

BRABUS®

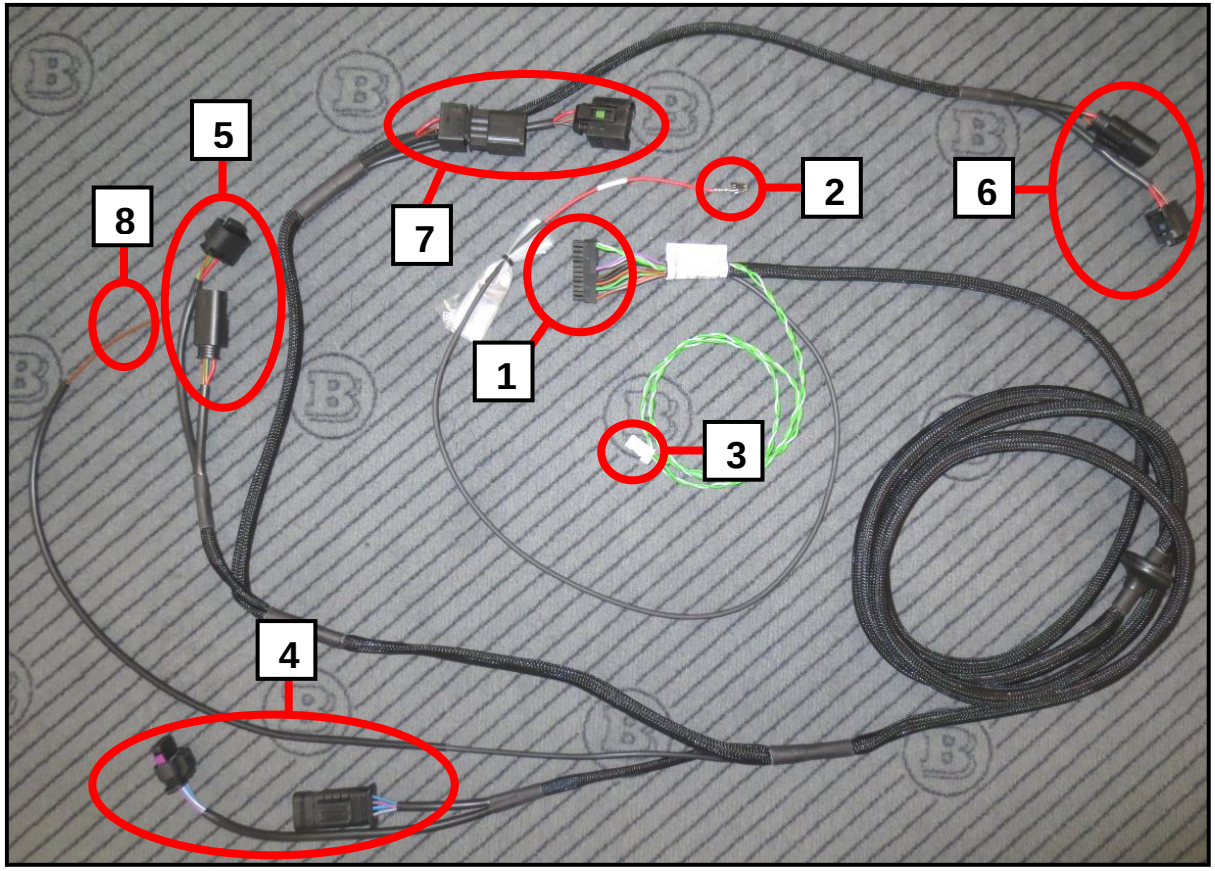
The product described in the instructions was developed, produced and checked considering the necessary safety requirements.
In order to ensure a proper and safe function and to rule out danger for persons and objects, this product must be installed appropriately.
Only trained, qualified staff, having 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-03**
1x Wiring harness	**253-730-005**
1x „Brabus“-typings	**211-000-14**
1x Set of typings “powered by“	**000-000-30**

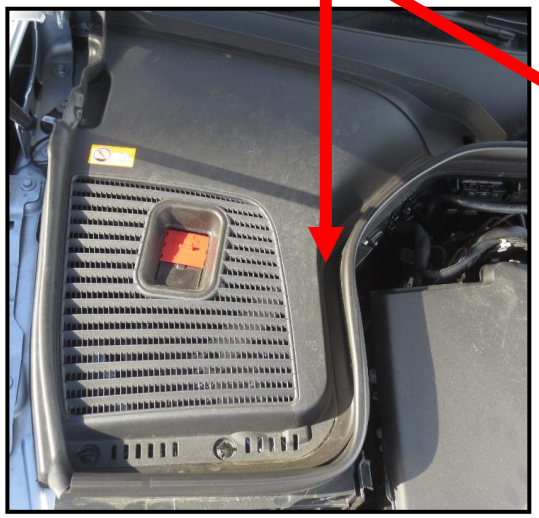
Connections to be established:

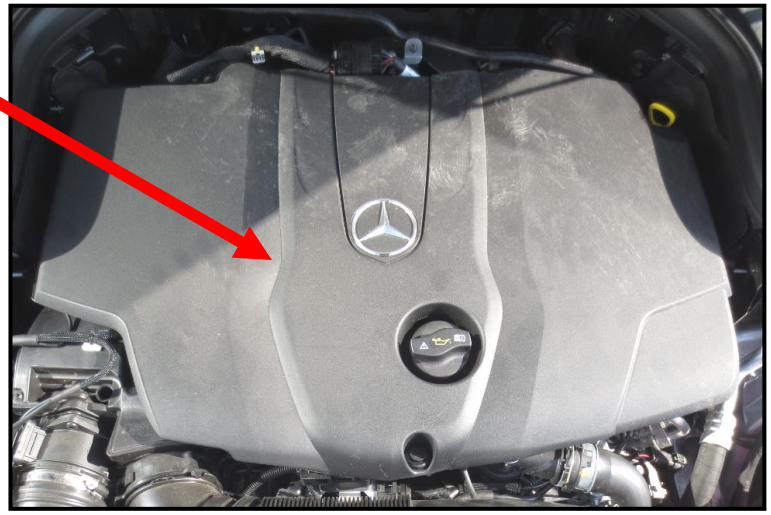
1- PowerXtra main plug
2- Constant power supply – to fuse and relay box within engine bay (right side, driving direction)
3- CAN-connector
4- Air mass sensor connectors (B2/5)
5- Charge pressure sensor connector – to low pressure sensor of exhaust gas turbocharger (B5/4)
6- Charge pressure sensor connectors (B5/1)
7- Rail pressure sensor connector (B4/6)
8- Ground connector - solder parallel to the wire (brown-rede) out of Pin 62 of CDI-control unit plug "M"



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Remove engine bay plastic covers

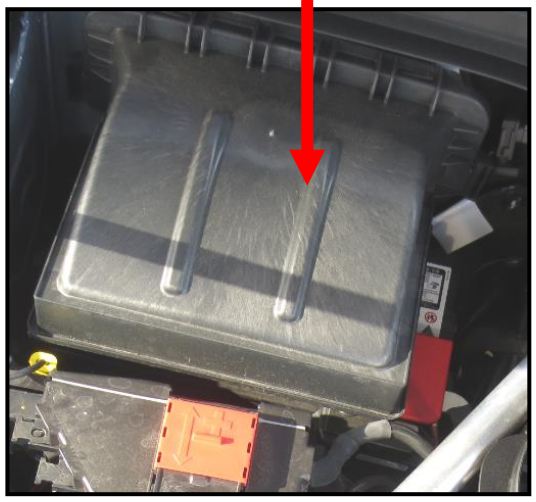




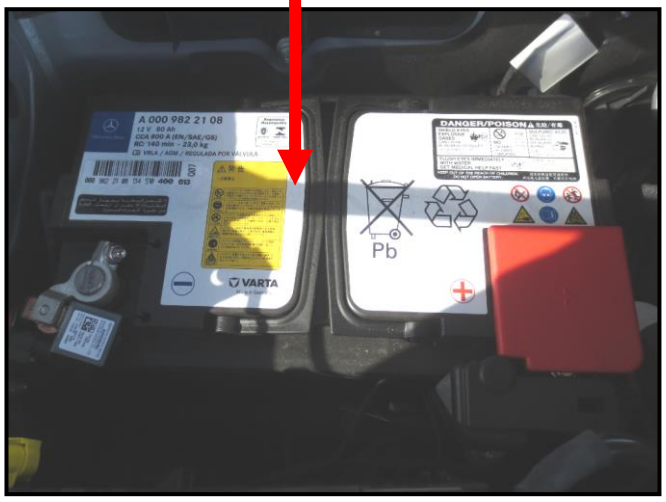
Attention:

Fixate the wiring harness inside the engine bay using cable ties. Make sure it is securely routed and cannot be damaged due to tensile stress, heat or sharp edges.

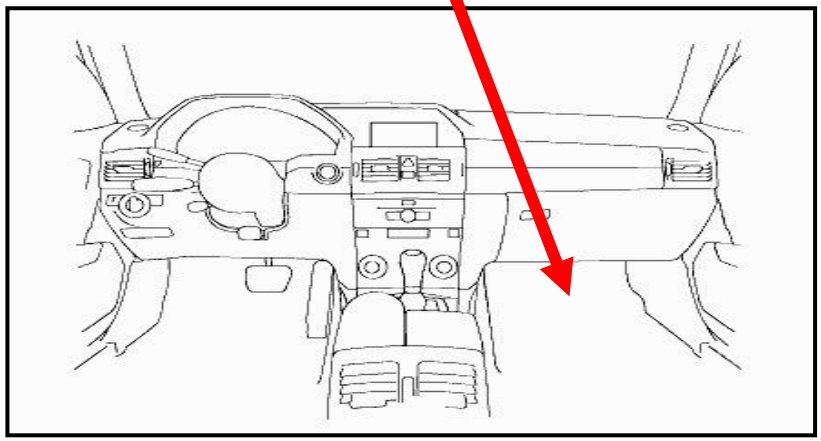
Remove interior air filter



Remove vehicle battery

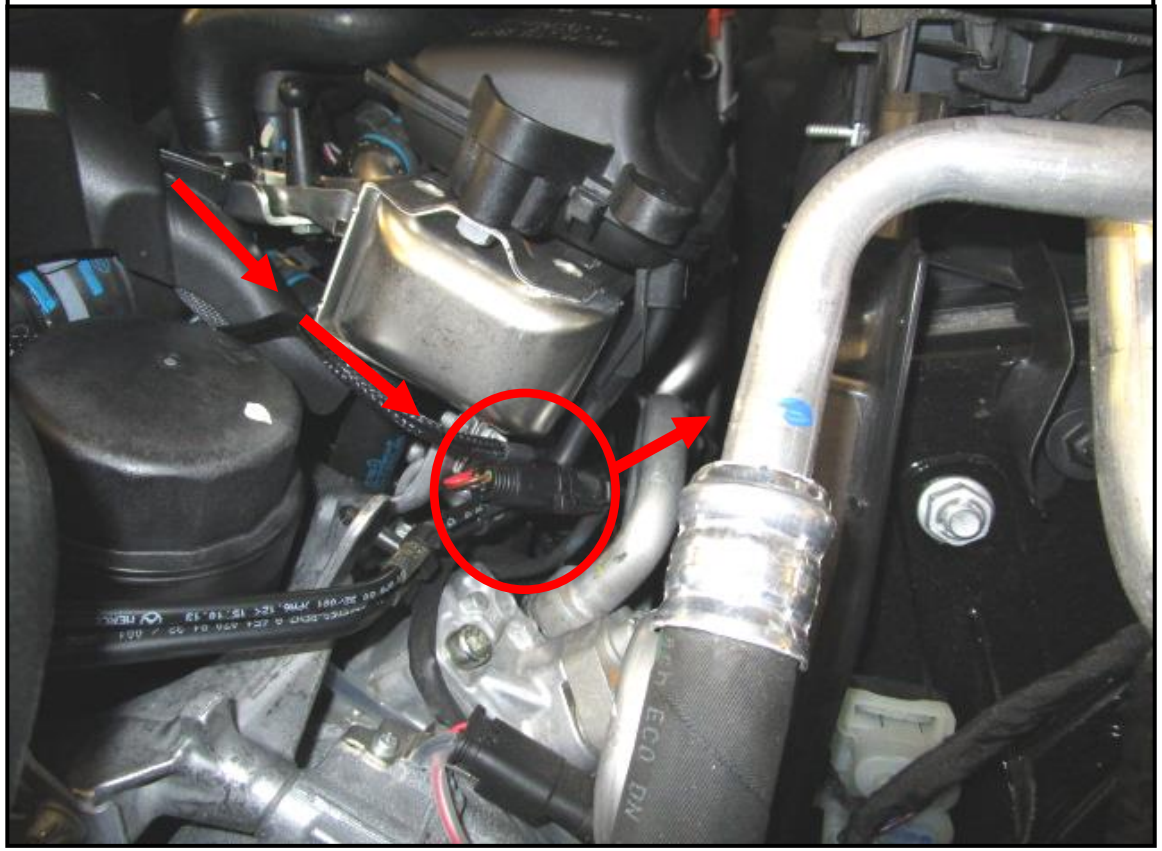


Fold back carpet and remove plastic trim to gain access to electrical components



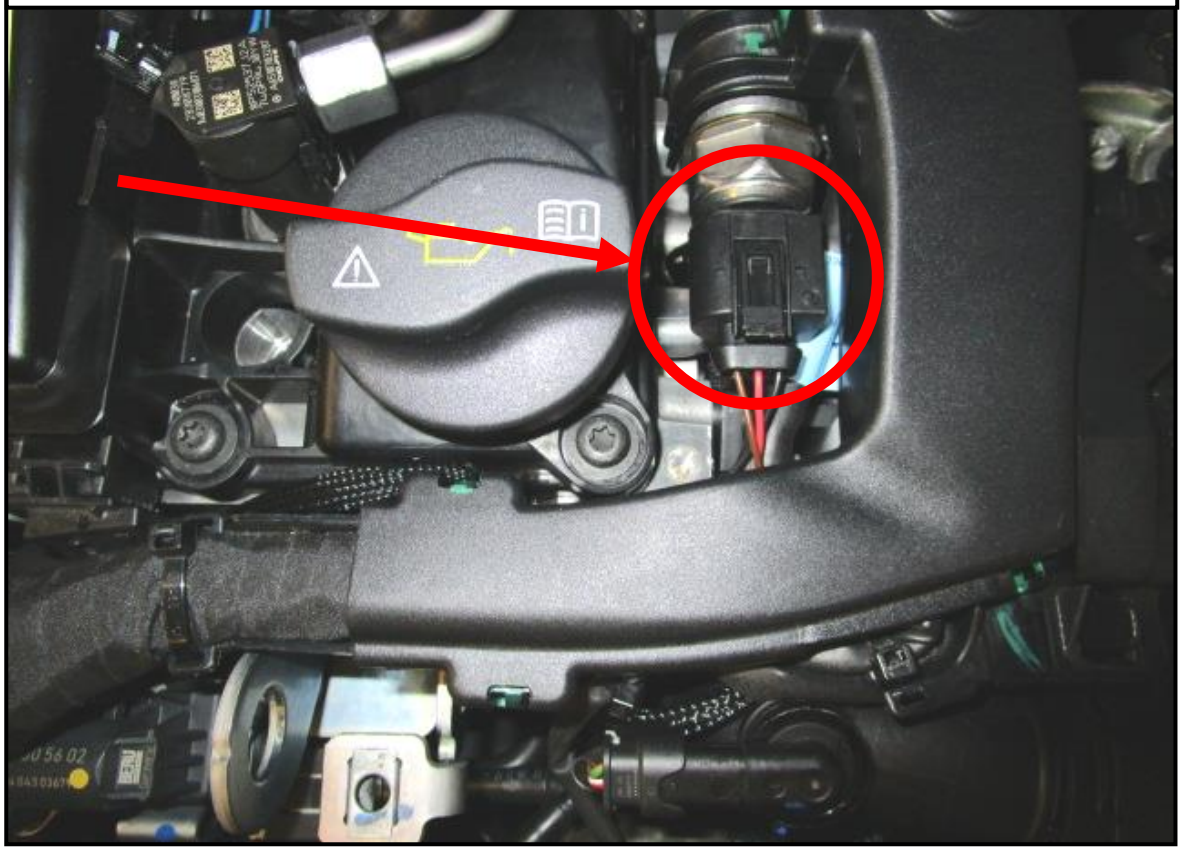
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Connect standard plug of charge pressure sensor (B5/1) to Brabus PowerXtra wiring harness, connect Brabus plug to charge pressure sensor.
Route wiring harness to rail pressure sensor (B4/6).



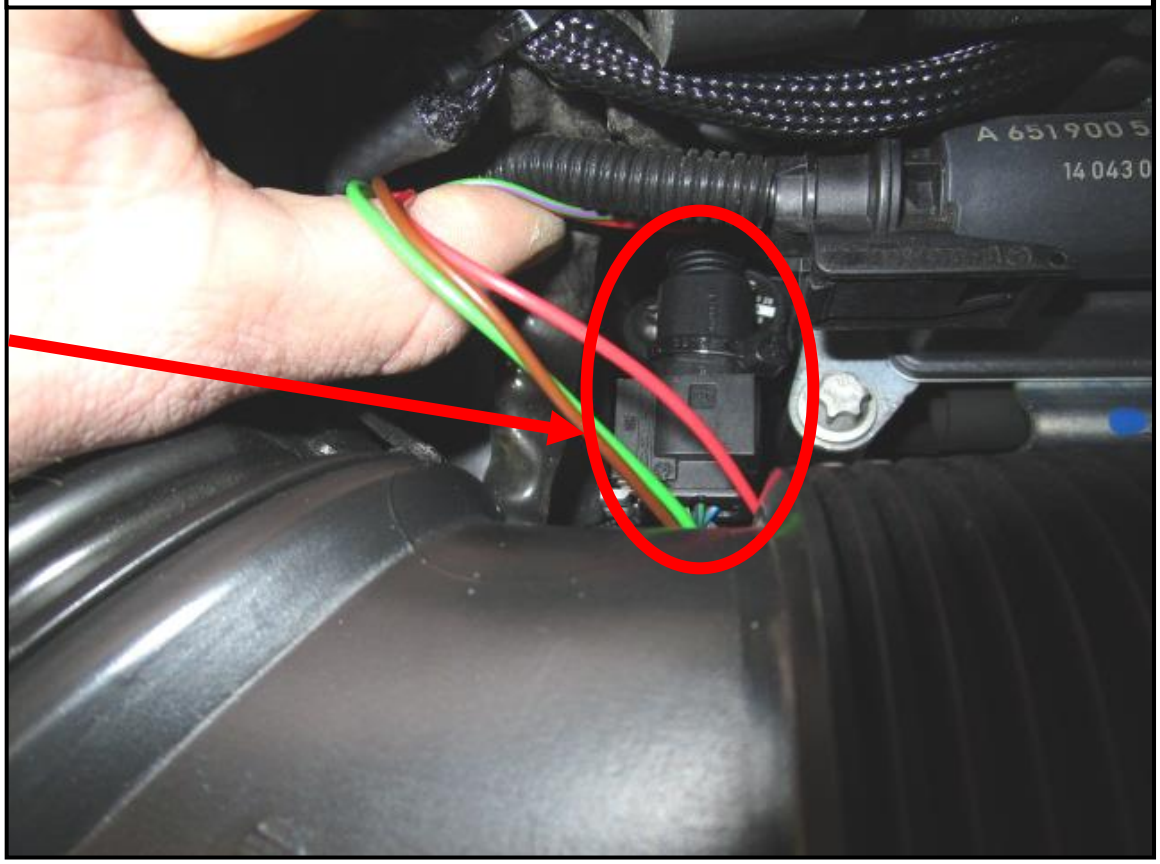
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Connect standard plug of rail pressure - sensor (B4/6) to Brabus PowerXtra - wiring harness, connect Brabus plug to rail pressure - sensor (B4/6).
Route wiring harness to charge pressure sensor – low pressure of exhaust gas turbocharger (B5/4).



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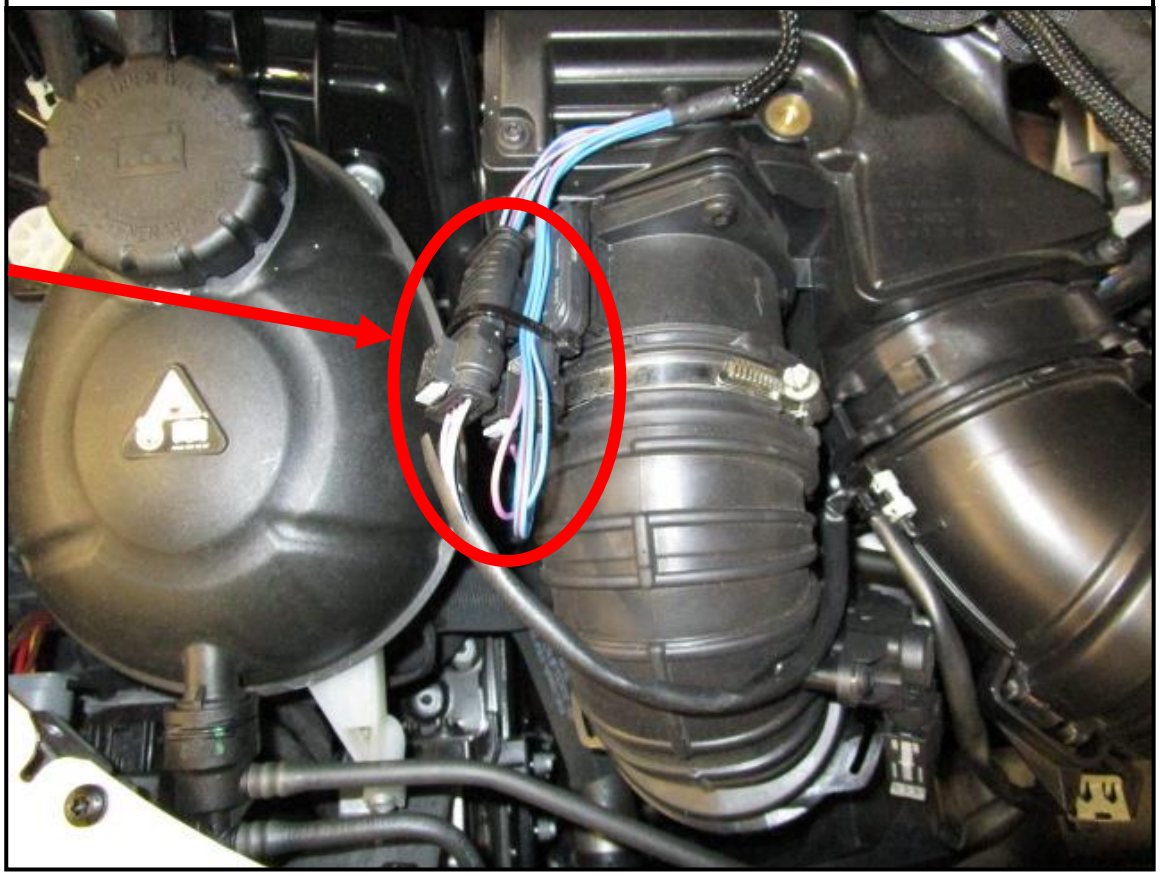
Route PowerXtra – wiring harness to charge pressure sensor – low pressure of exhaust gas turbocharger (B5/4).
Connect standard plug of charge pressure sensor (B5/4) to Brabus PowerXtra wiring harness, connect Brabus plug to charge pressure sensor.
Route wiring harness to air mass sensor (B2/5).



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Connect air mass sensor plug to Brabus wiring harness (sensor B2/5).

Connect Brabus plug to air mass sensor.
Route wiring harness to passenger side.



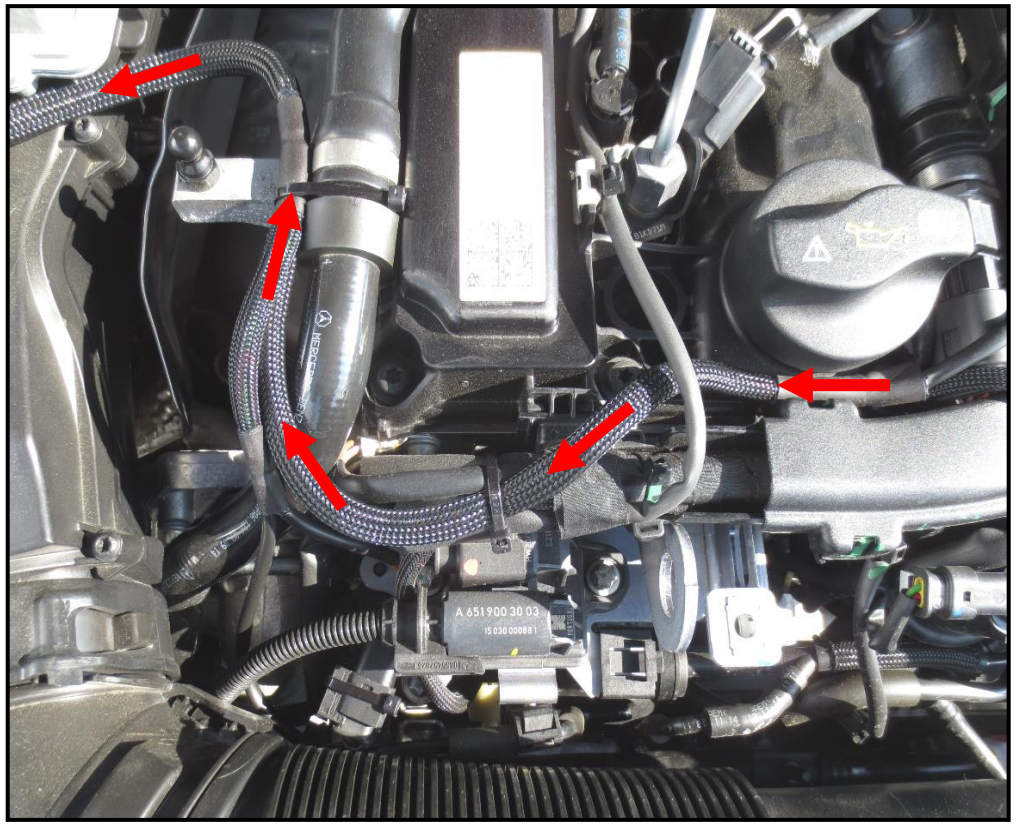
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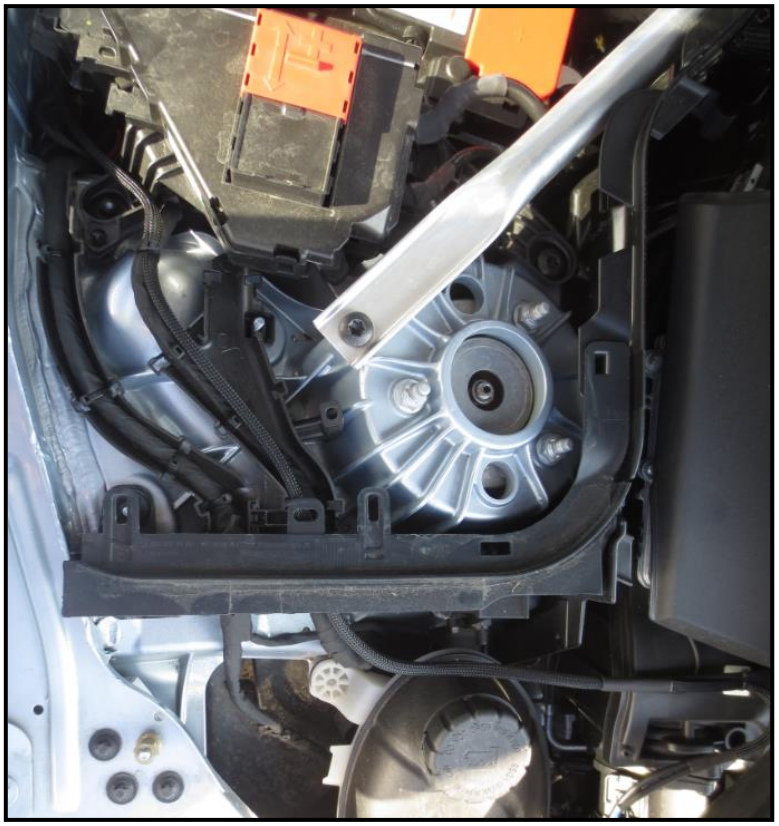
Disconnect plug „M“ of control unit CDI (N3/9) and disassemble the plug housing. Solder the brown wire (ground) of the Brabus wiring harness to the brown-red wire out of slot 62. Sufficiently isolate the soldered area.



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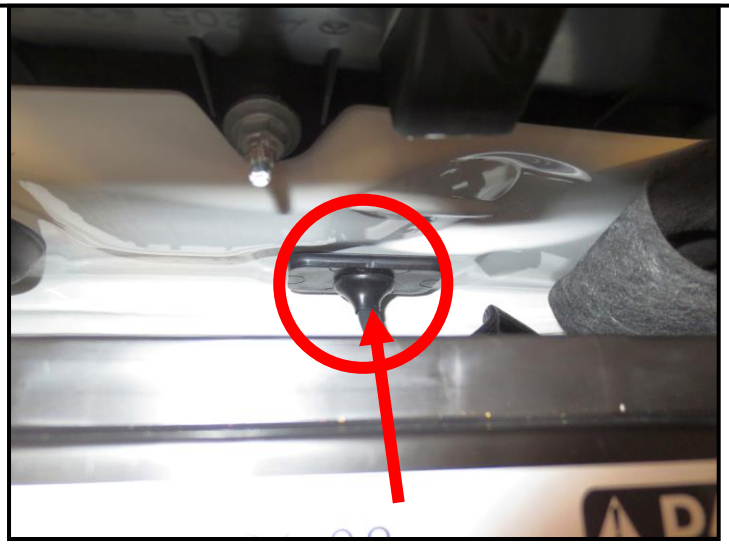
Route engine bay wiring harness to rubber grommet on passenger side according to illustration.





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Drill 25mm hole into grommet using a suitable drill (e.g. cone drill). Route wiring harness through the grommet and into the car. Re-attach the grommet.





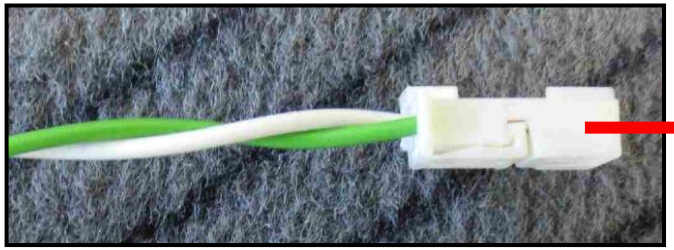


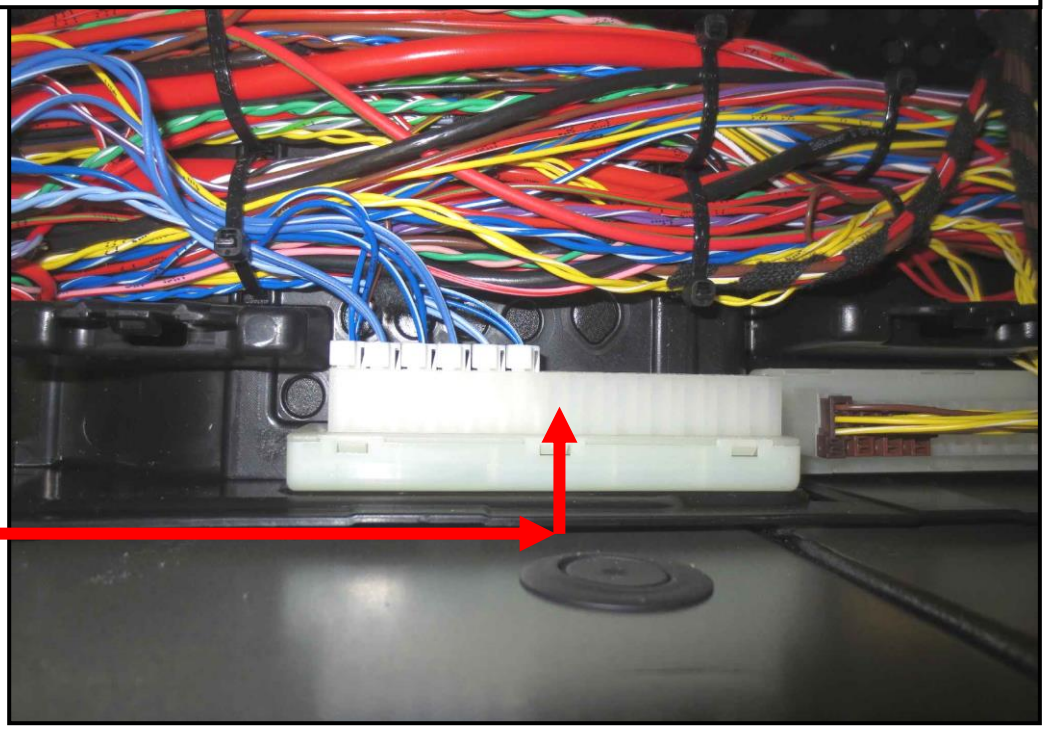
View from passenger footwell

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Attach the CAN plug of the Brabus wiring harness to a free port of the CAN distributor shown. If due to the equipment of the car all slots are used already, solder parallel to one existing connector and isolate sufficiently.

Allocation: white to blue-white, blue to green.

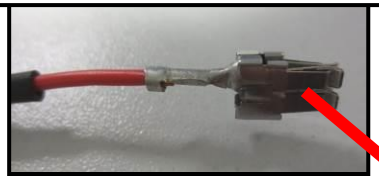




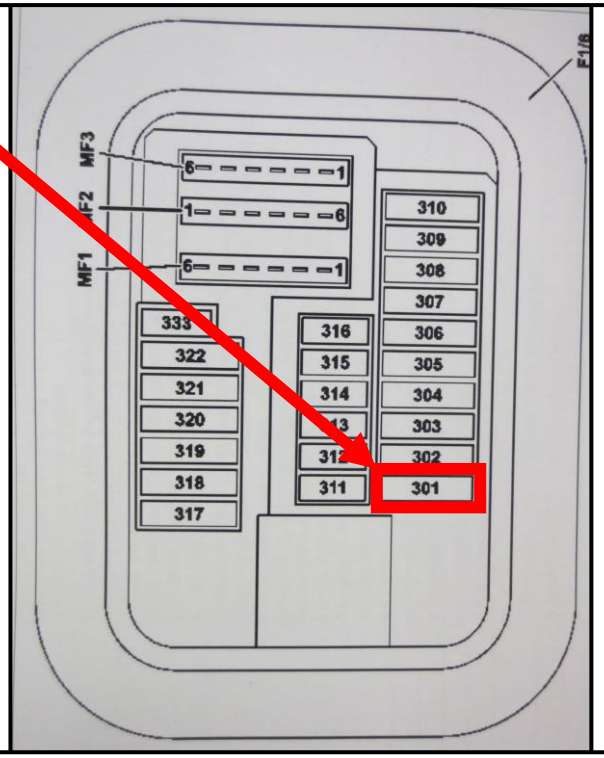
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Disconnect power supply wire at terminal shown and release the fuse port on the right side within footwell. Attach power supply wire of Brabus harness to slot 301 (fig.). Attach 5Amp fuse to fuse port.









Connect the main plug of the Brabus wiring harness to the control unit and fixate the control unit using velcro tape supplied.

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

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