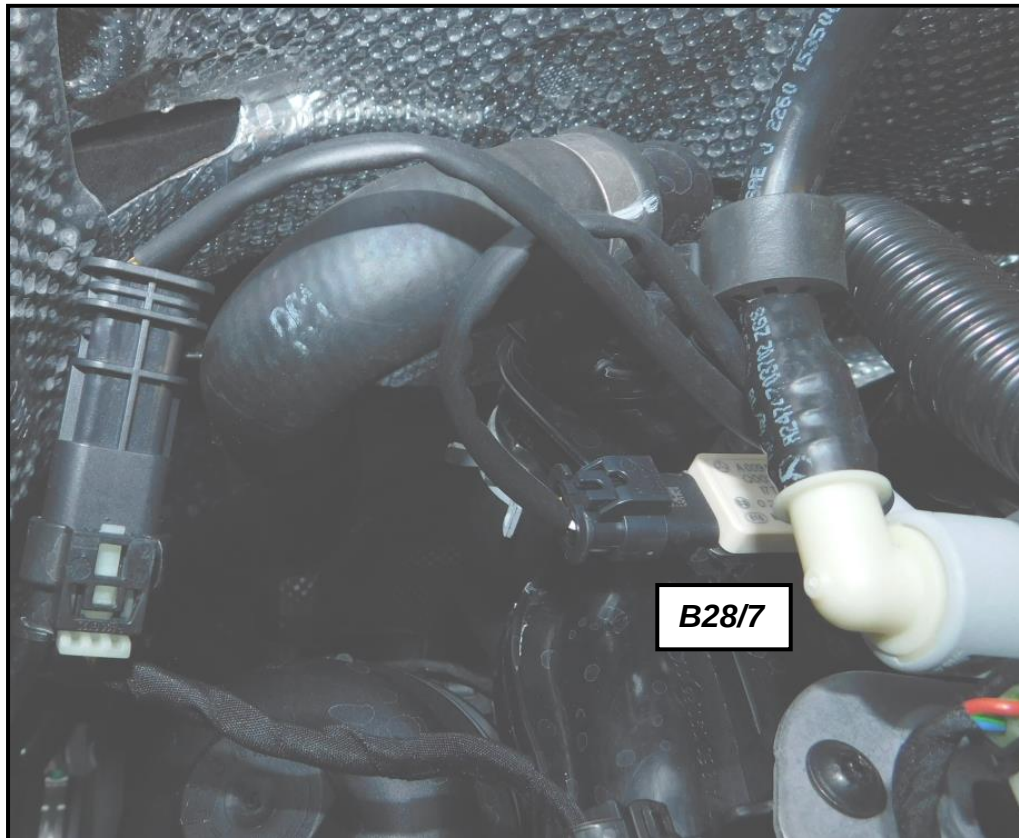


Routing of wiring harness:

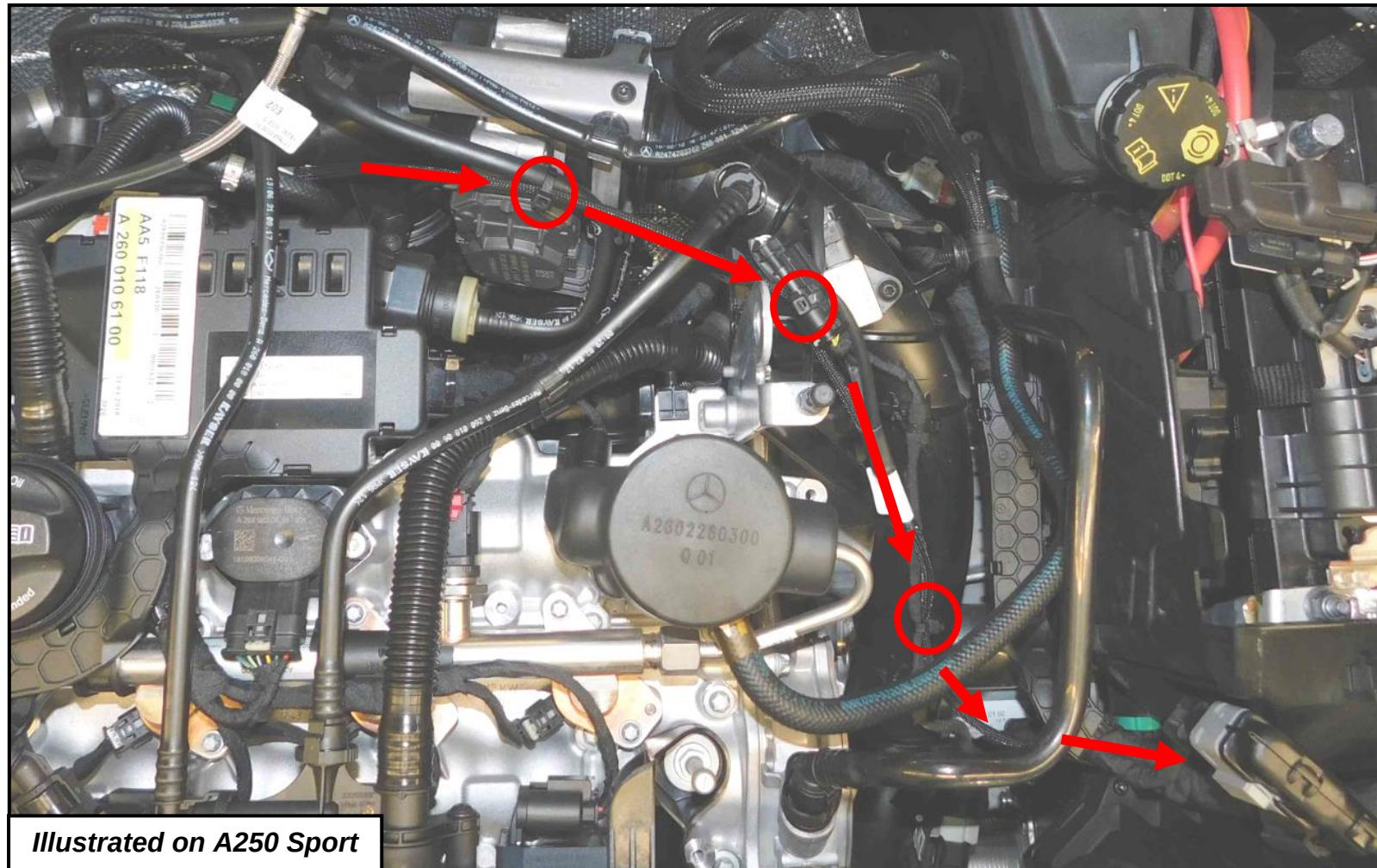
- Disconnect the standard plug of the pressure sensor in front of throttle valve (B28/6).
- Connect the Brabus plug to the pressure sensor in front of throttle valve (B28/6).
- Connect the standard pressure sensor plug to the Brabus wiring harness.



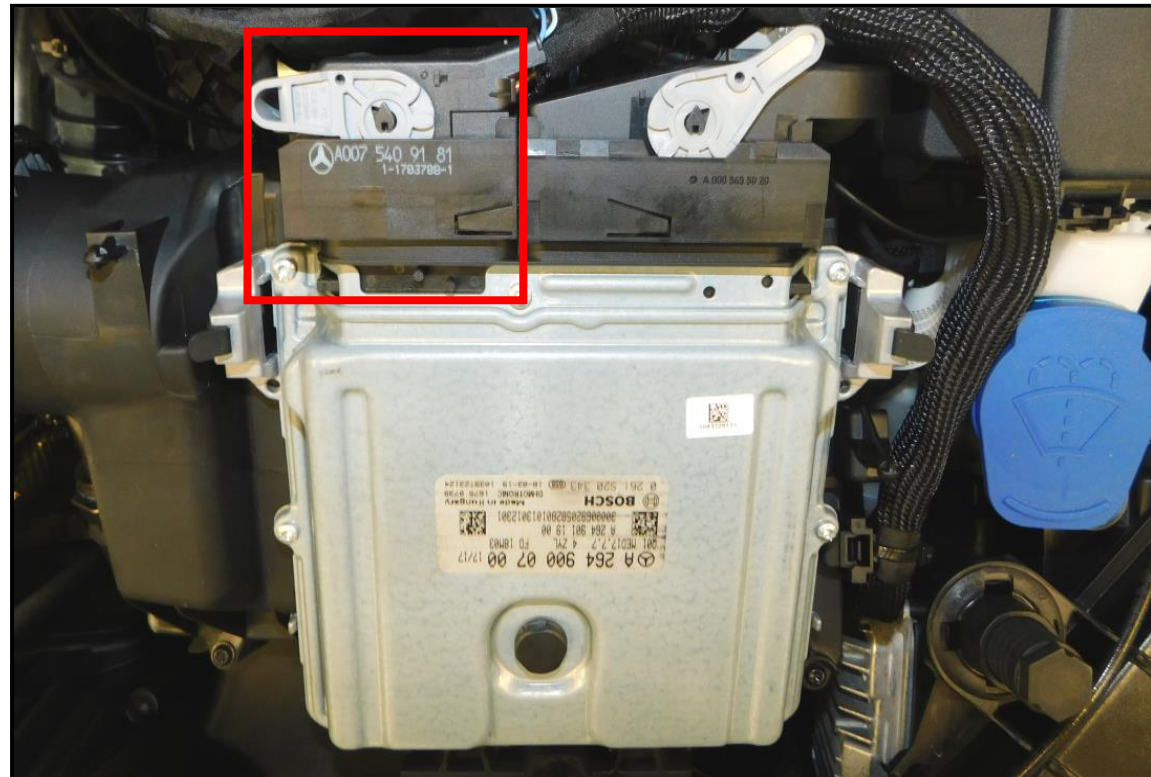
- Route the connectors for the pressure sensor behind throttle valve (B28/7) to the pressure sensor behind throttle valve.
- Disconnect the standard plug of the pressure sensor behind throttle valve (B28/7).
- Connect the Brabus plug to the pressure sensor behind throttle valve (B28/7).
- Connect the standard pressure sensor plug to the Brabus wiring harness.



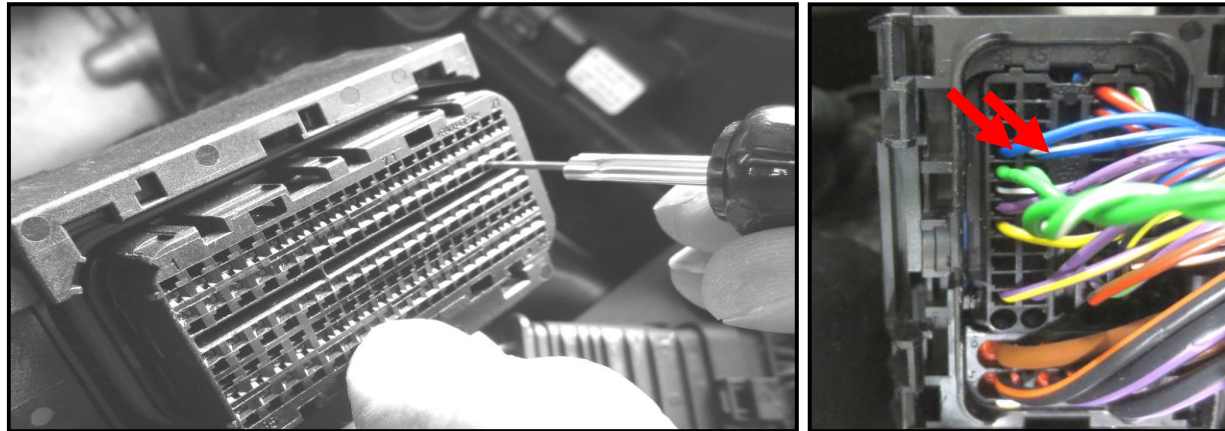
- Route the engine bay wiring harness to control unit ME (according to red arrows). Fixate the wiring harness to the standard engine wiring harness using cable ties.



- Disconnect plug “F” of control unit ME.
- Remove the back cover from control unit plug “F”. Remove the plastic lock of the contacts.

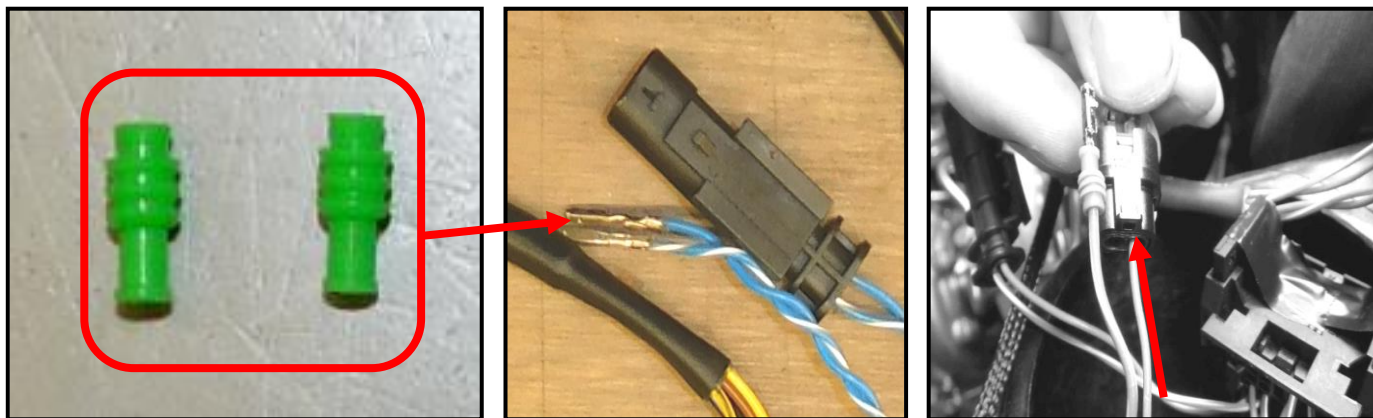


- Carefully release and remove the contacts with the blue and blue-white wires (CAN high & low, slots 53 & 40) using unlocking tool supplied.



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- Attach standard blue and blue/ white CAN – wires to 2 – pole plug supplied (color equal) under usage of the wire sealings supplied. Connect the plug to the CAN-socket of the wiring harness.



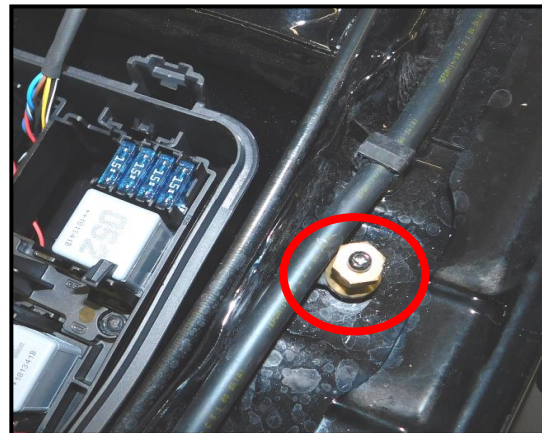
- Attach blue and blue-white wires of PowerXtra – wiring harness to the free slots of engine control unit – plug. Attach the plastic lock to the plug, re-assemble the plug. Attach the plug to the engine control

CAN – High	= Blue/ white, slot 40
CAN – Low	= Blue, slot 53

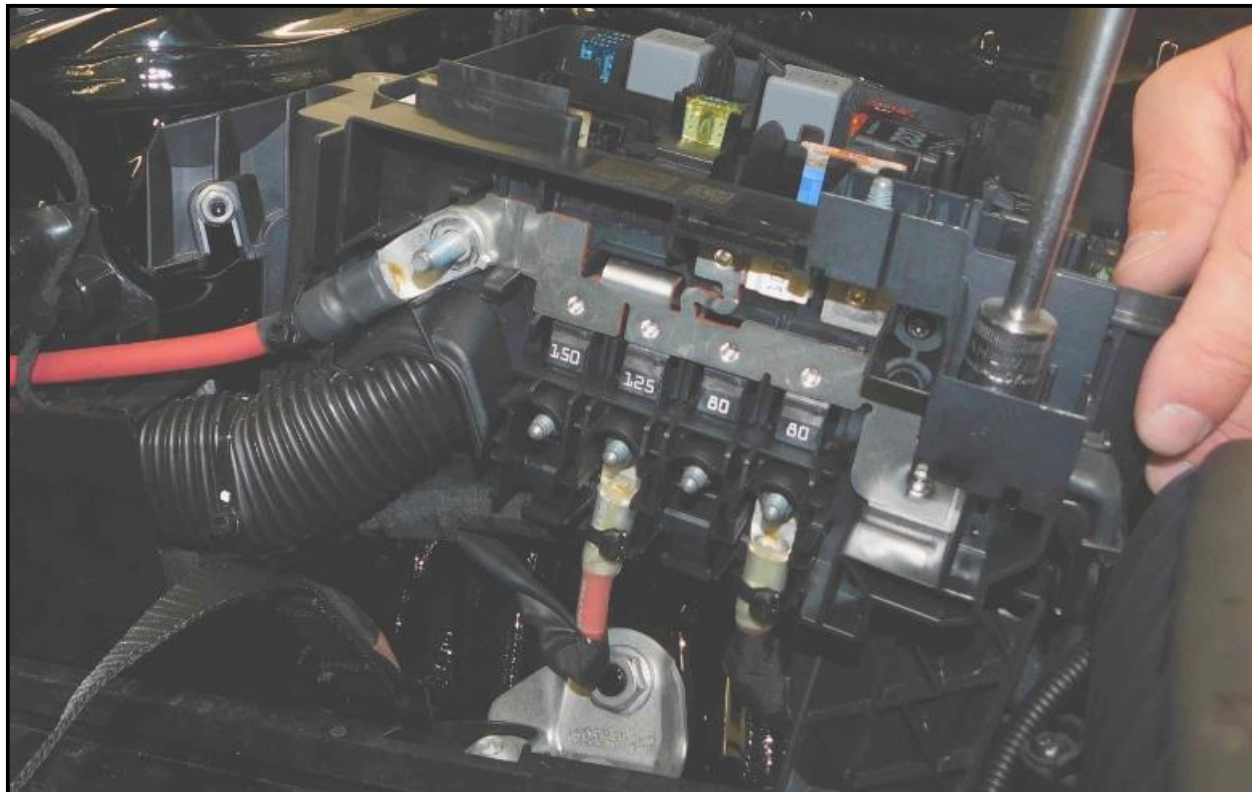


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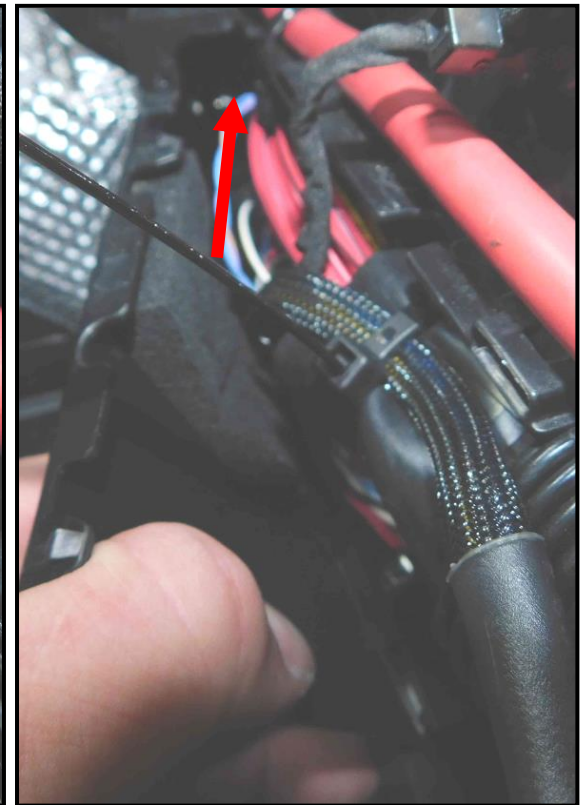
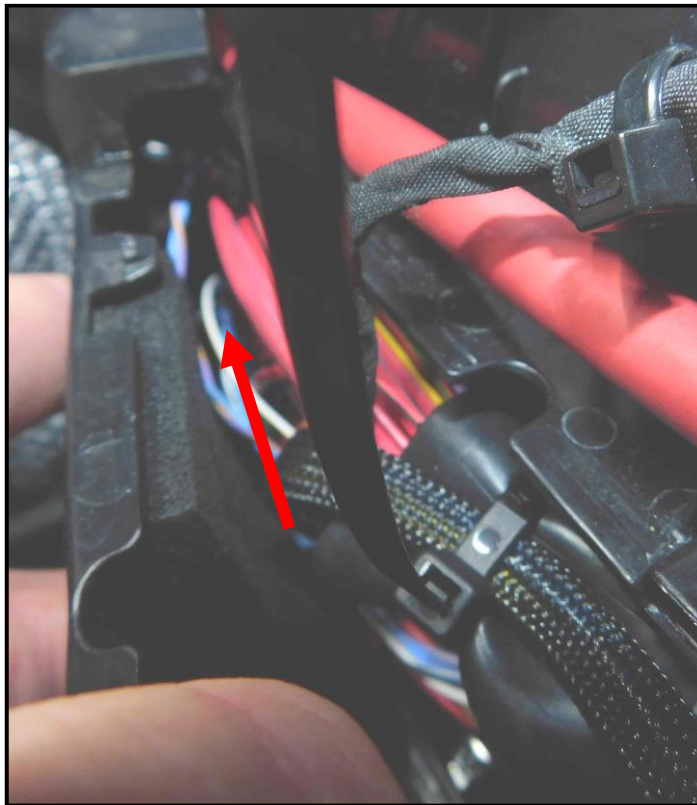
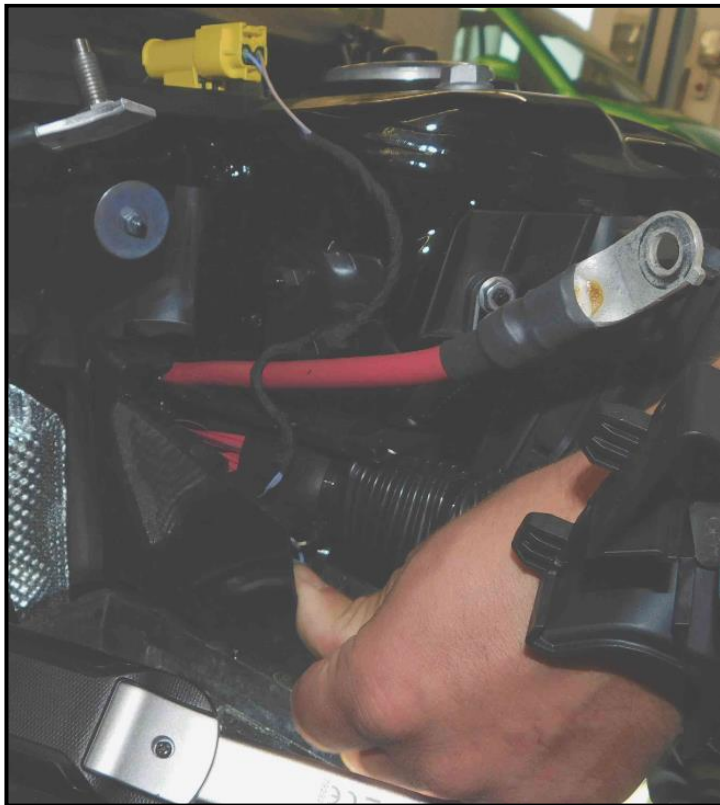
- Bolt the ground ring lug to the ground terminal left within the engine bay (driving direction right side).



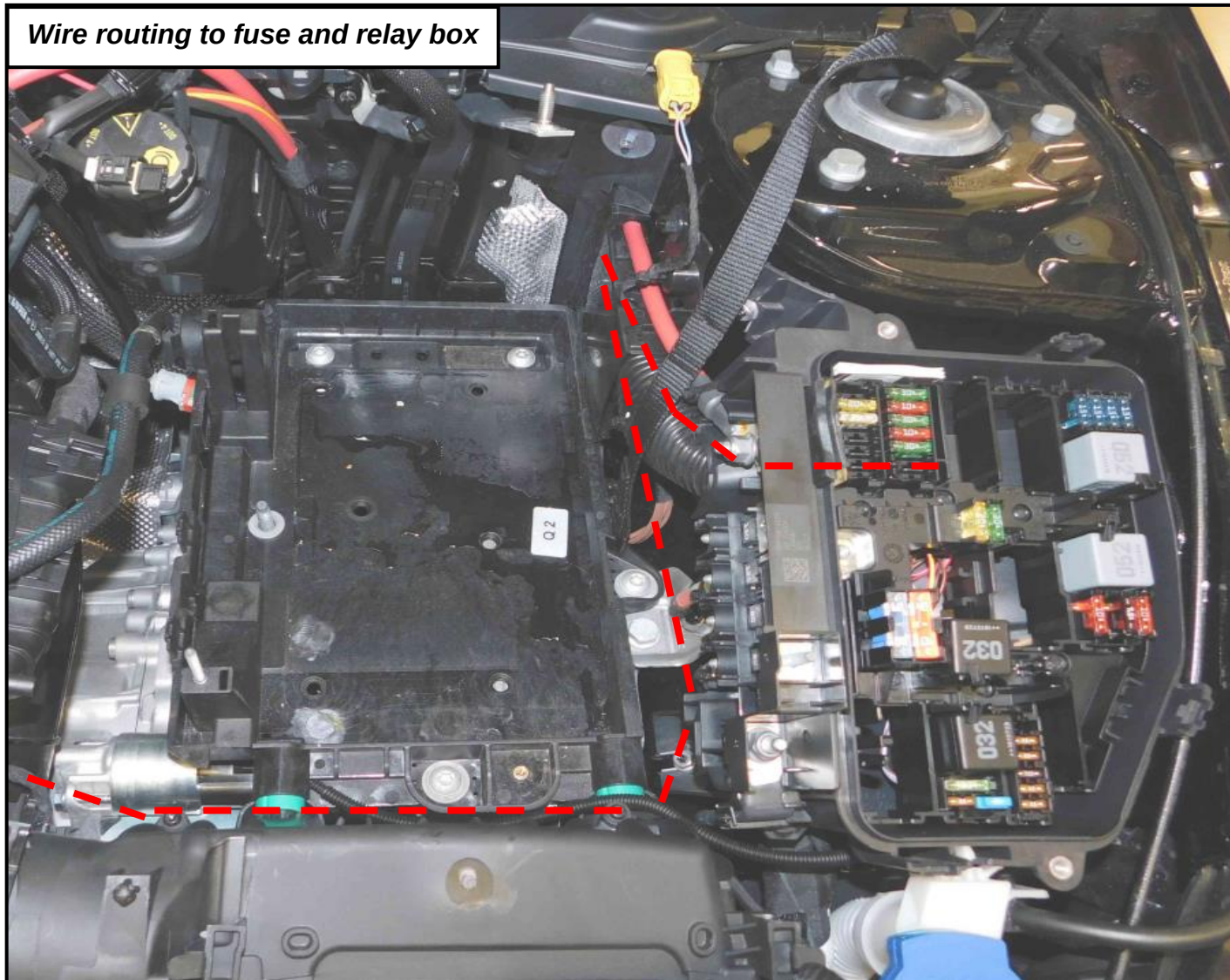
- Loosen the power distributor shown according to Mercedes-Benz workshop instructions and put it aside to gain access to the plastic cable duct below.



- Open the plastic cable duct (remove cable tie).
- Route the Brabus wiring harness through the cable duct and through the rubber grommet into the fuse and relay box. Measure the wire length required within the fuse and relay box and fixate the wiring harness to the standard wiring harness using cable ties.

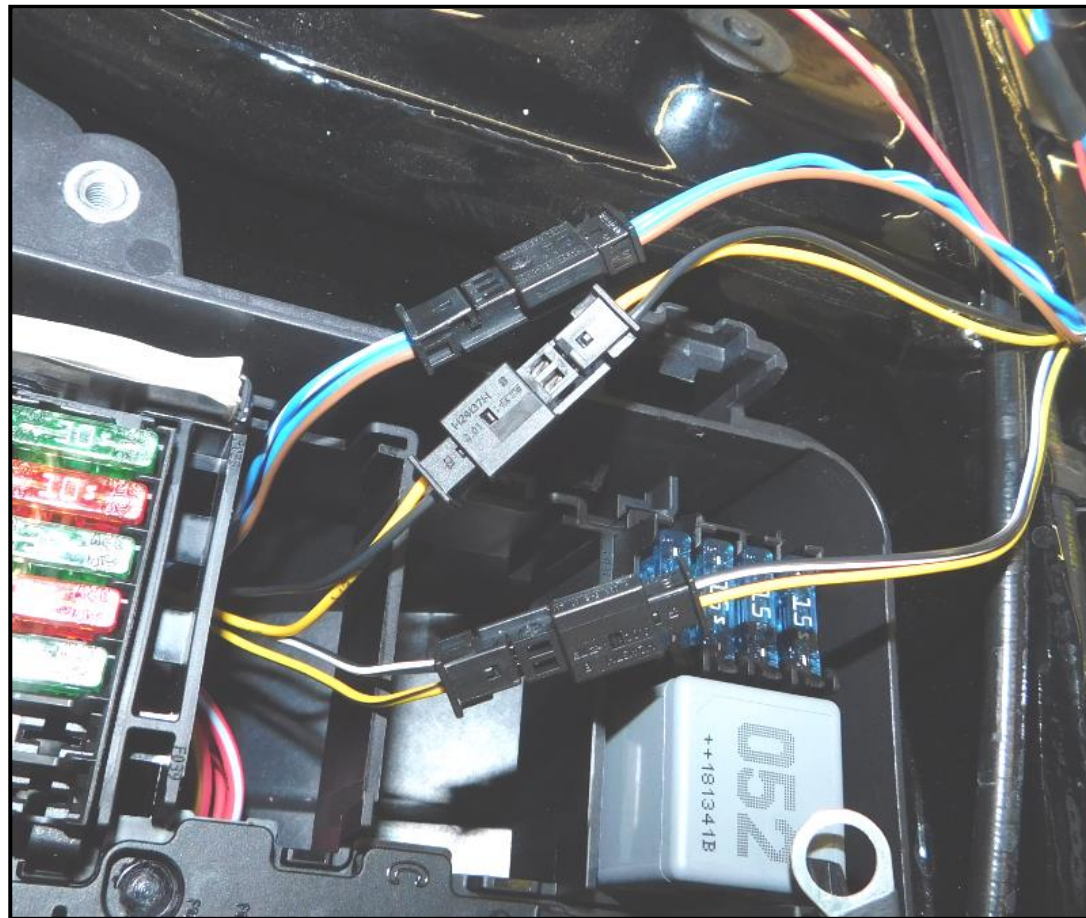


Wire routing to fuse and relay box

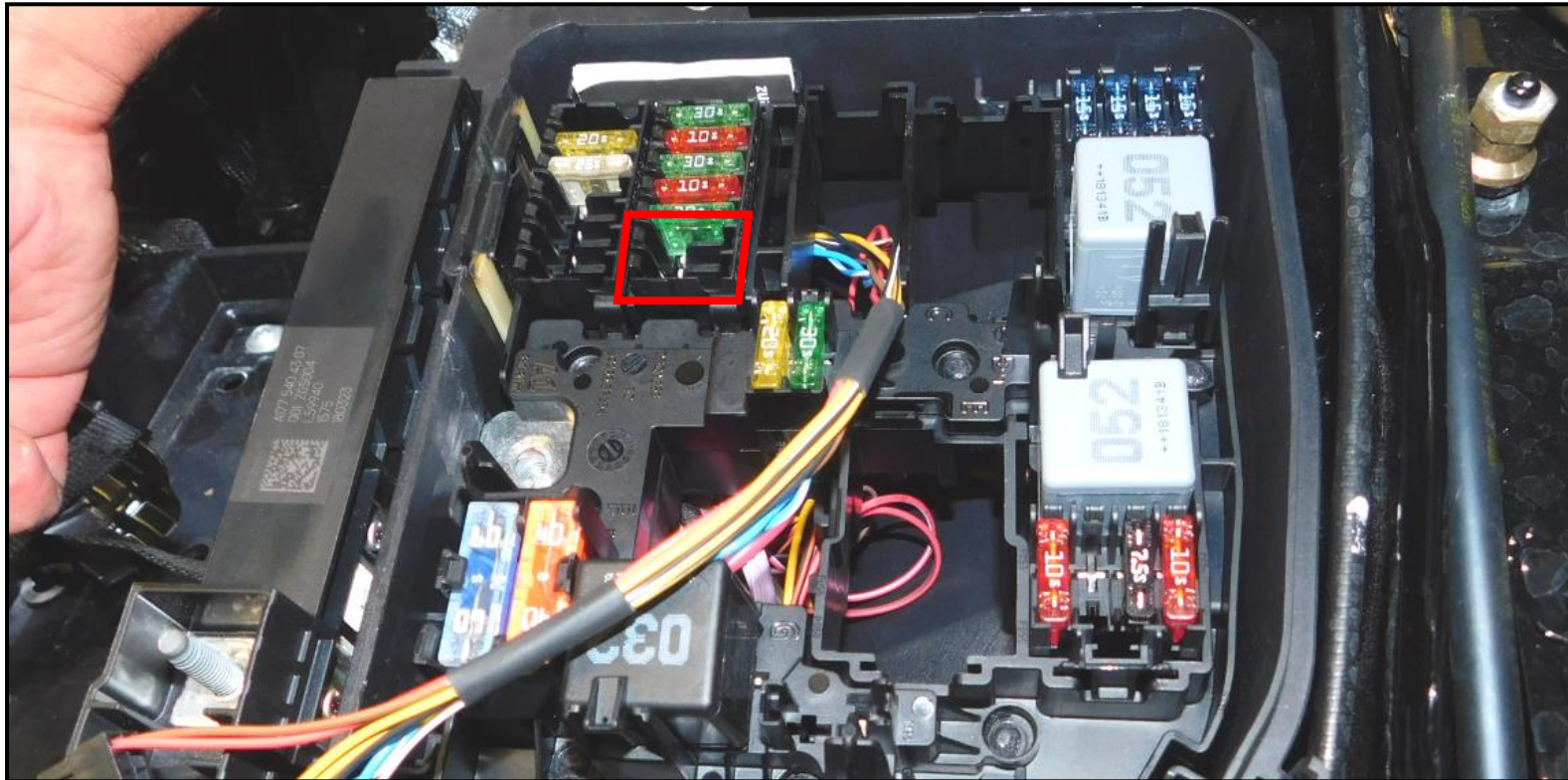


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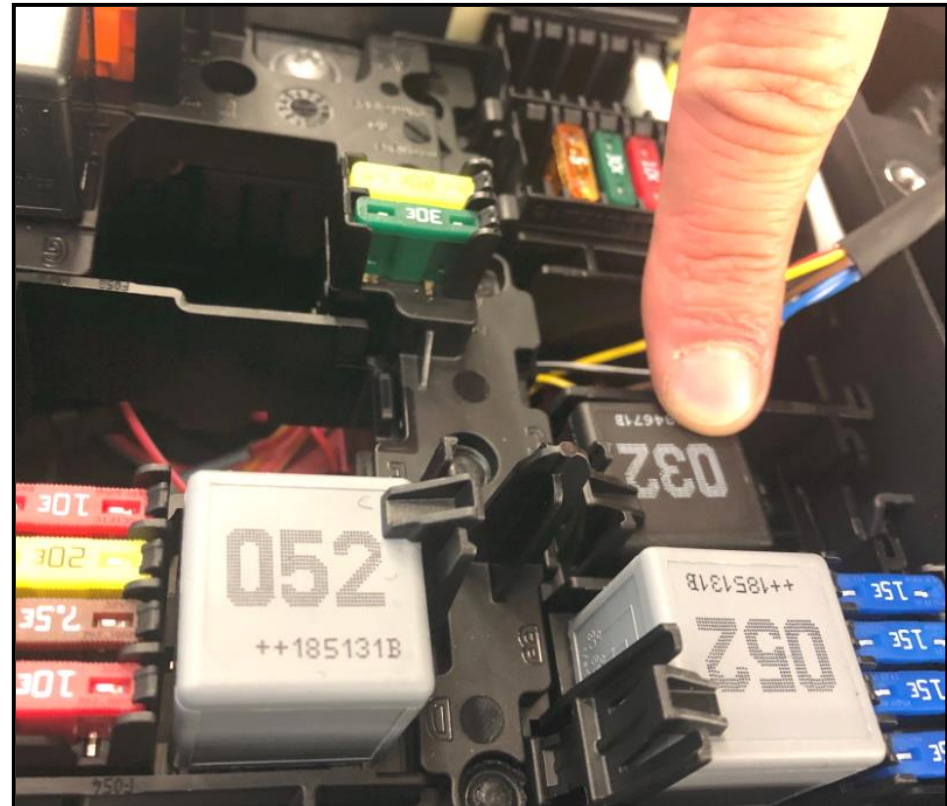
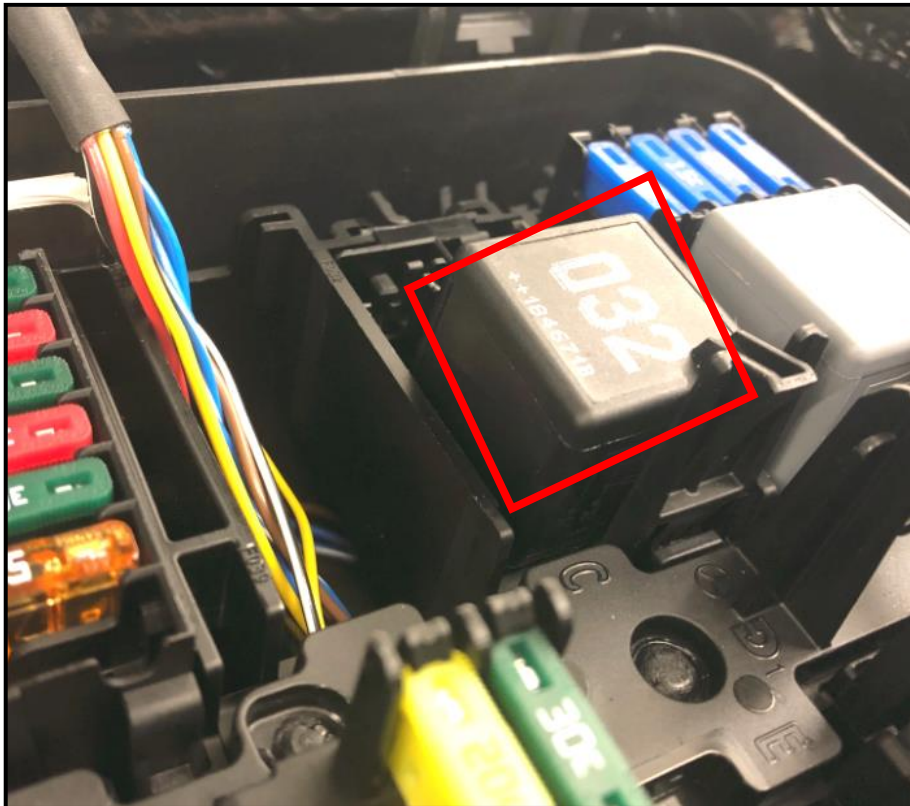
- Attach the wires of the Brabus harness to plugs/ sockets supplied (color equal to opposite side on main wiring harness), make sure the wire contacts are sufficiently latched to the plugs/ sockets. Connect the engine wiring harness to the main wiring harness.



- Lift the fuse and relay panel and attach the power supply contact from below to one of the fuse ports marked red.
- The PowerXtra-unit is powered by constant power supply (30). Do not connect to terminal 15 or 30G!



- Attach the 5 Amp fuse supplied to the fuse port.
- Loosen relay shown below and push it down into the fuse and relay box.



- Bond the PowerXtra control unit to the inner section of the fuse and relay box cover using Velcro tape supplied. Degrease the bonding area using acetone. Connect the Brabus main wiring harness to the PowerXtra control unit. Close the fuse and relay box.

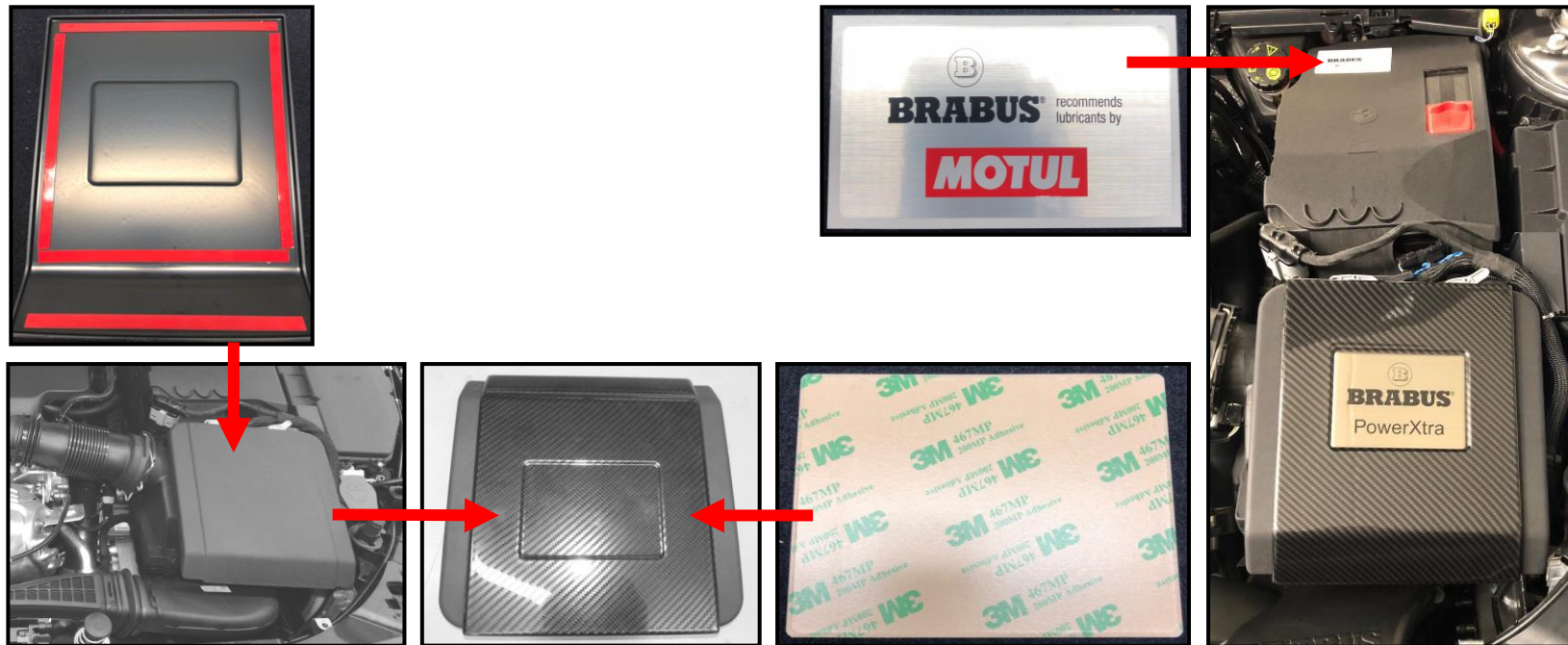
Important: In order to avoid electrical shorts the control unit body after being bonded must be completely covered by using adhesive felt stripe supplied according to image below!

- Close the fuse and relay box.



- Re-assemble all dismantled components with regard to Mercedes-Benz workshop instructions, make sure for proper wire harness routing and that the wire harness cannot not be damaged by heat, sharp edges or kinks.
- Remove the liners of the 3M tapes and bond the carbon fiber style cover and the stainless steel plate.
- Bond the carbon fiber style cover to the engine control unit cover, bond the stainless steel plate to the carbon fiber cover. Firmly press the parts on. Stick the "Motul" label to the battery cover.

Carefully degrease the bonding areas by using acetone prior to bonding.



Check and clear the vehicle fault - store, perform a test - drive.

BRABUS PowerXtra is ready to run after installation, no activation required.