Performance-kit D6-S / G350 CDI-Bluetec
Right-hand drive vehicle 463-736-10

BRABUS®



Fitting instructions

Official technology-partners PIRELLI BILSTEIN ARAL YOKOHAMA ADVAN Member of VDAT

English



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.

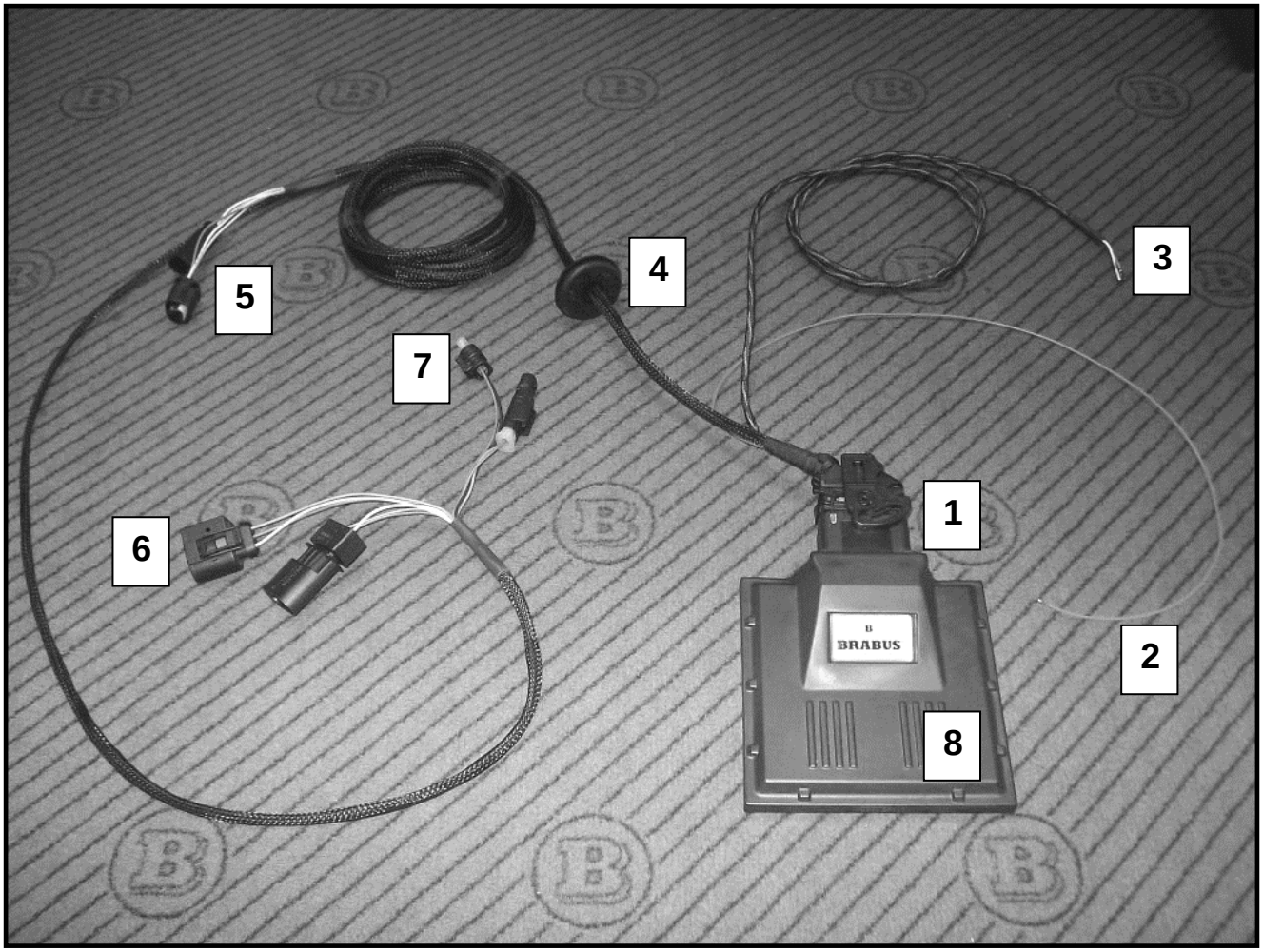
Included in delivery of BRABUS

1x PowerXtra control-unit	**002-636-10**
1x Wiring harness V6 „new“	**000-736-05-LS-RD**
1x „Brabus“-logo	**211-000-14**
1x Set of „powered by“-logos	**000-000-30**
1x TUV-certificate	
1x Fitting instructions	

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Configuration plan

1. **PowerXtra main plug**
2. **Power supply (red and orange/black cables to OBD-plug, lower dashboard cover)**
3. **CAN connector (to CAN-distributor within driver's footwell)**
4. **Rubber grommet for fuse and relay box insert, can be removed, only for use on E350 CDI!**
5. **Connection to boost pressure sensor (plug with 3 cables)**
6. **Connection to rail pressure sensor**
7. **Not used. Leave disconnected.**
8. **PowerXtra control unit**



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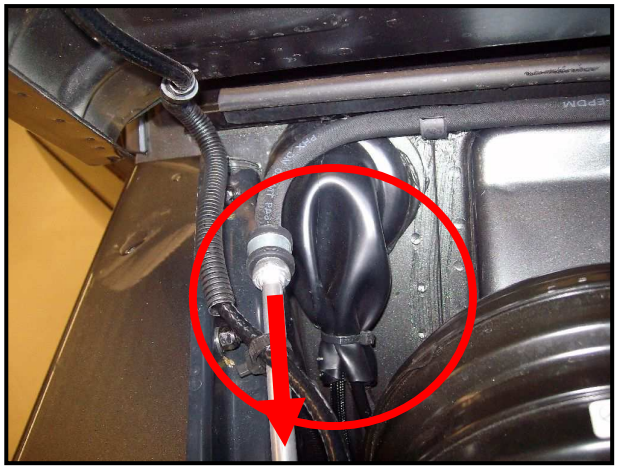
- **Remove the engine cover to get access to the connectors required.**

- **Remove the lower dashboard covers on both sides and the cover on the right side of the centre tunnel within the passenger footwell (3 screws), fig. below.**



- **Route the part of the harness with the three connectors for temperature, rail-pressure and boost pressure through the rubber grommet on the driver's side (see fig. below) into the engine bay. It may be easier to use a plastic litz wire and attach the connectors with adhesive tape to the litz wire prior to pulling it through.**





- **After the harness was routed into the engine bay check the length that is required within the engine bay and close the rubber grommet using a cable tie according to figure above.**

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- **Route the harness to the engine and the plugs to their connection areas (according to configuration plan, page 3). Attach it to the standard harness using cable ties.**



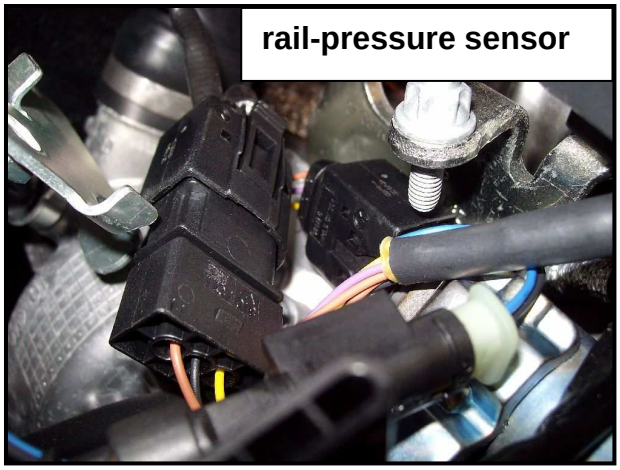
Connection to rail pressure sensor

5

- **Disconnect the original plug of the the rail pressure sensor and connect it to the BRABUS connector (plug 6).**

- **Attach BRABUS plug 6 to the rail pressure sensor.**

- **Attach the connector plugs with cable ties to protect them against temperature of the turbocharger and the exhaust system.**



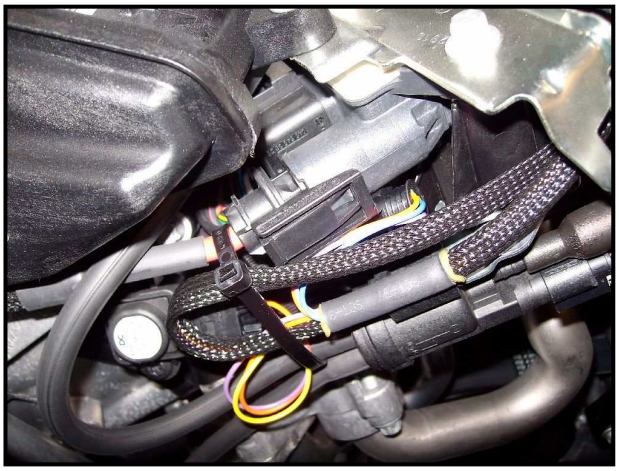
- **Route the harness to the boost pressure sensor.**

Connection to boost pressure sensor

- **Disconnect the plug of the boost pressure sensor and connect it to the Brabus connector (5).**

- **Attach the BRABUS plug 5 to the boost pressure sensor.**

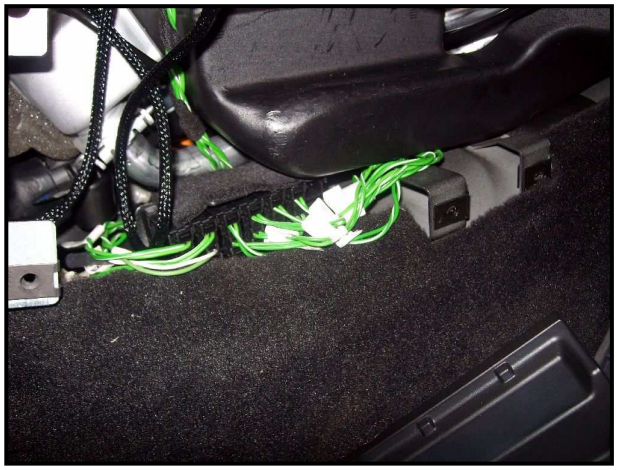
  Ensure the wiring is securely routed and protected against damage.





- **Reattach the engine cover and proceed with the connections inside the car.**

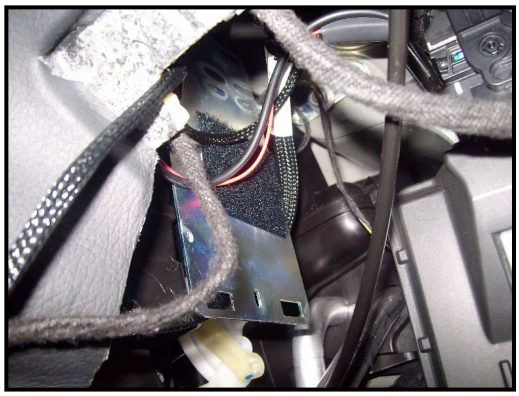
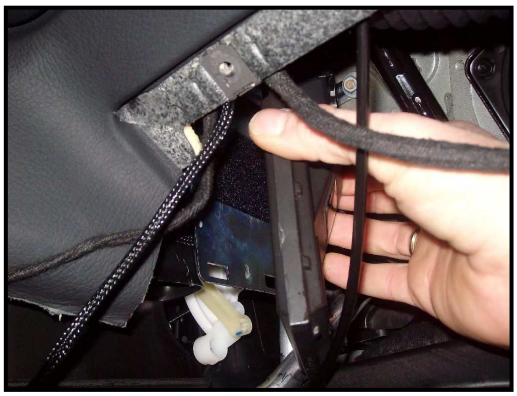
- **Route the CAN-wires (green, green/white) below the dashboard to the CAN-distributor that is located on the right side of the centre tunnel. Plug the pins of the green and green/white cable into the delivered 2-pole plug (take care for correct polarity). Connect the plug to a free port of the CAN-distributor.**





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- **Attach the control unit to the metal plate that is located on the right side of the centre tunnel using the delivered velcro tape, connect the main plug of the harness to the control unit before.**


- **Route the red and the black/orange cable of the Brabus harness below the dashboard to the passenger's side and to the OBD connector. Solder the red cable of the Brabus harness (+12V) parallel to the cable of pin16 and the orange/black cable (ground) to the cable of pin4 of the OBD connector.**



- **Reattach all previously removed cover parts and perform a test drive. Make sure the wiring was routed correctly and not trapped and cannot be damaged by sharp edges or heat.**

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