***Performance-kit D40 for W/X 167, GLE- & GLS 400d***
***167-D40-00***
***Engine type OM 656***

# 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 perform the installation.*
*Therefore you have to read and completely understand these instructions. Check the content of the parts supplied as detailed next page prior to assembly.*

***Included in delivery:***

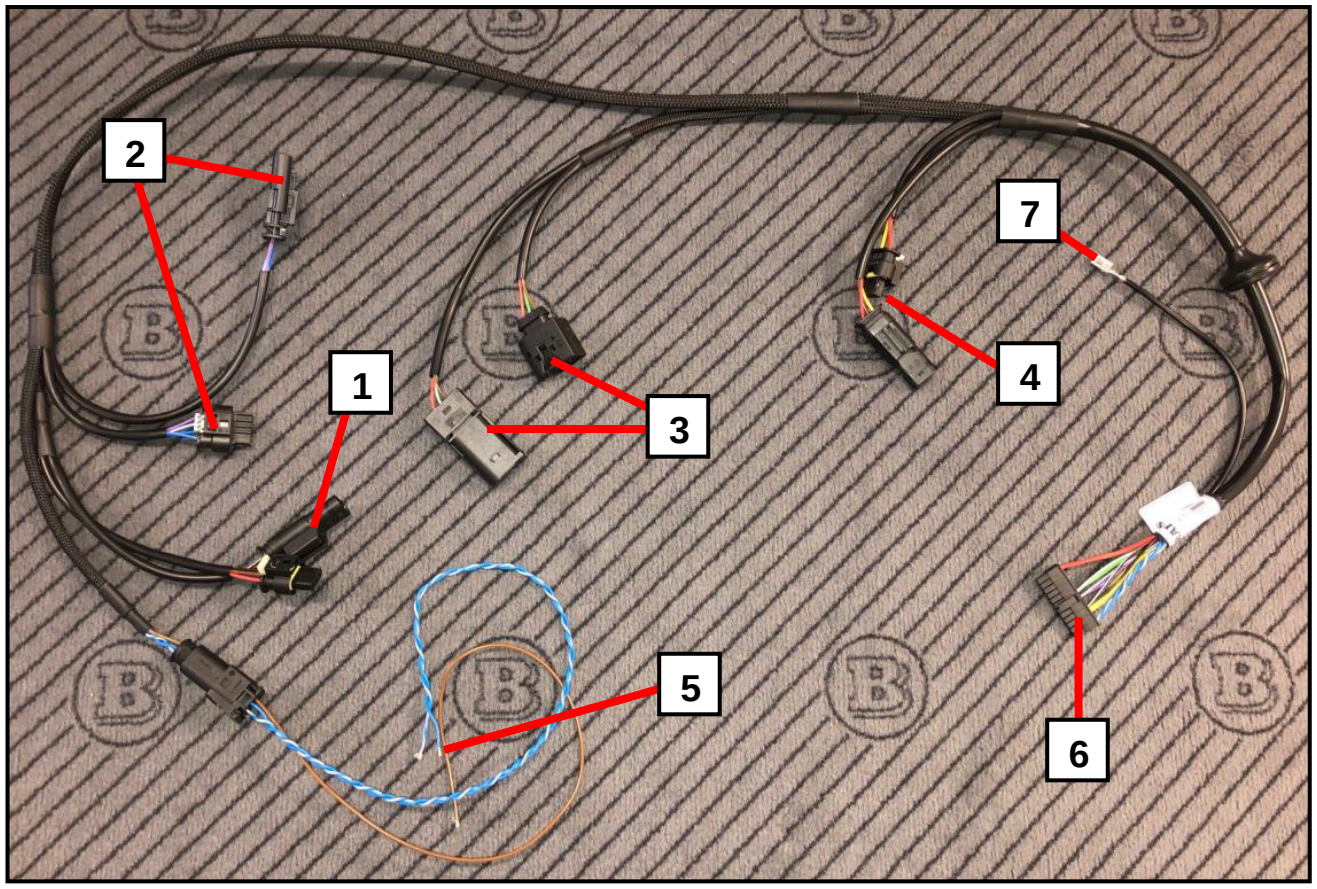
| | |
|---|---|
| 1x Control unit PowerXtra | UBS171 |
| 1x Wiring harness | 167-730-05-K, |
| consisting of: | Engine bay wire harness |
| | Connector for ground and CAN |
| | 1x fuse 5A |
| 1x „Brabus“-typing | 211-000-14 |
| 1x Set „powered by“ | 000-000-30 |
| 1x Type approval | |



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## *Overview of electrical connections to be established:*

*1- Adapter plugs for charge pressure sensor (B5/4)*
*2- Adapter plugs for air mass sensor (B2/5)*
*3- Adapter plugs for Fuel high pressure sensor (B4/6)*
*4- Adapter plugs for charge pressure sensor(B5/1)*
*5- Wires for ground and CAN, parallelly soldered to plugs 2 & 5 of control unit ME*
*6- Connector for PowerXtra control unit*
*7- Connector for power supply/ to fuse box*






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***Disassemble covers and air ducts within engine bay.***
***Open fuse and relay box and release fuse and relay board.***

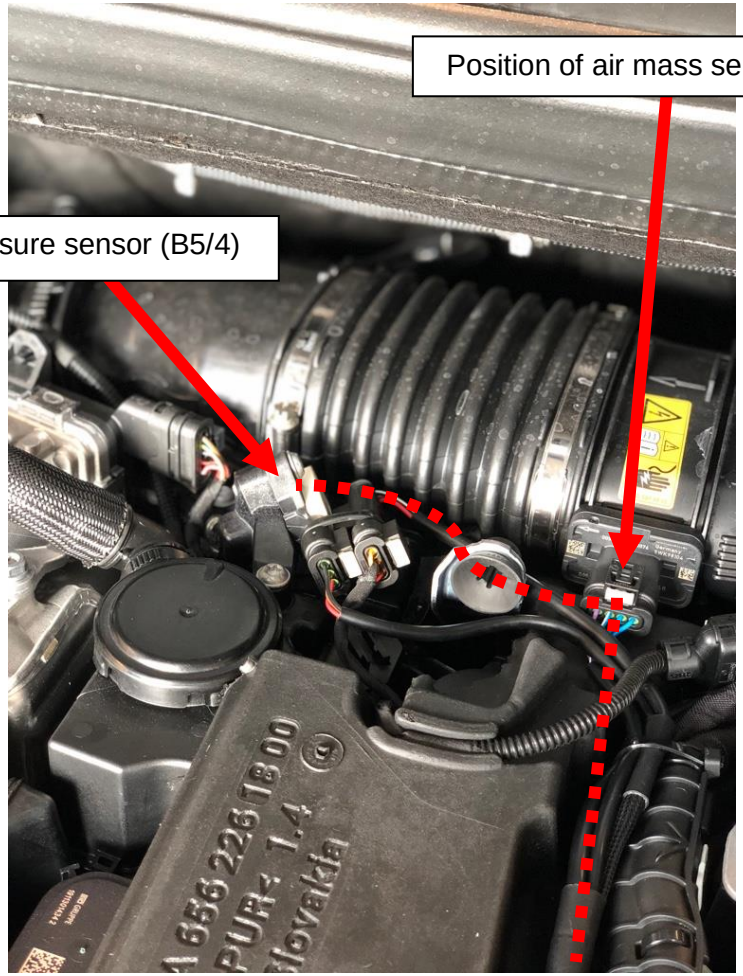


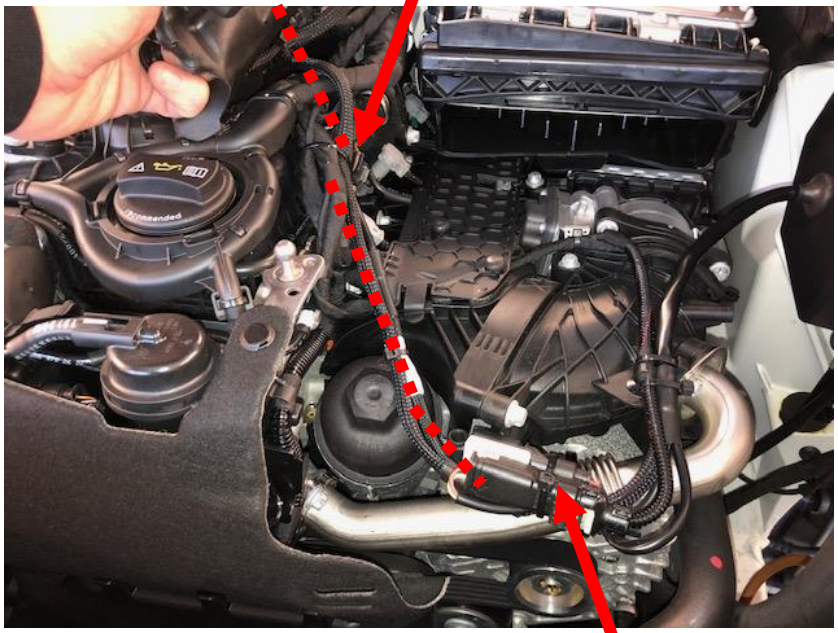
***Attention:*** ***Disconnect ground connector of vehicle battery prior to performance-kit installation!***



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***Illustration of engine bay wire harness routing:***

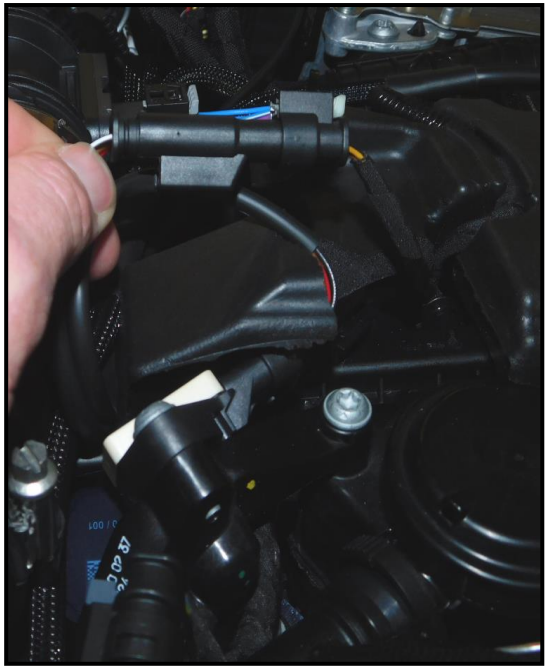


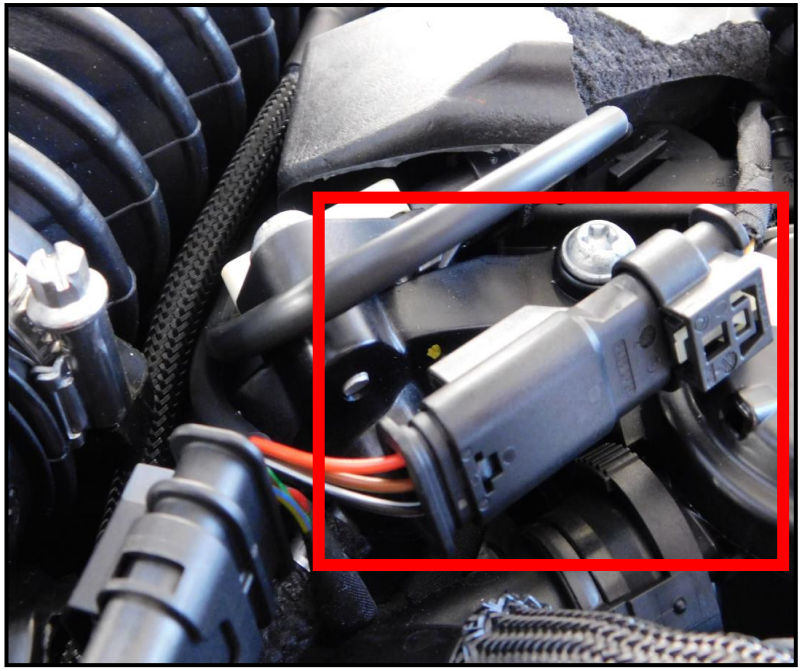






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**Disconnect plug of charge pressure sensor (B5/4) and connect to Brabus wire harness, connect plug of Brabus wire harness to charge pressure sensor (B5/4)**

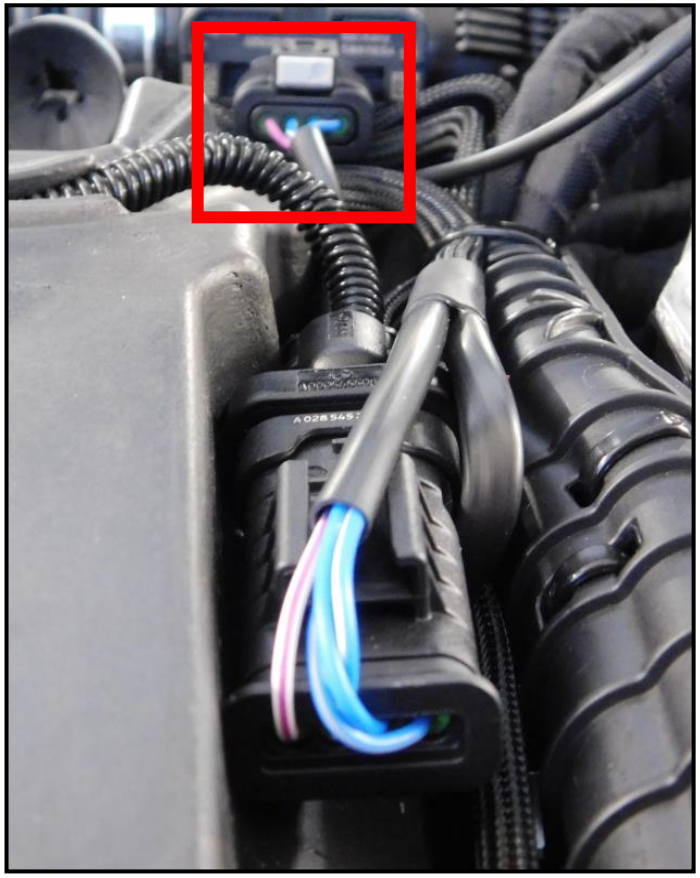






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***Route wire harness to air mass sensor (B2/5). Connect plug of air mass sensor (B2/5) to Brabus wire harness, connect plug of Brabus wire harness to air mass sensor (B2/5)***

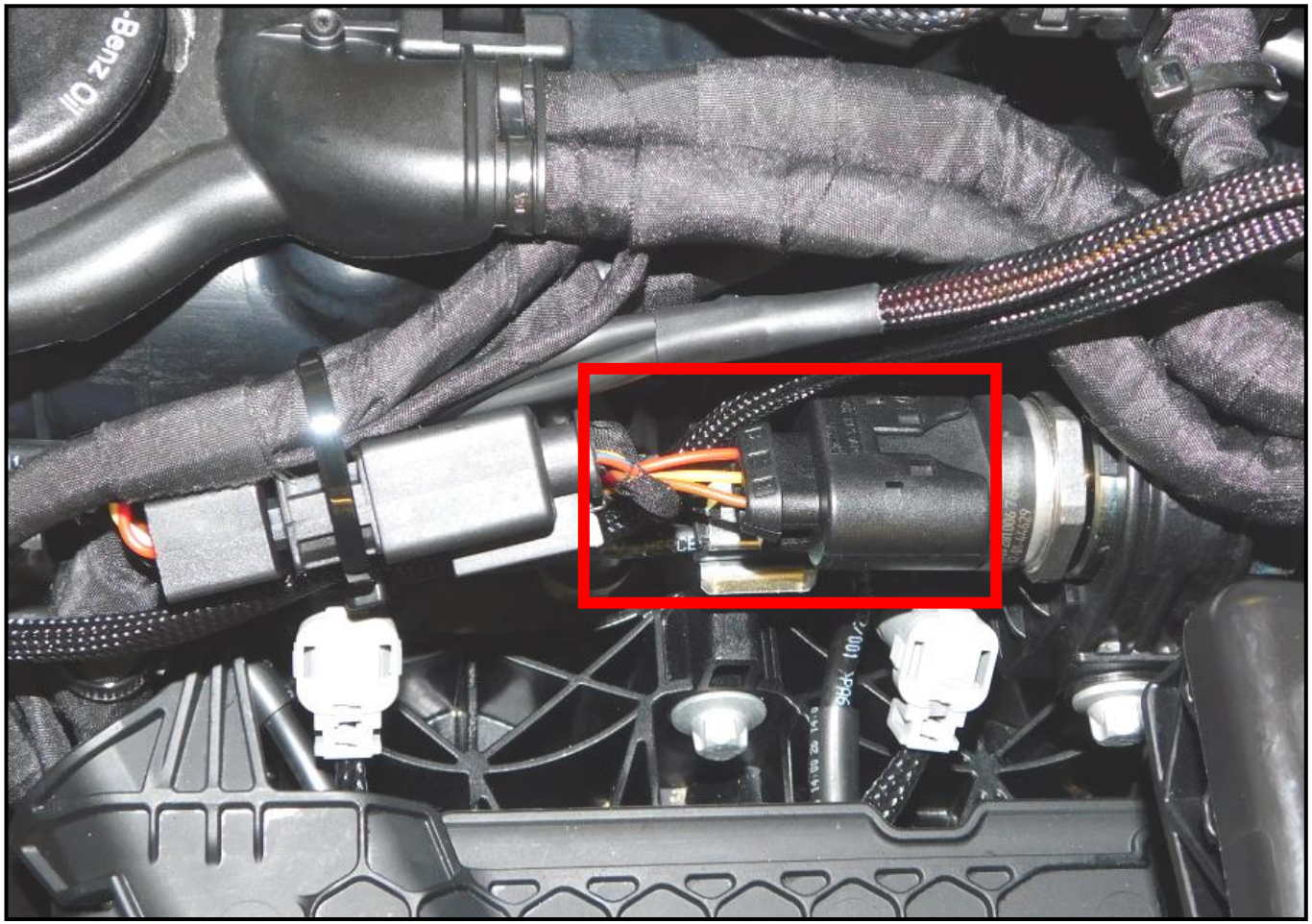






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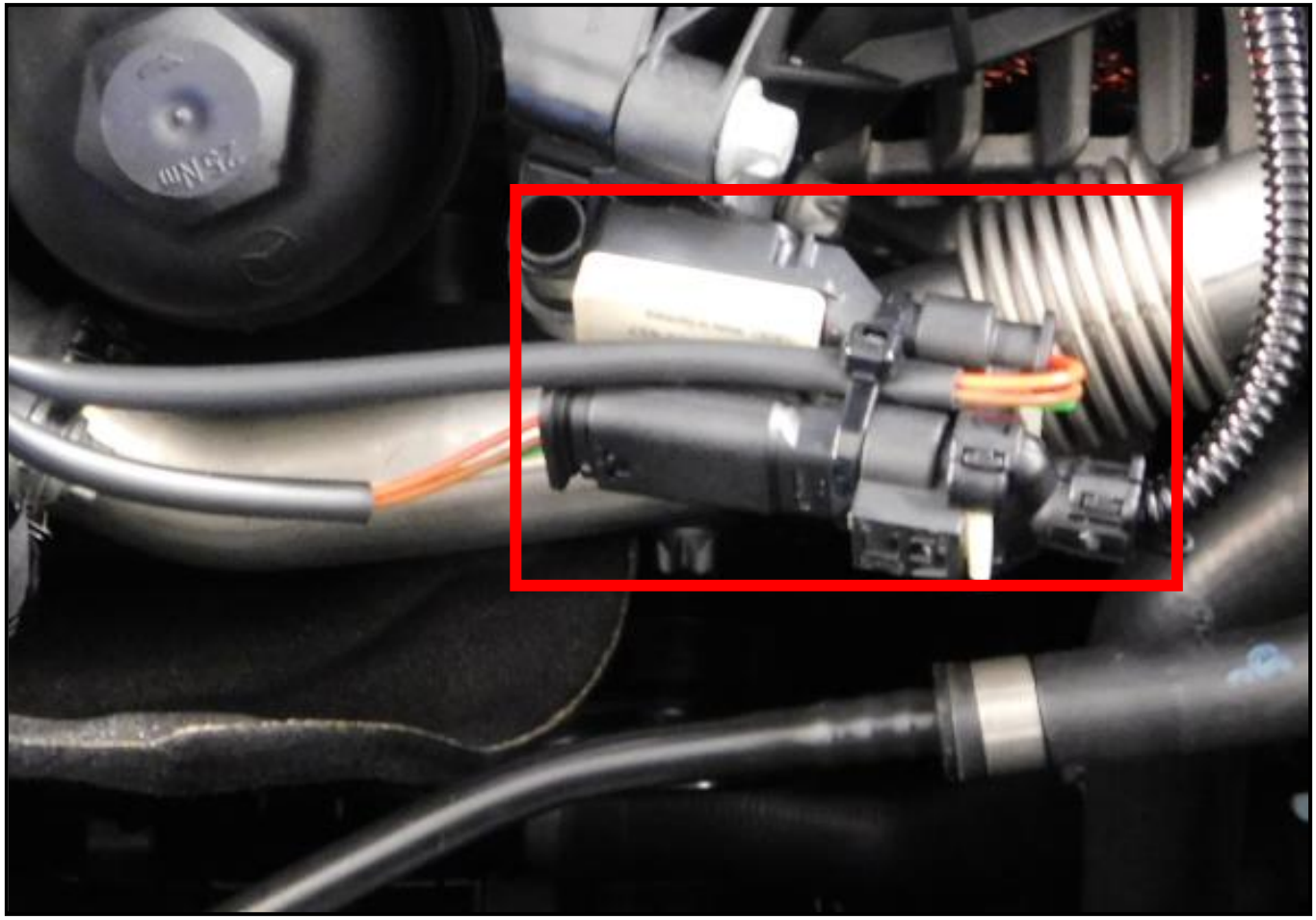
***Route Brabus wire harness to fuel high pressure sensor (B4/6). Connect plug of fuel high pressure sensor (B4/6) to Brabus harness, connect plug of Brabus harness to fuel high pressure sensor (B4/6).***





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***Route Brabus wire harness to charge pressure sensor (B5/1). Connect plug of charge pressure sensor (B5/1) to Brabus harness, connect plug of Brabus harness to charge pressure sensor (B5/1)***



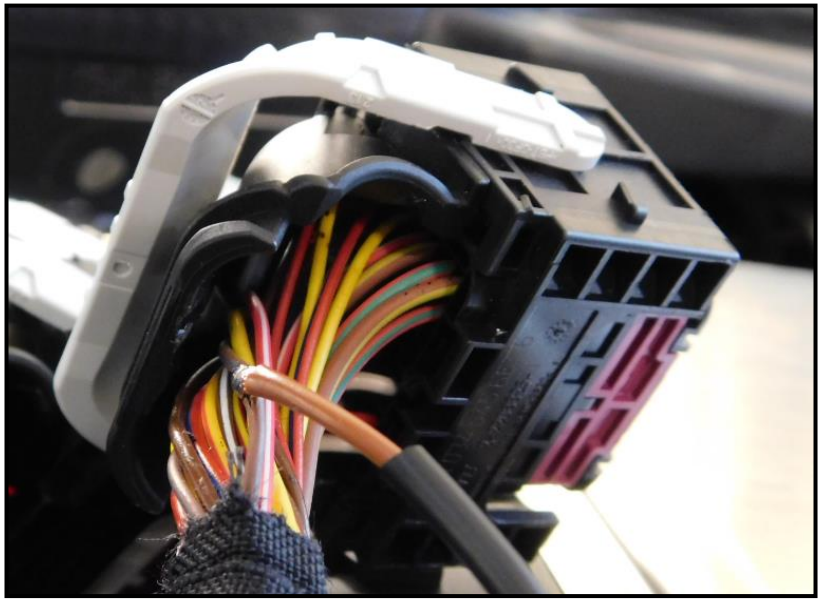


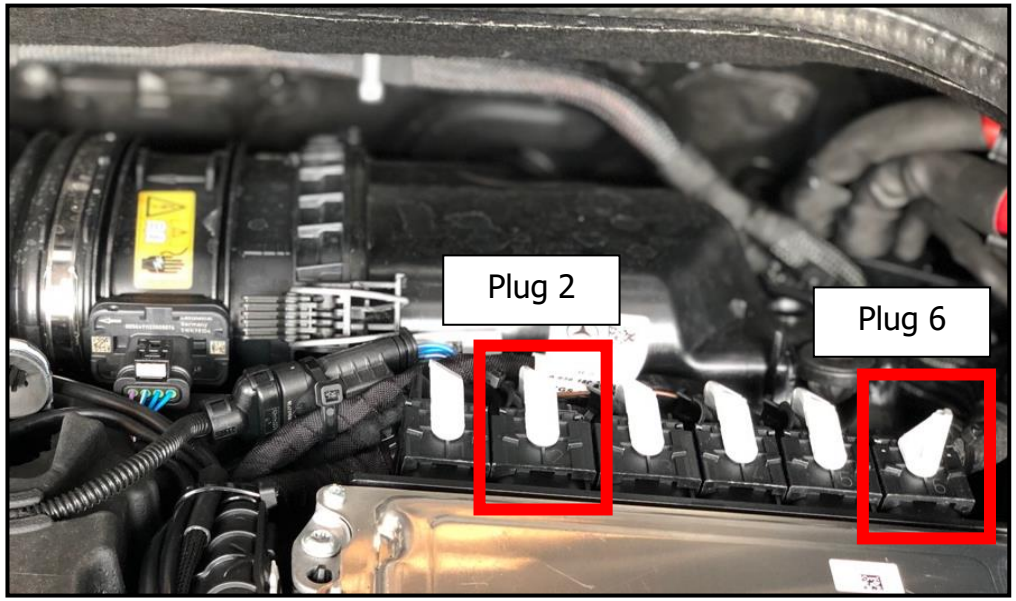
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***Solder brown wire of Brabus engine bay harness parallel to the wire out of slot 50 of plug 2 (wire colors BN/GY),***
***<u>Do not use any other ground source!</u>***

***Solder blue wire (CAN) to the wire out of slot 24 (CAN-low) of plug 6, solder blue-white wire (CAN) to the wire out of slot 25 (CAN-high) of plug 6.***

***Attach plug locks back to control unit plugs, re-attach plugs to control unit ME.***
***Sufficiently isolate the soldered areas! Do not just wrap the wires around!***

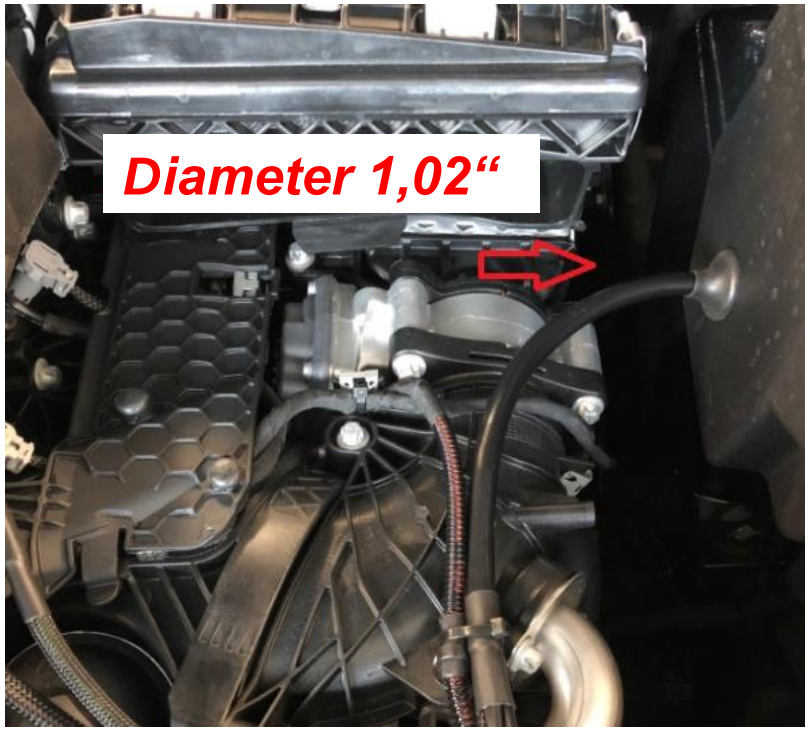


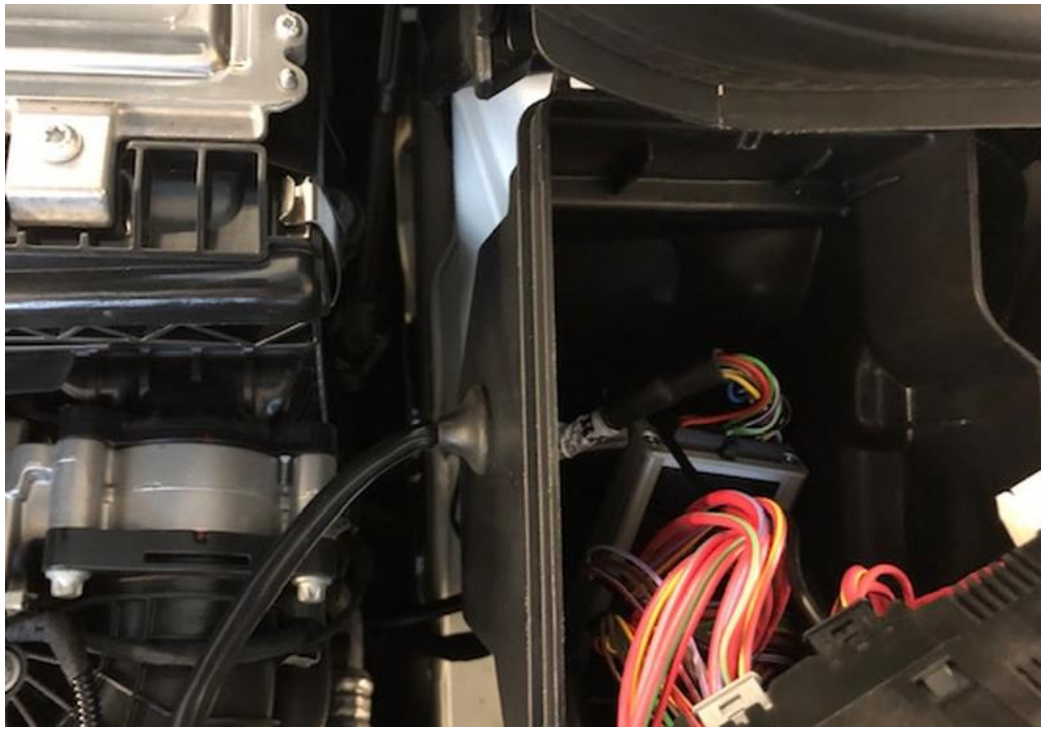





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***Drill a hole with a diamter of 26mm (1,02“) into the fuse and relay box according to images below. Route the wiring harness through the hole into the fuse and relay box and attach the rubber grommet to the hole. Connect wiring harness to PowerXtra-control unit, stow the control unit at the bottom of the fuse and relay box.***





***Connect Brabus engine bay wire harness to suitable positions using cable ties, make sure for safe and tension-free routing.***

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***Attach power supply contact to plug S8, port F112 (4-pole black plug, slot 4) of fuse and relay board from below. Attach 5Amp fuse supplied to port F112.***



***Re-attach all removed cover parts and make sure all electrical connections were securely made, all wires were routed securely and tension-free and that the wires are protected against damages. Re-connect the ground wire to the vehicle main battery.***

***Check the fault store and delete faults which may have occurred during installation. Perform a test-drive.***



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