

B20 Performance-Kit for W/ S 213, E200CGI
213-B20-00

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.
Perform the assembly/ disassembly of standard Mercedes-Benz components according to Mercedes-Benz workshop information.

Brabus does not cover damages which occur due to improper installation, damaged contacts or inadequate isolation.

Included in delivery BRABUS:

1x PowerXtra control unit	UBZ153
1x CAN-wiring harness	CAN-755-05-K
1x Interior wiring harness	222-755-05-K
1x Engine bay wiring harness	278-755-05-K
1x Lettering „Brabus“	211-000-14
1x Set of powered by letterings	000-000-30





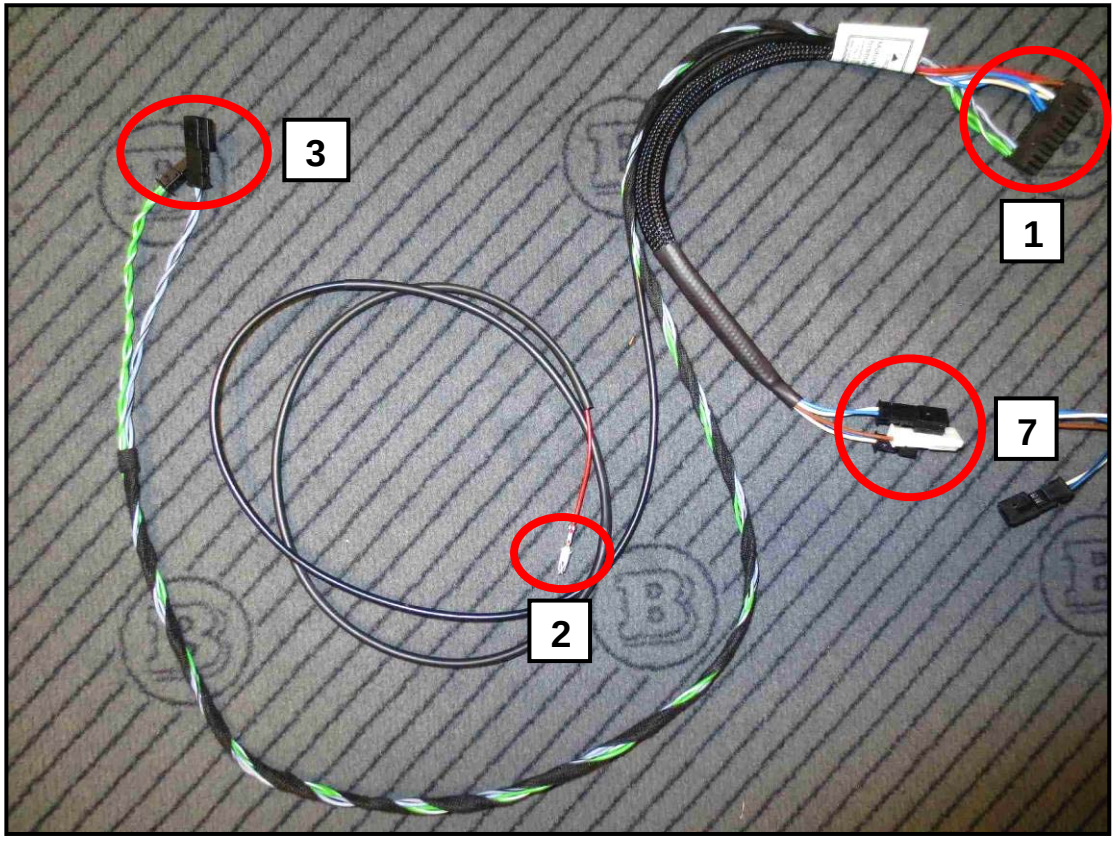


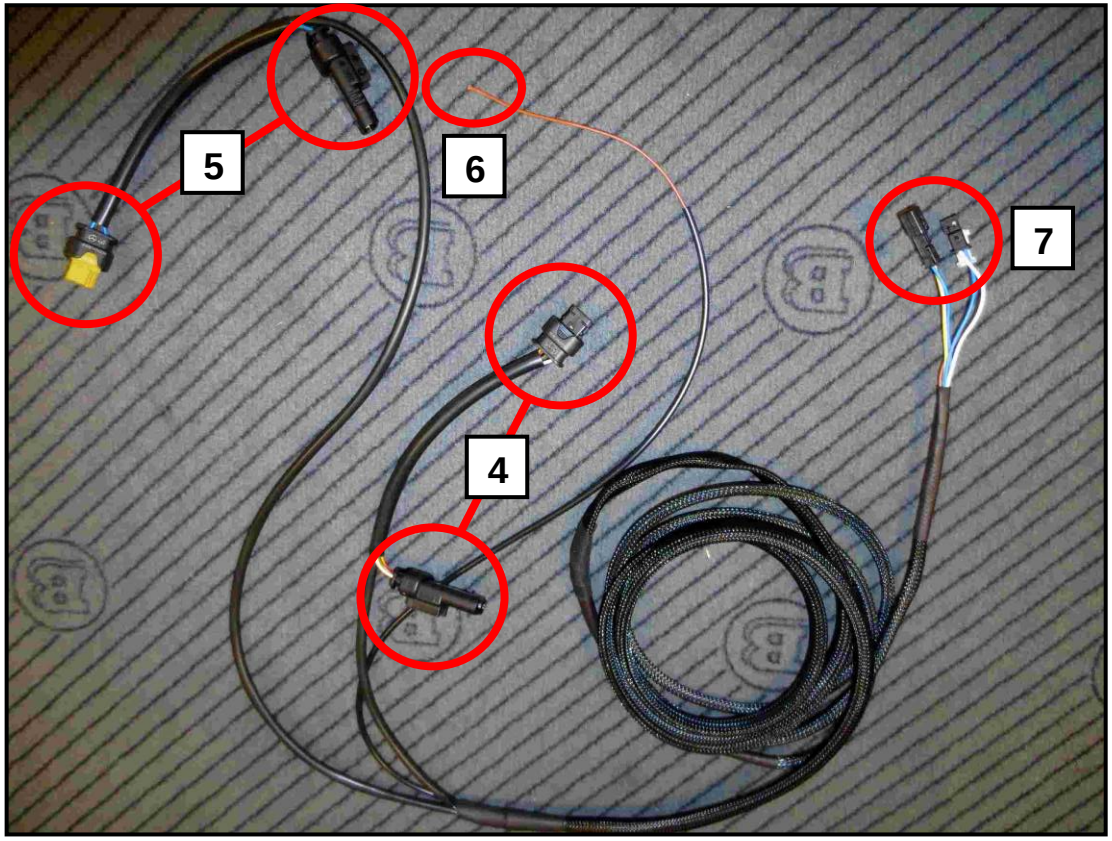


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Connections to be established:

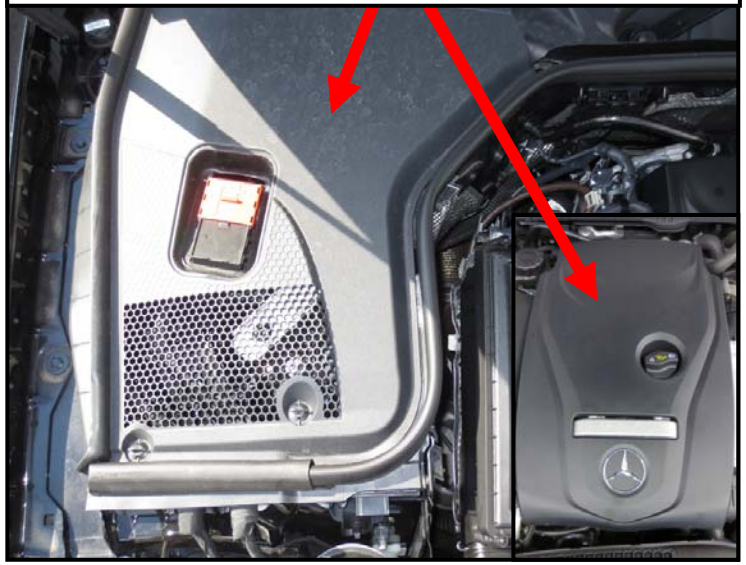
1- PowerXtra main plug
2- Power supply (red wire to power supply terminal within passenger footwell)
3- CAN-connectors
4- Charge pressure connectors
5- Intake pressure connectors
*6- Ground connector, to be soldered parallel to engine control unit plug **F**, PIN**2***
7- Connectors interior wiring loom to engine bay wiring loom



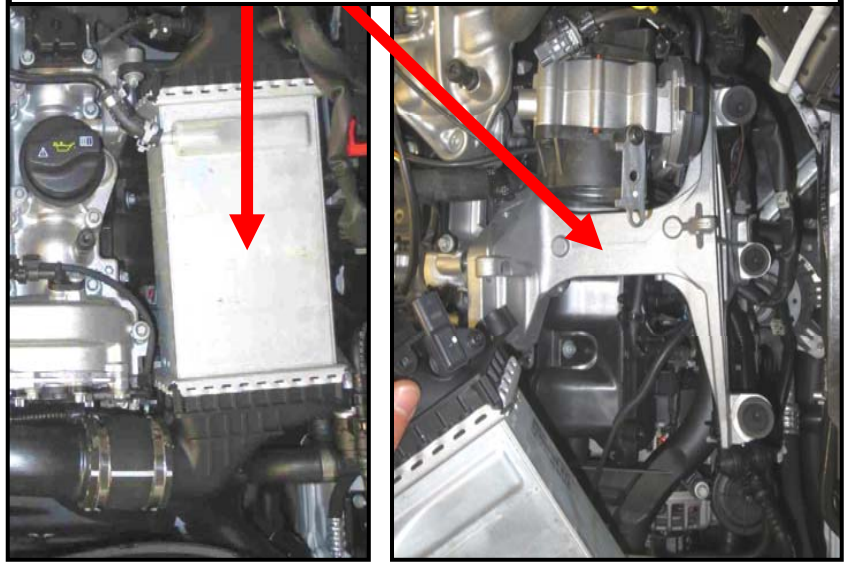


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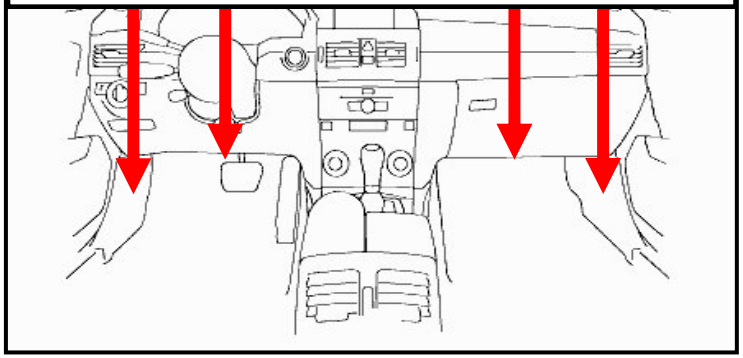
Remove plastic trims



Remove charge air cooler and carrier below



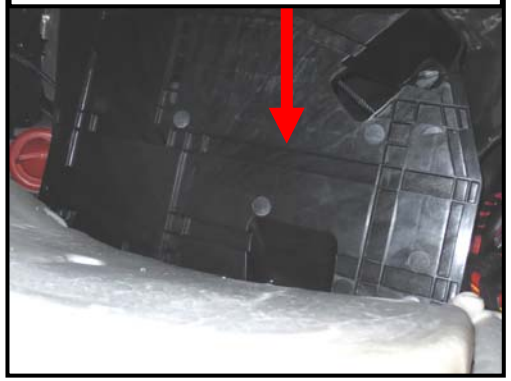
Remove entrance plastic trims and lower dashboard covers, fold up the left and right flooring



Remove interior airfilter and vehicle battery



Remove passenger plastic footrest below flooring



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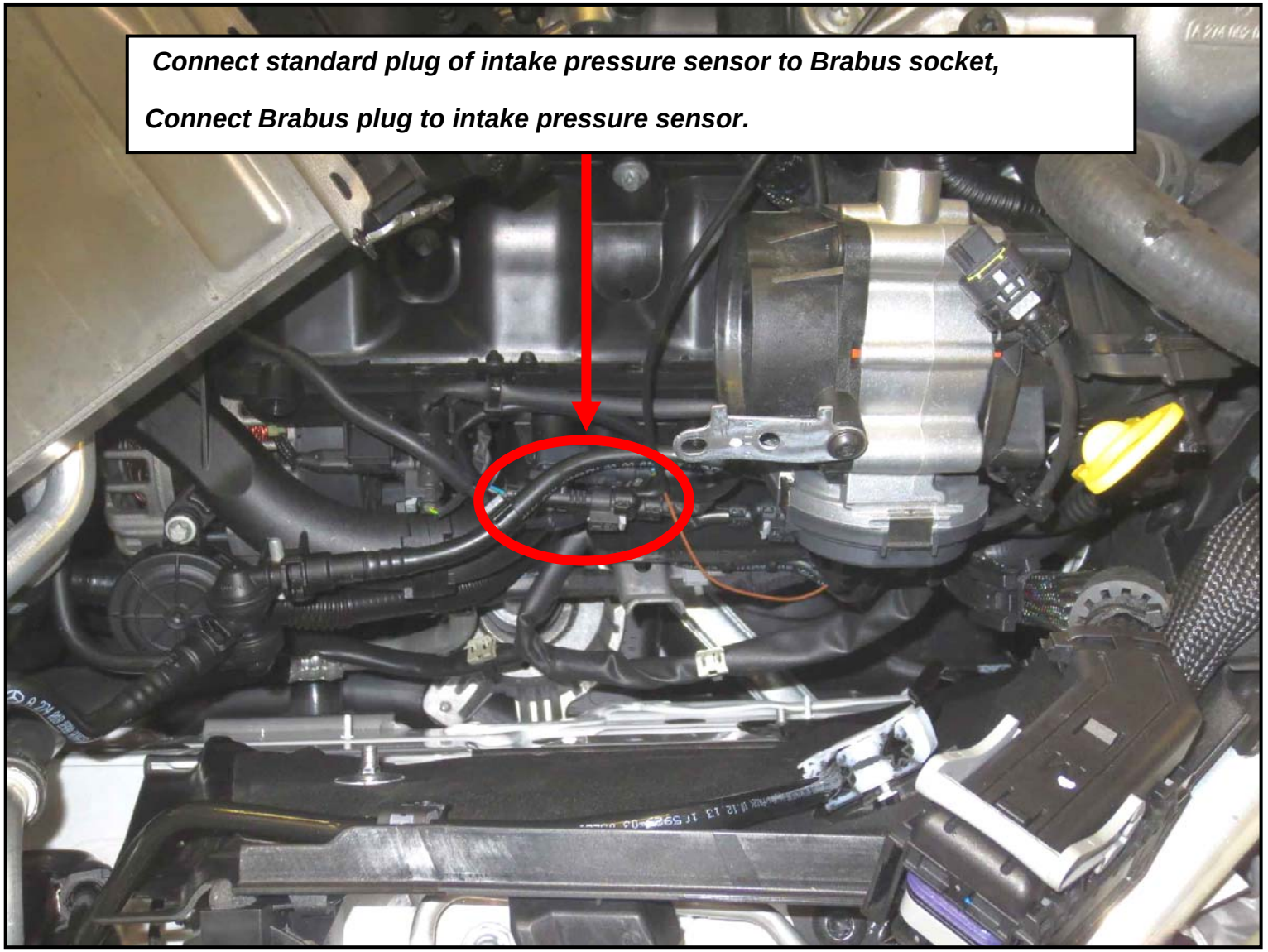
Connect standard plug of boost pressure sensor to Brabus socket,

Connect Brabus plug to boost pressure sensor.

Route the wiring loom to intake pressure sensor.



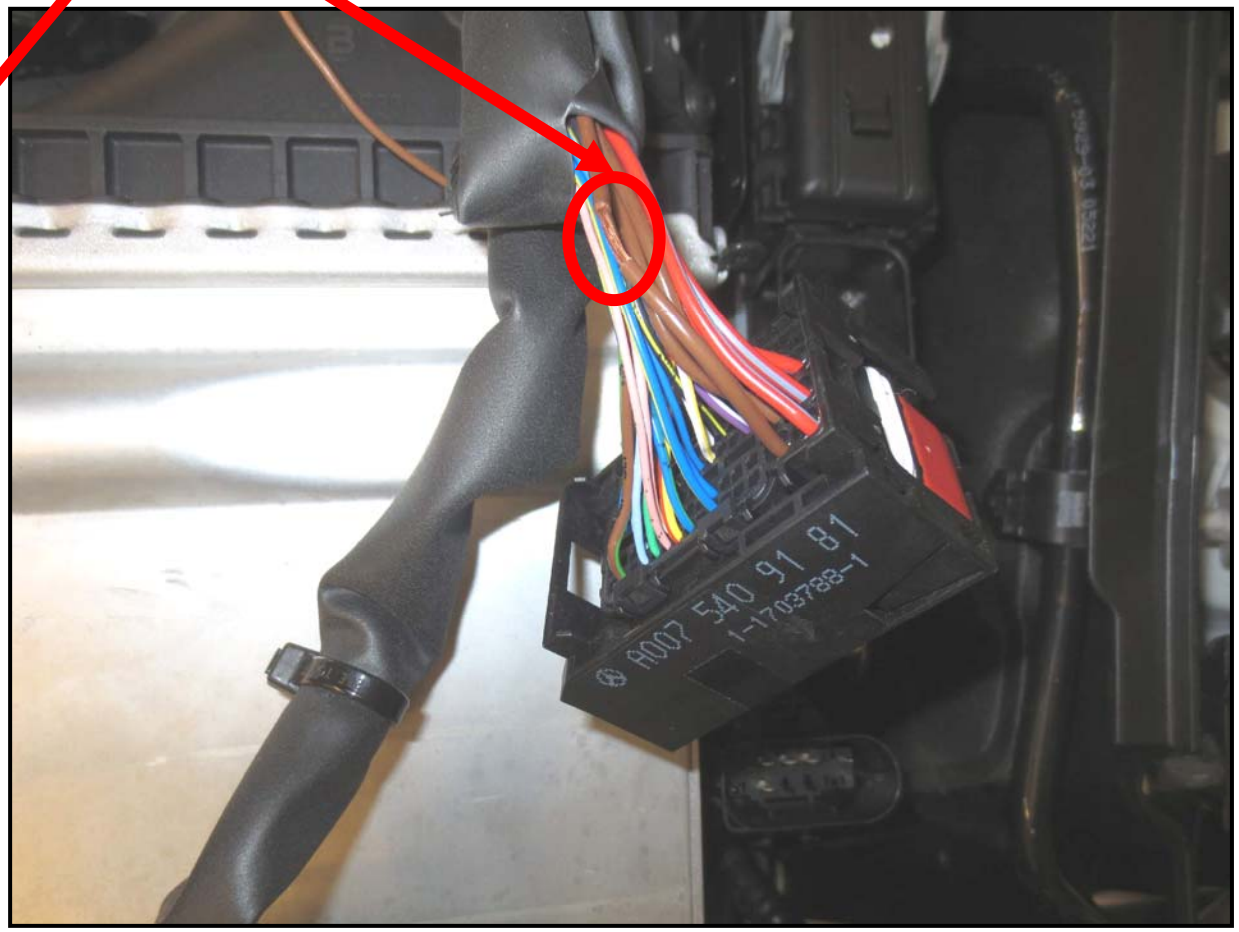
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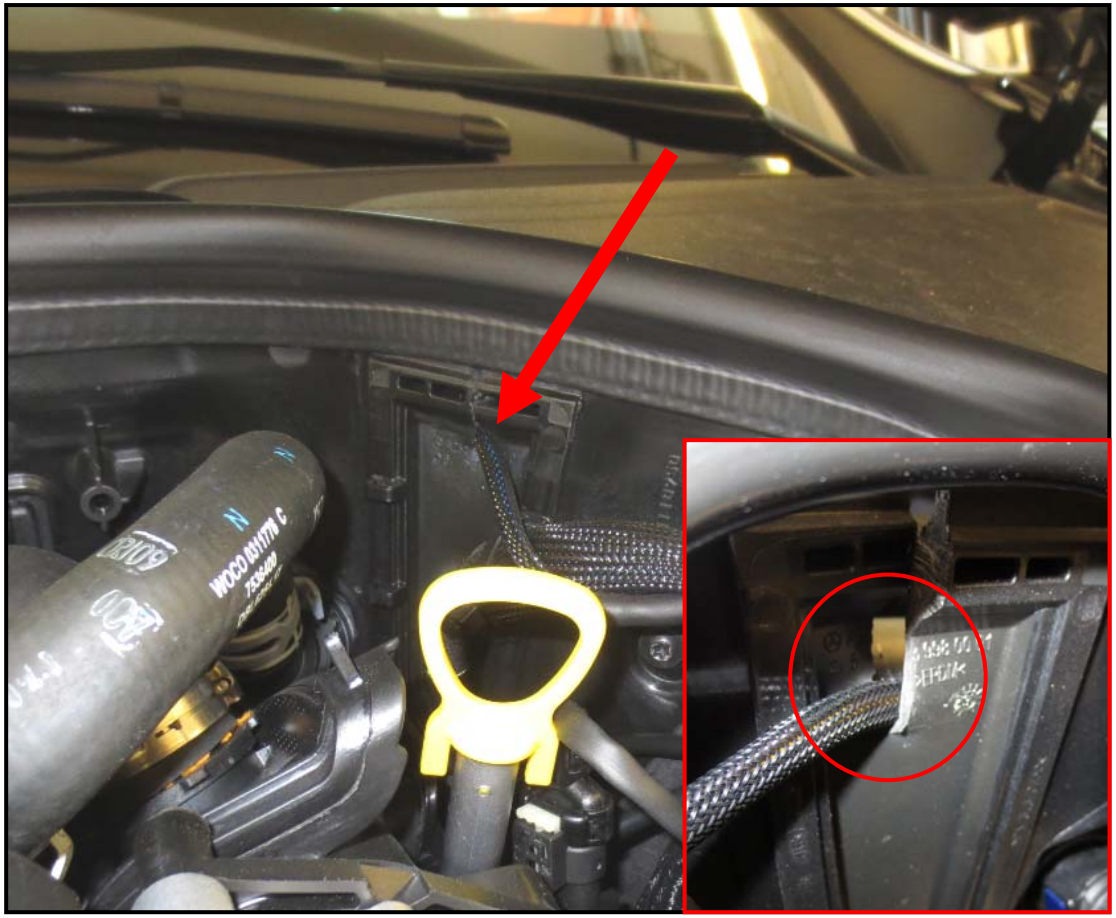
Disconnect plug „F“ of the engine control unit and remove the plastic cover, solder brown ground wire of engine bay wiring loom parallel to the wire out of slot 2. Sufficiently isolate soldered area.





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Route wiring harness through engine bay interwall by cutting plastic grommet shown and routing it through the rubber area of the grommet according to images below. Route wiring harness to right vehicle side.
Make sure it cannot come into contact to the wiper arms and fixate the wiring harness using cable ties.

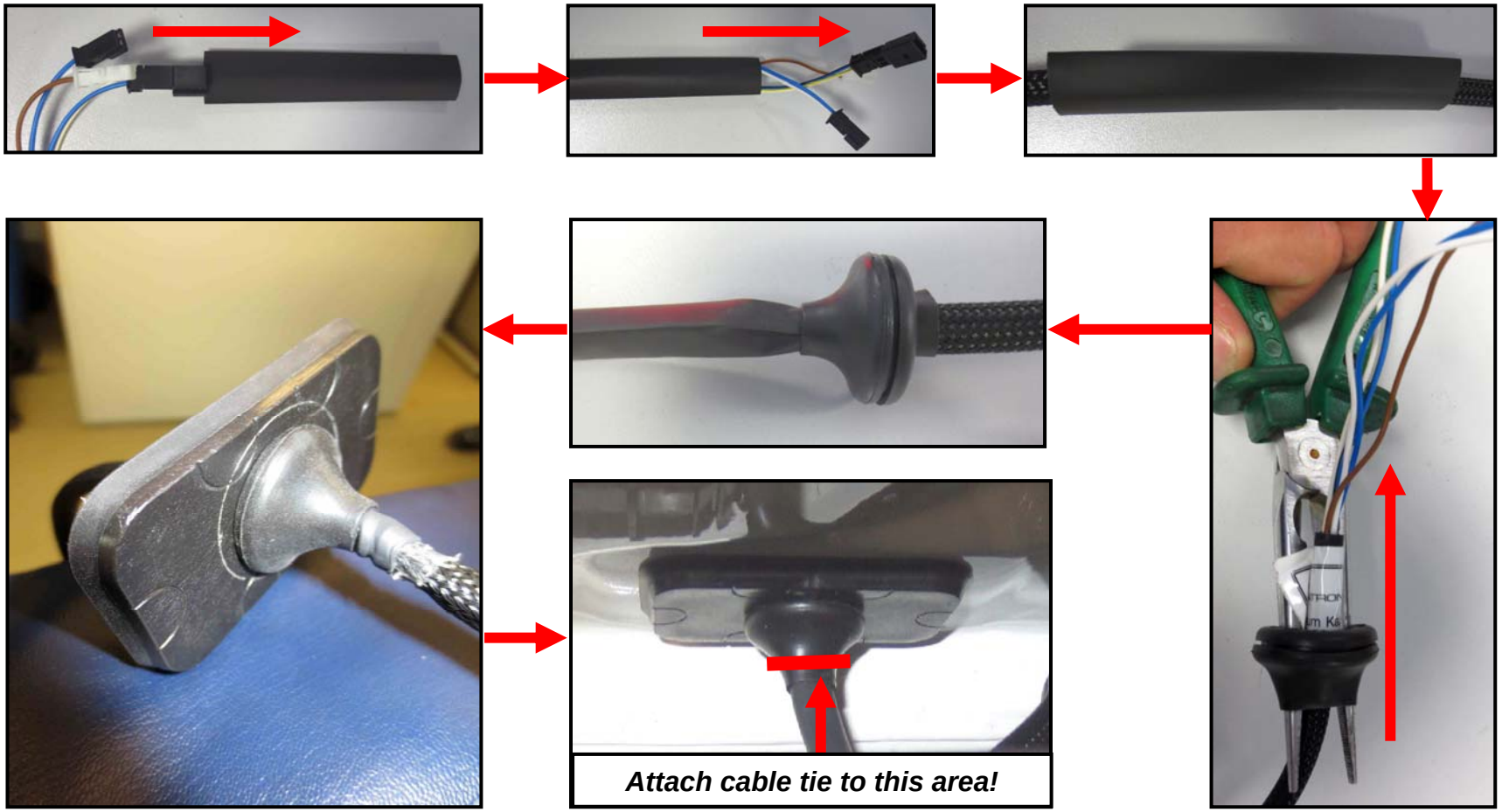




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Drill 22mm hole into plastic cover using a suitable drill (cone drill). Route engine bay wiring loom through heat shrink tube supplied (must be used between wiring loom and rubber grommet in order to have a tight implementation!). Route wiring loom through rubber grommet (extend!). Measure the wiring length within the engine bay, shrink the heat shrink tube using a hot air-fan. Route shrinked wiring loom area through rubber grommet and fixate it using a cable tie. Route wiring loom through plastic cover and attach the rubber grommet to the plastic cover. Re-attach the plastic cover.

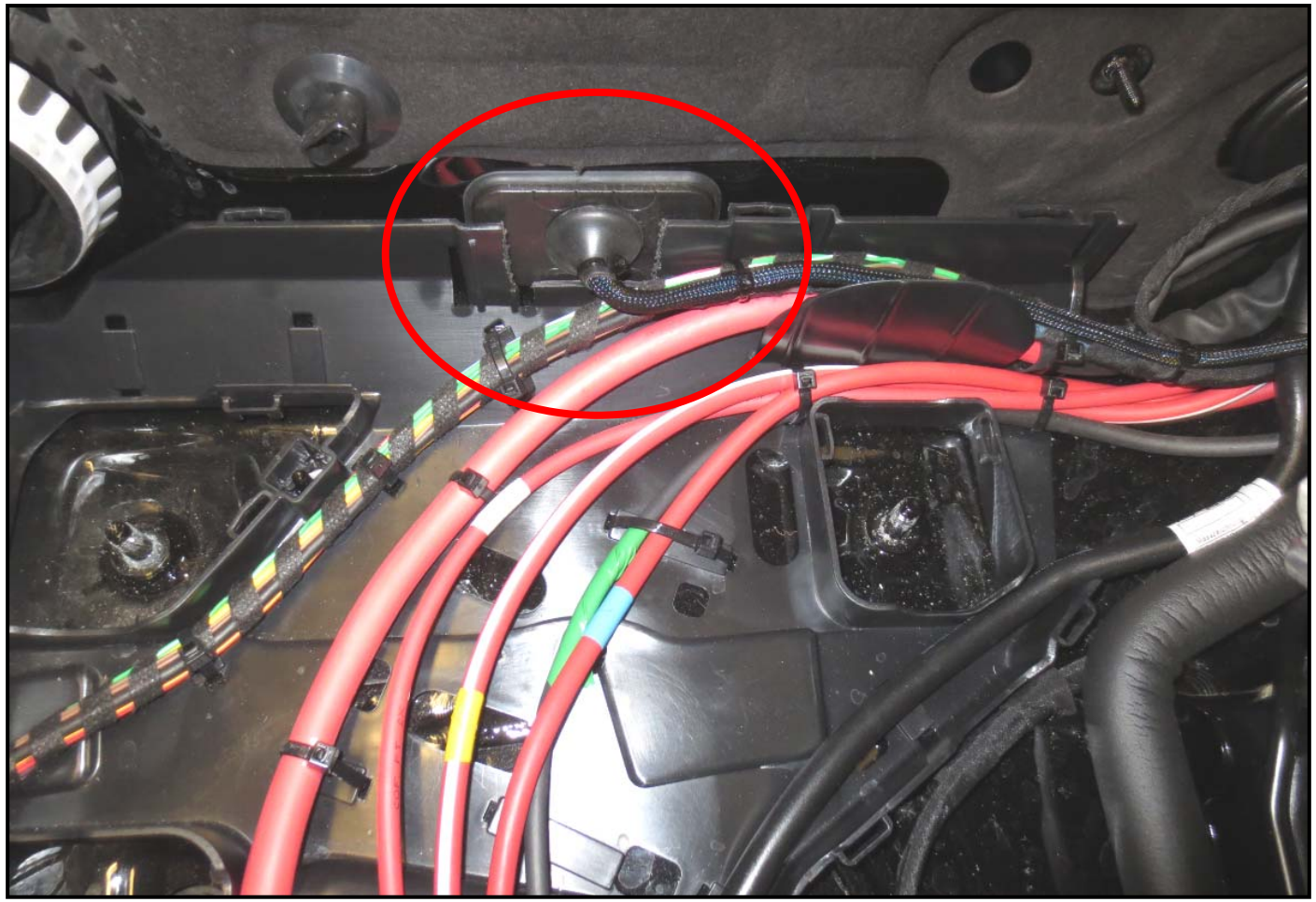
Make sure the implementation has securely been tightened!



Attach cable tie to this area!

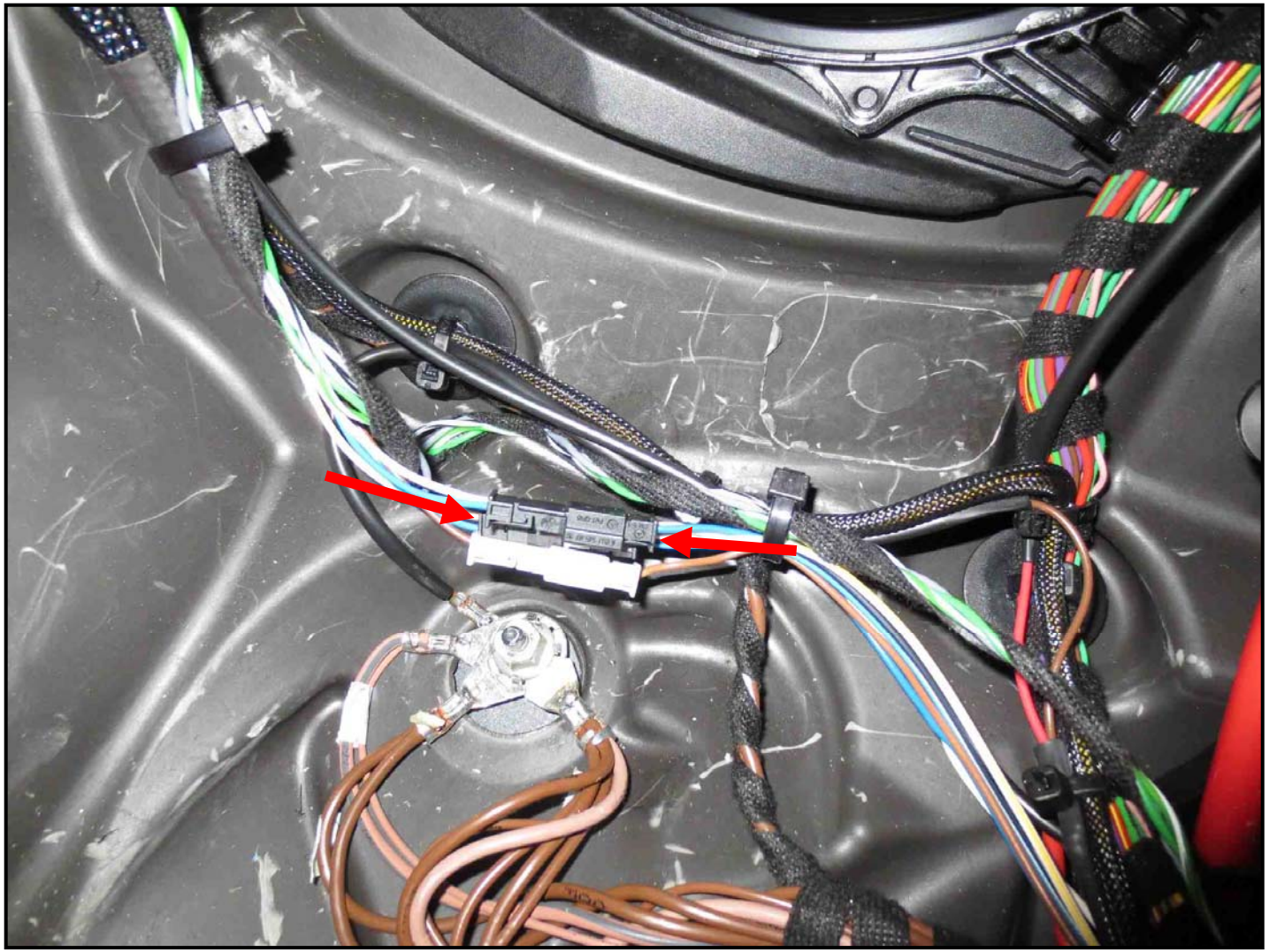
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Remove the battery support and the cable duct plastic cover, cut the area shown below out of the cable duct using a suitable tool in order to have sufficient clearance and avoid the wiring harness is kinked by the cable duct.



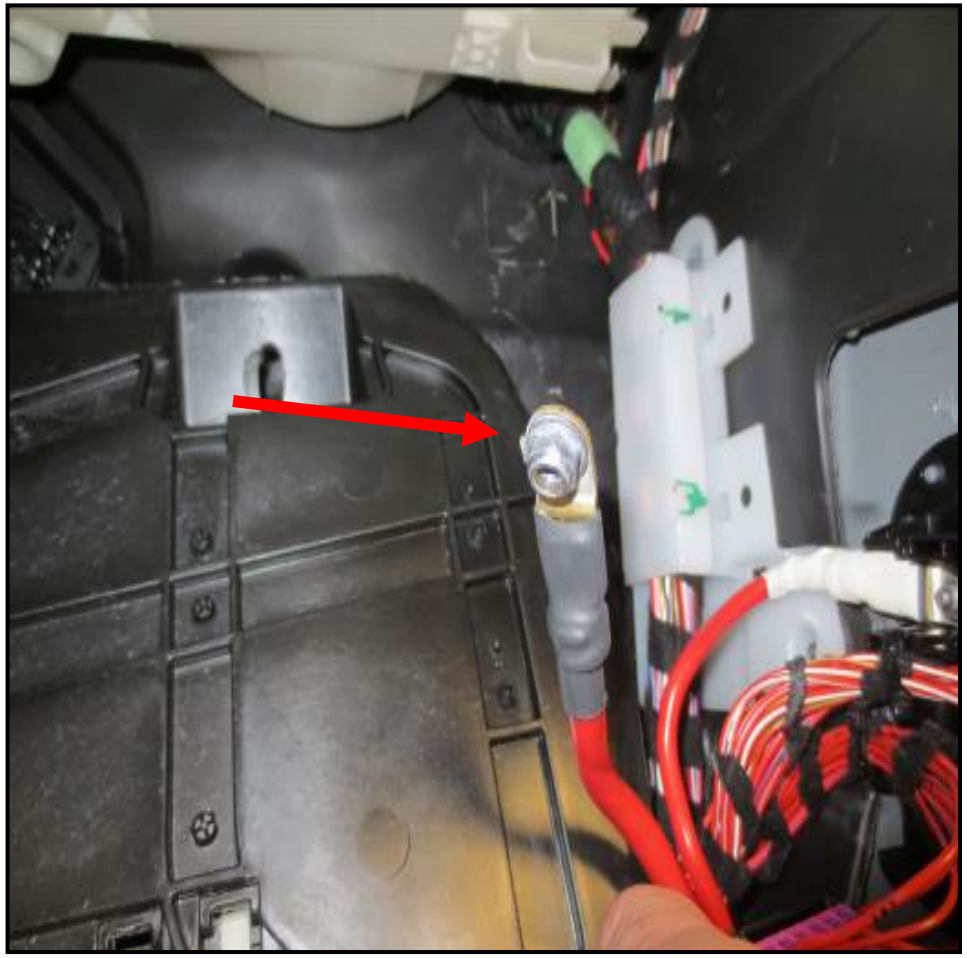
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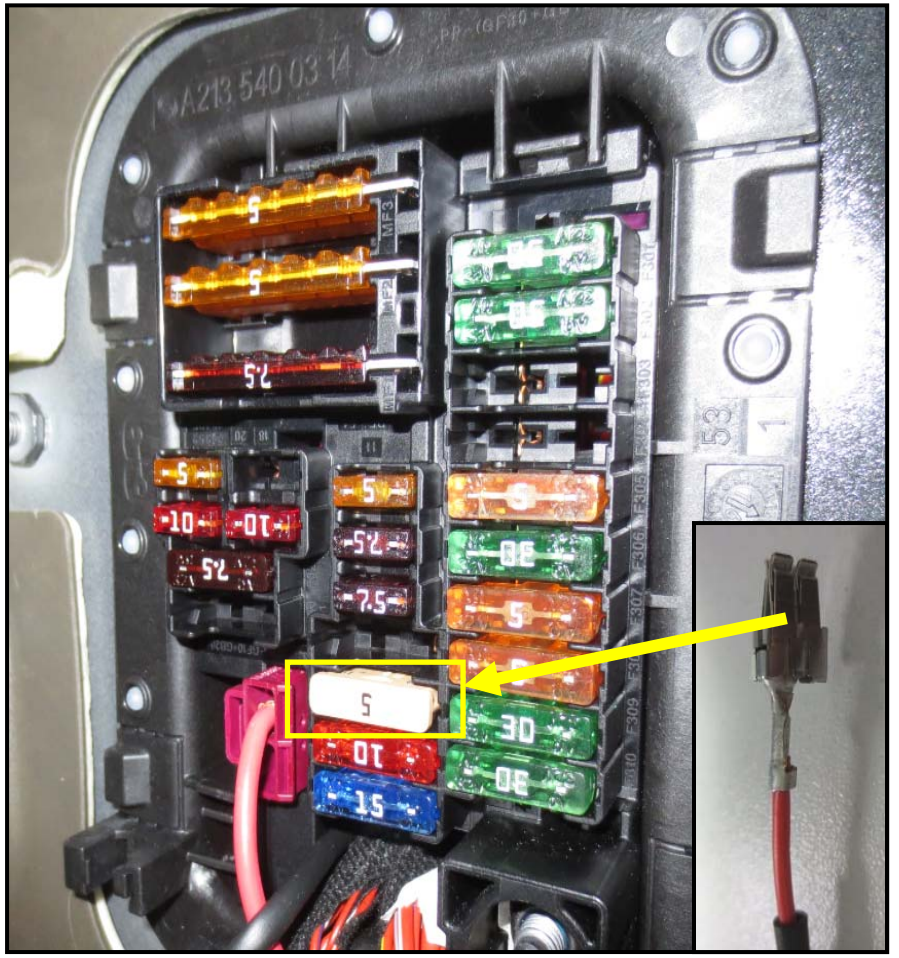
Connect engine bay wiring loom to interior wiring loom within passenger footwell.



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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 shown (constant power supply). Attach 5Amp fuse to fuse port.





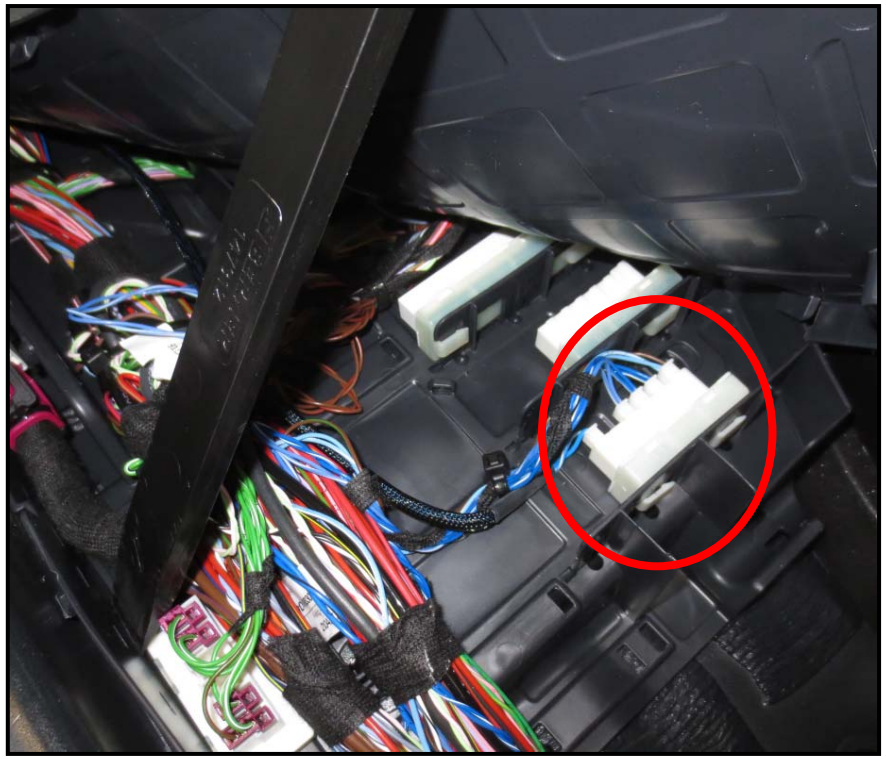
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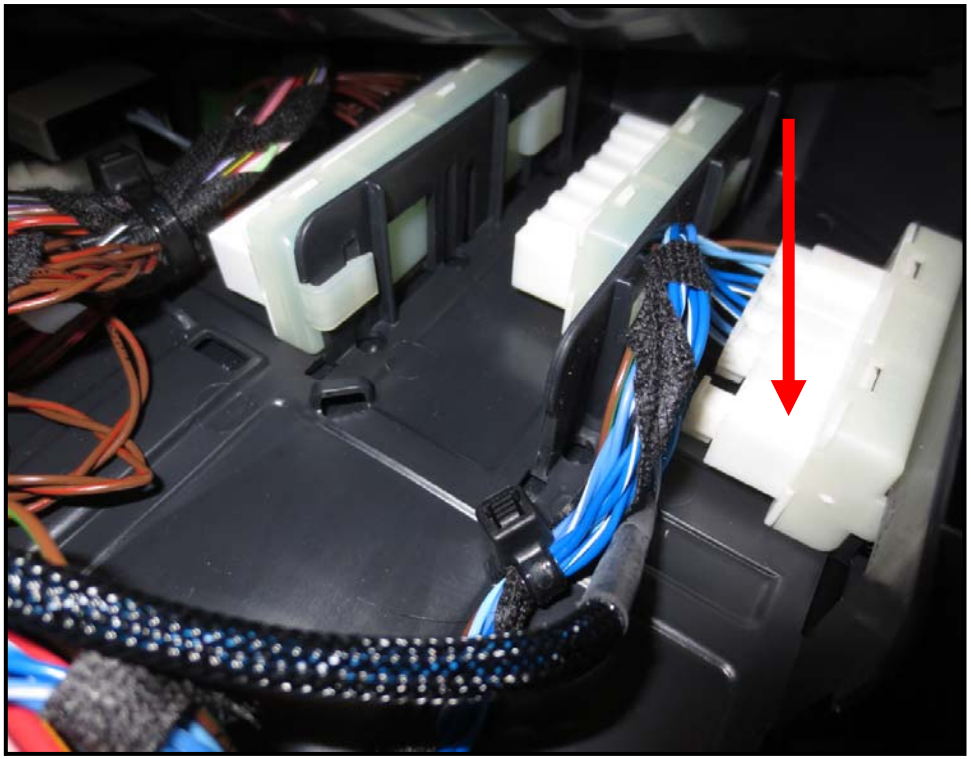
Connect PowerXtra plug to PowerXtra control, Fixate PowerXtra control unit within passenger footwell at position shown (below footrest) within image below using velcro tape supplied.



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Connect CAN wiring harness CAN-755-05-K to interior wiring harness. Route CAN wiring harness to the left vehicle side (below dashboard) and to the CAN distributor shown (wires bu/ bu-wh).
Route it down the left a-pillar and behind/ below flooring.
Attach the plug of the wiring harness to a free port of the CAN distributor.





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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 erase faults which may have occurred during installation.
Perform a test-drive.

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