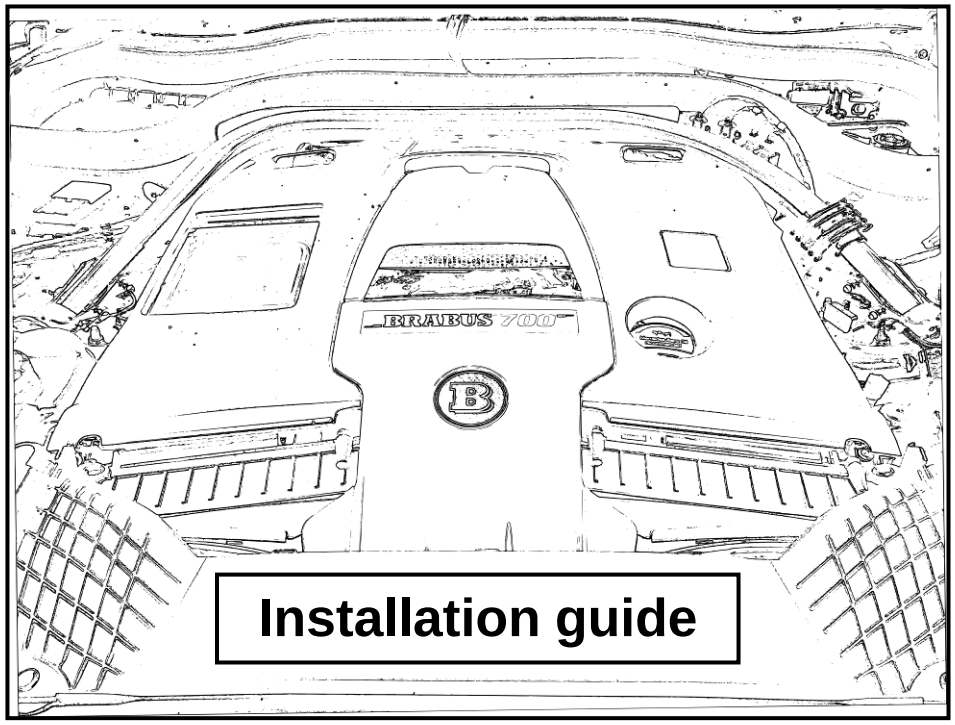
Performance-kit B40-700 for W463-G63 from My 2019, article-number 464-B40-700-10-240

BRABUS



Installation guide

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 perform 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-S control unit	*000-CGI-02*
1x Wiring harness incl. 5Amp fuse	*464-740-15-K*
1x Brabus-typing	*211-000-14*
1x Set of powered by letterings	*000-000-30*
1x Unlocking tool	*190-740-05-W*
1x Brass plate 65x65mm	*000-738-82*
1x Alloy bezel "B40-700"	*000-B40-700*

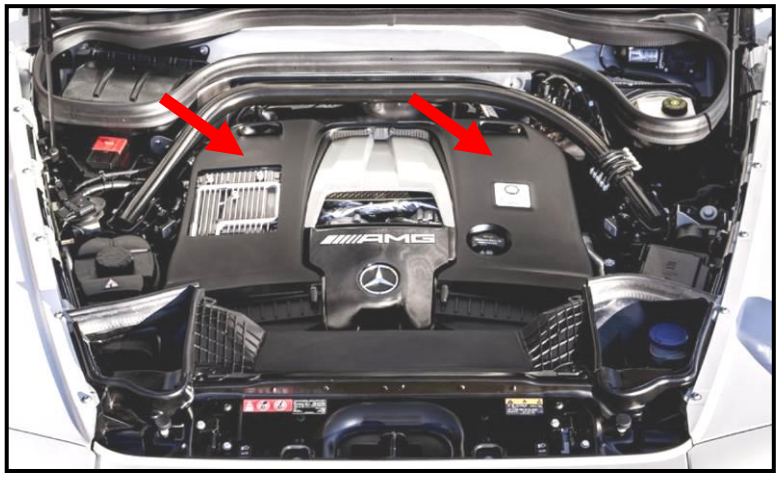
Vorbereitende Maßnahmen:

- Disconnect ground wire from vehicle battery below flooring within boot compartment. Loosen the drawbar eyes to be able to access the vehicle battery.

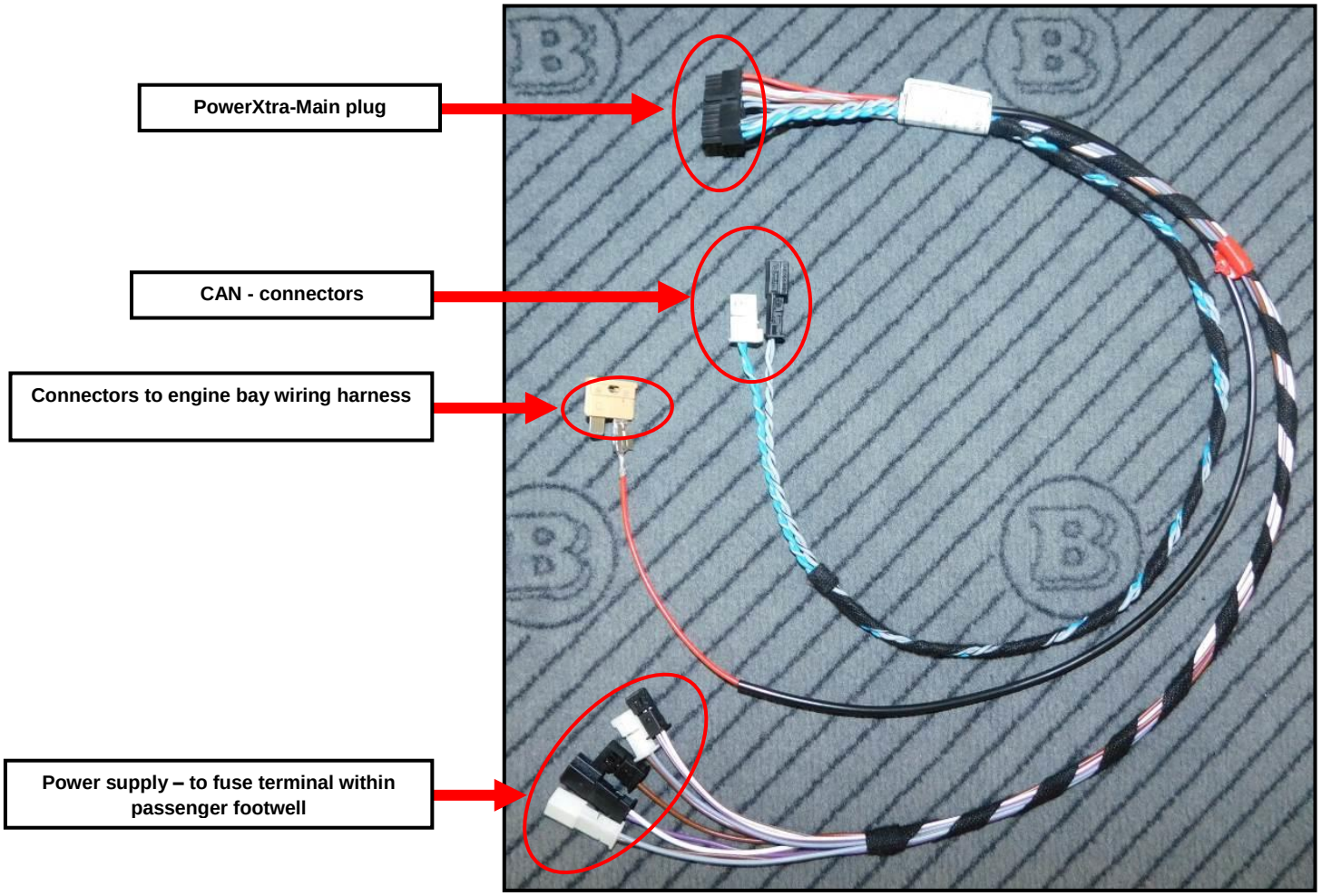
- Open bonnet, remove plastic engine covers.

- Disassemble the driver's side plastic entrance trim according to Mercedes-Benz workshop instructions.



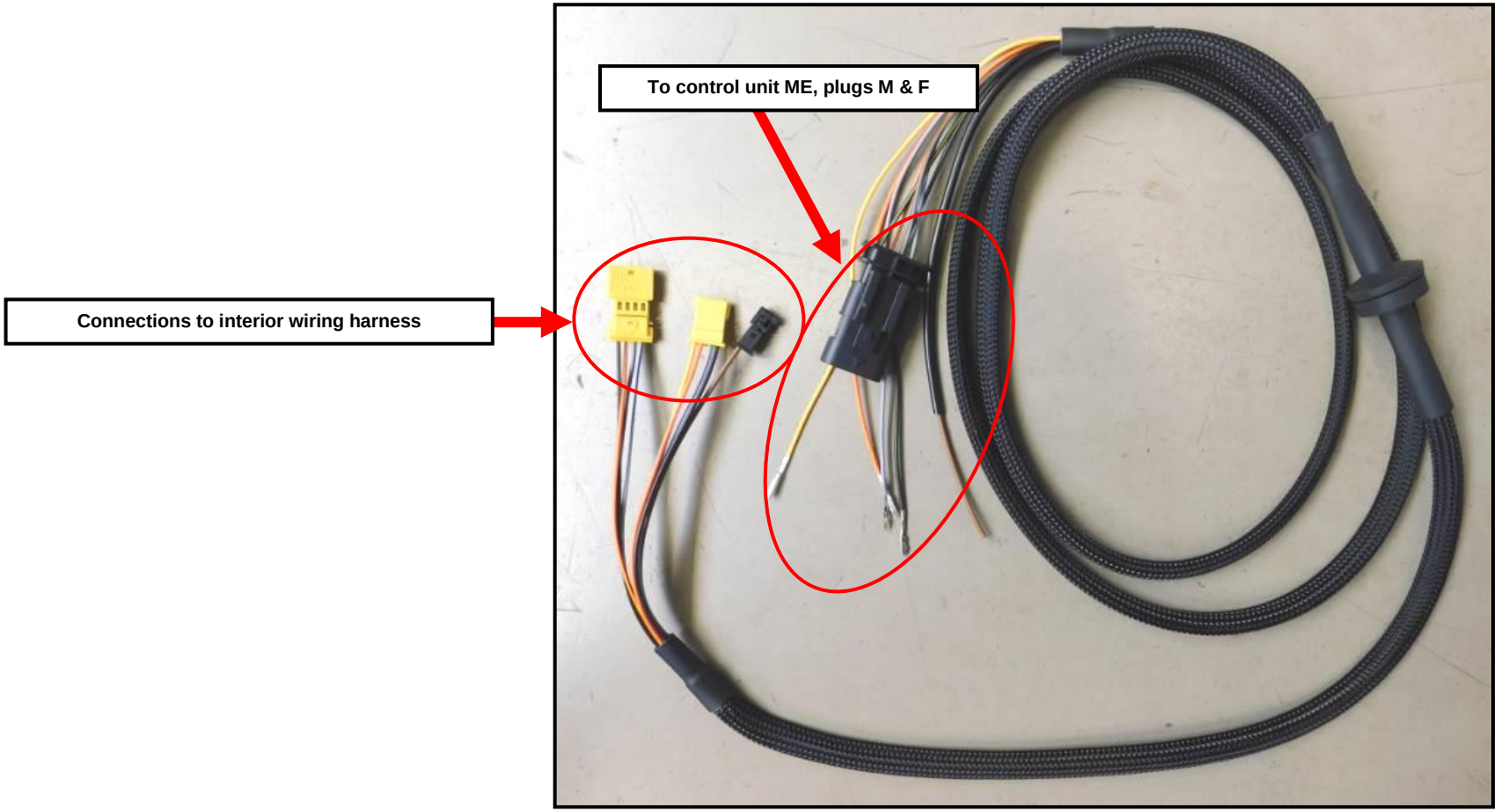


Electrical connections overview of interior wiring harness:

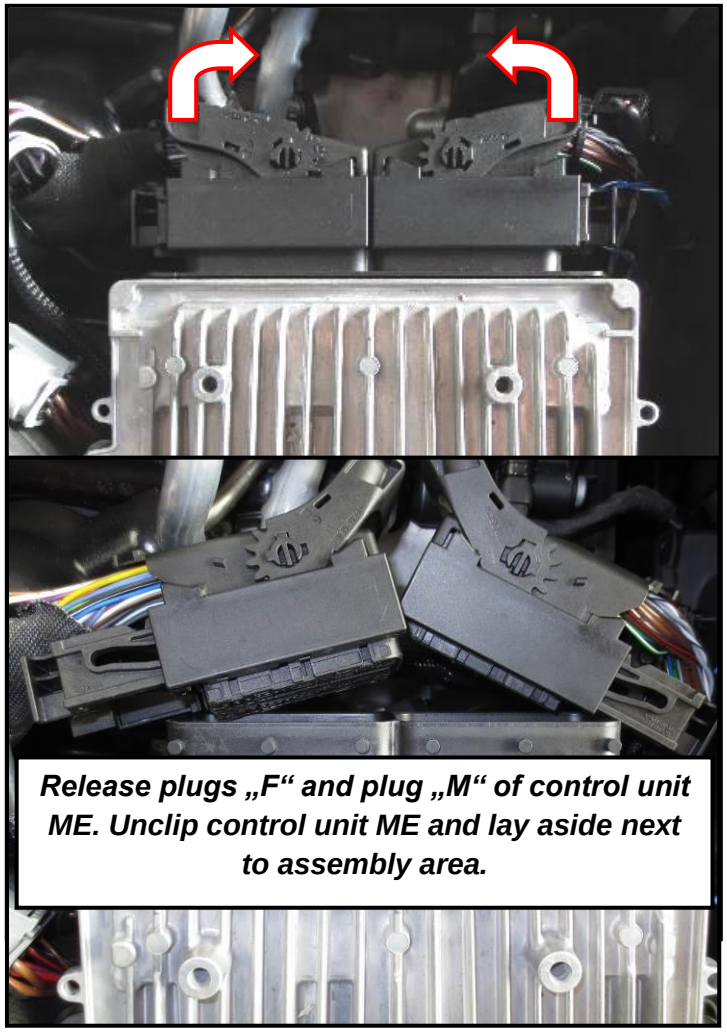


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Electrical connections overview of engine bay wiring harness:



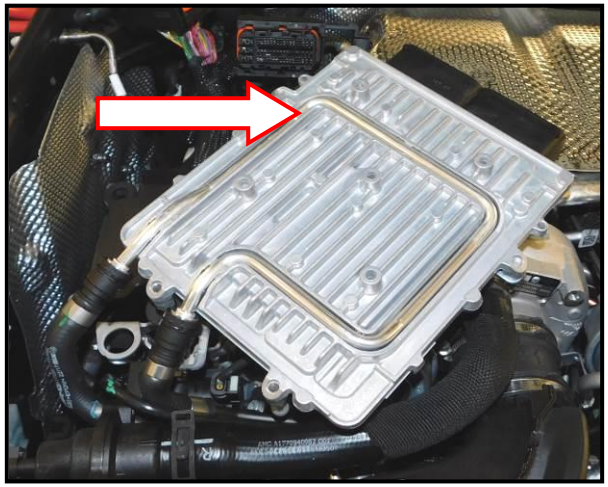
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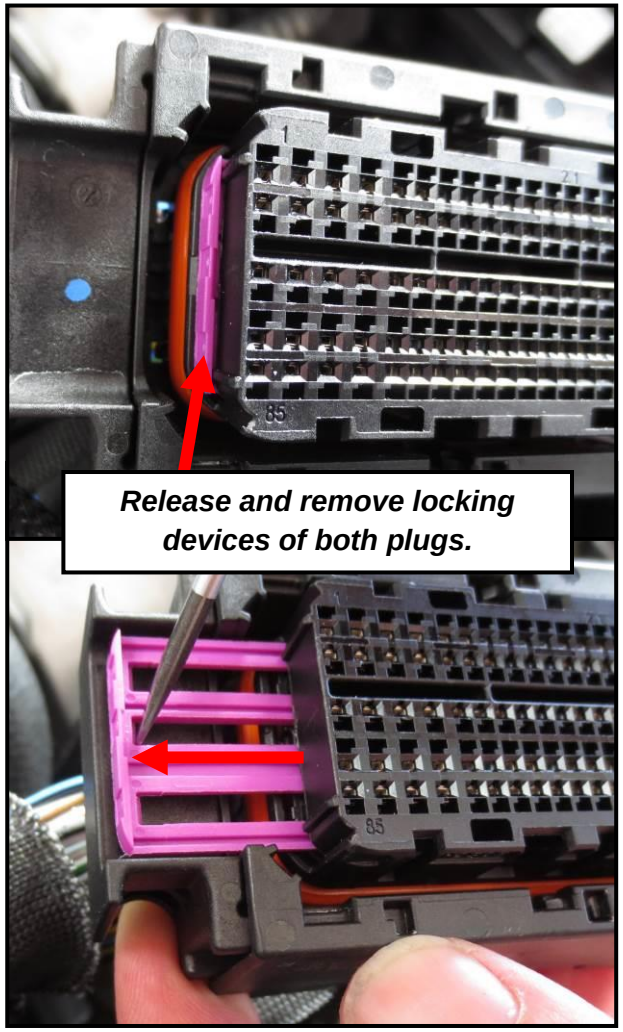


Release plugs „F“ and plug „M“ of control unit ME. Unclip control unit ME and lay aside next to assembly area.



Carefully release at position shown and remove plastic caps of plugs „F“ and „M“.





Release and remove locking devices of both plugs.

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Electrical connections within engine bay:

- *Release and remove standard wires marked of plug „M“ (slots 40, 33, 55, 32) one after the other using unlocking tool supplied and attach to 4-pole plug supplied (according to illustration).*
  Do not release all 4 wires at once as each two wires are of the same color coding - risk of interchanging!
  Make sure not to damage/ deform the pins when unlocking!

Unlock the following wires of plug „M“:

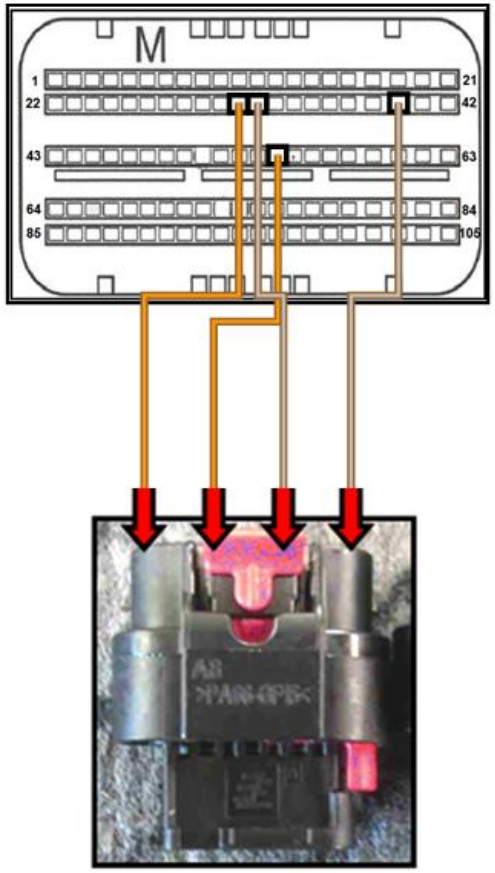
- *Left pressure sensor behind throttle valve (B28/22), BN/GY, slot 40*
- *Left pressure sensor in front of throttle valve (B28/20), BN/GY, slot 33*
- *Right pressure sensor behind throttle valve (B28/23), BN/OG, slot 55*
- *Right pressure sensor in front of throttle valve (B28/21), BN/OG, slot 32*

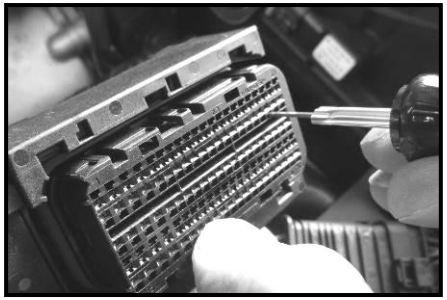
Attach the wires to 4-pole plug as follows,
make sure for proper latching!

- *Wire out of slot 40 (BN/GY) to slot 1*
- *Wire out of slot 33 (BN/GY) to slot 2*
- *Wire out of slot 55 (BN/OG) to slot 3*
- *Wire out of slot 32 (BN/OG) to slot 4*

Connect 4-pole plug to 4-pole socket of Brabus engine bay

wiring harness.





Kabelfarben nach *IEC 60757* Wire colors according to *IEC 60757*	
Braun Brown)	BN
Rot (Red)	RD
Orange	OG
Gelb (Yellow)	YE
Grün (Green)	GN
Blau (Blue)	BU
Violett (Purple)	VT
Grau (Grey)	GY
Weiß (White)	WH
Rosa (Pink)	PK
Türkis (Cyan)	TQ

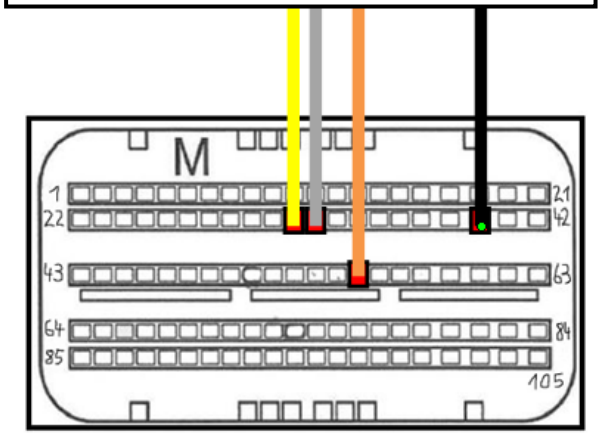
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- *Attach wires of Brabus engine bay wiring harness to the red marked slots (40, 33, 55, 32) of control unit plug “M”.*

Attach the wires as follows:

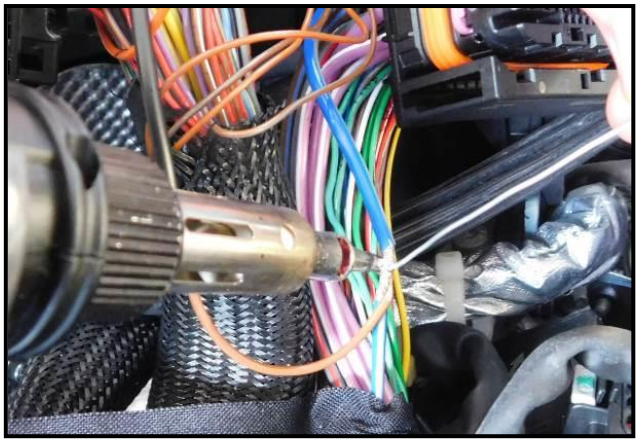
- *BK to slot 40*
- *GY to slot 33*
- *OG to slot 55*
- *YE to slot 32*

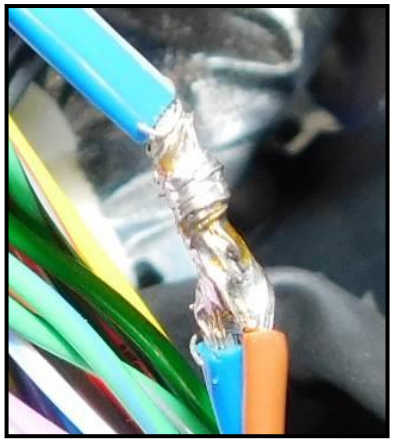
Brabus engine bay harness

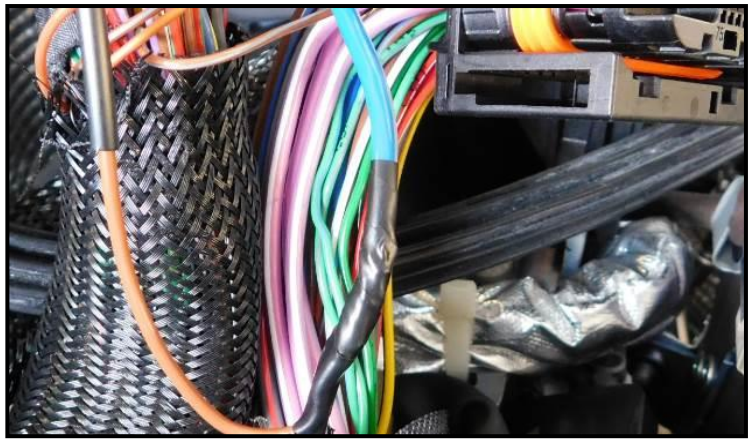


- *Urgently make sure for proper latching of wires within control unit plug „M“!*
  Re-attach the plug locking and re-assemble plug „M“.

- *Solder brown wire of Brabus engine bay wiring harness parallel to the wire out of slot 1 of plug „F“ (brown-blue). Do not just wrap the wire around the standard wire!*
  Sufficiently isolate the soldered area.
  Do not connect to any other ground terminal! Re-attach the plug locking and re-assemble plug „M“.

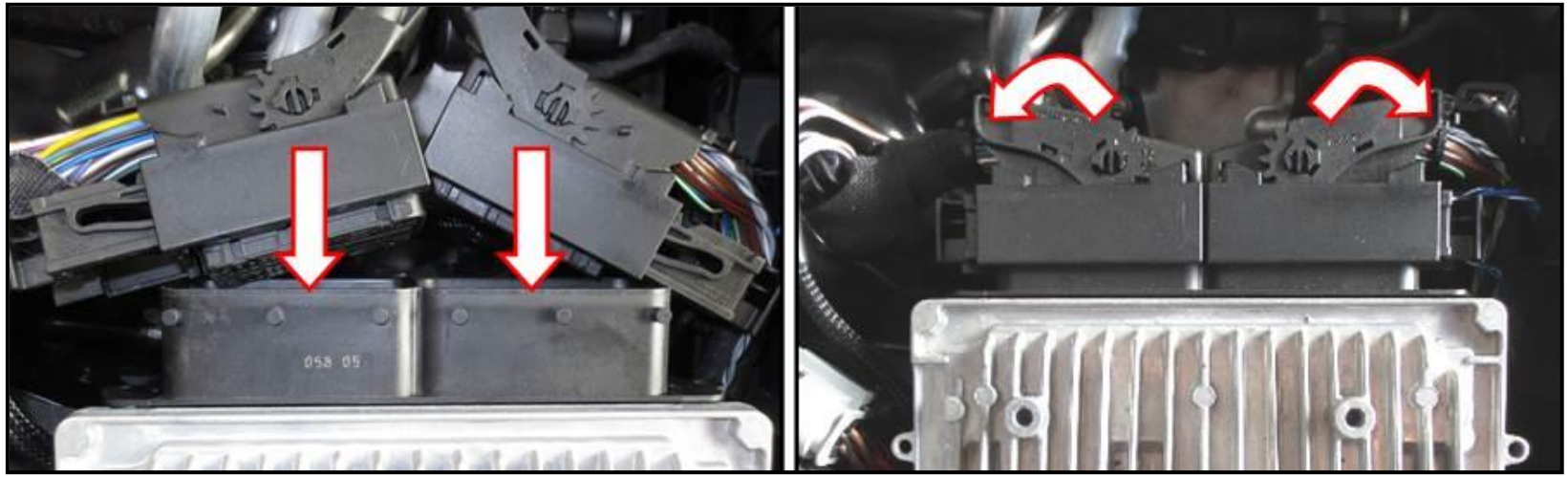






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- *Attach the completed plugs back to control unit ME and lock them. Clip control unit ME back into the brackets.*



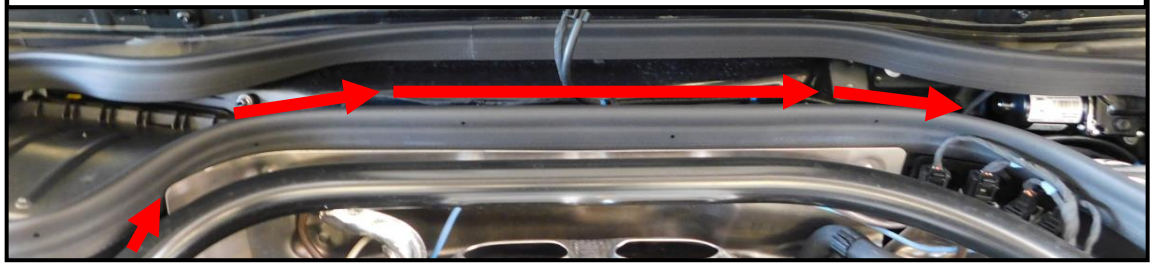
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- *Route wiring harness through the gap between the plastic panels shown. Enlarge the gap for sufficient clearance. Route wiring harness to left vehicle side and fixate it on the standard wiring harness using cable ties. Remove the rubber plug and lead the connectors for the interior wiring harness through the bulkhead hole into the vehicle. Connect the engine bay wiring harness to the interior wiring harness. Attach rubber plug of the wiring harness to the bulkhead hole.* ***At right hand vehicles drill a hole (18mm) into the bulkhead according to image framed red using a suitable cone drill and route the wiring harness into the vehicle.*** *Make sure the rubberized area of the wiring harness is inside the rubber plug in order to avoid water can intrude the vehicle.*

Route wiring harness below rubber strip, through gap between plastic panels.

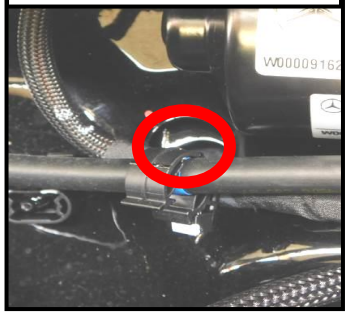


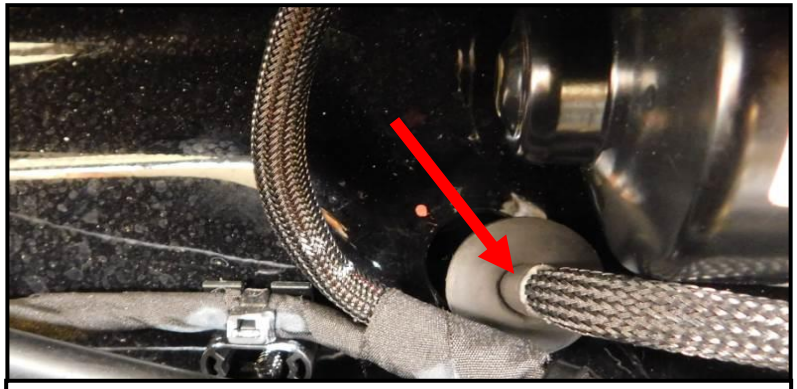
Route wiring harness to implementation. Fixate with cable ties.





Remove rubber plug.





Route wiring harness through bulkhead hole into vehicle. The rubberized area must be inside the rubber grommet in order to avoid water can intrude the vehicle.

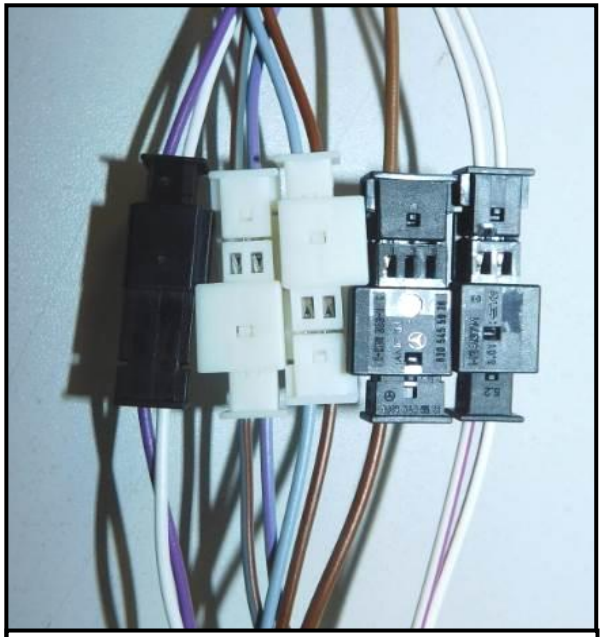


-

Route wiring harness to fuse and relay box K40/6 within left footwell.

Attention:

The wiring harness may definetely not touch the steering column or the pedalry and may not be routed along these components or be able to block their functions! Make sure for sufficient clearance!



Connect engine bay harness to interior harness (connections cannot be interchanged).

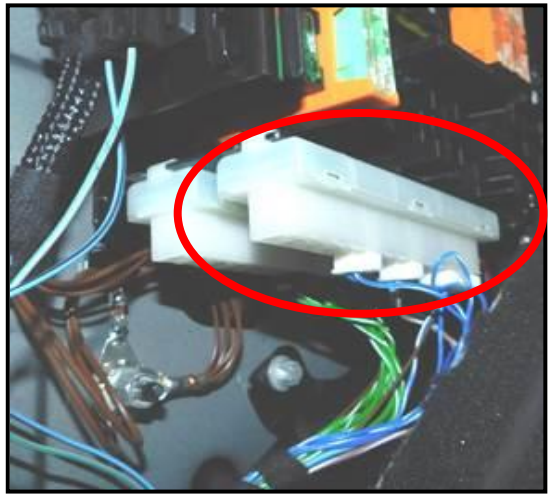


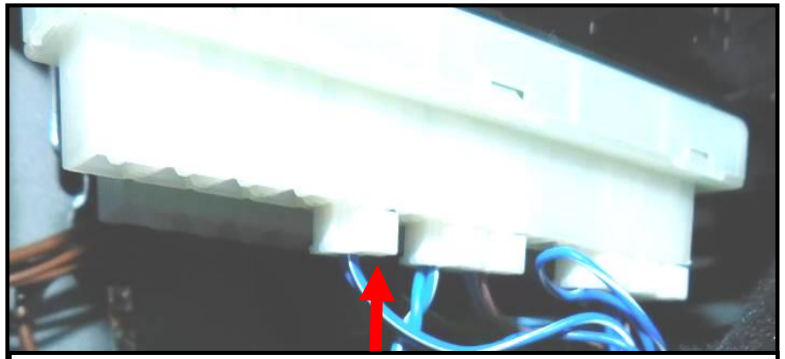
Route wiring harness down along bulkhead behind insulating material.



Connect wiring harness to control unit and fixate control unit at position shown using velcro tape supplied.

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Attach CAN plug to free port of CAN distributor X30/21.

The plug connection with wire colors gy/ gy-bk is not used.



Loosen fuse and relay box driver side K40/6 according to WIS document AR54.15-P-0003XG and fold aside.



Attach power supply contact from behind to fuse port shown. Attach 5Amp fuse to fuse port.

Assemble all plastic trims and covers, check the wiring harness for proper routing. Connect ground wire to vehicle battery. Check the fault store of the engine control unit and delete faults which might have occurred during installation. Start engine and perform a test-drive.

PowerXtra is ready to run after installation, there are no further adaptations/ adjustments to be performed. The blinking blue LED indicates PowerXtra is activated.

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