Performance Kit for Mercedes-Benz G63 AMG, BR465,
465-B40-800-00-000

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.
Dismantle standard components according to Mercedes-Benz workshop instructions (WIS).
Prior to installation please check the content of the supplied components as detailed below.

Included in delivery BRABUS:

1x Control Unit PowerXtra	465-B40-800-P
1x Wiring Harness	465-740-15-K
1x Logo „Brabus“	211-000-14
1x Logo „BB“(70mm rund)	000-744-05-02
2x Alloy Bezel „Powered by BRABUS“	000-000-50
1x Brass plate 65x65mm NEU	000-738-82-02
1x Holder Power Xtra Control Unit	465-730-000
3x Sheet Nut	NEW-2641
1x Screw A2/070-TX25-M5x12	0098040512
2x Screw	0098040525
1x Turbocharger left	177-740-8201
1x Turbocharger right	177-740-8200
1x Intake Manifold left	177-740-670
1x Intake Manifold right	177-740-680
2x Rubber Tube	A2750980083
4x Hose Clip	A0069972690
1x Casing Cover	A1770960002
1x Airfilter Cover Set	465-740-800-10
1x Adhesive Set	B28/000-8
1x Sticker 98 Octane	000-000-Tank
1x Assembly set (screws and seals und O-Ring)	

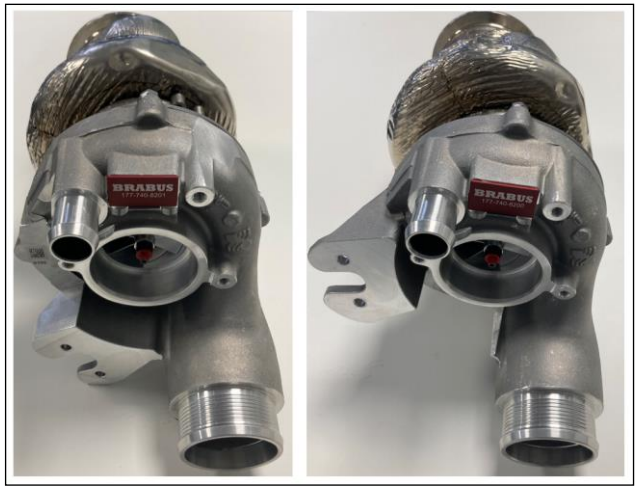
Attention:
For right-hand drive vehicles, a different holder is required for the control unit.
The holder has a new position.
The installation is shown on pages 20-22.

1x Holder RHD Power Xtra Control Unit 465-730-001_RHD

Attention:

The assembly of the performance-kit, especially the assembly of the Brabus special - turbochargers, must be performed by an authorized Mercedes-Benz workshop which is equipped with the special tools and diagnosis tools required.

The replacement of the turbochargers is to be performed strictly according to Mercedes-Benz workshop instructions! For adjustment of the wastegate valves please regard to the respective instructions.



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Attention:

Regard to the following hints prior to assembly.

- All modification measures only may be performed by expert personal with the necessary experiences.



- A lifting platform with a non-sufficient carrying capacity and non-sufficient security could break down under the weight of the lifted vehicle and cause harmful injuries to persons standing below the vehicle. Compare the vehicle weight to the carrying capacity of the liftiing platform. The weight of the car may not exceed the carrying capacity of the lifting platform.
  The vehicle weight can be found within the vehicle registration documents or the operation manual.



- Prior to assembly make sure the ignition is switched off and the vehicle battery is disconnected.



- Wear protective gloves. Avoid tight and inaccessible vehicle areas same as hazardous situations under usage of special tools and appropriate accessories.



- Prior to assembly check the completeliness of the delivery content. Urgently regard to the Mercedes-Benz guidelines during disassembly of standard vehicle c

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- omponents.

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Assembly Order:

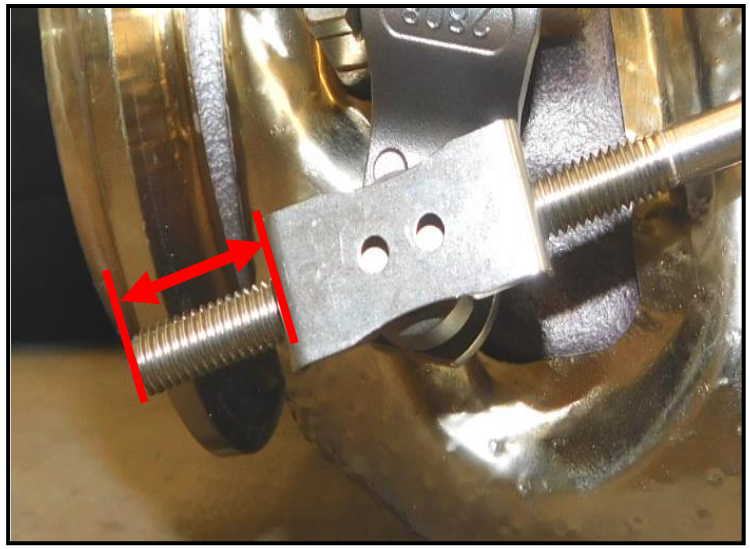
1. Assembly of special turbochargers (according to Mercedes-Benz Workshop information system, documents.
   Turbocharger left A+E AR09.40-P-6026XGD
   Turbocharger right A+E AR09.40-P-6027XGD

2. Assembly of electronic control unit.

3. Assembly of typings, badges and cover trims.

Attention:

Measure and notice the protruding parts of the wastegate rods prior to disassembly of the wastegate valves (which are not to be shipped to BRABUS). Mark the valves and rods using a suitable marker „left“ and „right“ (driving direction!).



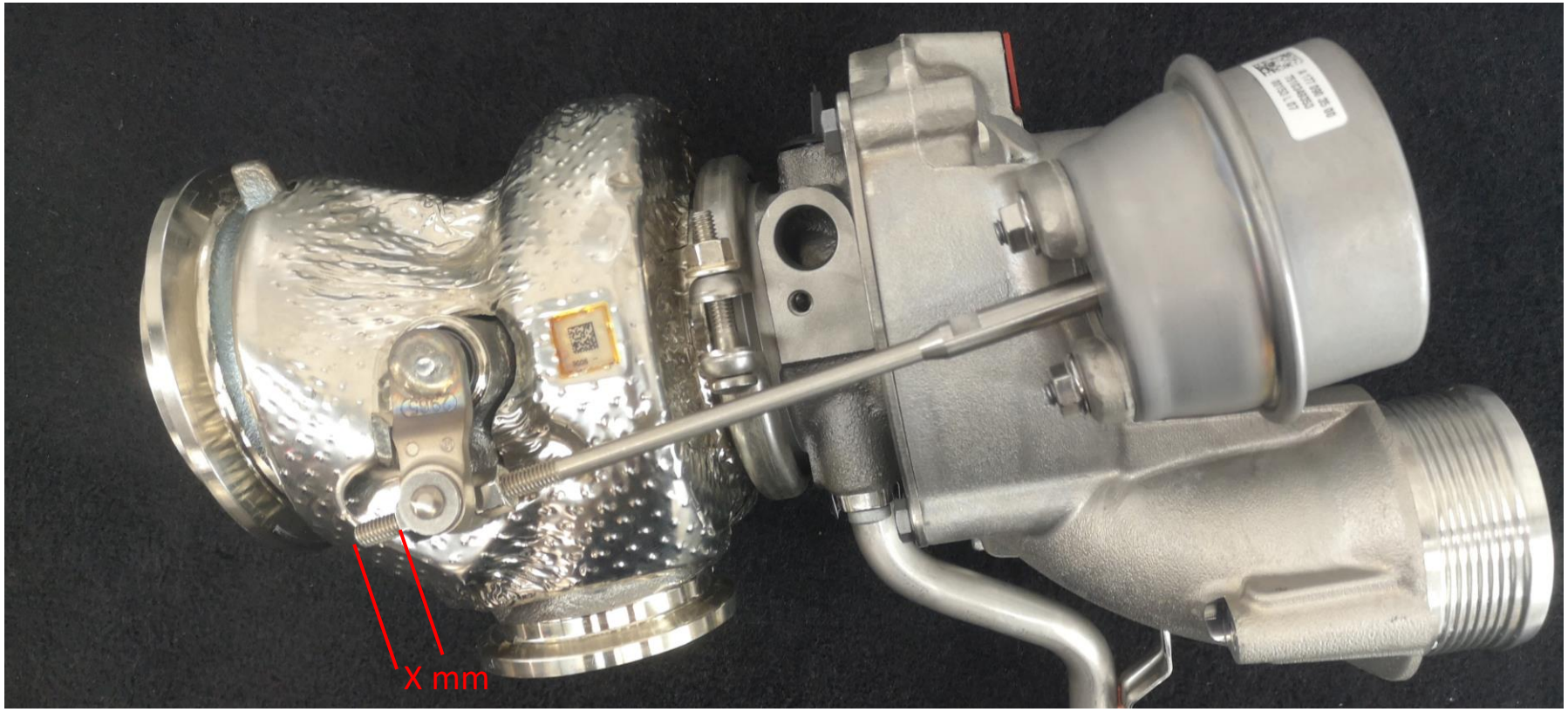




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Assembly of wastegate valves before turbocharger assembly:

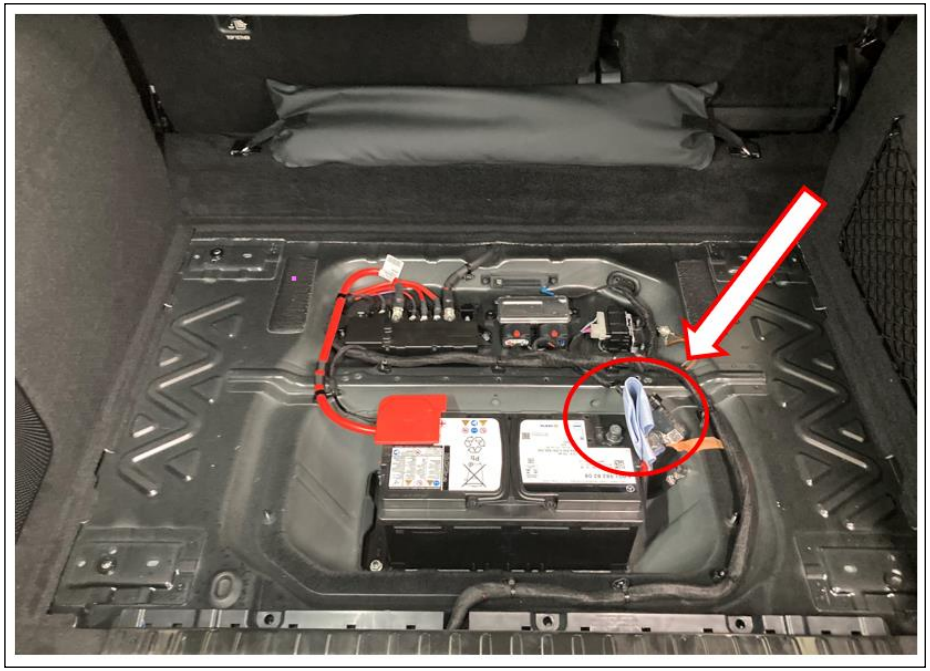
- Assemble the valves and the rods and adjust them according to the noticed measures. Securely attach the lock spring!



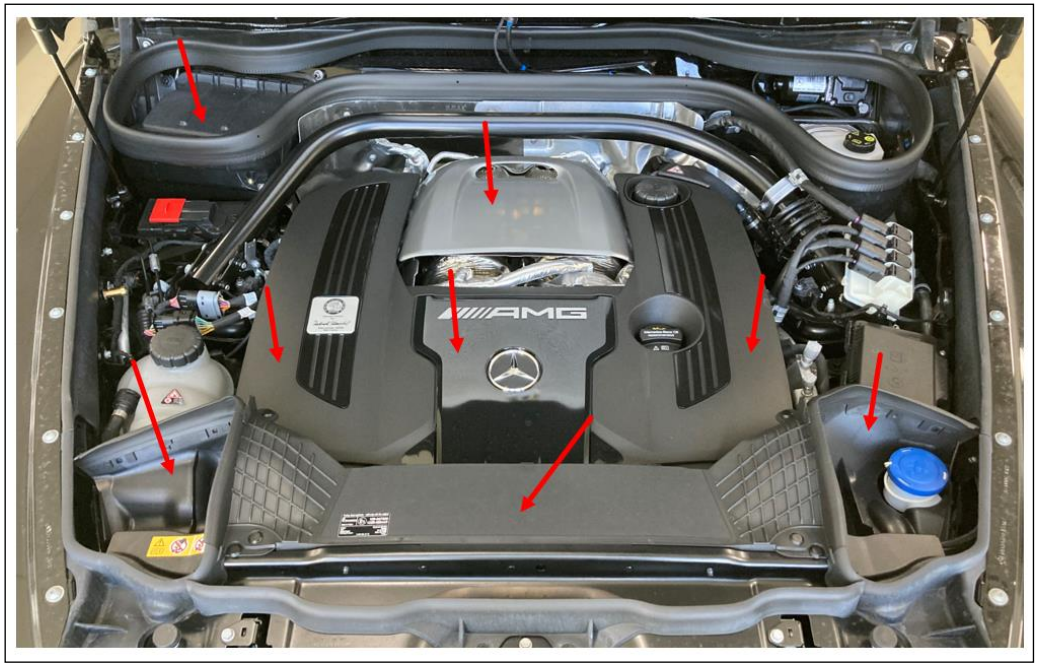
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Preparation:

- ATTENTION: Disconnect the ground cable from the vehicle battery under the trunk cover!



-Disassemble the covers within the engine bay marked red below.

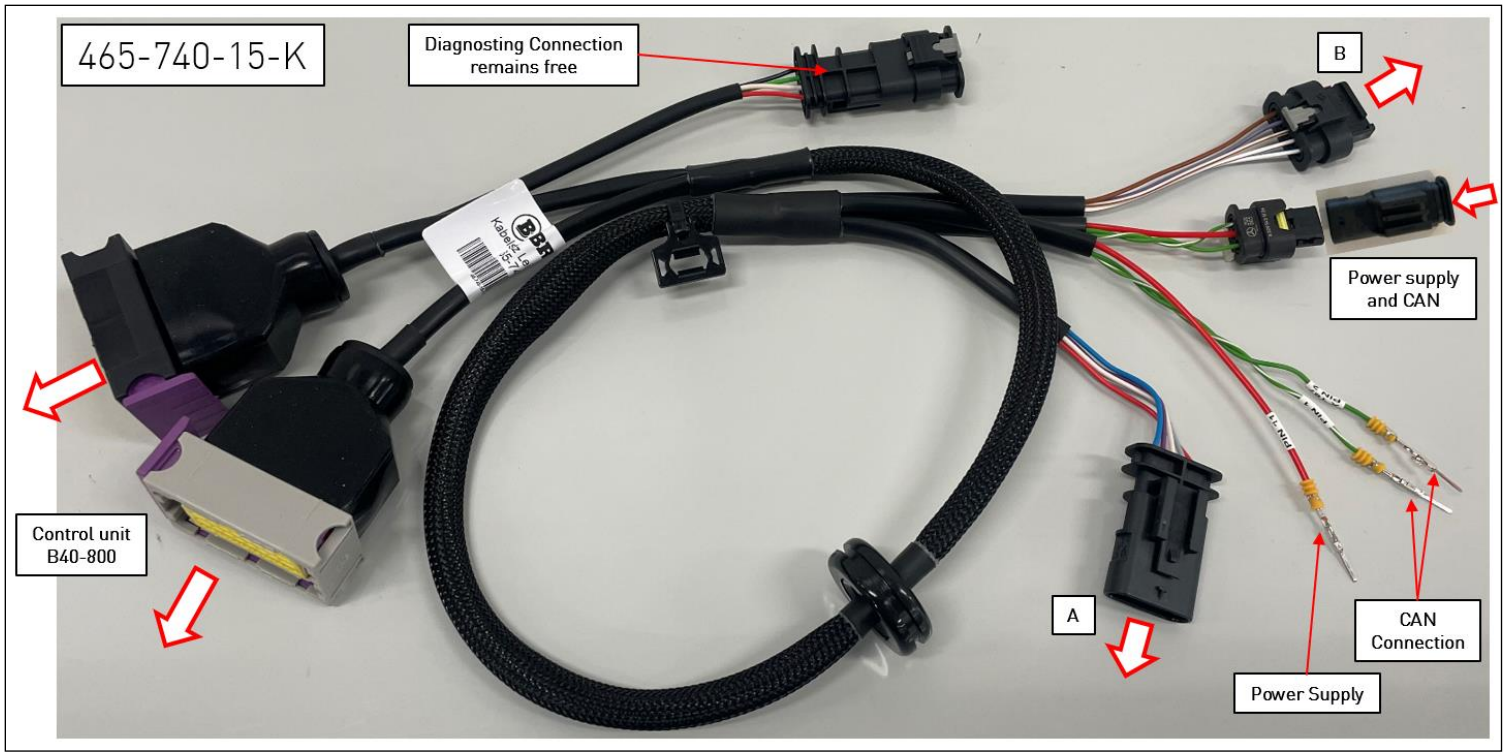


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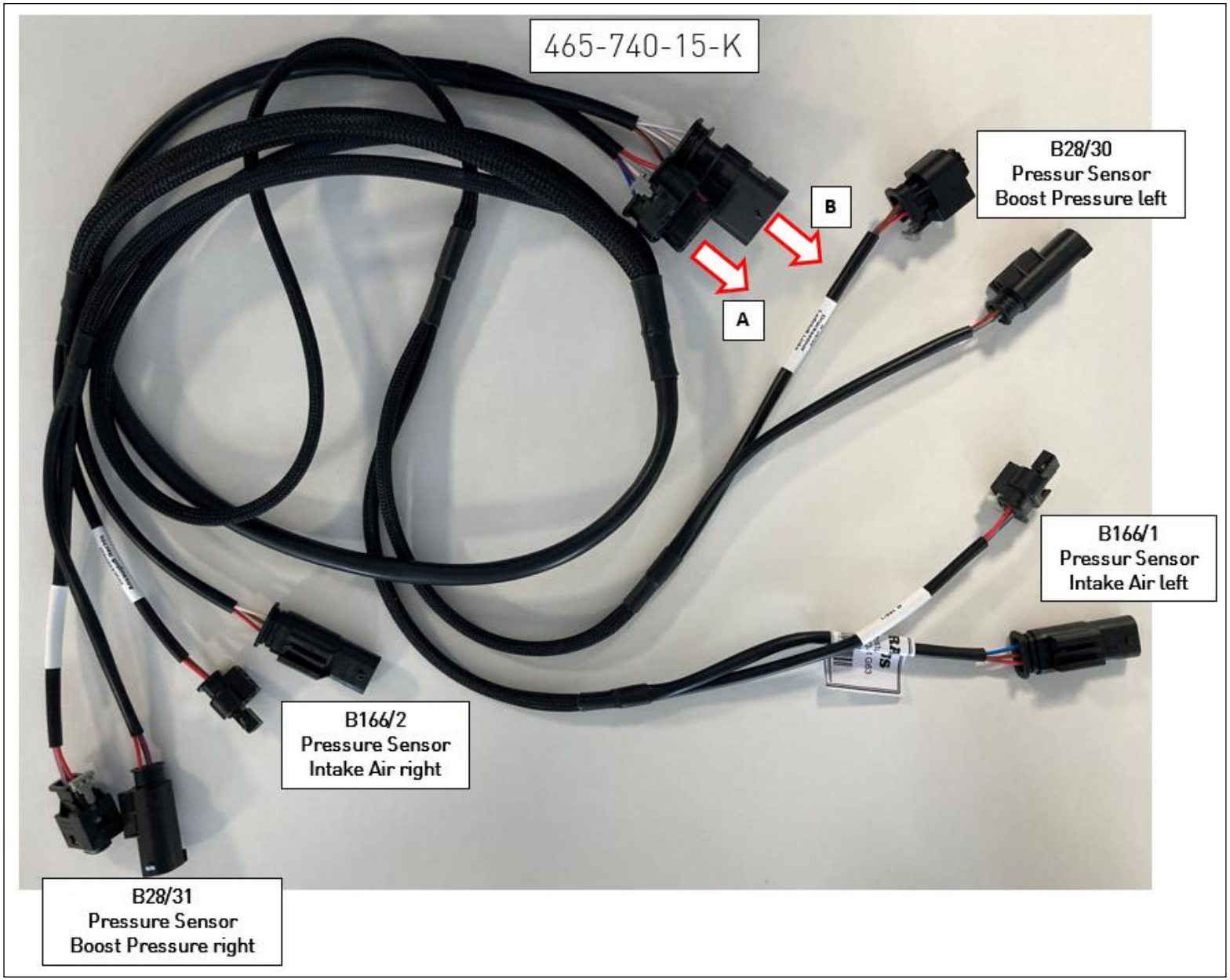
Electricial Connection:

The BRABUS control unit B40-800 may only be connected after all components have been wired up!



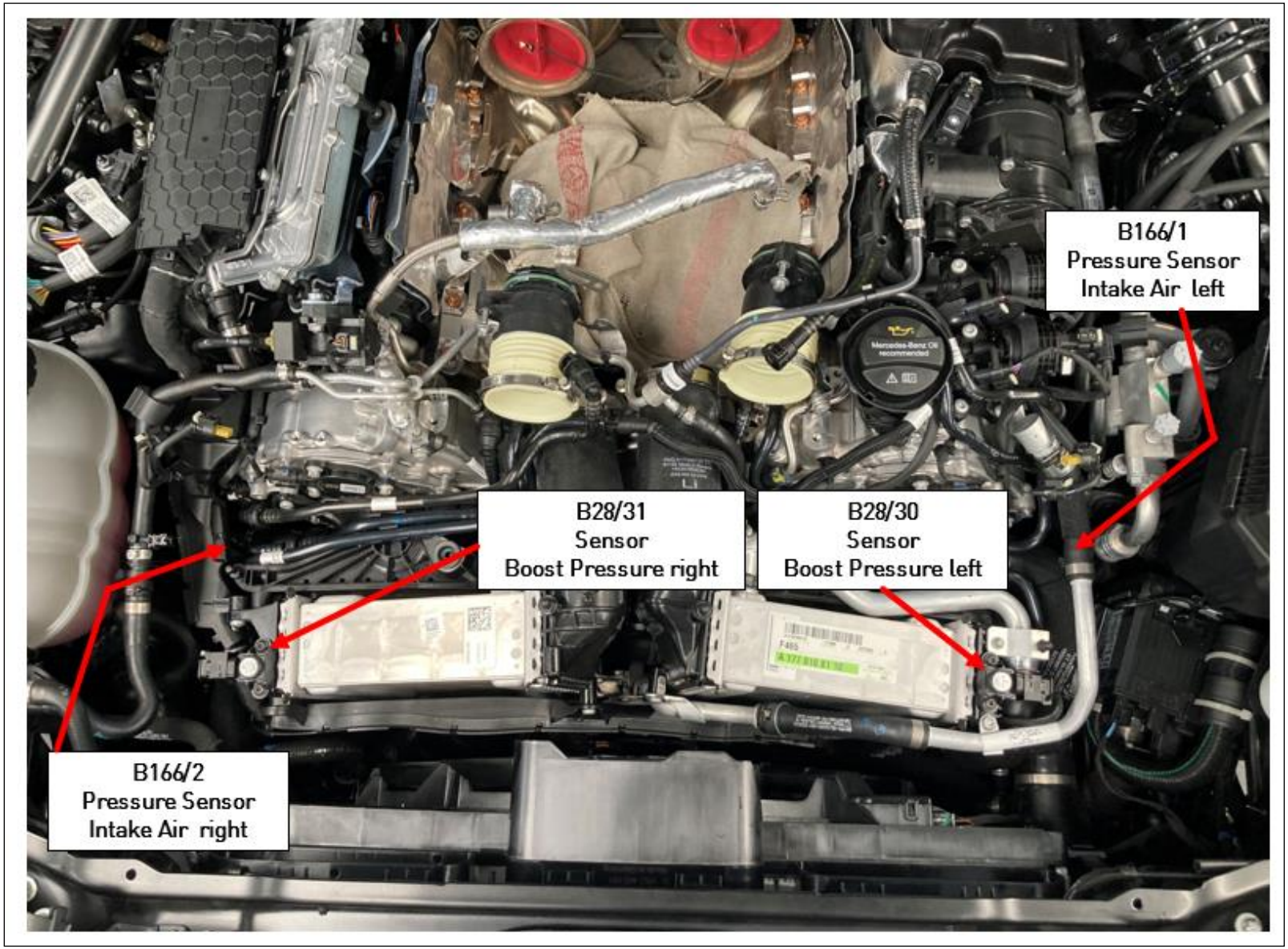


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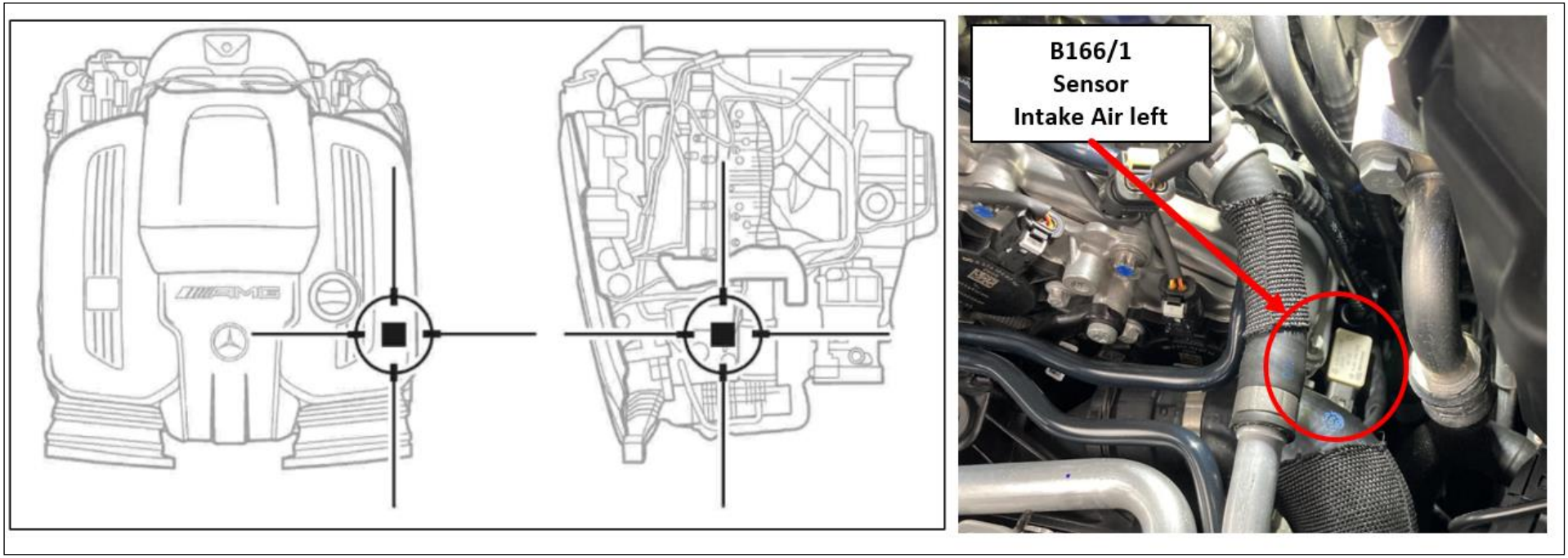
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Position of the Sensors:

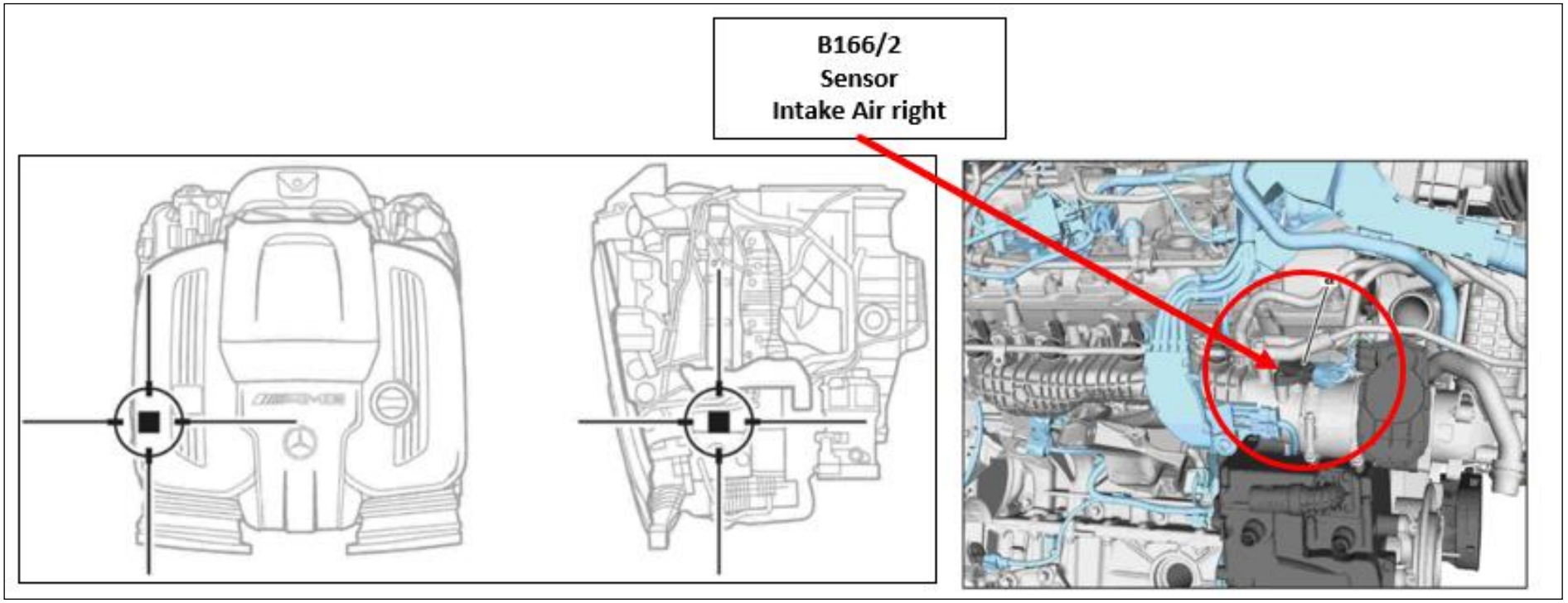


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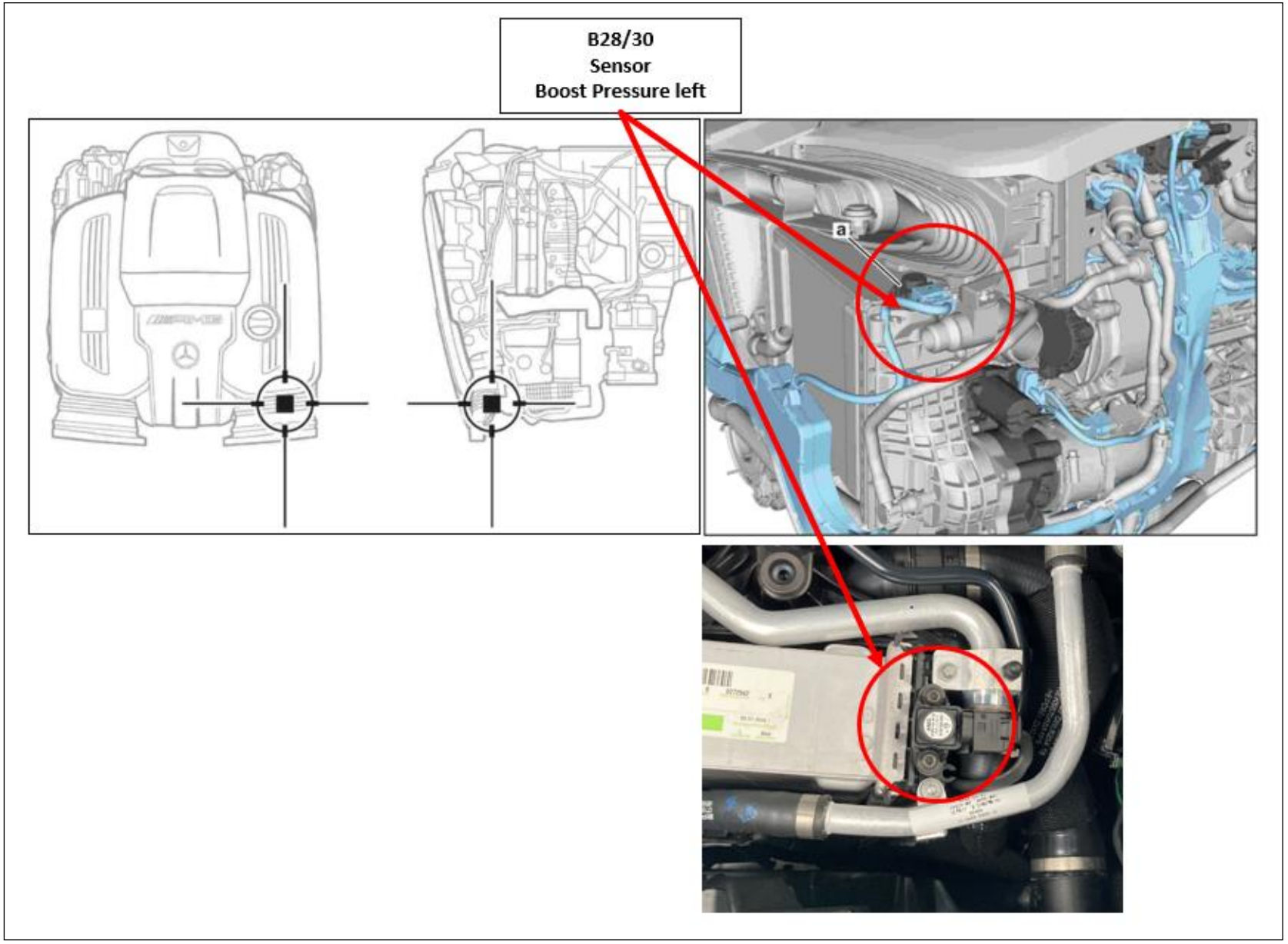
- Lay the BRABUS wiring harness to the sensors at suitable points and secure it to the original wiring harness with cable ties.
- Disconnect the sensor plugs and connect them to the corresponding sockets on the BRABUS wiring harness.
- Now connect the free plugs of the BRABUS wiring harness to the corresponding sensors.



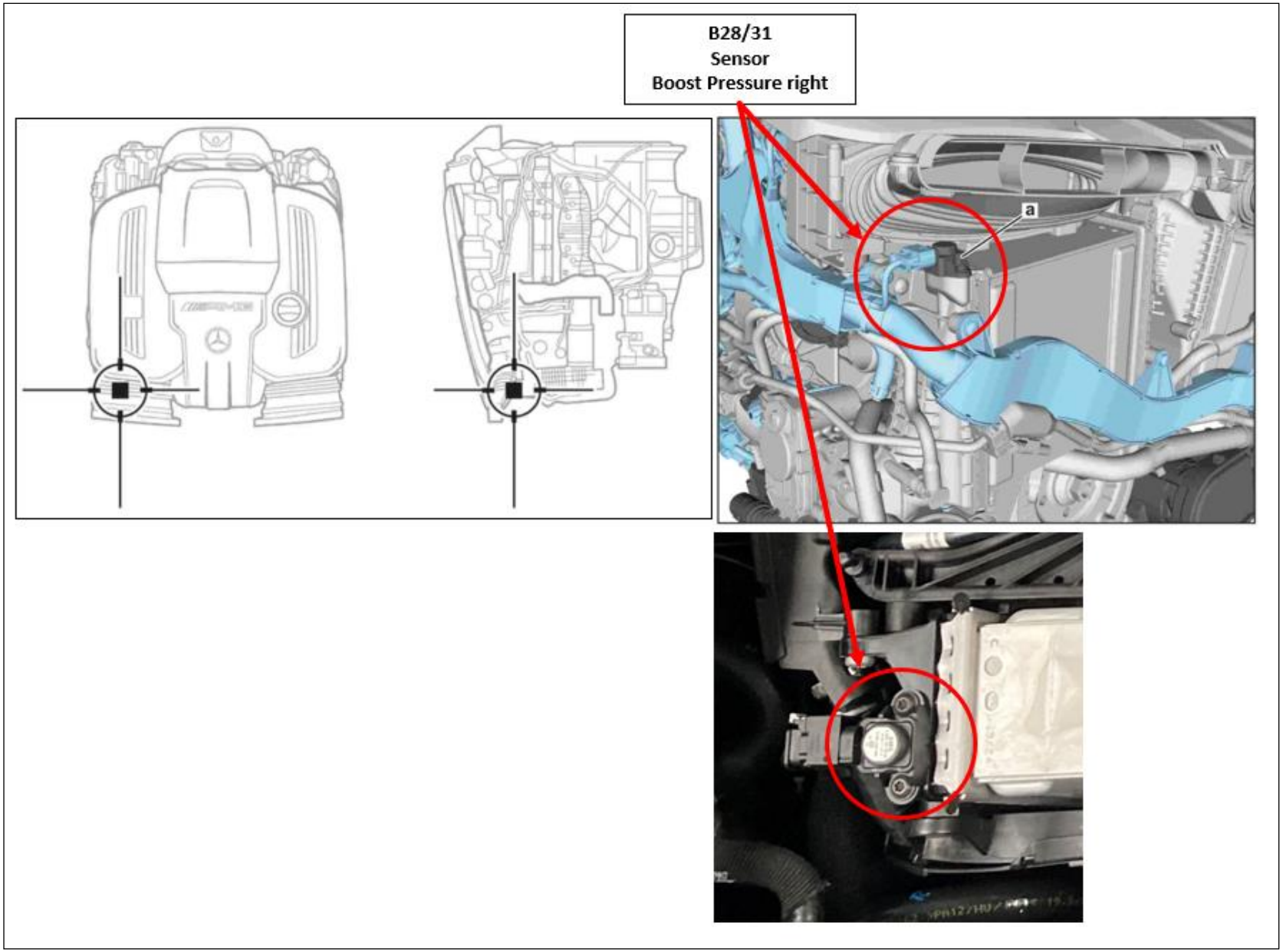
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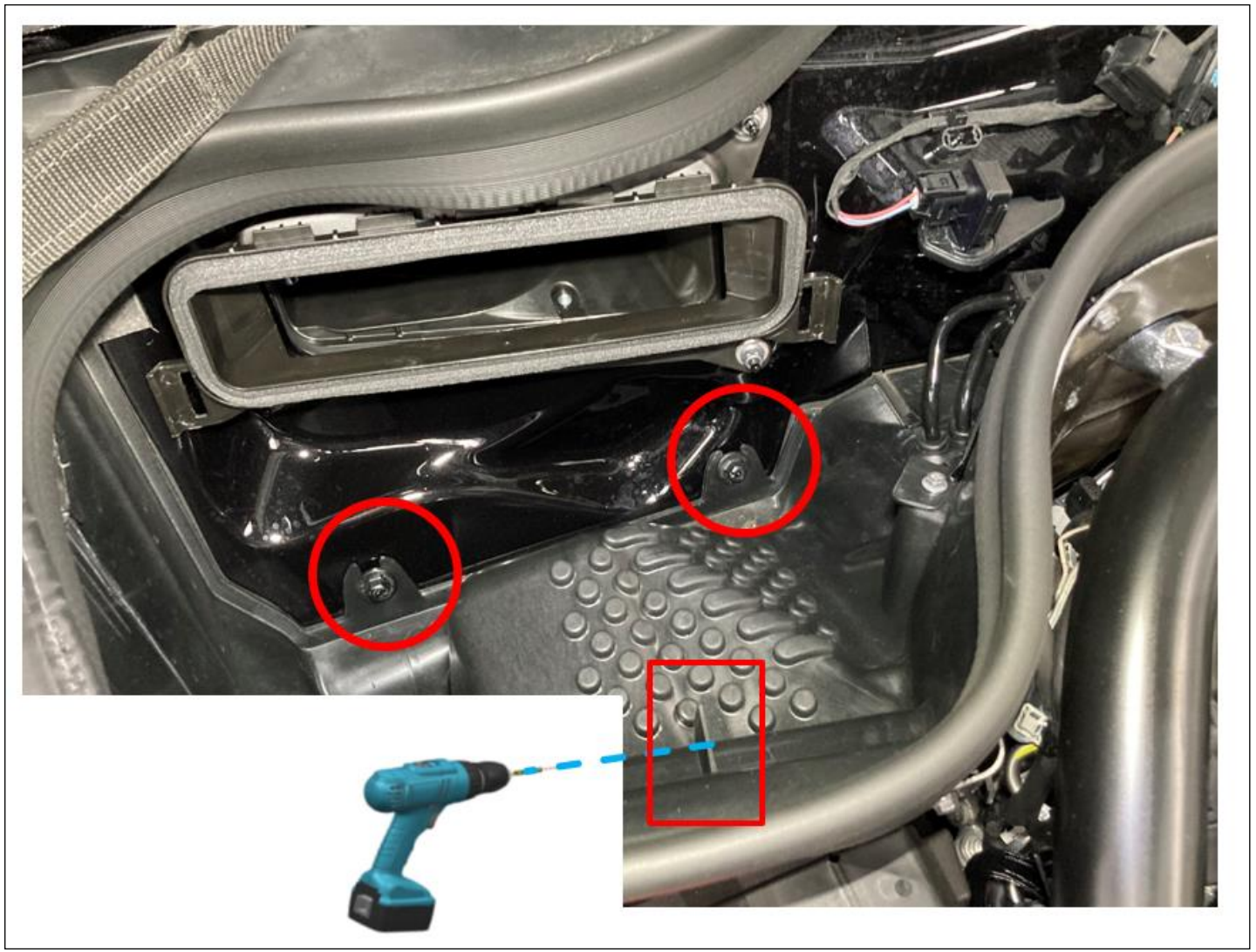
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Position:



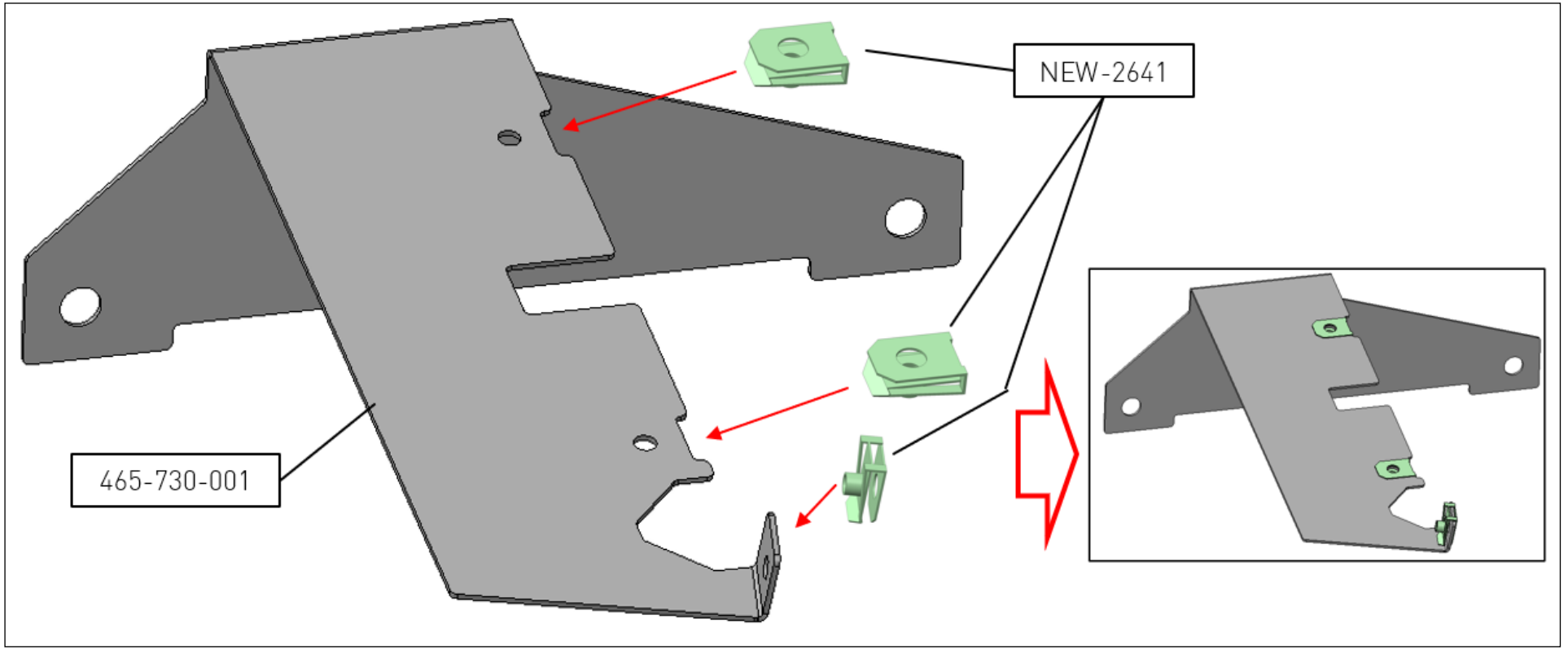
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- Remove the two marked nuts.
- Drill a hole (Ø 5.5 mm) at the outlined position).



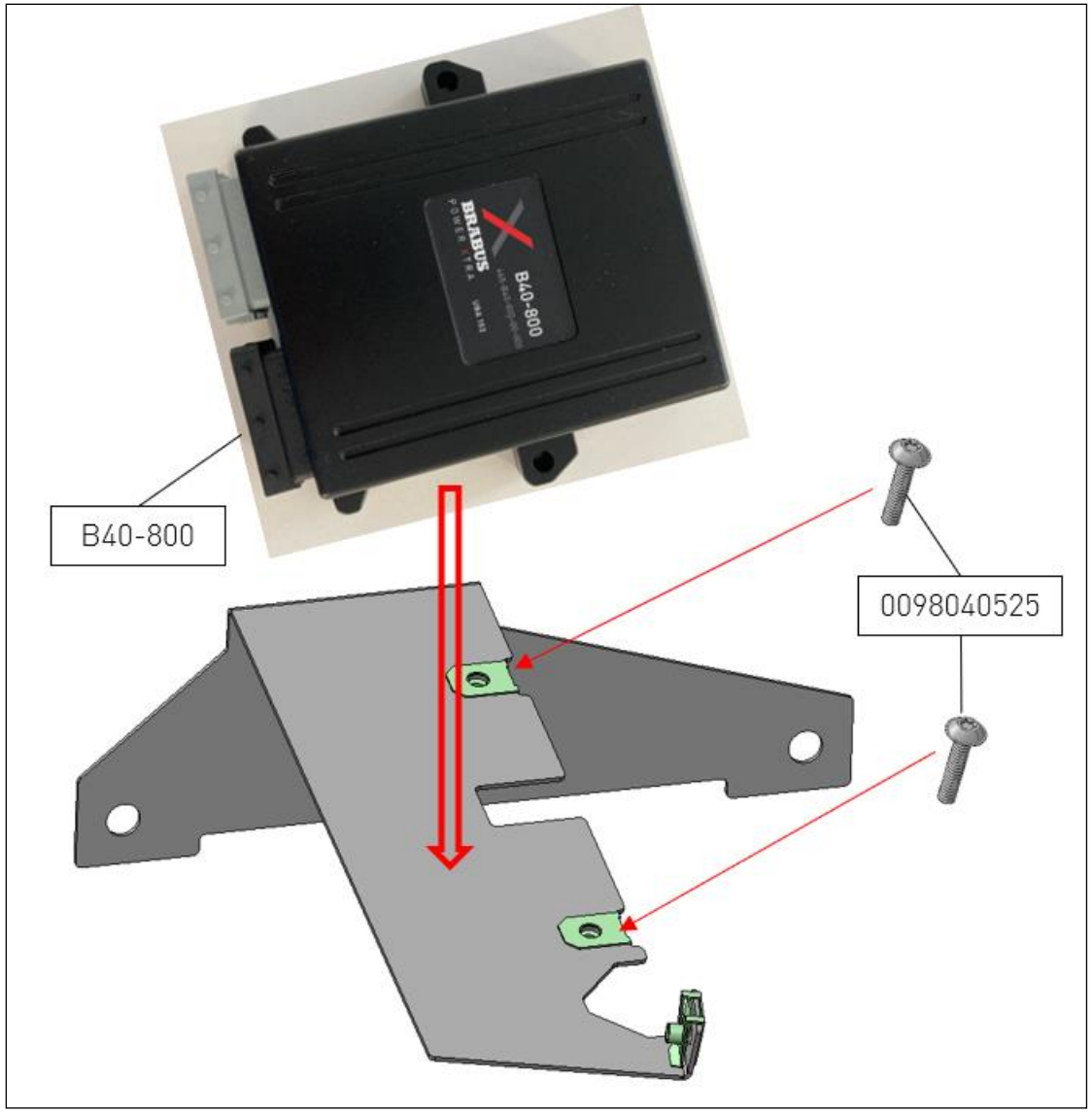
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- Place the 3 sheet metal nuts (NEW-2641) on the retaining plate 465-730-001.



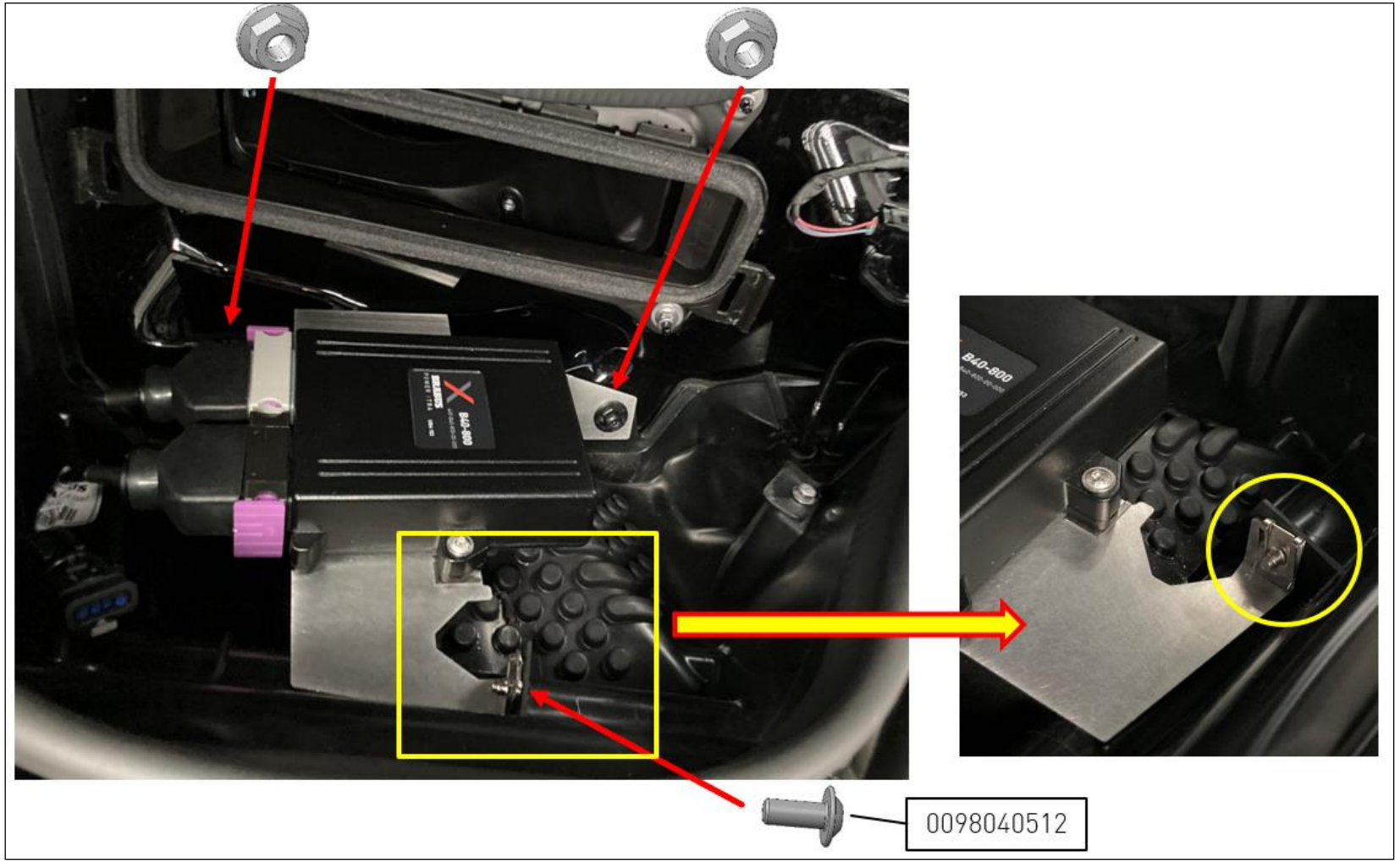
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- Screw the control unit (B40-800) to the retaining plate 465-730-001 using the two screws (0098040525).



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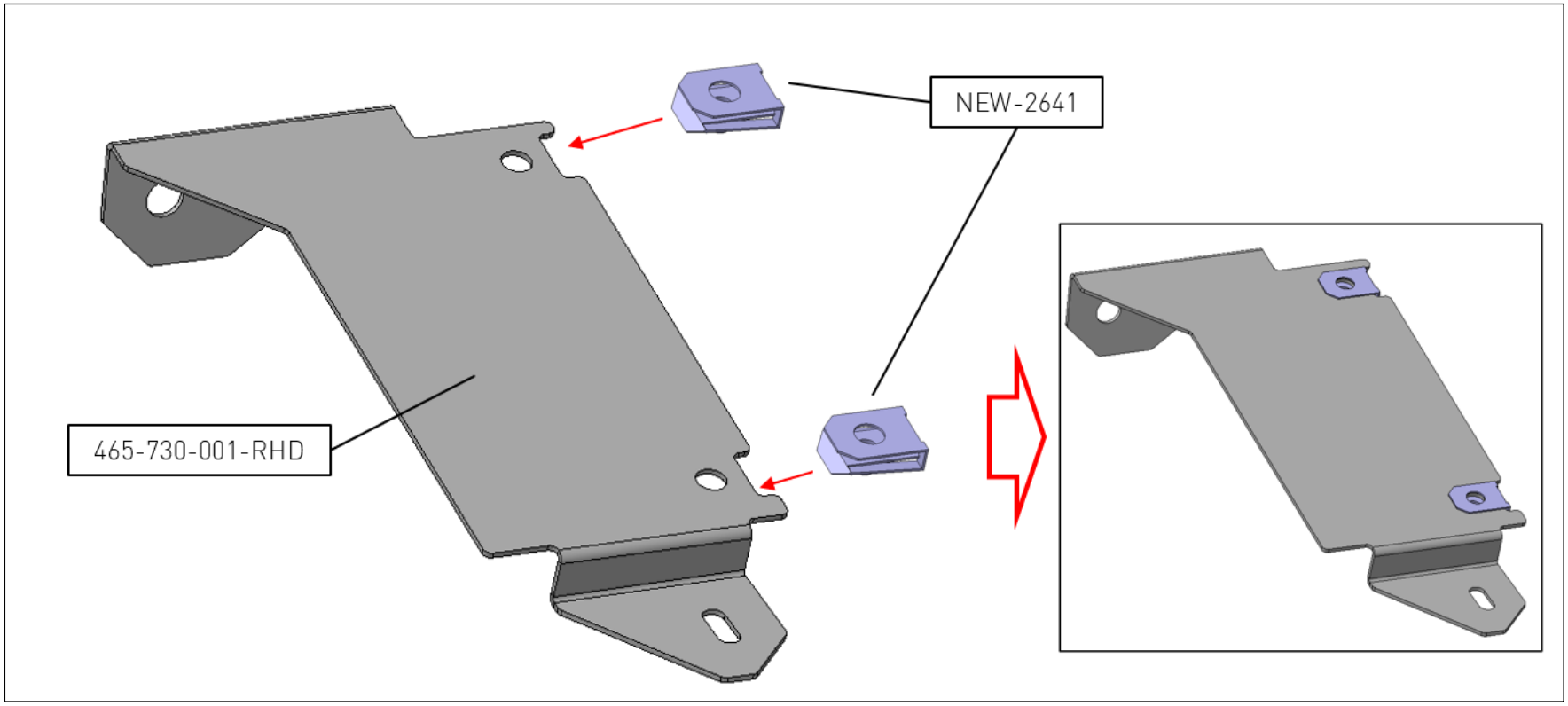
- Screw the bracket to the vehicle using the two previously removed nuts.
- Fasten the bracket in the front area to the original plastic trim using the screw (0098040515.
- The BRABUS control unit B40-800 may only be connected after all components have been wired up!



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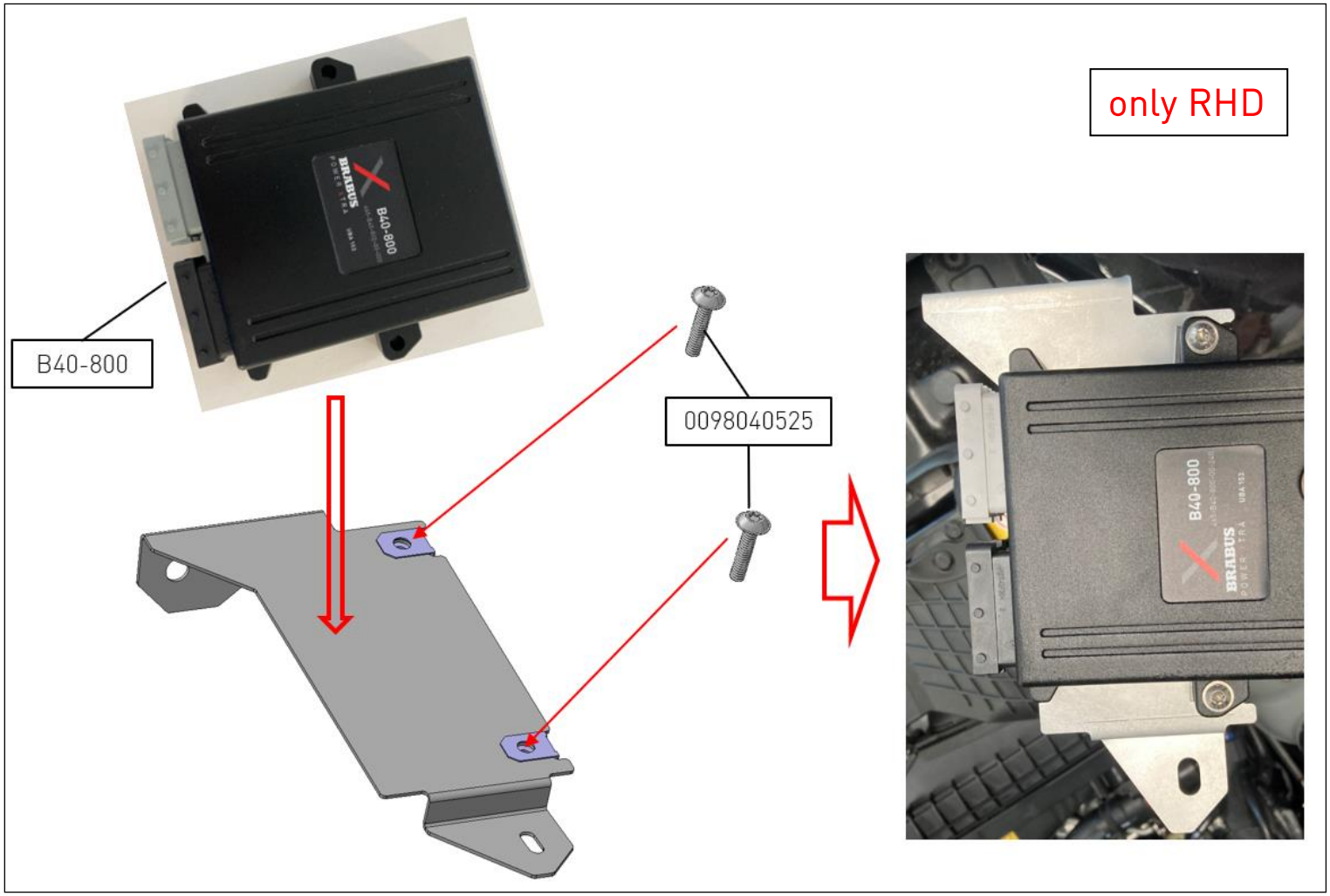
- Place the 2 sheet metal nuts (NEW-2641) on the retaining plate 465-730-001-RHD.

only RHD



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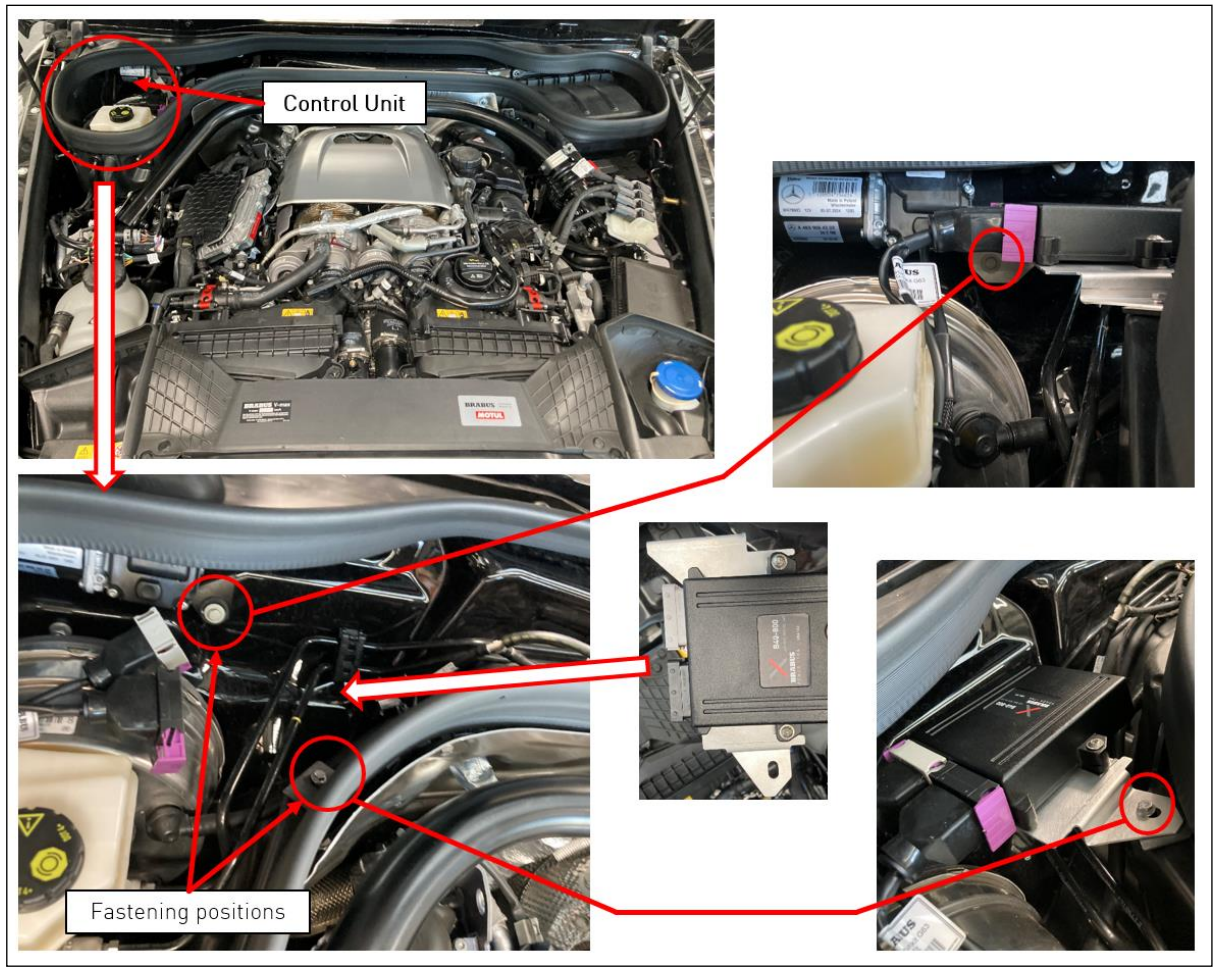
- Screw the control unit (B40-800) to the retaining plate 465-730-001-RHD using the two screws (0098040525).



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- Screw the holder in place with the two original screws at the position shown in the diagram.
- The BRABUS control unit B40-800 may only be connected after all components have been wired up!

only RHD

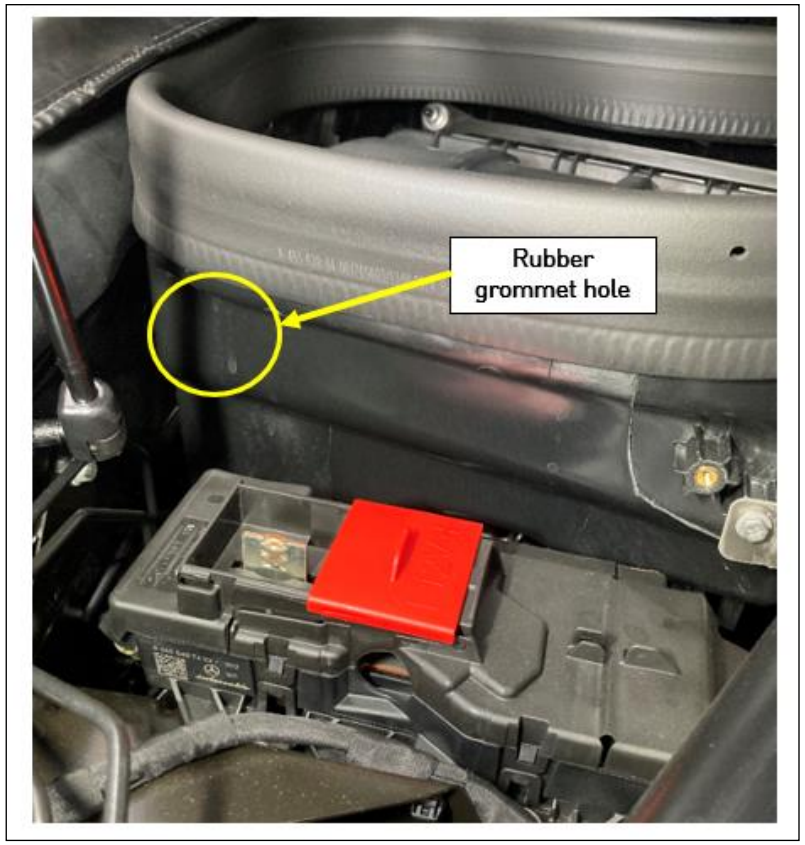


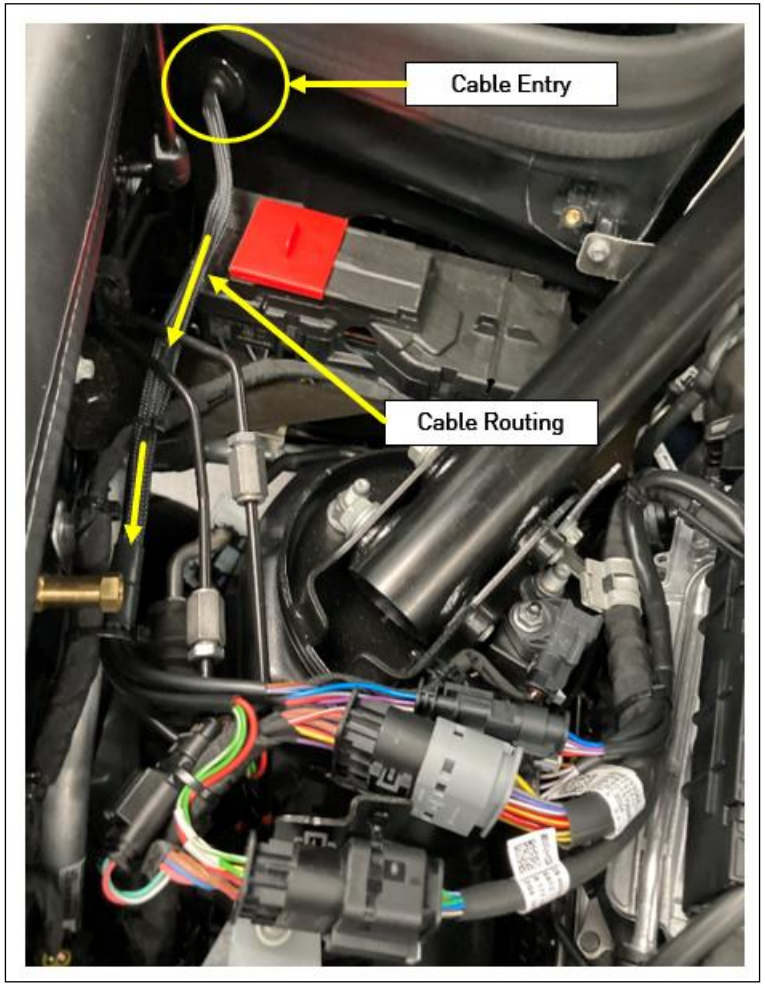
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- Drill a 30 mm hole for the rubber grommet at the position shown in the diagram.

- Route the wiring harness from the control unit to the engine compartment.

- Insert the rubber grommet.



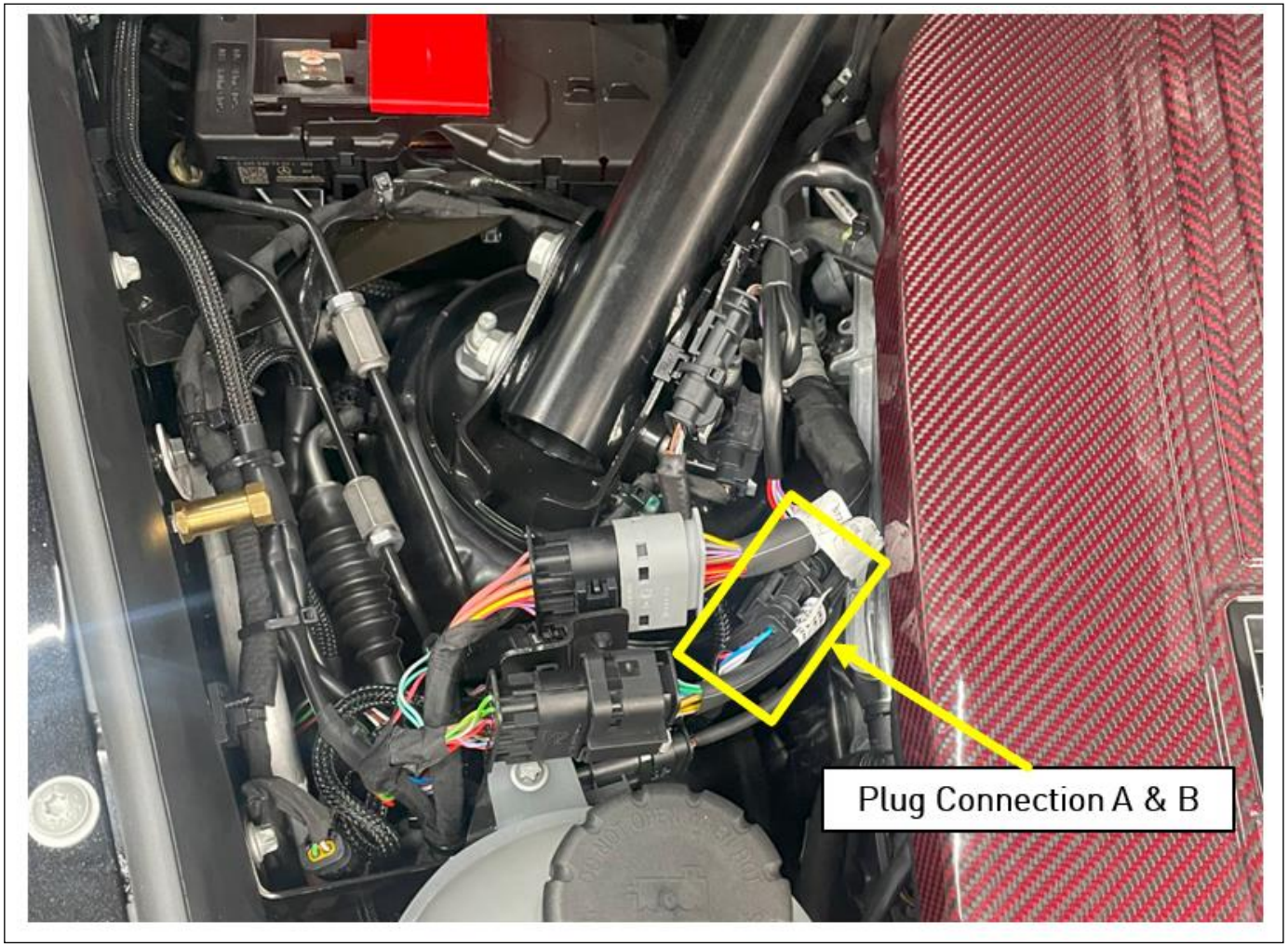


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- Make sure to disconnect the battery.

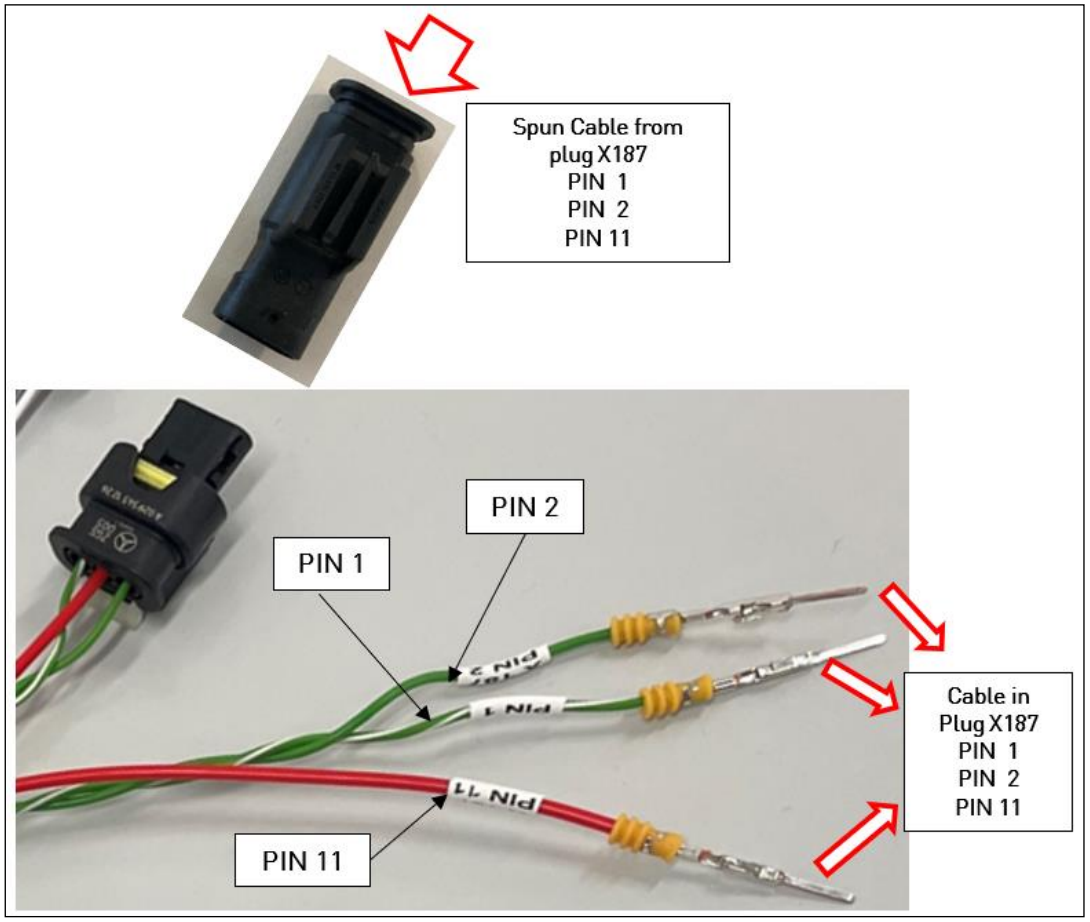
- Connect the cable set / control unit to the sensor cable set (connectors A & B).

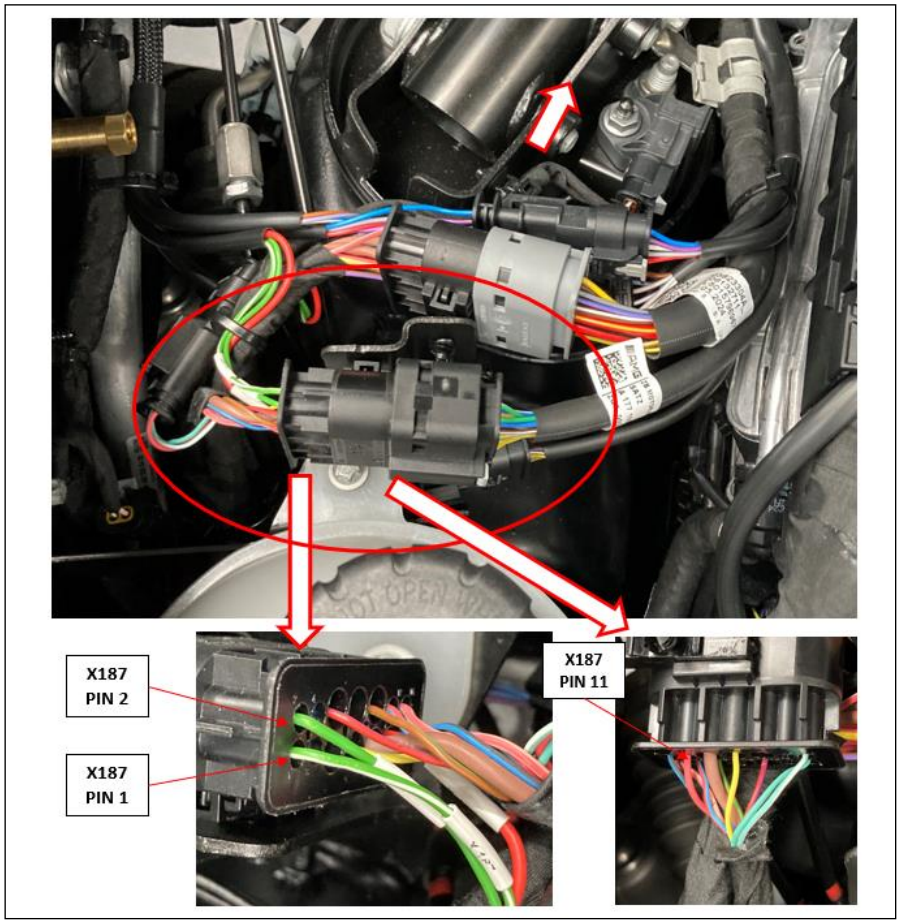
- Secure the cable set with cable ties at suitable points.



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- Re-pin the connections individually to avoid contact between the loose cable ends!
- Pin the following cables to connector X187: 1 (green-white), 2 (green) and 11 (red).
- Insert the pinned wires into the black connector and connect it to the connection on the BRABUS wiring harness. (Make sure the colors match)
- Pin the 3 loose cable ends of the BRABUS wiring harness into connector X187 of the Mercedes wiring harness according to the labeling.





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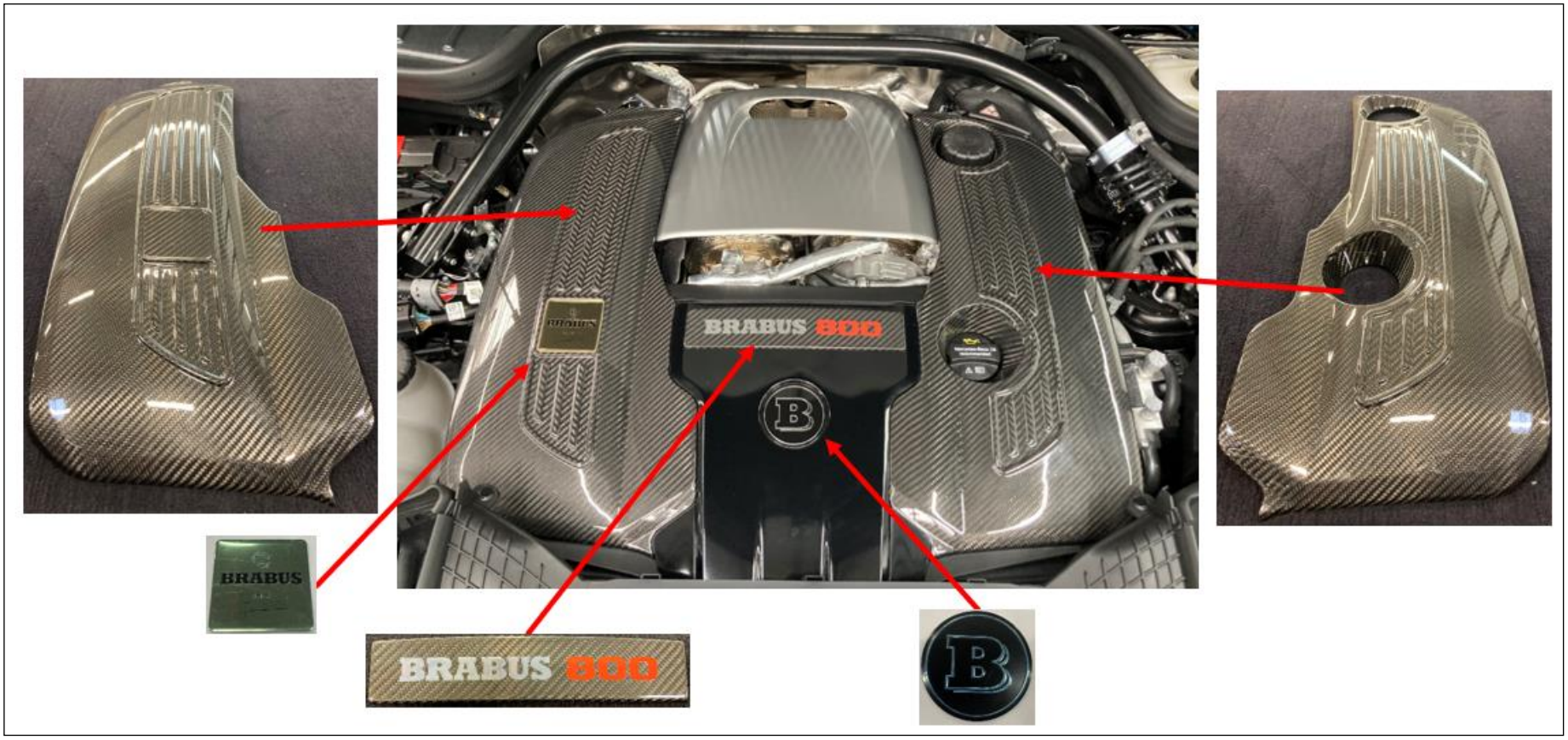
- Stick the 98-octane notice on the inside of the tank cap.



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Mounting positions of the emblems and design covers:

- Remove AMG badges, carefully clean and degrease all adhesive areas, glue Brabus lettering and emblems to the engine cover using the PU adhesive provided. Fix with suitable means until the adhesive has finally hardened after alignment.



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- Fasten the Brabus wiring harness at suitable positions using cable ties. Ensure that the wiring harness is laid without tension and that it is protected from damage.
- Install all removed panels and ensure that all electrical connections have been made carefully.
- Connect the vehicle battery and read out the fault memory. Delete any faults that occurred during installation and carry out a test drive.
- No further settings are necessary, PowerXtra is immediately ready for use after successful installation.

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