

AC[®] SCHNITZER

**-Fitting Instructions-
Engine Spoiler**

–BMW F 800 R–

**Part No.:
S50800919603**



General Notes!



AC Schnitzer Engine Spoiler

Important Notes!

Read these Fitting Instructions carefully before starting installation work; the instructions do not claim to be complete for every working step. Subject to technical, editorial and content changes!! The Fitting Instructions describe the pre-assembly of the component. AC Schnitzer bears no liability for damage caused by incorrect installation!

Check that the goods are complete and correct before starting work.
Later complaints cannot be accepted.

These Fitting Instructions are intended for use by an authorised AC Schnitzer or BMW dealer only. These Fitting Instructions are directed in each case to specialists trained in BMW vehicles, with corresponding professional knowledge and tools. Knowledge of material properties and standards is required! GRP components must be adapted individually to the vehicle concerned. Where applicable, adequate clearance must be created manually. It is recommended that critical areas be protected from excessive heat by heat-shield foil or similar (e.g. BMW part no.: 46 54 2 316 611)

Before Fitting:

For fitting, the vehicle must be protected adequately against rolling away or falling.

We recommend the use of the standard main stand or an original BMW assembly stand! Keep children and animals out of the working area!

Risk of accident from loose articles or electrical short-circuit. Therefore before starting work, remove all jewellery (chains, watches, rings etc.)!

After Fitting:

After completing the work, carry out a test ride. After the test ride, check all bolt connections for firm seat and ensure that all moving parts have adequate clearance. Inform the customer of the modified ground clearance (e.g. when riding over kerb edges etc.). This component must be registered.

Fitting Time (1 unit = 5 minutes)

The fitting time is around **18 units**, which may vary depending on vehicle condition and equipment level. (This value is a recommendation only and is not binding!)

Painting Time (1 unit = 5 minutes)

18 units (recommendation only, not binding!)

Tools Required

Torx driver / inserts - sockets

Size: TX 30

Allen key SW 4, 8

Ratchet and various sockets

Threadlock (e.g. Loctite)

Hot air gun

Open-ended wrench SW 10

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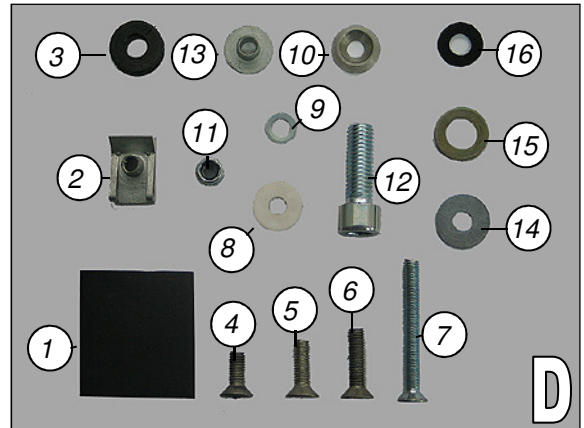
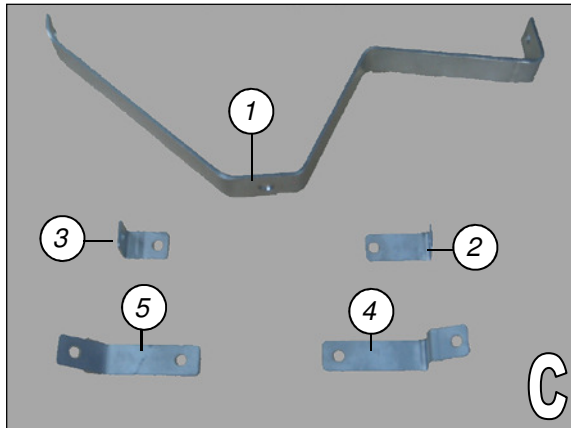
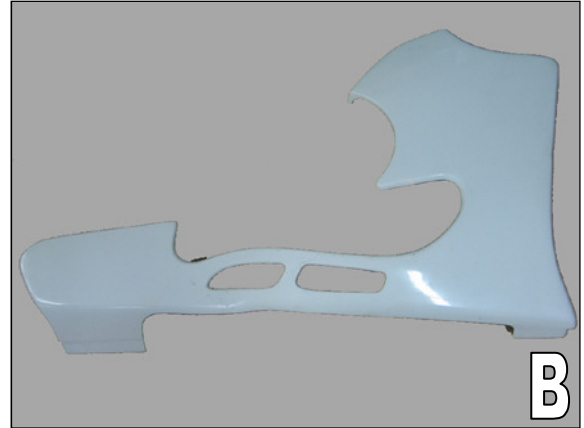
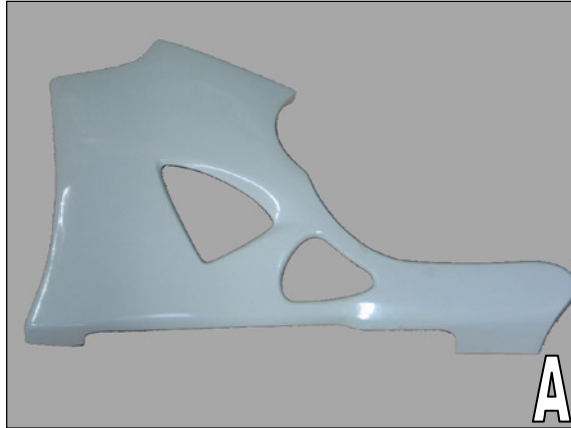
Fitting Instructions



AC Schnitzer Engine Spoiler – BMW F 800 R –

1.1 Components Supplied

1 AC Schnitzer Engine Spoiler part no.: **S50800919603** consisting of:



- A Side part left
- B Side part right
- C Bracket kit containing: Brackets 1-5 (numbered)
- D Attachment kit containing:
 - 1 → 1x heat-shrink hose 45mm - 2 → 6x spire nuts M6 - 3 → 2x rubber mounts
 - 4 → 2x countersunk bolt M6x15 DIN7991 A2 - 5 → 5x countersunk bolt M6x20 DIN7991 A2
 - 6 → 4x countersunk bolt M6x25 DIN7991 A2 - 7 → 2x countersunk bolt M6x40 DIN7991 A2
 - 8 → 1x plastic spacer sleeve - 9 → 2x washers M6x12x1,6 DIN125 A2
 - 10 → 13x countersink washer 11 → self-locking hex nut M6 DIN 985 A2
 - 12 → 1x socket head bolt M10x30 DIN912 A2 13 → 2x bushes
 - 14 → 7x repair washer M6x18x1,6 DIN9021 A2 - 15 → washer M10x20x2 DIN125 A2
 - 16 → 6x rubber washer
- E (not shown) 1x certificate

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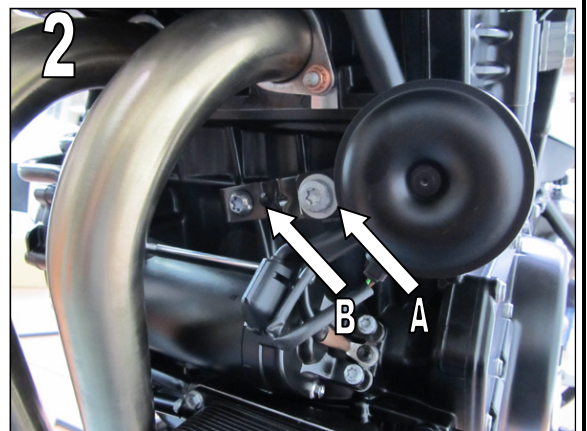
2. Fitting the AC Schnitzer Engine Spoiler

- Join right and left side parts (note overlap); at the front insert bolts (M6x25) supplied in countersink washers, push through engine spoiler and attach loosely with the repair washers and self-locking nuts supplied. Join side parts at the back in the same way, and attach loosely. Align side parts to each other and tighten bolts. If necessary separate parts again and rework transitions. Then definitively tighten bolts (note tightening torques) (Fig.1).

- For model years '15: Dismount horn on point "A".
- Disconnect cable
- Unscrew bracket "B" (Fig. 2)

- At the front, loosely attach bracket "1" to the engine block using the M10 socket head bolt & washer supplied (after the end of the work, coat all bolts with threadlock and tighten!) (Fig.3)

- Mount bracket at front left (Fig.4), removing the standard bolt...



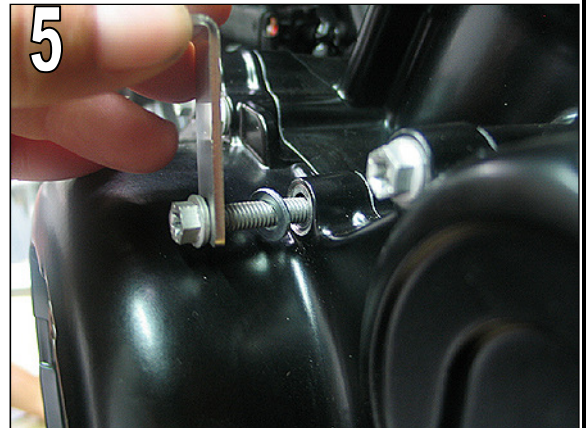
Fitting Instructions



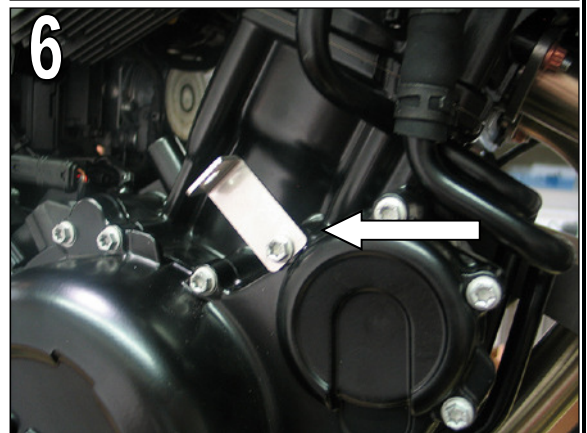
AC Schnitzer Engine Spoiler – F 800 R –

2. Fitting the AC Schnitzer Engine Spoiler (cont'd.)...

...assemble bolt with bracket & washer supplied as shown, and refit. (Carry out final assembly only after aligning the bracket / engine spoiler)
(Fig.5 NOTE: Symbolic picture!).



- (Pre-)mount the bracket on the right in the same way (Fig.6)



- Pre-(mount) the left rear bracket to the main stand holder.
Note sequence: push bolt (M6x40) through countersink washer, insert in main stand holder, then from the inside attach plastic spacer sleeve, bracket, repair washer and self-locking M6 nut (Fig.7).



- (Pre-)mount right rear bracket! (Fig. 8).
Sequence: push bolt (M6x40) through countersink washer, then push on bracket, insert in main stand holder and from the inside attach repair washer and self-locking nut.



Fitting Instructions

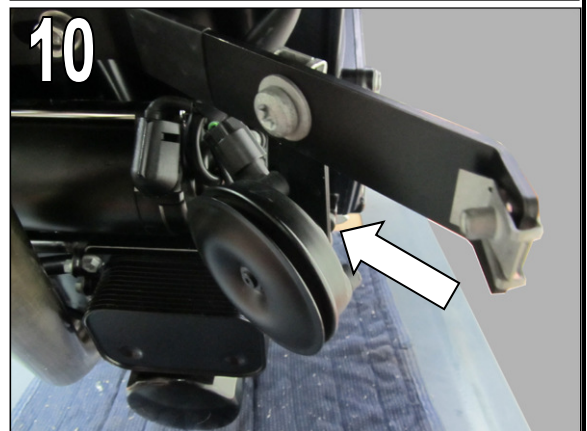
AC Schnitzer Engine Spoiler – F 800 R –

2. Fitting the AC Schnitzer Engine Spoiler (cont'd.)...

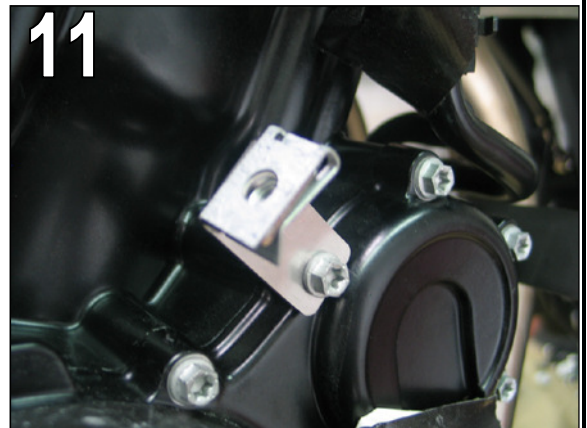
- Push heat-shrink hose supplied over the front bracket as shown. Position at the level of the starter cable, and shrink. If necessary bend starter cable away slightly to maintain clearance between bracket and cable. Also if required wrap / reinforce starter cable with fabric adhesive tape as permanent protection against short circuits!! (Fig.9).



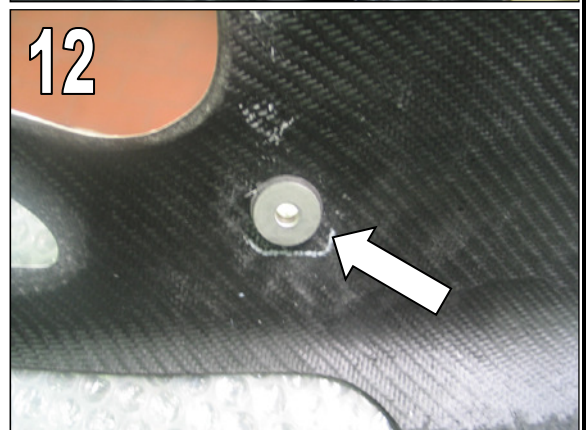
- For model years '15: Screw on horn at delivered bracket "1" with serial screw and serial metal nut.
- Connect wire to horn and fix cable (Fig. 10)



- Fit M6 spire nuts supplied on all fixing holes (threads are always on the inside, or not visible!) (Fig.11 = Symbolic picture)



- Insert rubber mounts supplied into both side parts at the rear, insert bushes into rubber mount from the inside (Fig.12).



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AC Schnitzer Engine Spoiler – F 800 R –

2. Fitting the AC Schnitzer Engine Spoiler (cont'd.)...

- Turn the handlebars to full deflection and from the front, fit the joined and prepared engine spoiler to the vehicle and align individually. Push front bolts (A) M6x20, side fixings (B) M6x15, rear fixing points (C) M6x25 through countersink washers supplied and screw into spire nuts. If necessary adjust brackets or rework predrilled passage bores (Figs.13 & 14). !!Ensure that all brackets sit flat against the engine spoiler!!! If necessary adjust brackets!

TIP: When fitting the engine spoiler, protect area around alternator and clutch from scratches with fabric adhesive tape or similar.

After aligning, tighten all brackets within reach. Remove engine spoiler again, dismantle and paint. After painting, re-assemble the engine spoiler, on the inside tack rubber washers to the fixing holes (with grease, adhesive etc) and attach engine spoiler to the vehicle. Coat all fixing bolts with threadlock, insert and carry out final assembly. Ensure adequate clearance, in particular from hot components. If necessary protect area concerned with heat-shield film (e.g: BMW part no.: 46 54 2 316 611).

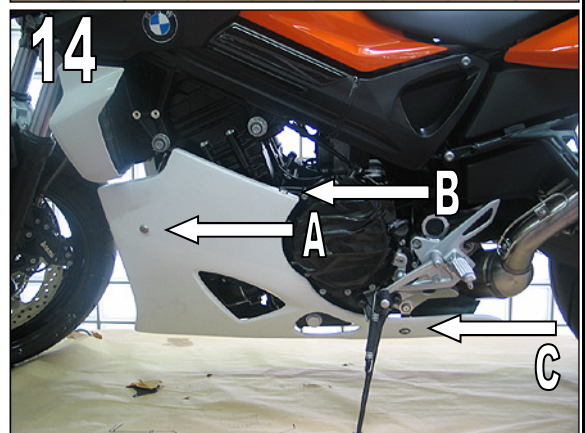
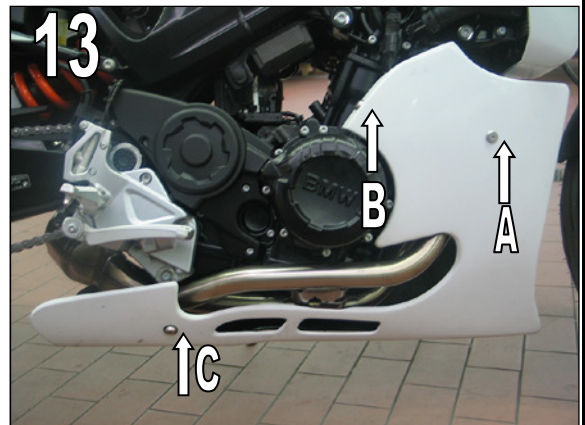
Do a test ride after complete fitting the engine spoiler.

Check all screws that they fit tight.

Check function of horn.

Inform customer of the modified ground clearance (e.g. when riding over kerb edges etc.).

This component must be registered!



Painting Instructions



Notes on Painting AC Schnitzer Components

General Preparations:

- Before starting work, temper the AC Schnitzer components; to do this, heat the components for 15 minutes at 40° to 50° Celsius, ensuring the components are placed on suitable jigs to prevent distortion!
- After cooling, clean the components thoroughly using Universal Cleaner (Glasurit No.: 541-30)!
- Dry sand the components with "Red Sanding Pad" (3M), smoothing down or removing seams and edges with 150 grade abrasive paper.
- Mask off contact surfaces, rating plates and TÜV markings on the components with masking tape or similar so that no filler residue remains on the surfaces concerned.
- Clean the components thoroughly again using Universal Cleaner (Glasurit No.: 541-30), rub down with a damp sponge (to prevent static charges) and allow to dry.

Fillers:

Mixing ratio for filler: 4 parts "filler", 1 part "hardener" and 1 part "thinner"

Filler (*):

Glasurit - HS Filler No.: 285-60

Hardener:

Glasurit - Filler Hardener – very short – No.: 929-28/2

Thinner:

Glasurit - Thinner No.: 352-91

(*) = for aluminium parts: Use Glasurit - EPOXY Filler No.: 8011552!

- Mix the filler as specified above, and prefill broken and rounded edges and seams twice. Then fill the entire component twice (including edges and seams!).
- Heat components to 40° to max. 45° Celsius for one hour and leave to dry.
- Check components for pores (holes), if necessary puncture or cut away blisters, fill with plastic stopper (Glasurit Ratio No.: 83920) and leave to dry.
- Remove masking tape!

Painting:

- Wet sand the entire component with 800 grade abrasive paper.
- Blow off component with compressed air, then clean with Universal Cleaner (Glasurit No.: 541-30).
- Rub down component with damp sponge (to prevent static charges) and allow to dry.
- Only now mask off the contact surfaces (not the rating plates and TÜV markings) with masking tape.
- In the spray booth, blow off component again lightly and rub down carefully with a dust cloth.

Mixing ratio for base coat: 1 part "paint" and 1 part "thinner"!

Paint (produce to BMW number):

Glasurit - Two Coat Cover, 55 line

Thinner:

Glasurit - Thinner

No.: 352-91

- Depending on shade, apply the prepared paint in two to four cross sweeps.
- Allow to flash off at 20° Celsius for approx. 15 minutes (base paint is then completely matt).

Mixing ratio for clear: 2 parts "clear", 1 part "hardener" and 1 part "thinner"

Clear:

Glasurit - MS Clear No.: 923-155

Hardener:

Glasurit - Hardener MS short no.: 929-71

Thinner:

Glasurit - Thinner No.: 352-91

- Apply the mixed clear in 1½ cross sweeps!
- **Note: Do not use "adhesion agent" or "softface" (softener)!**

Drying:

AC Schnitzer recommends: Paint components the night before and leave to dry over night at room temperature or for at least 8 hours at max. 30° Celsius. If this is not possible, allow the components to dry for two hours at 40° to max. 45° Celsius (watch for component distortion!).

- After drying, wet sand any dust inclusions with 2000 grade abrasive paper and polish the entire component.

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