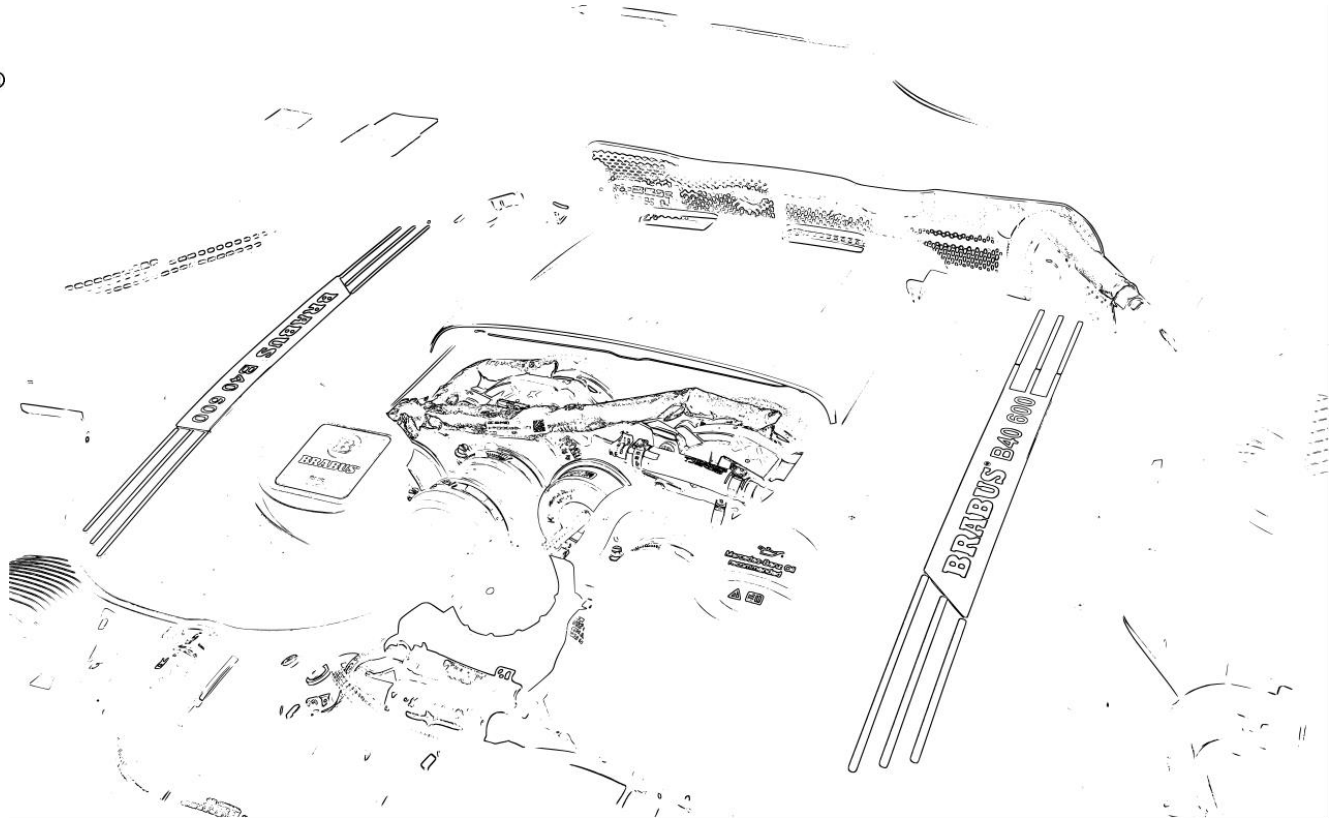
Performance kit B40-500 for type W 463– G500

BRABUS®



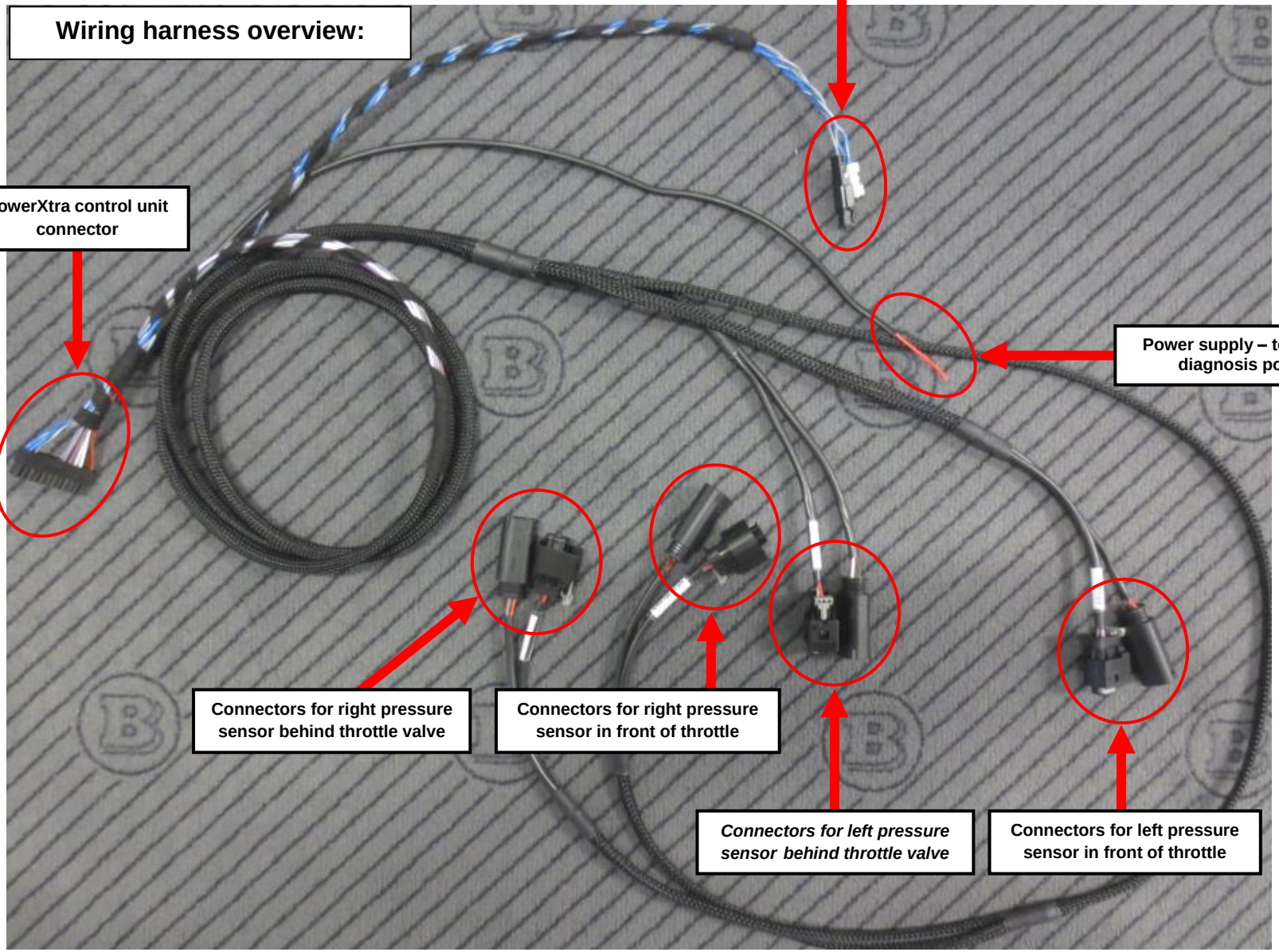
The product described in the instructions was developed, produced and checked considering the necessary safety requirements.
In order to ensure a proper and safe function and to rule out danger for persons and objects, this product must be installed appropriately.
Only trained, qualified staff, having 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 of performance-kit BRABUS:

1x Control unit PowerXtra-S	000-CGI-02
1x Wiring harness	463-740-05-K
2x Alloy bezel „B40-500“	463-B40-100
1x Brabus-typing	211-000-14
1x Set of typings „powered by“	000-000-30
1x Tüv-type approval	

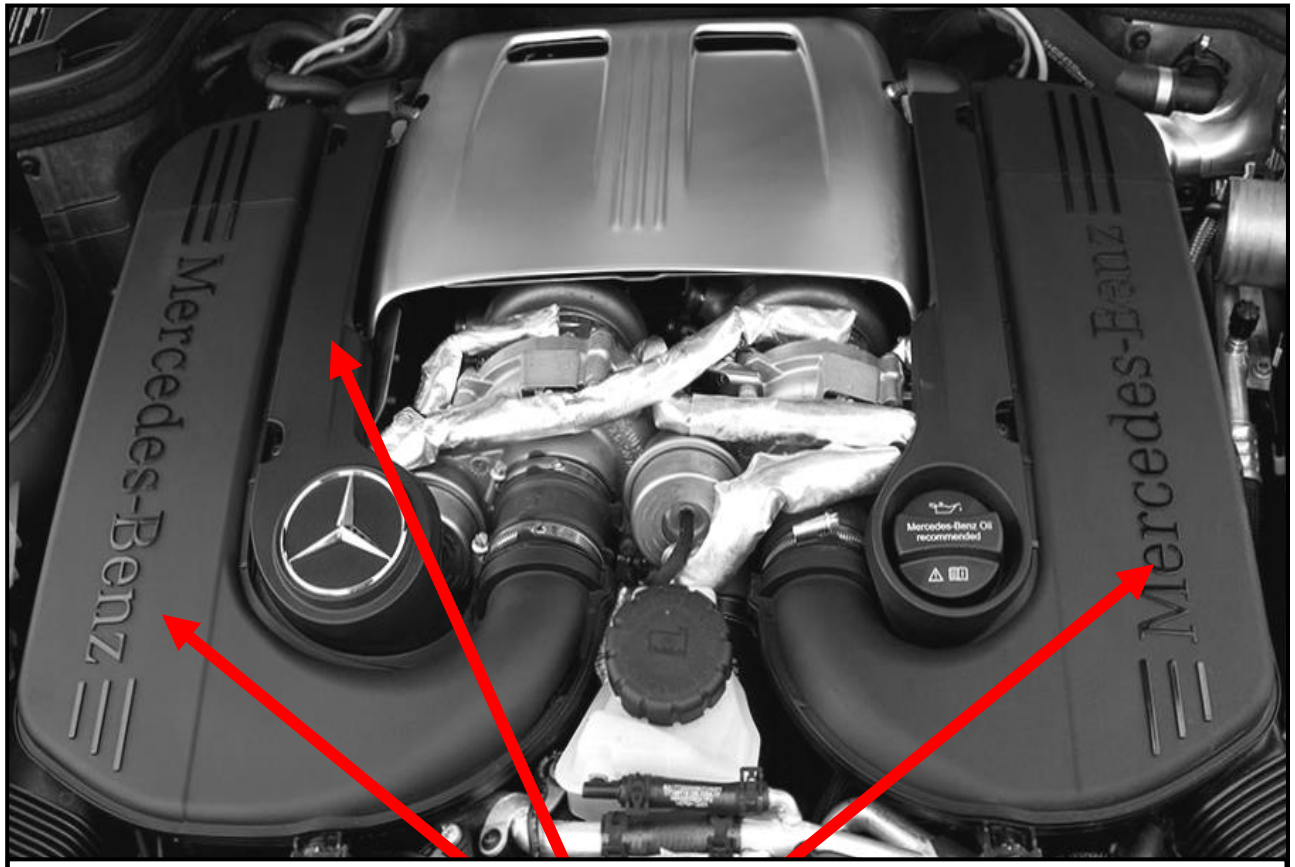
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Wiring harness overview:



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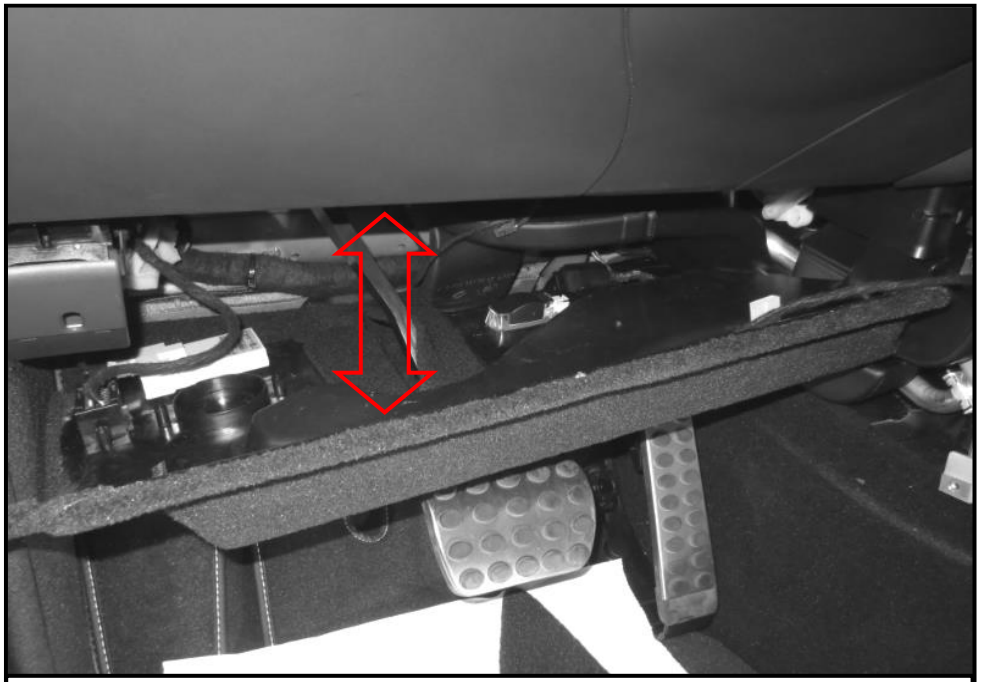
Preparation:



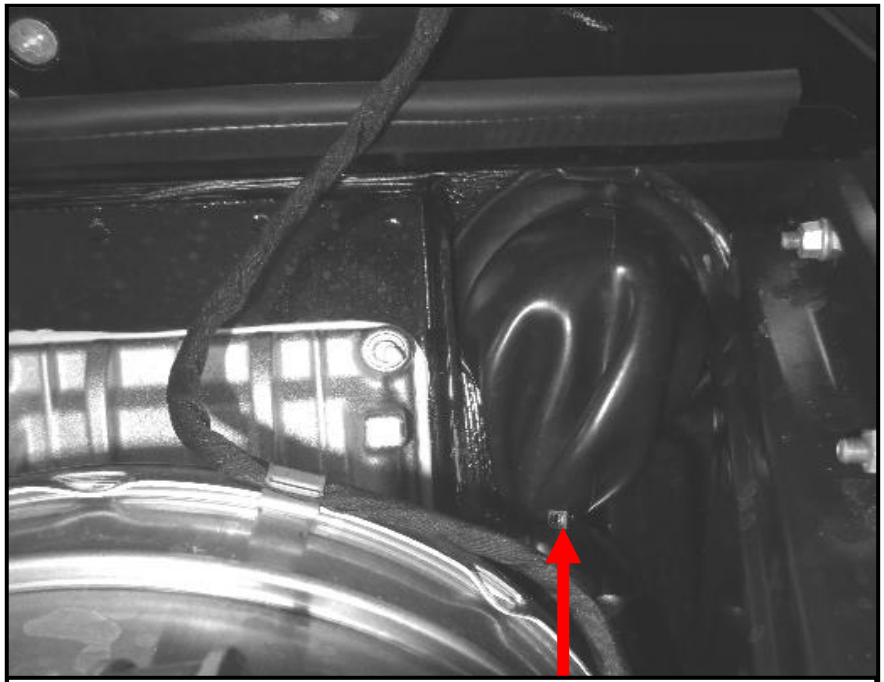
Remove engine plastic trims shown and both airfilters according to Mercedes-Benz workshop instructions.

Protect turbochargers agains dirt and foreign objects using appropriate measures!

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Loosen and fold down left lower dashboard cover.

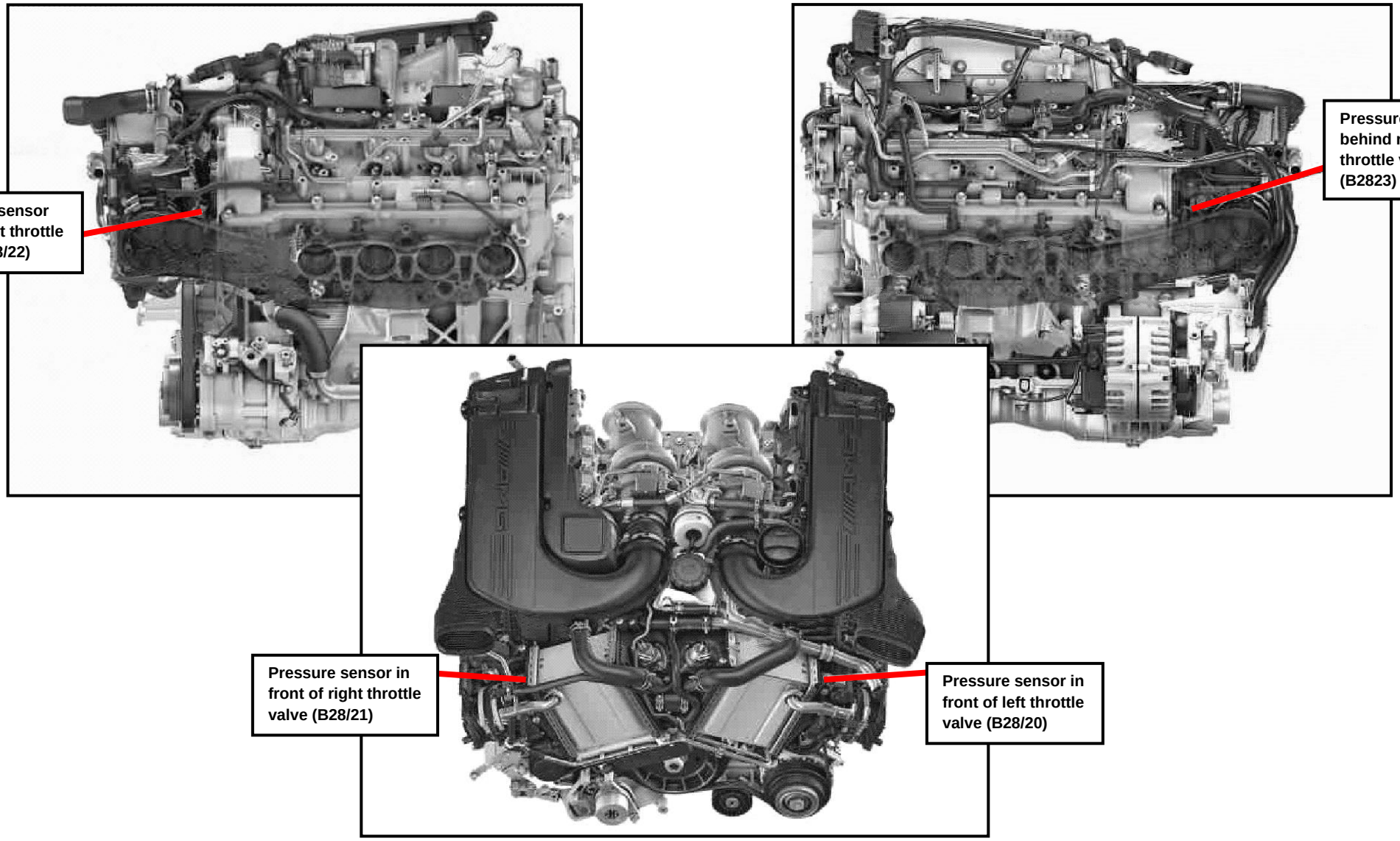


Remove cable tie at rubber grommet

Attention: ***The standard sensors the Brabus wiring harness needs to be connected to are difficult to access. It may help to remove further plastic trims in order to be able to connect the wiring harness to the sensors.***

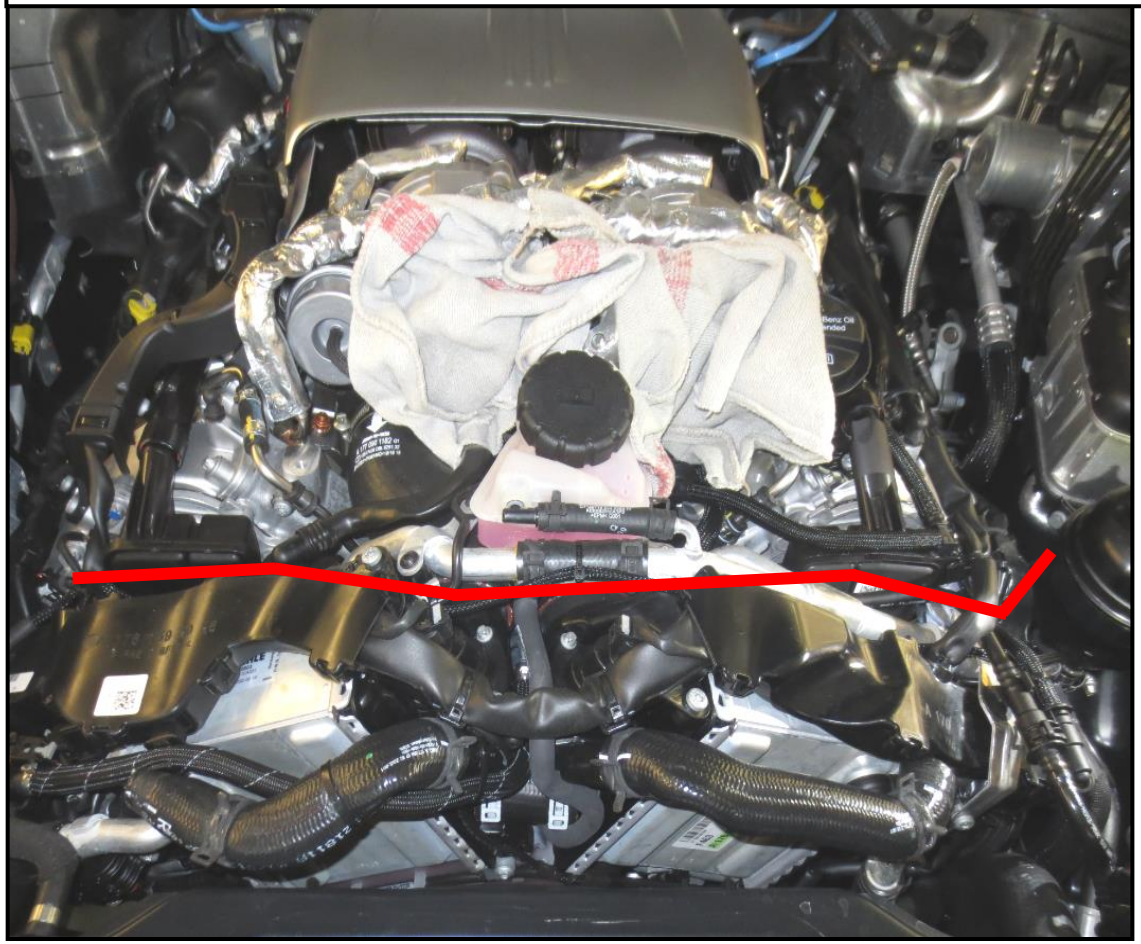
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Positions of standard sensors the Brabus harness gets connected to



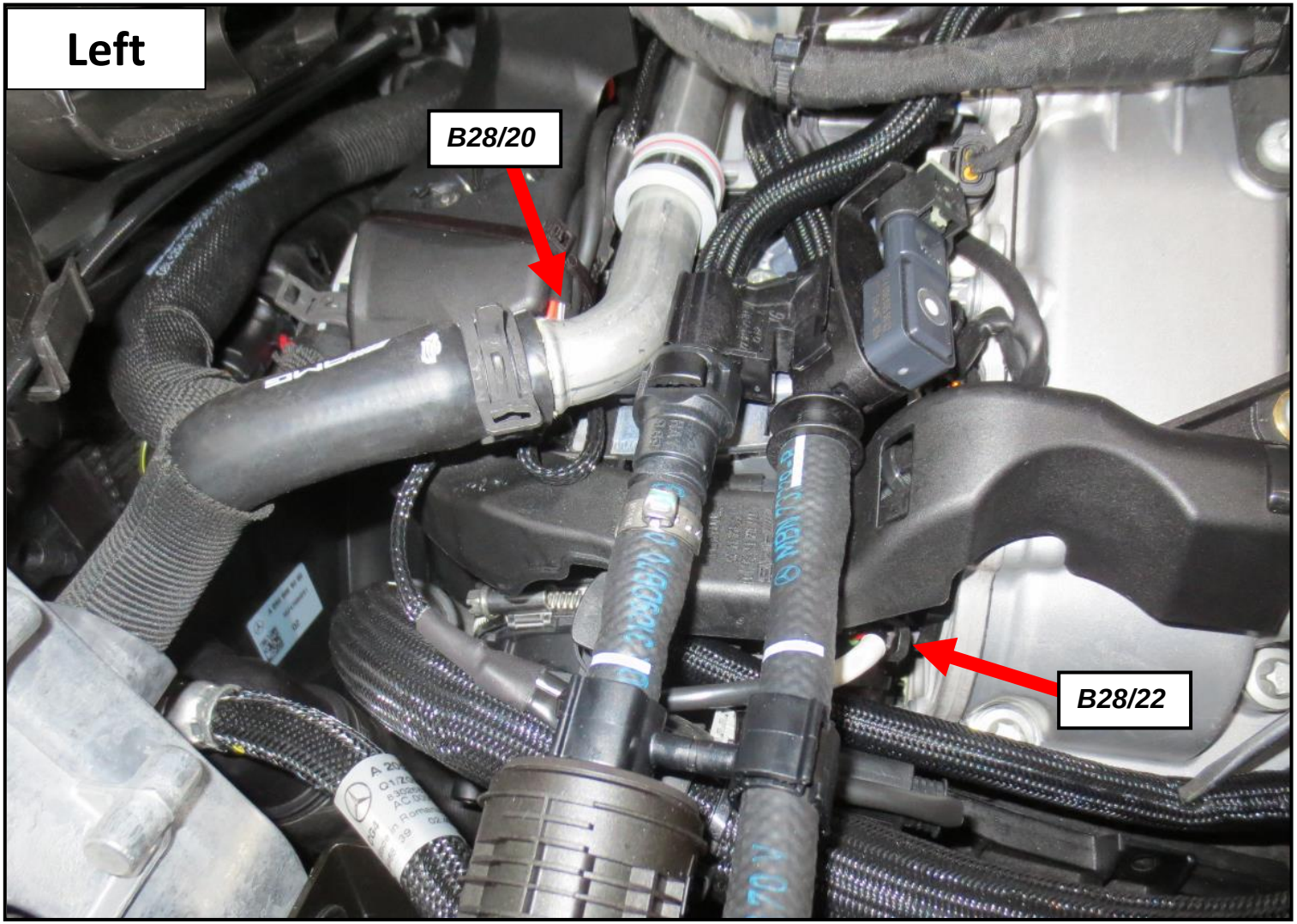
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Route the wiring harness according to illustration below and attach to standard engine wirings using cable ties. Attach plugs of Brabus wiring harness to sensors and standard sensor plugs to sockets of Brabus wiring harness. Route wiring harness to rubber grommet on the left vehicle side.

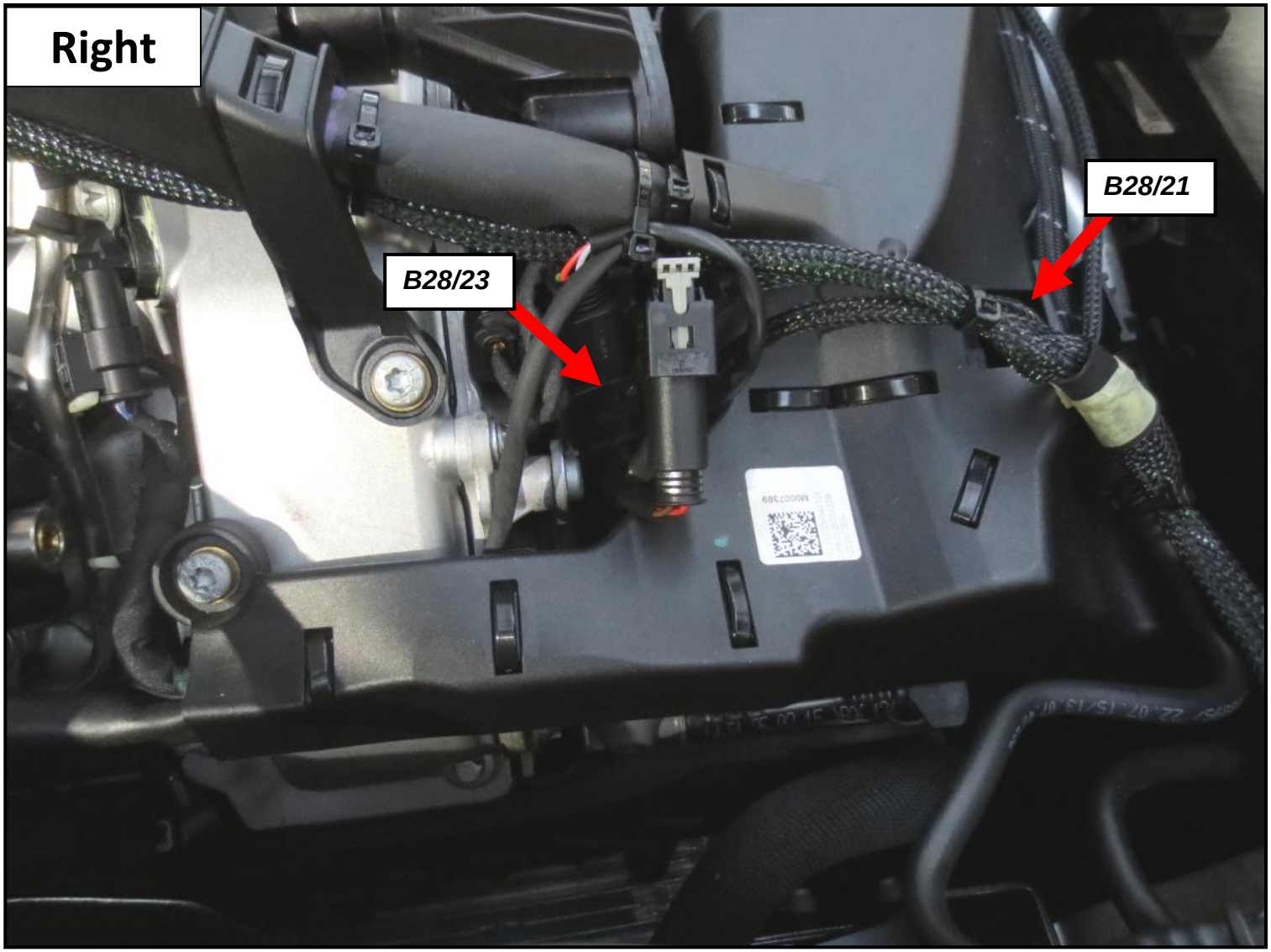




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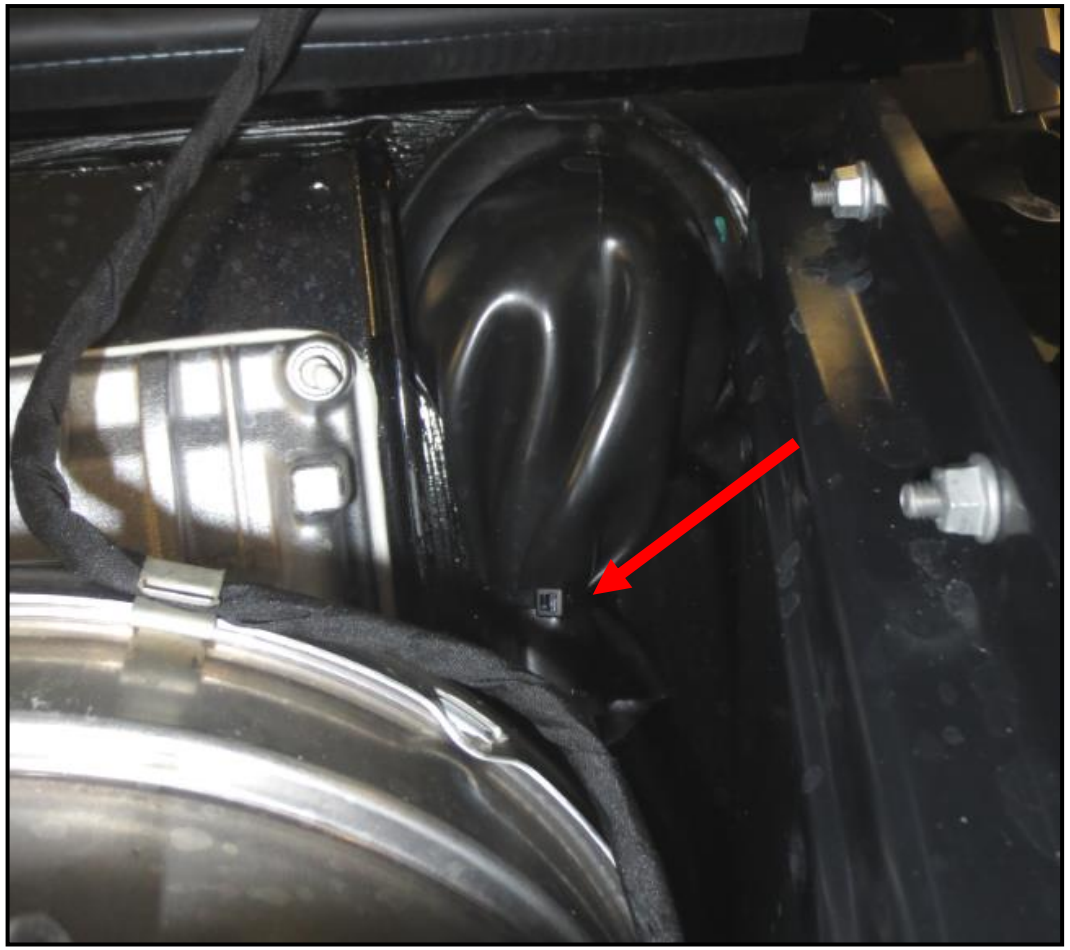


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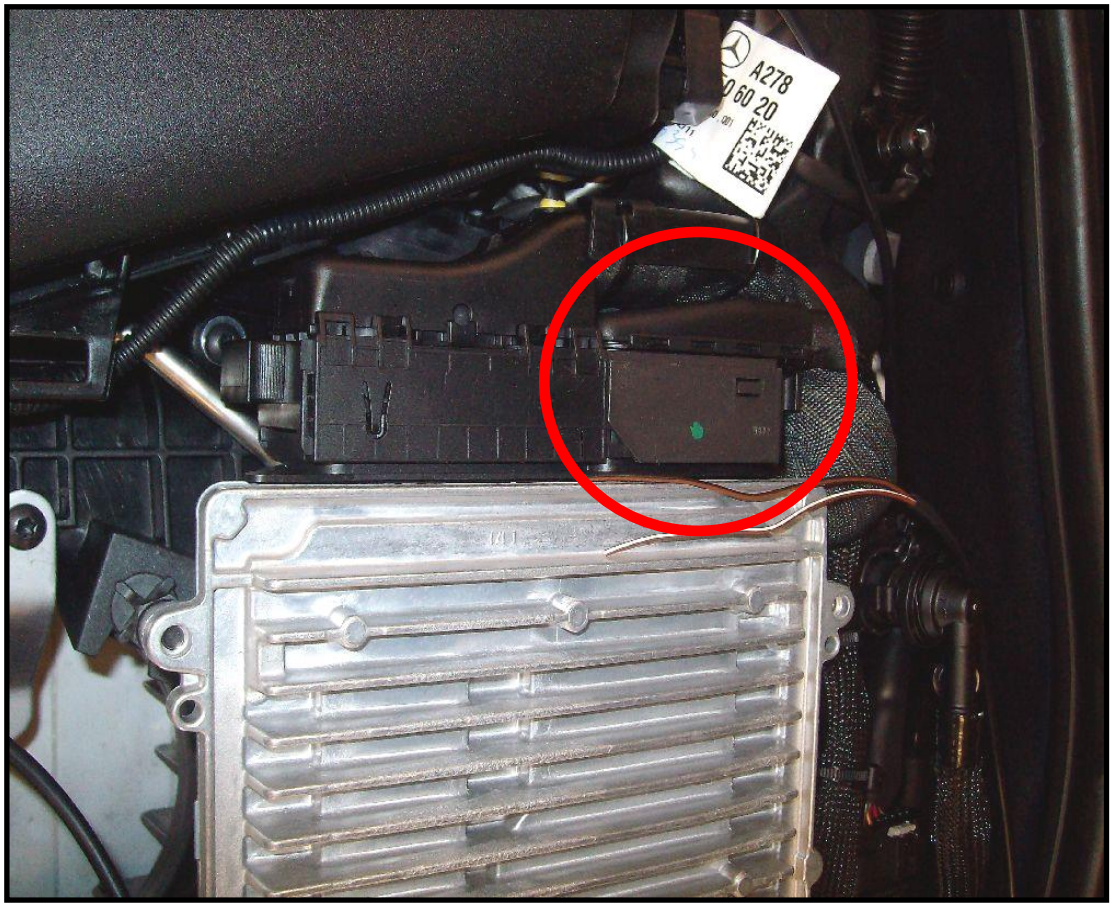
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Measure harness length required within engine bay and route wiring harness trough rubber grommet into the vehicle. Fixate wiring harness appropriately using cable ties and close rubber grommet using a cable tie.



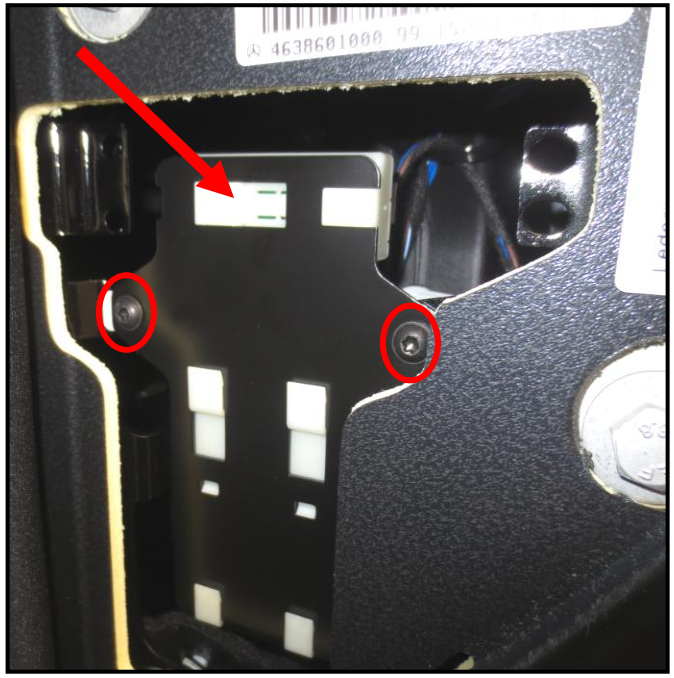
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Disconnect plug „F“ of engine control unit ME (right within engine bay).

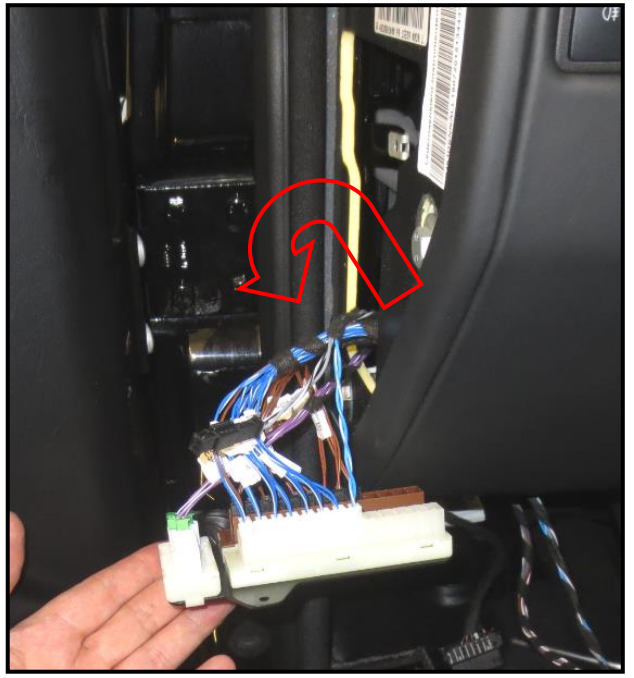


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Remove left dashboard plastic cover and loosen the screws of the CAN distributor panel. Take the ´panel out to gain access to the CAN distributors.

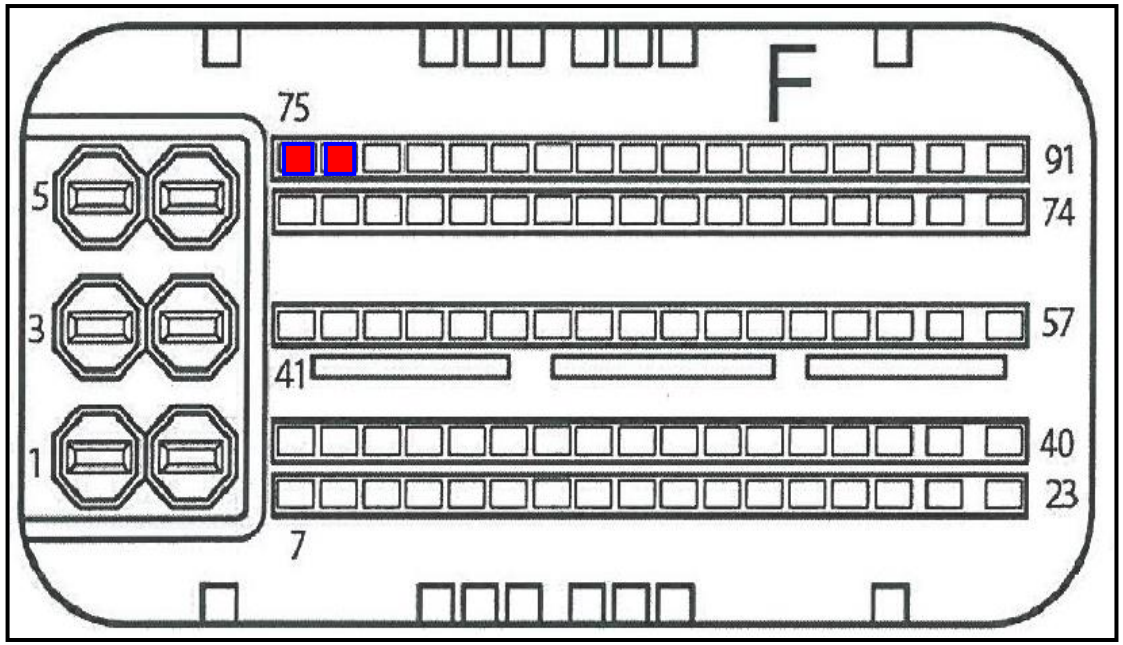


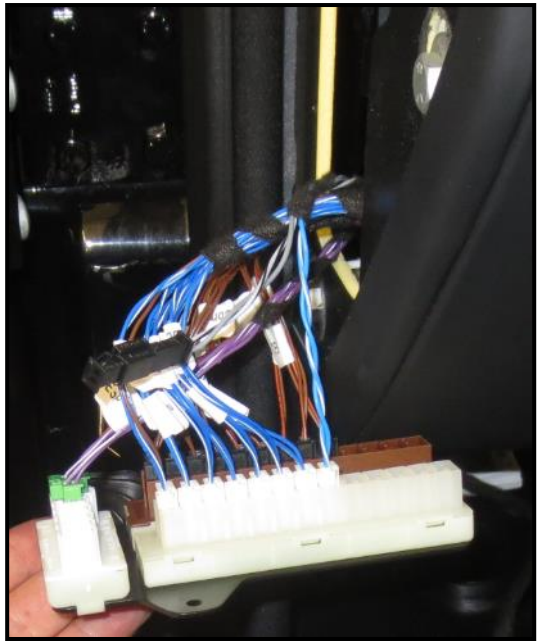




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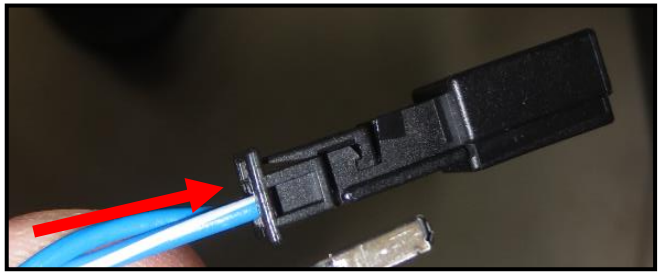
Carefully attach a multimeter to slots 76 (CAN-low) and 75 (CAN-high) of control unit plug „F“ and switch it to continuity testing. Take care not to widen the pins inside the plugs! Remove the plugs out of the CAN distributor one after another until the multimeter notifies an interruption. When this is the case you have found the slot the PowerXtra wiring harness is to be connected to.





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Remove the wires out of the 2 pole plug and attach these to the 2-pole black plug supplied. Connect the 2-pole plug to the 2-pole socket of the wiring harness (GY to BU / BU-WH to GY-BK).
Attach the plug of the Brabus harness to the free slot of the CAN distributor.



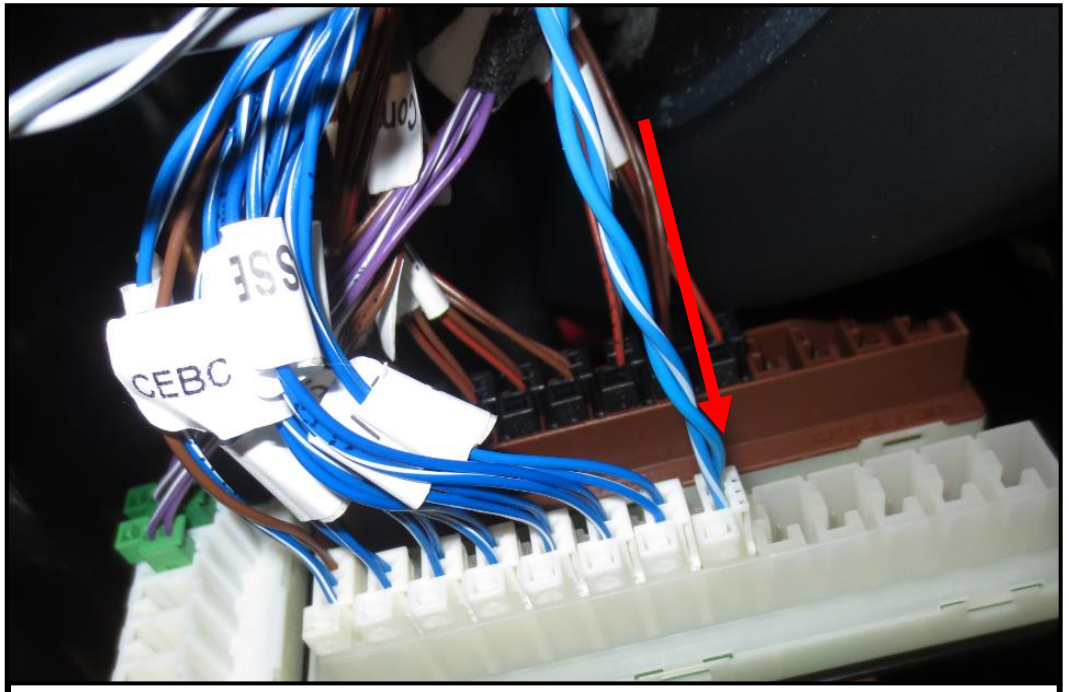
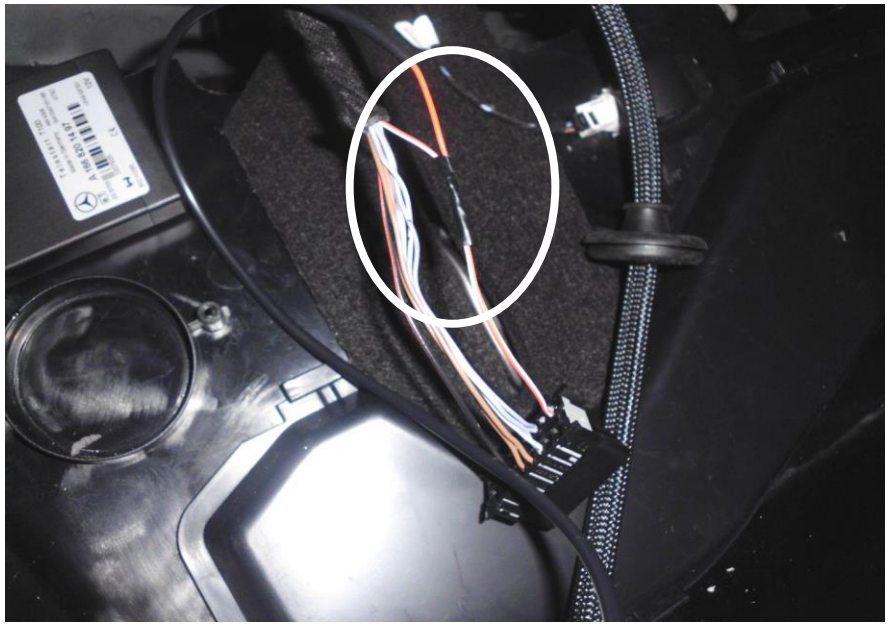


Illustration. Slot to be used can be different.

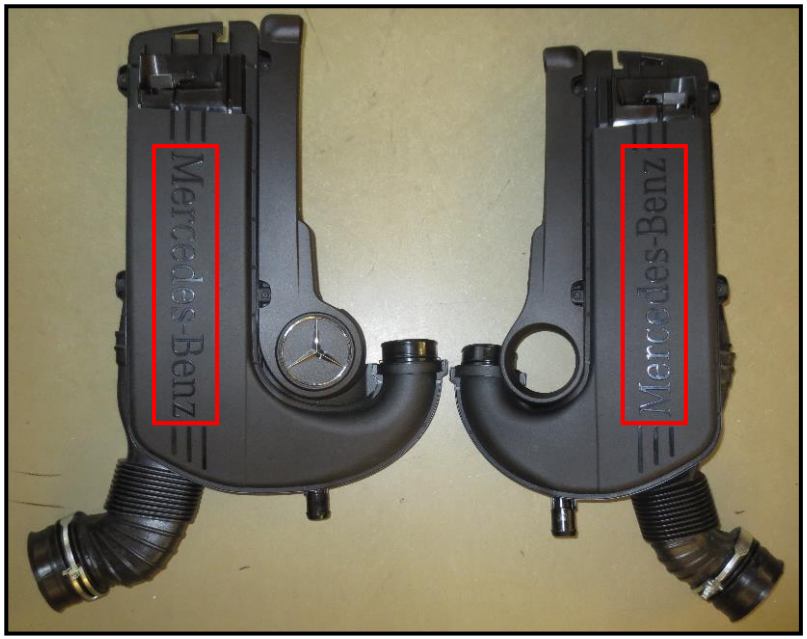
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Solder power supply wire of Brabus wiring harness parallel to wire out of slot 16 of OBD diagnosis port. Take care for sufficient isolation. Connect PowerXtra-wiring harness to PowerXtra-module and attach PowerXtra-module to lower dashboard cover using velcro tape supplied.



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Clean and degrease bonding areas of the airfilters. Bond the Brabus alloy bezels to the airfilters using adhesive supplied. Fixate the bezels using appropriate adhesive tape until the adhesive is finally hardened.



Re-assemble air filters and plastic trims, check wiring harness for proper routing. Check fault store of control unit ME and delete faults which may have occured during installation.
Start the 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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