B30-performance kit for C/ X 253 - GLC43 AMG

253-B30-00-250

BRABUS®

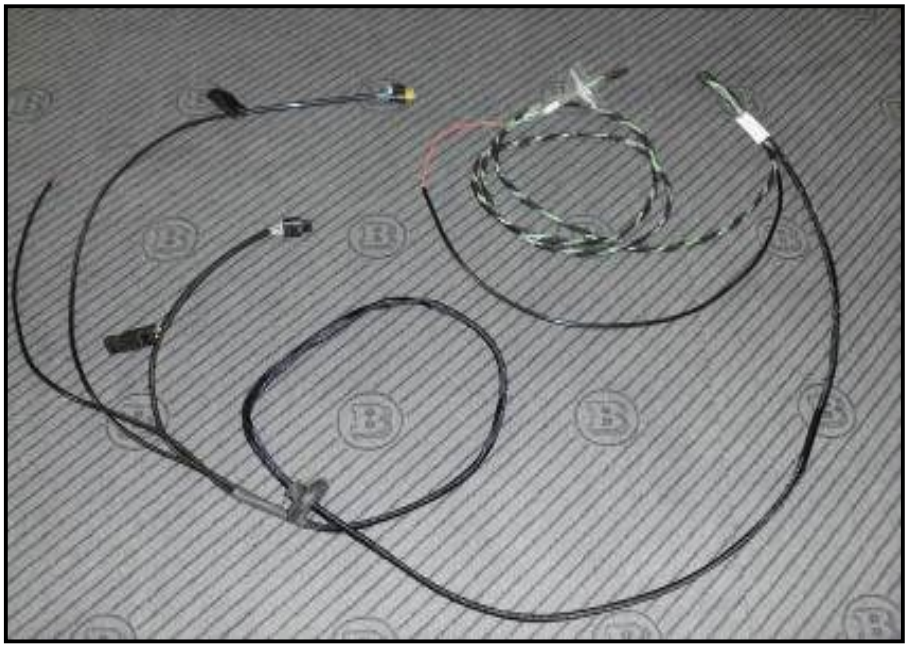


The product described in the instructions was developed, produced and checked considering the necessary safety requirements.
In order to ensure a proper and safe function and to rule out danger for persons and objects, this product must be installed appropriately.
Only trained, qualified staff, having 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 Wiring harness	205-755-05
1x „Brabus“ typing	211-000-14
1x Set of typings „powered by“	000-000-30
1x TUV type approval	

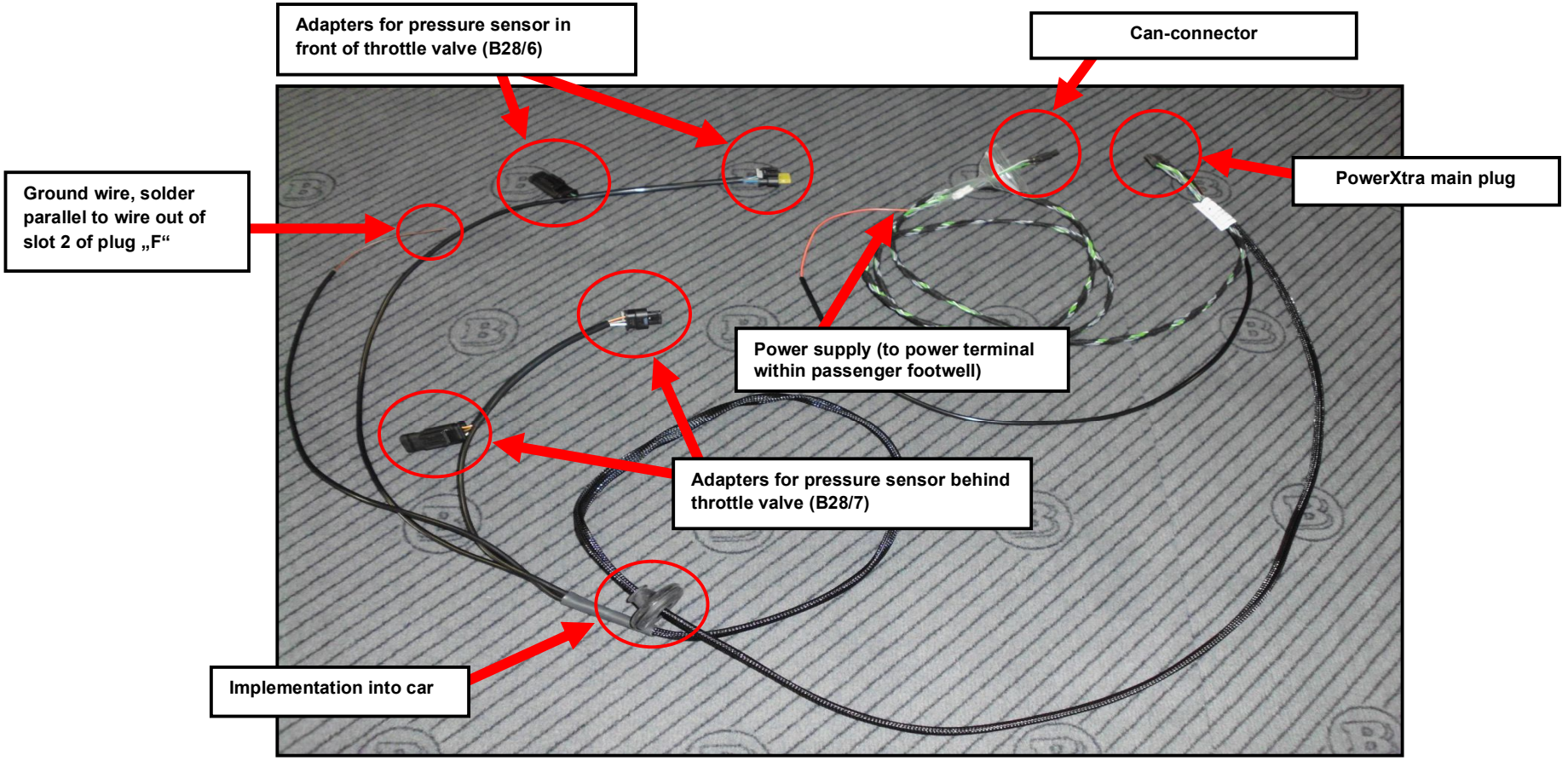




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Overview of connections to be established:

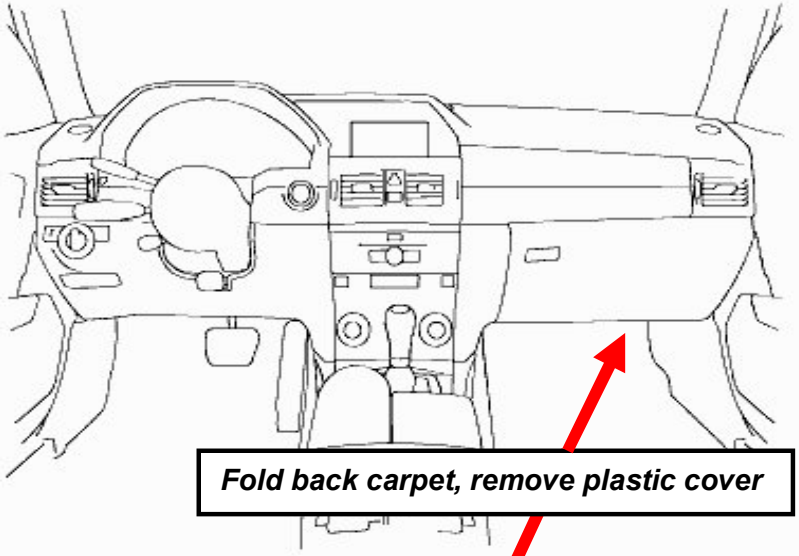
1- PowerXtra-main plug
2- Power supply (red wire to power terminal within passenger footwell)
3- CAN-connector
4- Adapters for pressure sensor in front of throttle valve (B28/6)
5- Connector for pressure sensor behind throttle valve (B28/7)
6- Ground wire, to be connected to the wire out of slot 2 of control unit plug „F“.



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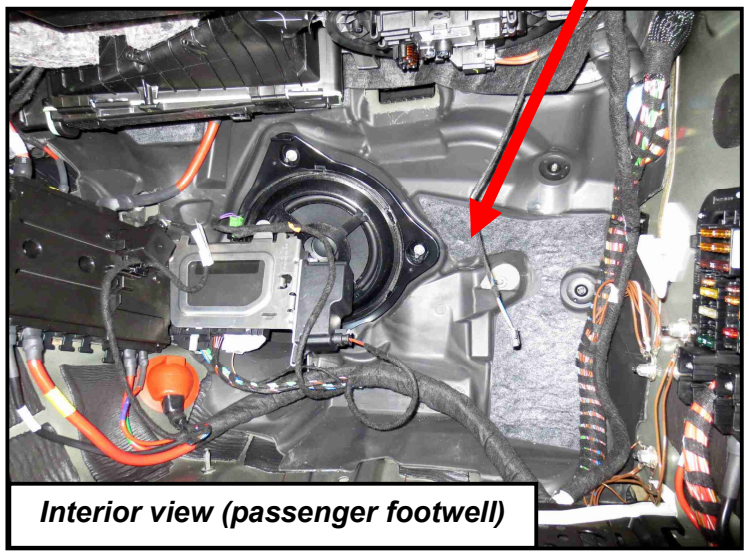
Remove trim parts and AC air filter





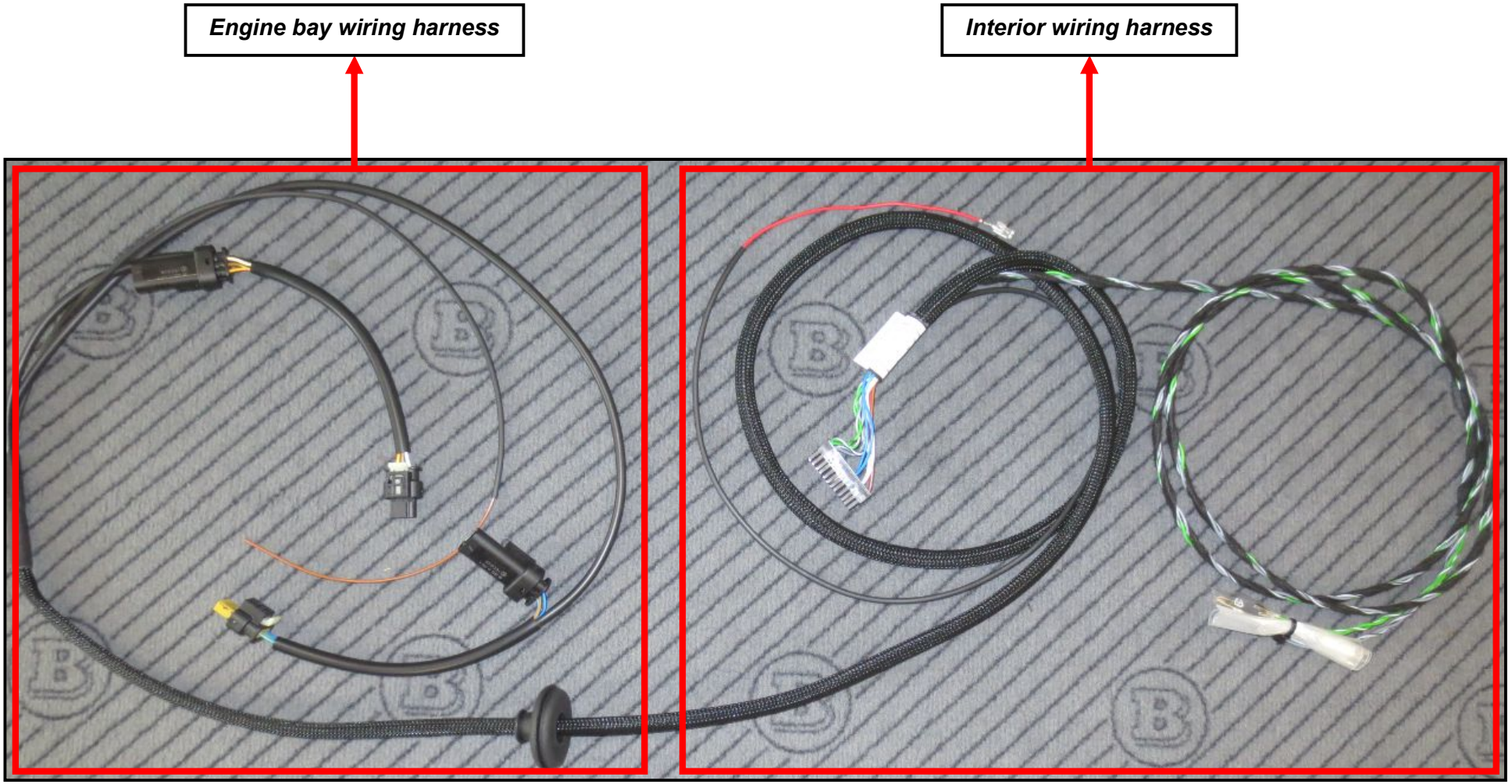
Fold back carpet, remove plastic cover

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



Interior view (passenger footwell)

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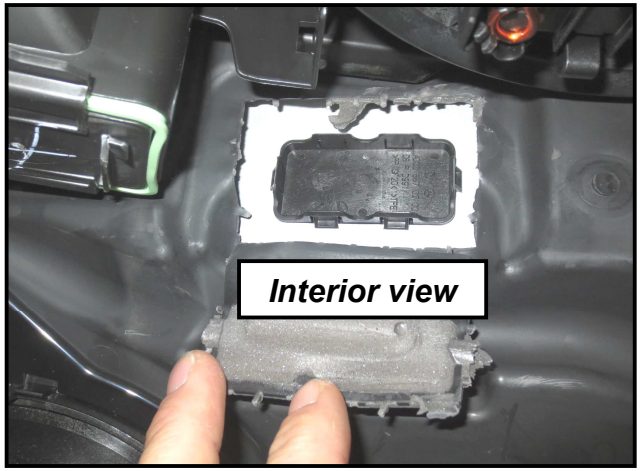
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Attention:

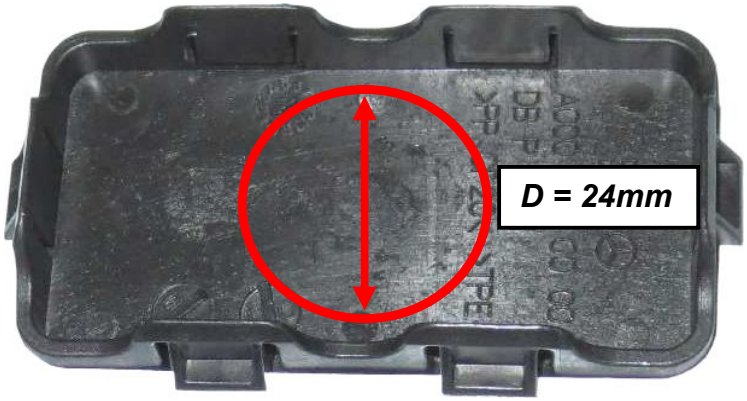
The wiring harness is routed from the engine bay into the vehicle, through plastic cover shown below.
Remove the plastic cover and drill a hole into it using a suitable cone drill (centered, diameter 24mm).
Route the interior connectors through the plastic cover and through the bulkhead into the vehicle, attach the rubber implementation to the plastic cover. Measure the wiring length required within the engine bay and fixate the implementation using a cable tie.
Take care for sufficient denseness of the implementation!

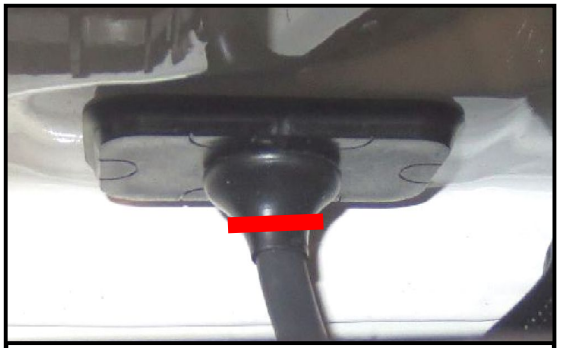


Remove plastic cover (on passenger side, behind car main battery)





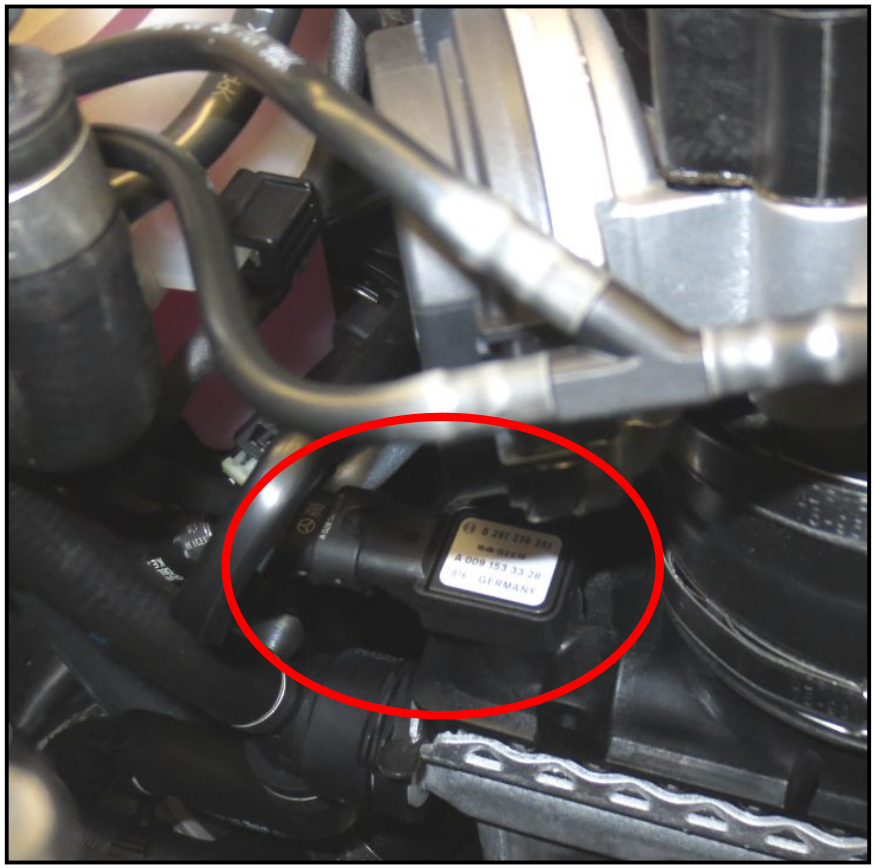




Secure by using a cable tie!

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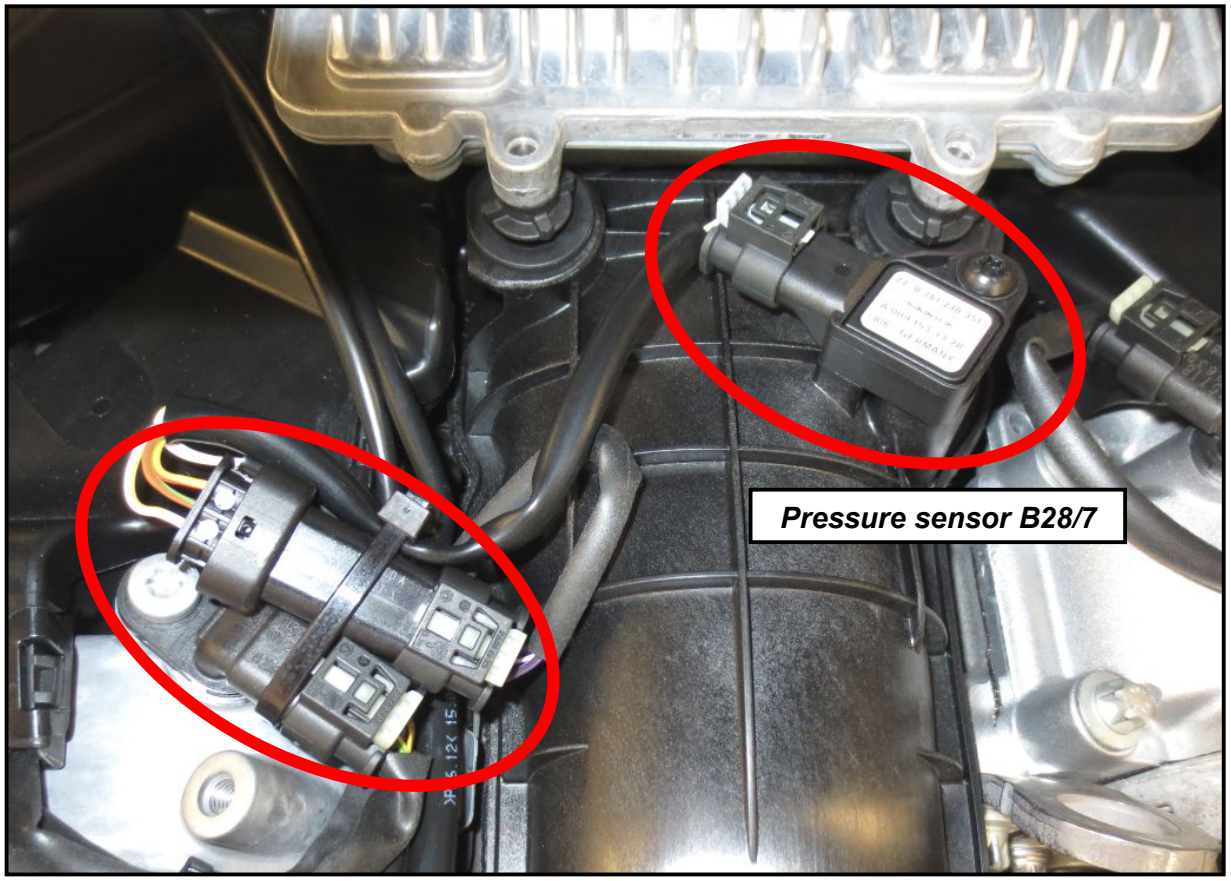
Connect the plug of the pressure sensor in front of throttle valve (B28/6)to the Brabus wiring harness, attach the plug of the Brabus wiring harness to the pressure sensor in front of the throttle valve (B28/6).
Secure connectors by using cable ties.
Route the wiring loom to pressure sensor behind throttle valve (B28/7).





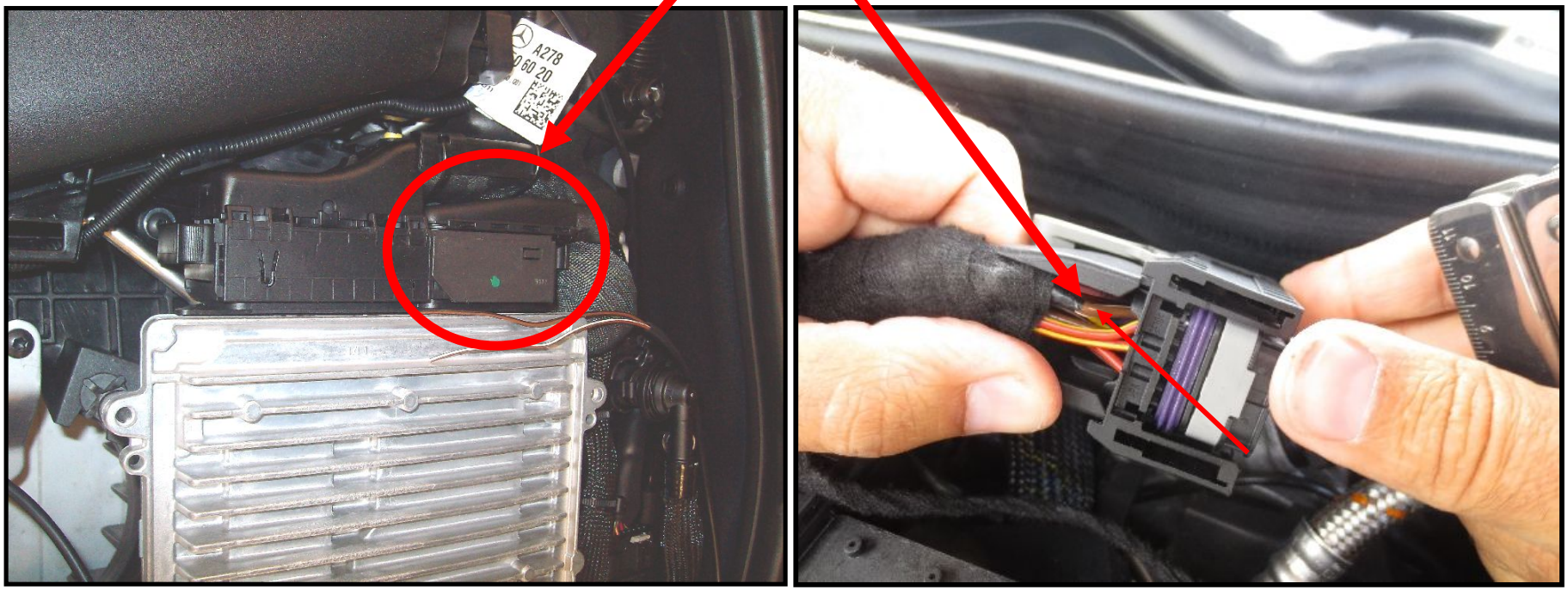
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Connect the plug of the pressure sensor behind the throttle valve (B28/7)to the Brabus wiring harness, attach the plug of the Brabus wiring harness to the pressure sensor behind the throttle valve (B28/7). Secure the connectors by using cable ties.



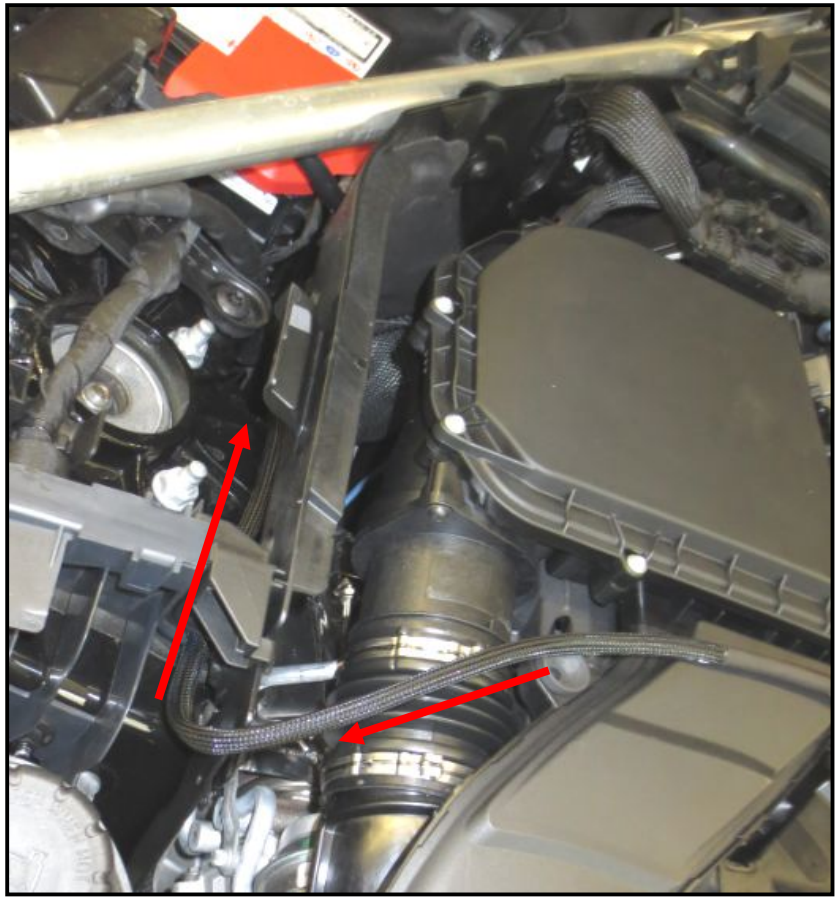
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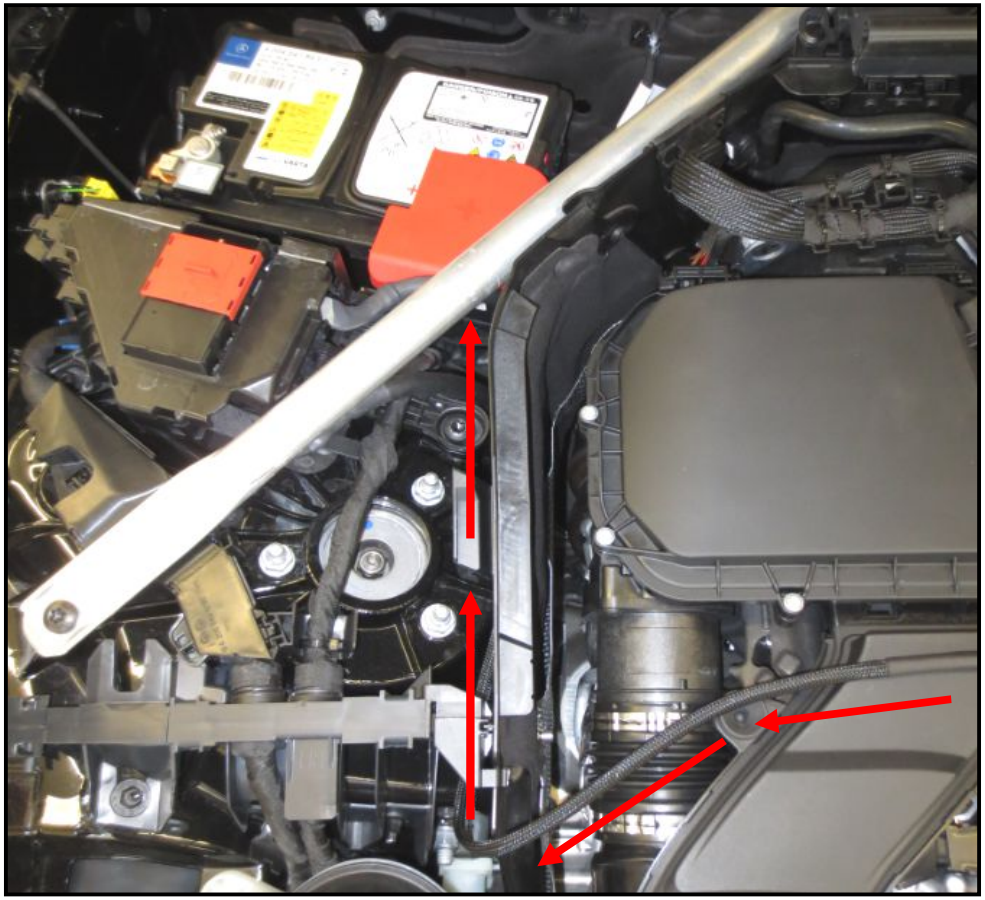
Solder the ground wire parallel to the wire out of slot 2 of plug „F“. Sufficiently isolate the soldered area!



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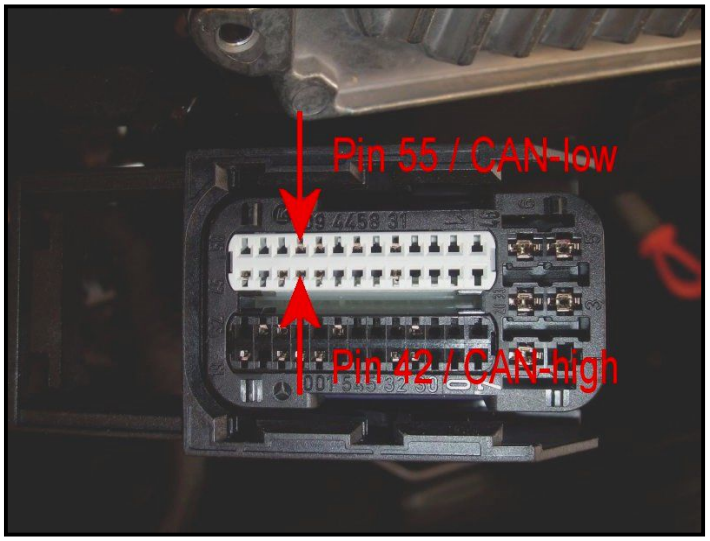
Route the wiring harness to the car main battery.

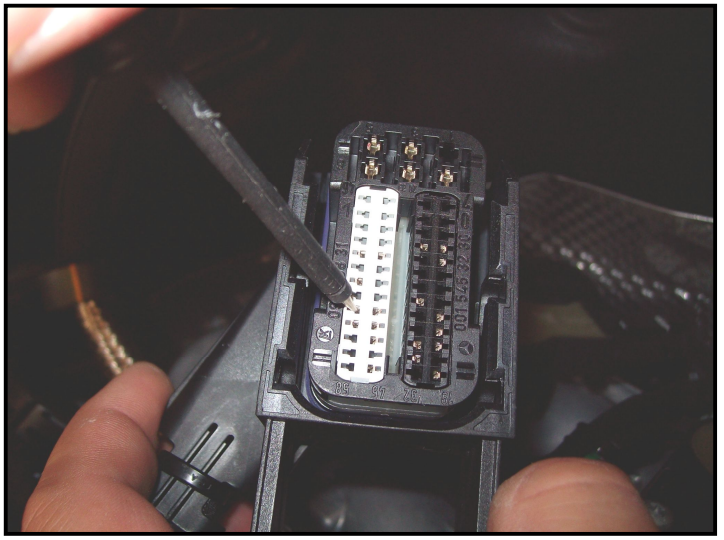


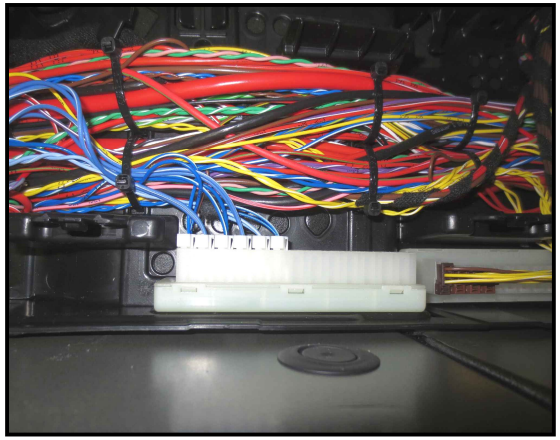


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Carefully attach a multimeter to slots 55 and 42 of control unit plug „F“ and switch it to resistance measuring. Take care not to widen the pins inside the plugs! Remove the plugs out of the CAN distributor one after another until the multimeter shows an interruption. When this is the case you have found the slot the PowerXtra wiring harness is to be connected to.

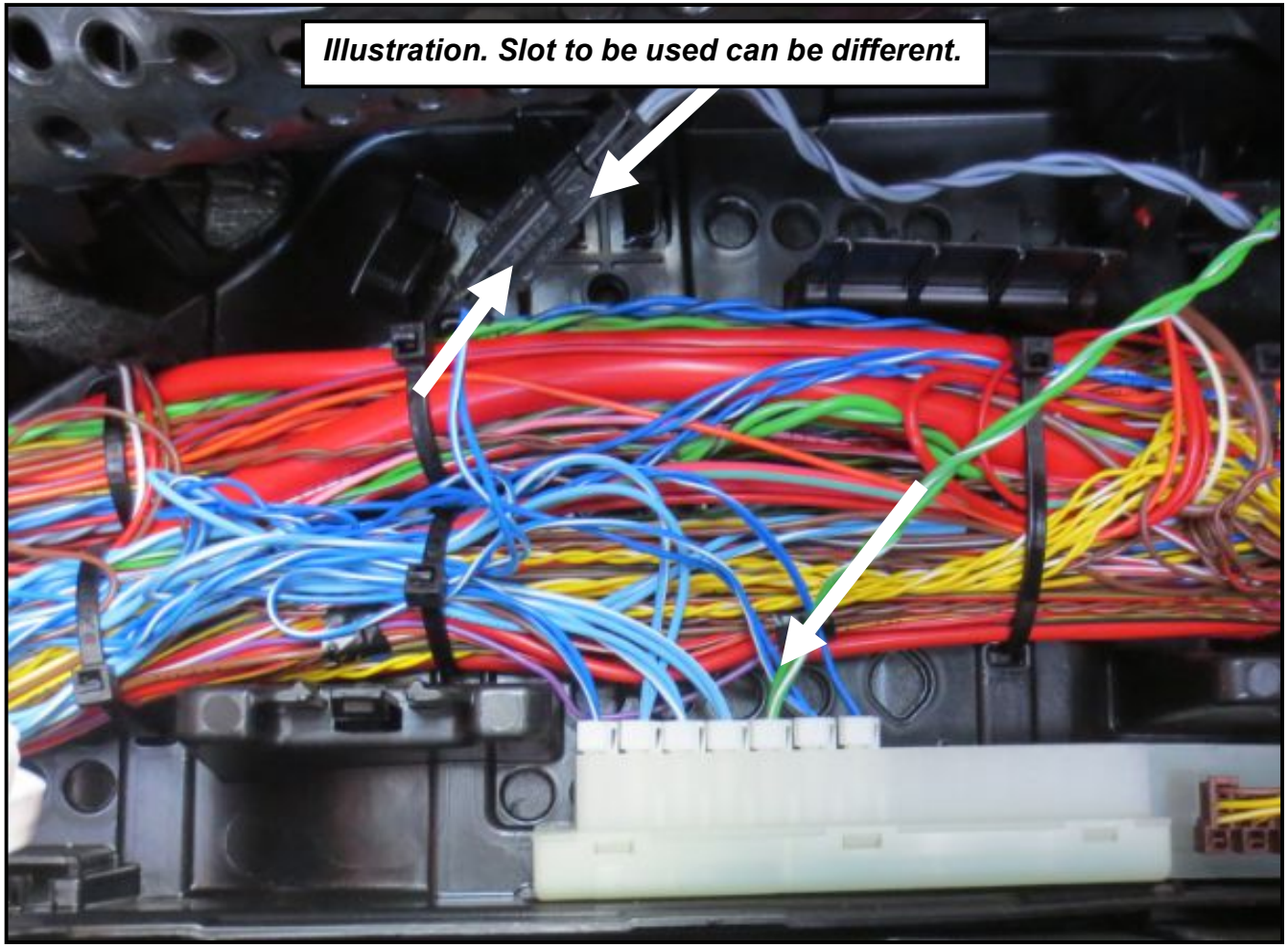






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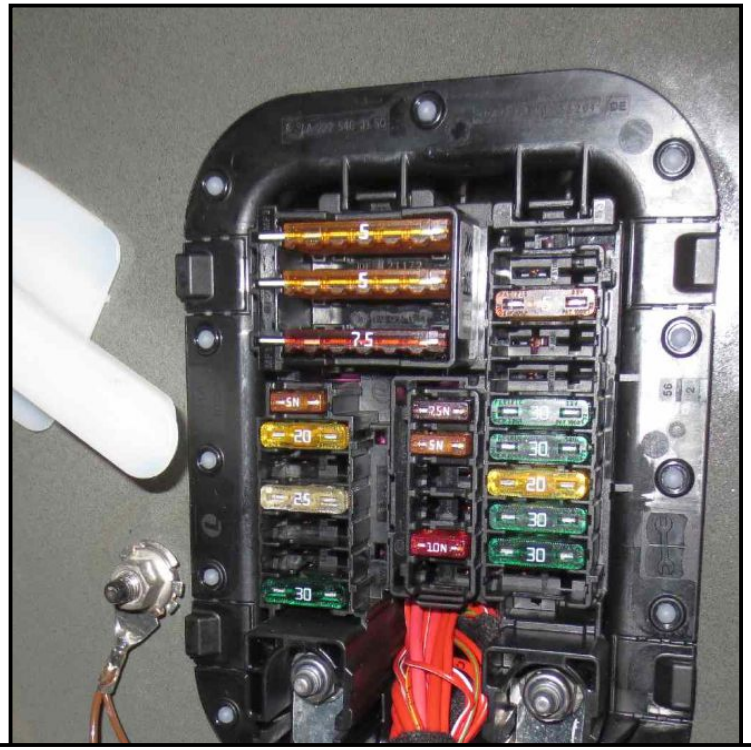
Remove the wires out of the 2 pole plug and attach these to the 2-pole black plug supplied. Connect the 2-pole plug to the 2-pole socket of the wiring harness (GY to BU / BU-WH to GY-BK). Attach the plug of the Brabus harness to the free slot of the CAN distributor.

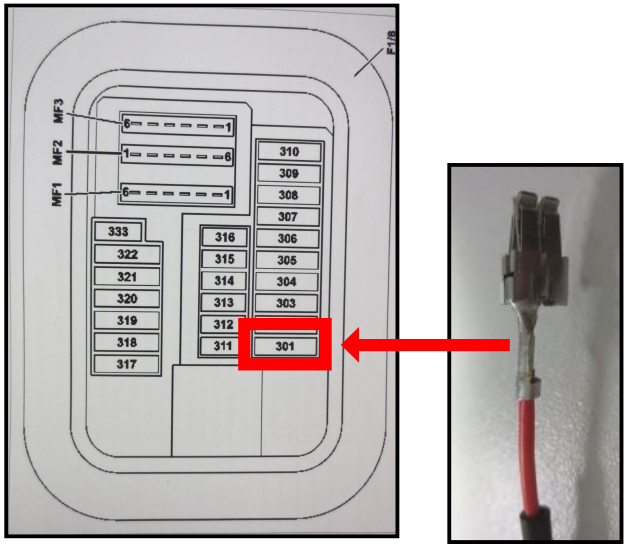


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Disconnect power supply wire at terminal shown and release the fuse port on the right side within footwell. Attach power supply wire of Brabus harness to slot 301 (fig.). Attach 5Amp fuse to fuse port.







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 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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