BRABUS

Fitting Instructions

Front spoiler MJ 2003

Part No.: 463-260-10

G463

The greatest care should be taken when carrying out work in order to avoid damage! Before commencing work check that all parts that make up the scope of delivery have been supplied.

The front spoiler set consists of:

Quantity:	Description:	Parts No.:
1x	Front spoiler	463-260-10
1x	Cable set	463-251-03
1x	Glue	
1x	The lamp set consists of: 2 Main beam headlamps 2 Fog lamps Fitting material	
15x	Sheet metal screws 3.9x13	
2x	Splash guard (l. and r. incl. screws)	463-260-03
1x	Painting instructions	
1x	Fitting instructions	
1x	TÜV Certification	

Preparation

- Disconnect the battery
- Remove the two plastic corners from the standard shock absorber. To do so, undo one screw each on the top and the bottom at the inner side of the shock absorber und pull away the plastic corners to the outside.
- **Before painting**, ckeck the of the Brabus front spoiler at the vehicle for the right fit, rework if necessary.
- Paint the Brabus front spoiler according to the enclosed painting instructions.

Fitting of the headlamp set:

- Screw the head lamps carefully into the painted front spoiler, as described in the following figures 1-4. Use the enclosed fitting material.
  Please note: When installing the headlamps, ensure that the Main beam headlamp is installed into the inner lamp insert and the fog lamp into the outer lamp insert!!!

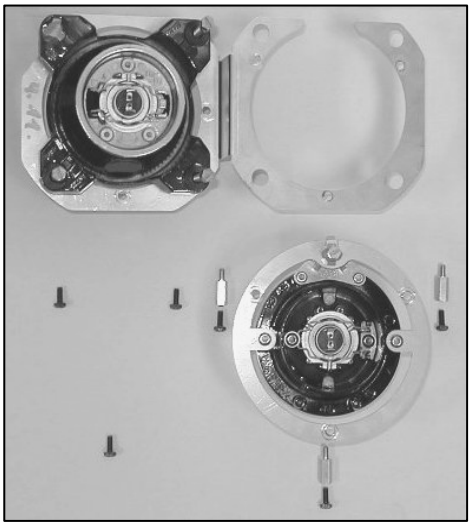


Figure 1 (Lamp set)

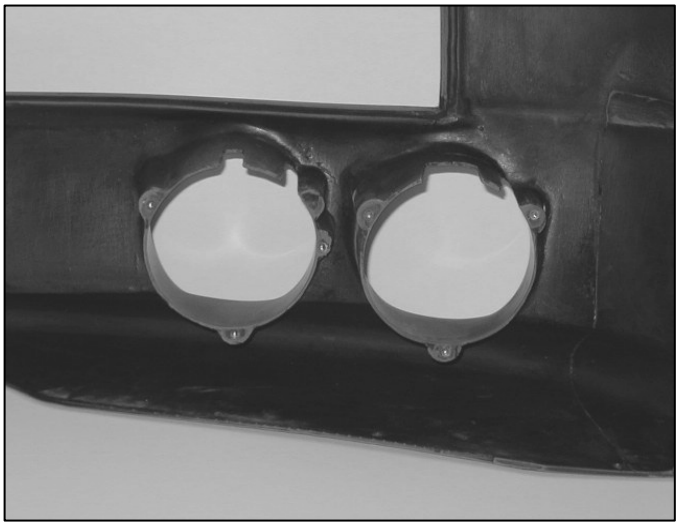


Figure 2

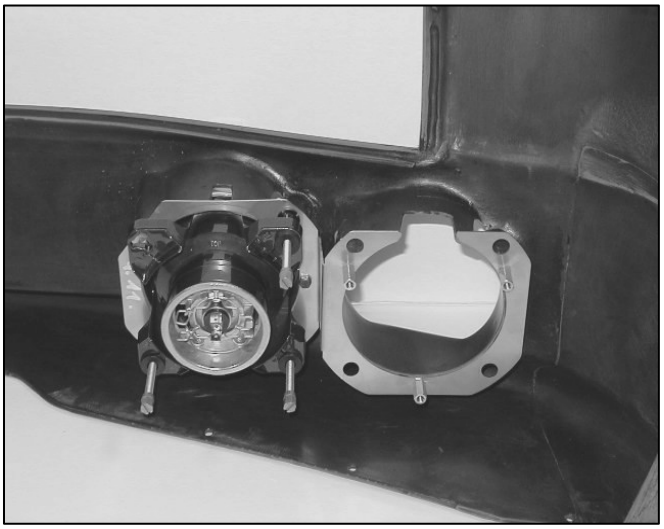


Figure 3 (Fitting of main beam headlamp)

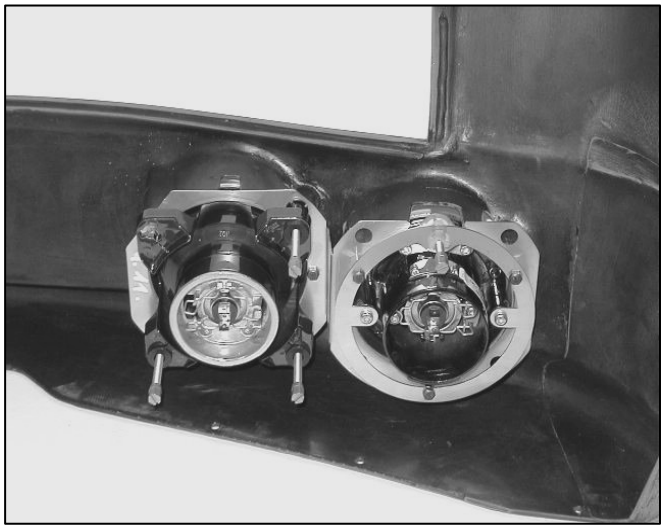


Figure 4 (Fitting of fog lamp)

- Pass electric cables through as per circuit diagram. (see page 5)

Fitting of the front spoiler

- After connecting the cable harnesses, install the front spoiler. To do so, clean the gluing area for the Brabus front spoiler at the vehicle. It must be free of dirt and grease.
- Apply the enclosed glue evenly on the contact areas (fig. 5, markings) between the Brabus front spoiler and the standard shock absorber.
  Please note: Do not apply the glue in blobs!!!



Fig. 5

- Fit the Brabus front spoiler in place on the vehicle until the glue has finally cured.
  Please note: Remove superfluous glue immediately!!!

- Drill 5 fitting holes through the spoiler into the marked area using a ∅ 3 mm drill. (Fig 5, arrows)

- Screw in screws 3.9x13.

Finishing the assembly

- Connect the battery.
- Start the engine.
- Carry out a functional test of the fog lamps and the main beam headlamps.
- Check the setting of the fog lamps and the main beam headlamps, adjust if necessary.
- Then, install the splash guard as shown in figure 6:

  - Screw in screw 2 and 2 through the splash guard into the inner fender.
  - Screw in screw 3 and 4 through the spoiler into the splash guard.
  - Screw in screw 5 from below through the spoiler into the splash guard.

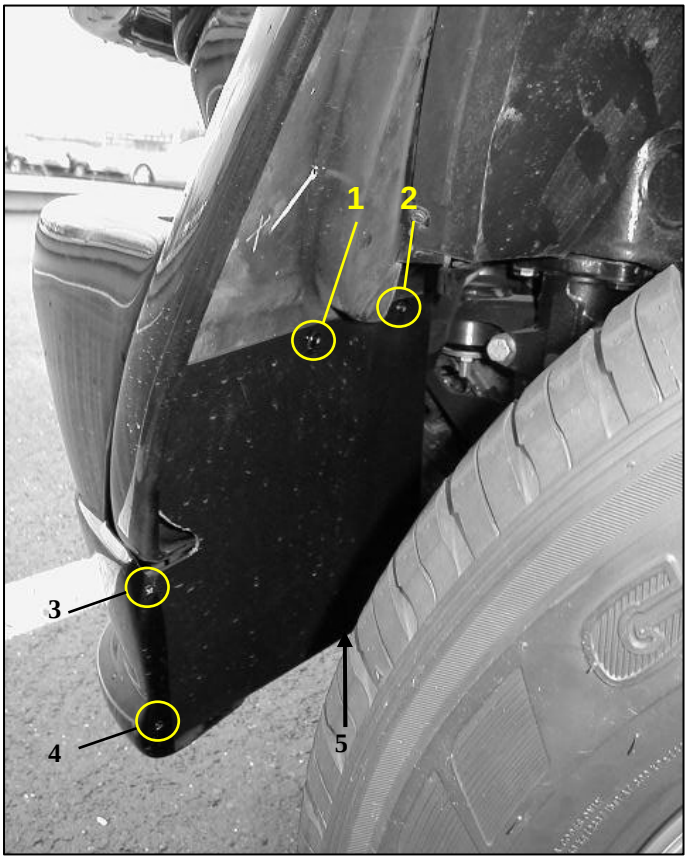


Fig. 6

Circuit diagram:

Laying of the cable harness

- Open the engine bonnet and remove the complete fan casing (**A,** Fig.7) according to the DC Fitting Instructions

  .
- Loosen the front inner fenders at the right and left side. (Fig. 8)

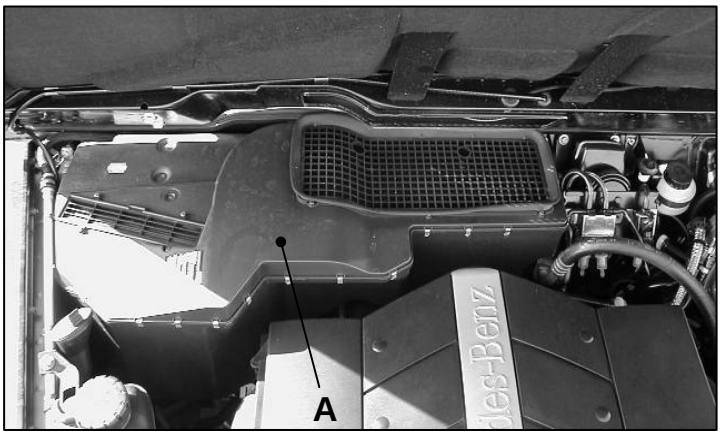


Fig. 7



Fig. 8

- Open the fuse box on the passenger side. To do so, open the two screw caps beneath the dashboard.
- Lay the cable harness through the standard cable opening (fig. 9, circle) to the inside into the floor.

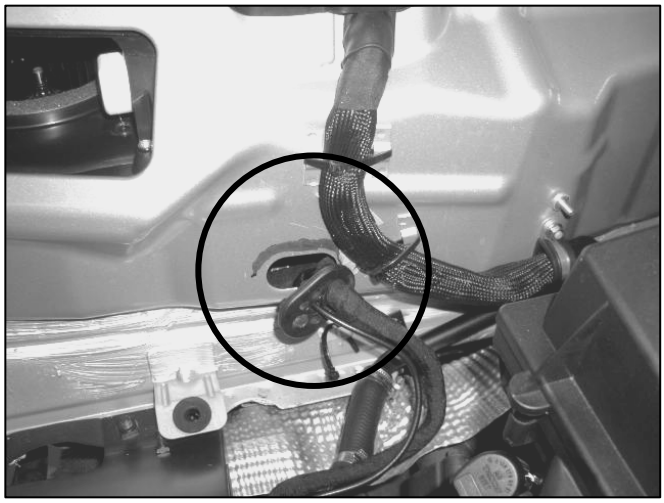


Fig. 9

- Lay the cable set from the fuse box through the module box into the engine compartment und pass it to the additional lamps.

Fitting of the cable harness

- Open the module box in the engine compartment.
- Open the lower trim on the passenger side and hang out the control unit SAM (1 screw, 1 nut).
- Lay the cable set through the rubber tube into the engine compartment and on to the additional lamps. Connect the enclosed flat cable plugs to the cable and insert into the 3-pin coupling.
  Please note: The de-installation of the fan motor (5 Torx screws from below) is recommended in order to gain easy access to the rubber tube.

- Install the front inner fenders at the right and left side.
- Establish the ground connection on the right and left of the engine compartment.
- Fix the two relay bases near the A-post.
- Fix the relay and connect to earth.
- Connect the **red** plus cable to pin position 8 (2-pin coupling).
- Solder the **white** cable, pin position 5 (6-pin coupling) to the **white** cable and **insulate it properly**.
- Solder the **black/green** cable, pin position 5 (6-pin coupling), to the **green/black** cable **insulate it properly**.

Please note:

- The light connection with the **brown** cable = earth
- The light connection with the **black** cable = fog light
- The light connection with the **white** cable = high beam
- Undertake setting the headlamps with a fully tanked vehicle.
- Tighten the screws on the headlamps.

BRABUS

Painting Instructions

PUR or ABS-
Plastic Parts

General

Cleaning	Glasurit-Universal Cleaner for Plastics 541-30 (SV 20-0330)
Sanding	Paper P 600 or intensively with Sanding-Pad
Cleaning	Glasurit-Universal Cleaner for Plastics 541-30 (SV 20-0330)
Primer	Glassofix-1 K Plastics Primer, translucent 934-0 (AX 90-0444) Viscosity: ready to spray Application: Cup-spray-gun; nozzle: 1,4 mm; 3-4 bar (45-58 psi) 1-2 coats (thin, but self-contained coat application!) Film thickness (cured film): ca. 10 p.m Flash-off-time (20°C): 15 min. Before Filler-App lication
Filler	Glassodur Tinting Filler 285-75 (AC 85-0075) Mixture A: 100 parts by Vol. 285-75 (AC 85-0075) 50 parts by Vol. Glassodur-Acrylic-Car-Enamel 21 similar to the colour of the enamel top coat now Mixture B: 100 parts by Vol. Mixture A 50 parts by Vol. 521-111 (AZ 21-0111) Glassodur-Soft-Face Additive now 100 parts by Vol. Mixture B 25 parts by Vol. 929-28/2 (SC 29-0282) Glassodur-Hardener, very fast 25 parts by Vol. 352-50 (SV 42-0150) Glassodur-Reducer, fast Application: 2 coats; Film thickness (cured film): 50-60 pm Drying: 40 min., 60°C
Sanding	Paper P 600
Top Coat	Glassodur-Acrylic-Car-Enamel 21- (AD 21-) mix 4:1 with 521-111 (AZ 21-0111), Glassodur-Soft-Face-Additive mixture above 2:1 with Hardener 929- (SC 29-) plus Reducer 352- (SV 41-/ SV 42-) or Glassomax-Base Coat Metallic 54- (AE 54-) or 94- (AE 94-) Glassodur-Acrylic Clear 923-56 (AF 23-0156) 4:1 521-111 (AZ 21-0111), Glassodur-Soft-Face Additive mixture above 2:1 with Hardener 929- (SC 29-) plus Reducer 352- (SV 41- / SV 42-)