

Performance-kit B50-500 (250, 275km/h)
166-750-20-250/-275

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 next page.

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Included in delivery:

1x	000-CGI-02	Control unit
1x	000-755-05	Wiring harness incl. 2-pole plug
1x	000-755-05-100	Adapter harness ML63 LDS
1x	000-750-100	Cover left
1x	000-750-101	Cover right
1x	A050 545 0928	Plug housing
1x	211-000-14	„Brabus“-typing
1x	000-000-30	





000-CGI-02


000-755-05


000-755-05-100

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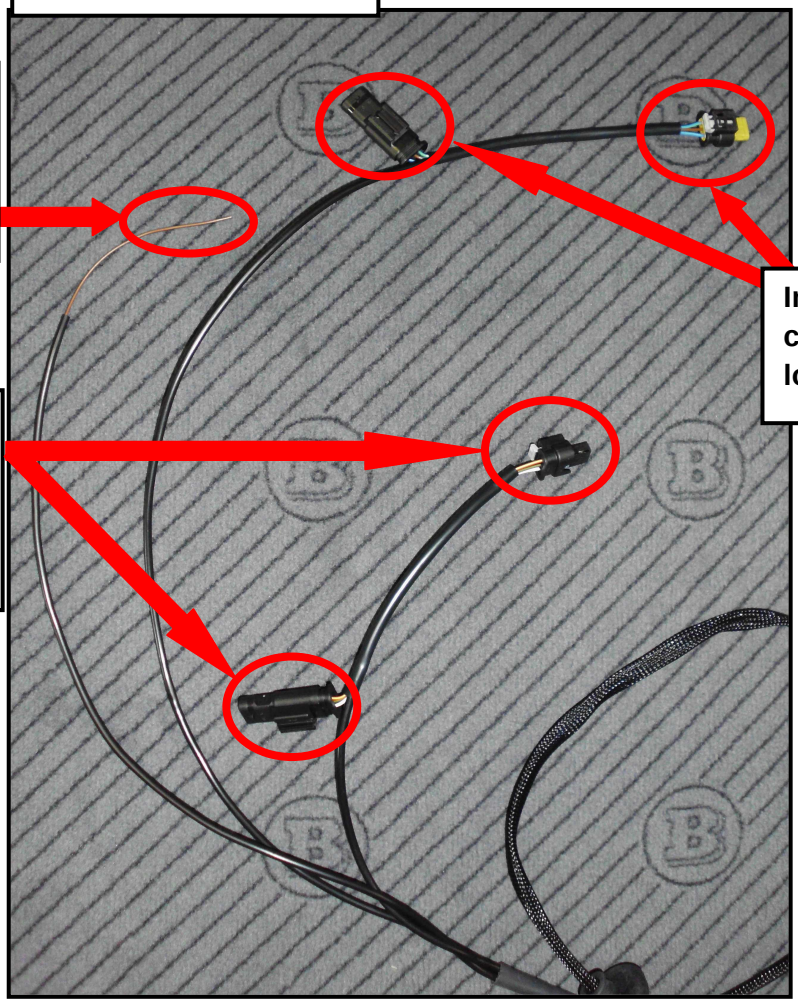
Engine bay harness

Ground connector, solder parallel to pin 2 of plug „F“

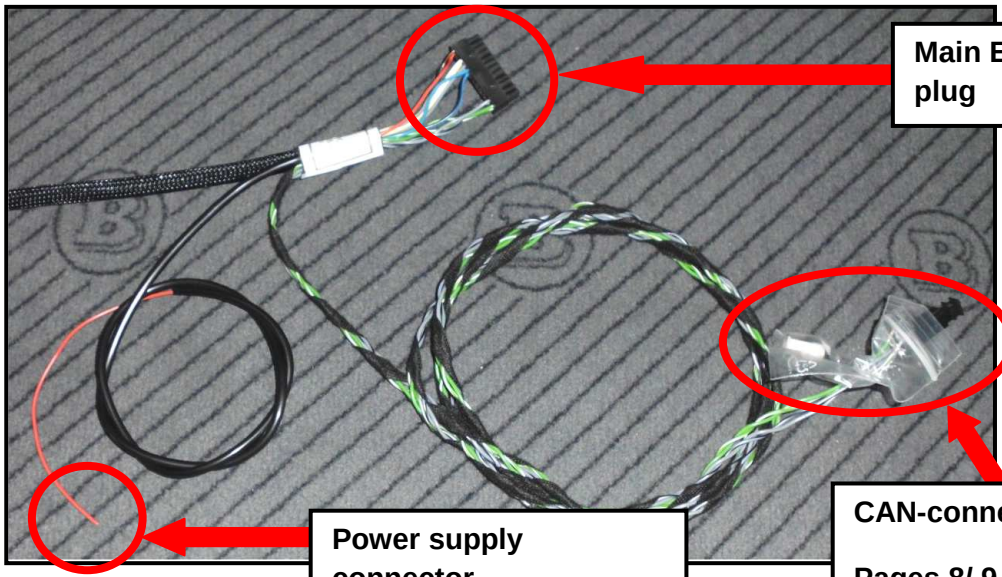
page 6

Intake pressure sensor-connector (plug set with long wire) page 7

Boost pressure-connector (connection with adapter harness 000-755-05-100)
page 6



3



Main ECU plug

Power supply connector

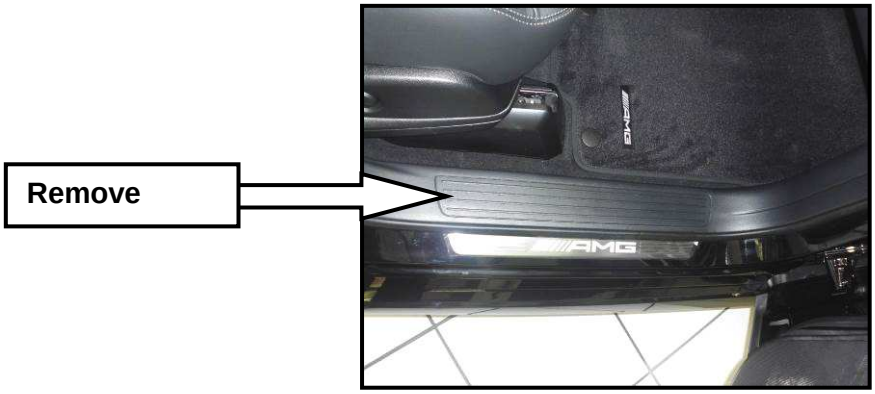
Page 9

CAN-connector

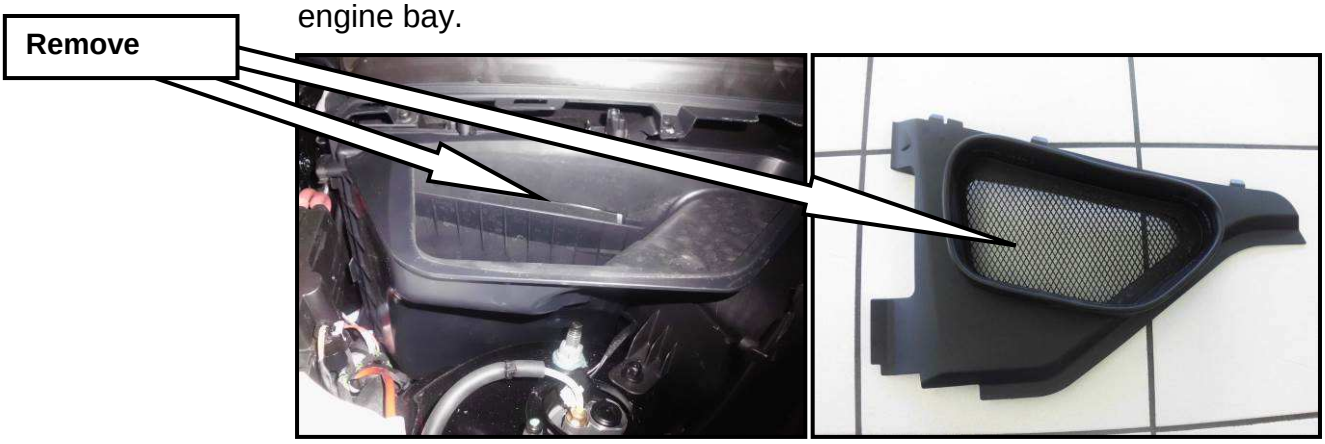
Pages 8/ 9

Preparation:

- Open the fuse & relay box within the engine bay.
- Remove the standard entrance panel.



- Remove the plastic trim shown and the air flow housing within the engine bay.



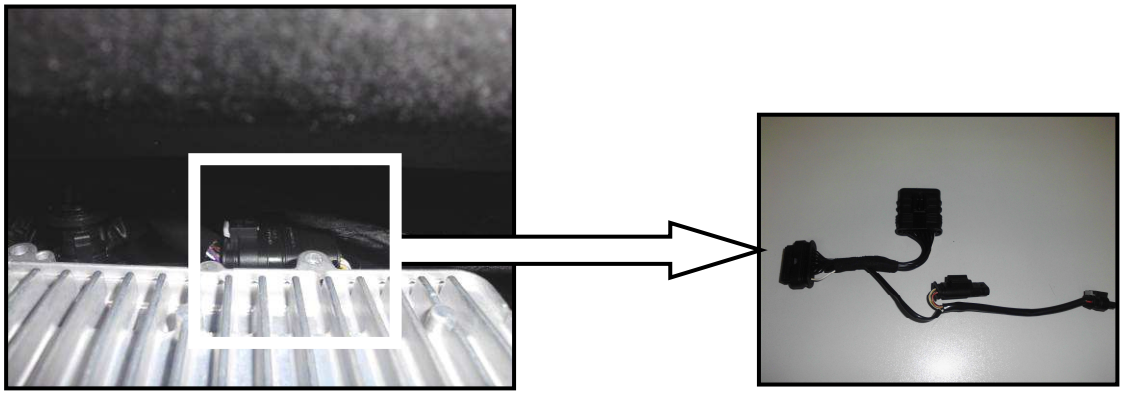
- Fold up the carpet within the passenger footwell in order to get access to the white CAN-distributor shown.



- Remove the plastic engine covers and the right airfilter-housing.

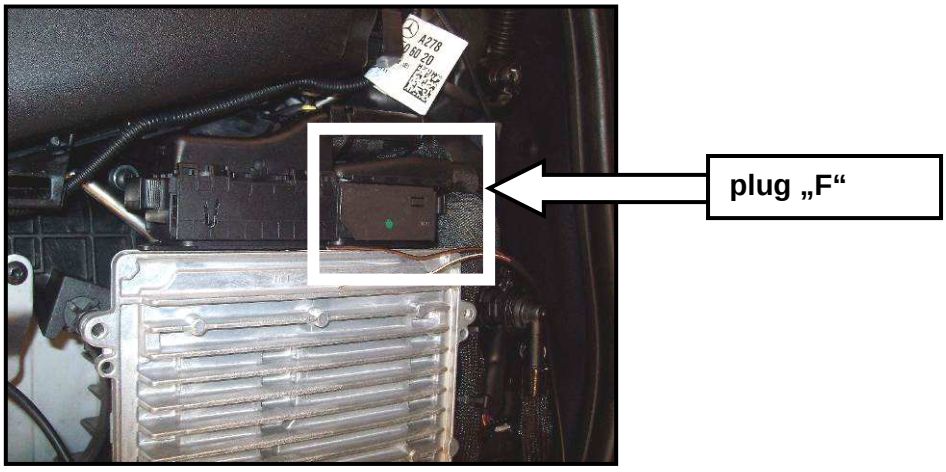
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- Route the engine bay harness to the charge pressure sensor (3-pole plug, colours white/ yellow, brown/ green, red/ yellow).
- Disconnect the connectors shoen (behind engine-ECU) and connect these to the adapter harness 000-755-100 supplied.



- Connect the boost pressure-connectors of the adapter harness to the Brabus harness.
- Route the brown/ black wire of the Brabus harness to the engine ECU.

- Diconnect plug “F” and disassemble the plug housing.
  Solder the brown/black cable (ground) of the Brabus harness parallel to the cable out of Pin 2 of ECU plug “F”.
  Leave the plug disconnected!

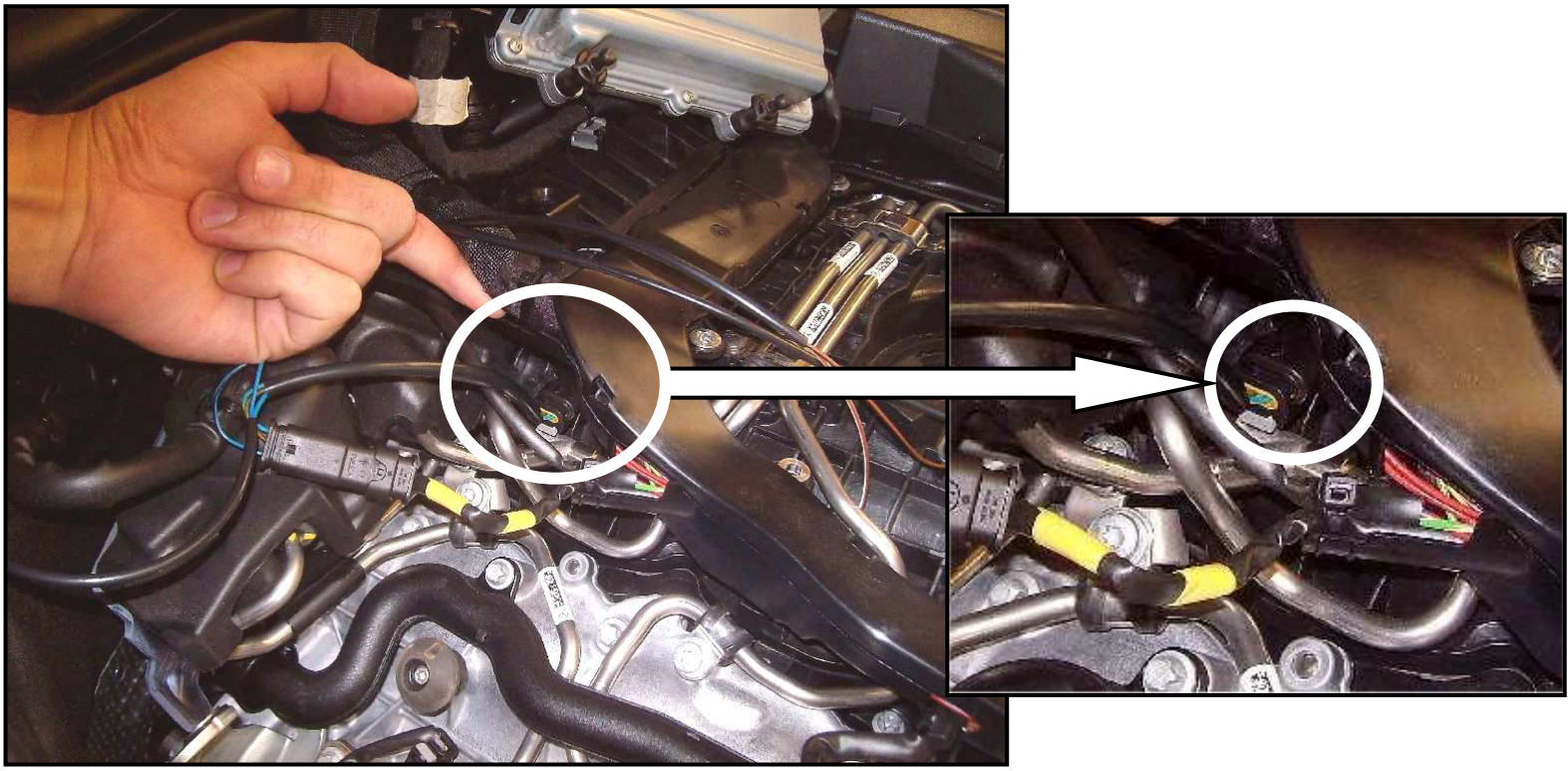


- Sufficiently isolate the soldered area!

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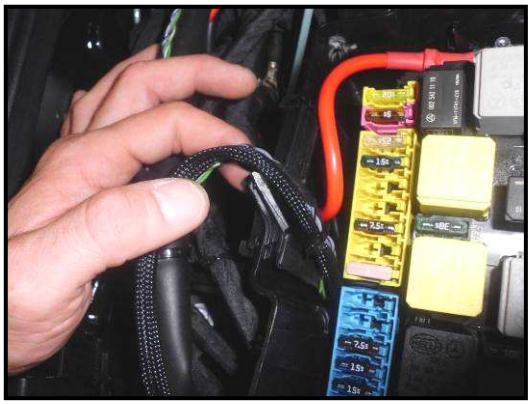
- Route the intake manifold pressure sensor-connectors (3-pole, cable colours blue/green, brown/green, blue) to the pressure sensor (see fig. below).

- Disconnect the standard plug of the intake manifold pressure sensor and connect it to the Brabus socket, attach the Brabus plug to the pressure sensor.

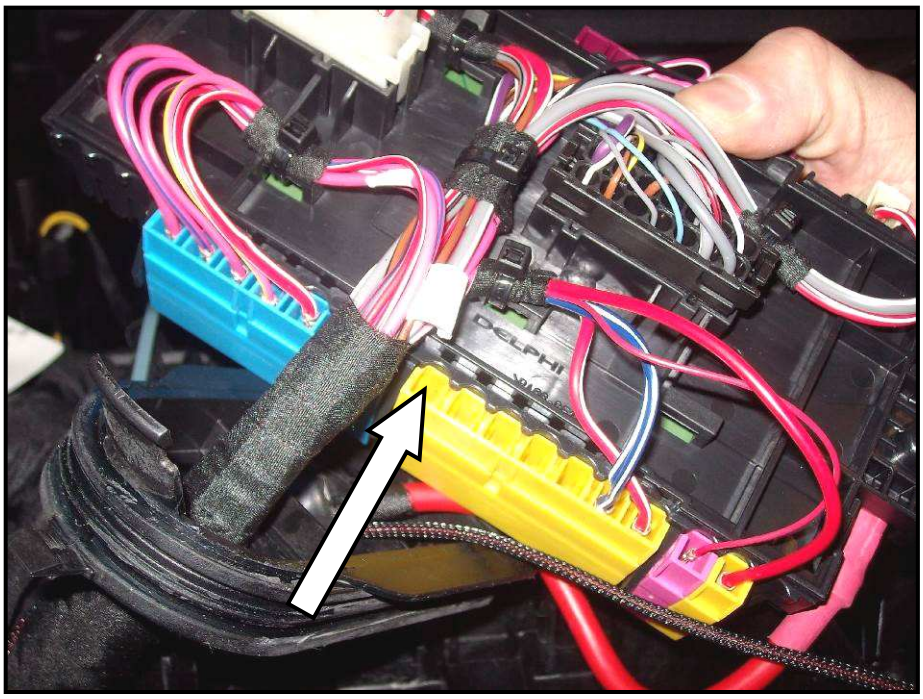


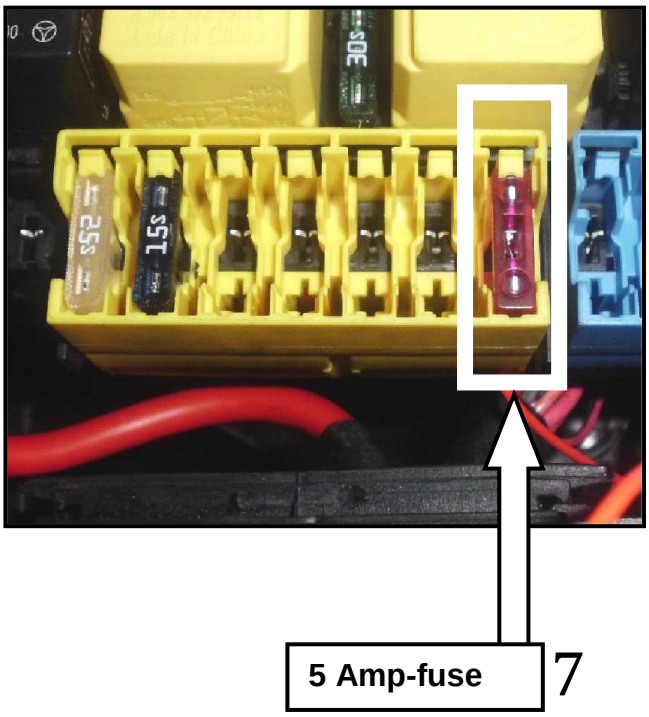
- Secure the engine bay harness to standard harnesses using cable ties in order to protect them against heat or sharp edges.

- Route the harness into the fuse and relay box by slightly cutting in the rubber grommet shown.

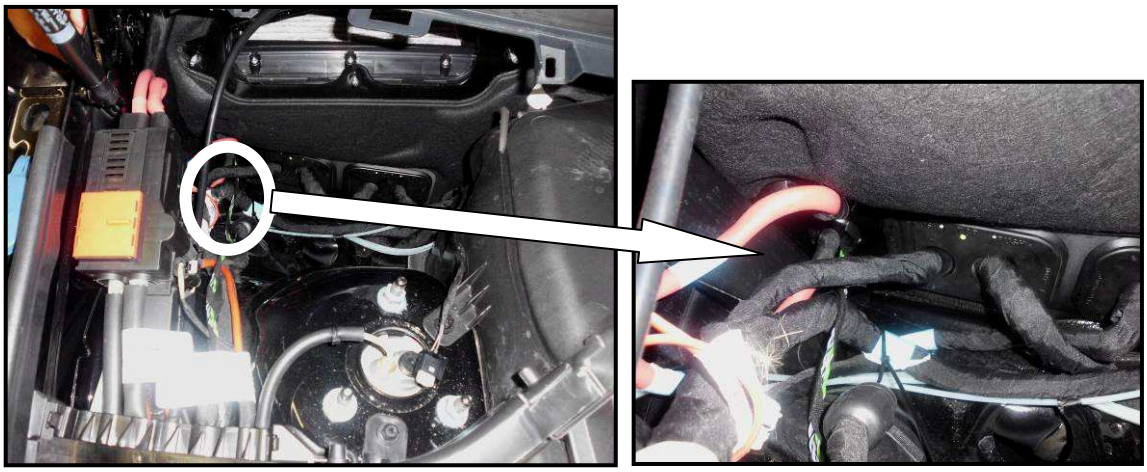


- Connect the red power supply-wire to the free port shown (yellow fuse panel).

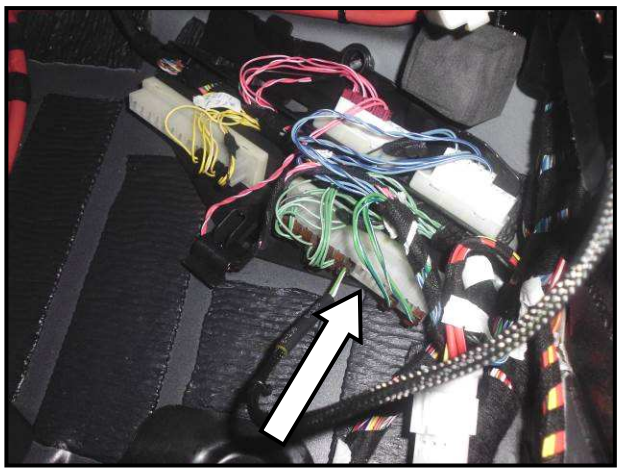




- Connect the main plug of the Brabus harness to the control unit and stow the module within the fuse and relay box.
- Route the CAN-wires (green, green/white) through the rubber grommet shown into the car.



- Attach the CAN-wires to the 2-pole plug supplied (take care for correct polarity) and attach the plug to a free port of the white CAN-distributor.



- Carefully disgrease the surfaces of the airfilter housings and attach the plastic covers supplied.

- Re-attach all previously removed cover and trim parts.

- Attach a 5 Amo-fuse to the fuse bracket the performance kit was attached to.

- Check the OBD system for fault codes and perform a test-drive.

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