

AC[®] SCHNITZER

**-Fitting Instructions-
Superbike Handlebar Conversion**

–BMW F 800 R–

**Part No.:
S50800940406**



General Notes!

AC Schnitzer Superbike Handlebars

Important Notes!

Read these Fitting Instructions carefully before starting installation work. The instructions do not claim to be complete with regard to every working step. Technical and editorial changes, and amendments to content, are reserved!!

AC Schnitzer bears no liability for damage caused by incorrect installation!

Check that goods are complete and correct before starting the work.

Later complaints cannot be accepted.

These Fitting Instructions are intended for use exclusively by authorised AC Schnitzer or BMW dealers. 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!

WARNING!:

Work on the steering and braking systems constitutes a safety risk. Incorrectly performed work can have serious consequences. Therefore do not carry out this work unless you are confident working in these areas!

Before installation:

For installation, the vehicle must be adequately secured against rolling or falling.

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

Risk of accident from catching or electrical short circuit! Before starting work therefore remove all jewellery (chains, watches, rings etc.)!

After installation:

After completing the work, carry out a test ride. After the test ride, check all bolt connections for firm seat and all moving parts for adequate clearance. The function of the electrical system and the absence of leaks from the brake system must also be checked.

Fitting Time (1 unit = 5 minutes)

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

Painting time (1 unit = 5 minutes)

Not applicable.

Tools Required

- see page 4

Fitting Instructions

AC Schnitzer Superbike Handlebar Conversion – BMW F 800 R –

1.1 Components Supplied

1 AC Schnitzer Superbike Handlebar Conversion Part No.: **S50800940406** consisting of:

A Handlebar tapered and predrilled S221-00949-15



B Handlebar end set "Stash Cap" 232-05224-15 consisting of:
2x weight, 2x cover cap, 2x spread sleeve, 2x bolt
2x spreader (only available as set!)



C Brake line kit 120-20700-41 consisting of:
1x brake line, 4x seal ring, 2x shrink hose
(only available as set)



D Mirror extension kit BK 02 consisting of:
2x mirror extension, 2x cover cap, 2x bolts,
2x spacers (only available as set)



E Bolt M6x15 7380-10.9/zn



F Not shown: 1x part certificate

Fitting Instructions

AC Schnitzer Superbike Handlebar Conversion – BMW F 800 R –

1.2 Tools required

Drill and bit Ø 3.5 mm

Torx bolts / driver / inserts / sockets

Sizes: TX8 / TX15 / TX25 / TX30 / TX40 / TX55

Small straight slot screwdriver

Allen key SW 4,5,8

Ratchet and sockets in various sizes

Torque wrench

Side cutters

Cable ties or similar

Thread lock (e.g. Loctite)

Hot air gun

Open-ended wrench SW 8,17

2. Removing the Standard Handlebars

- Remove right & left rear view mirrors completely by lifting the rubber cover and unscrewing the fixing completely (SW 17) (Fig.1).



- Remove right & left handlebar weights completely (TX55, not re-used) (Fig. 2).



- Remove lower cover of electrical unit by undoing the screws with a screwdriver (TX8) and removing them (Fig. 3).



Fitting Instructions

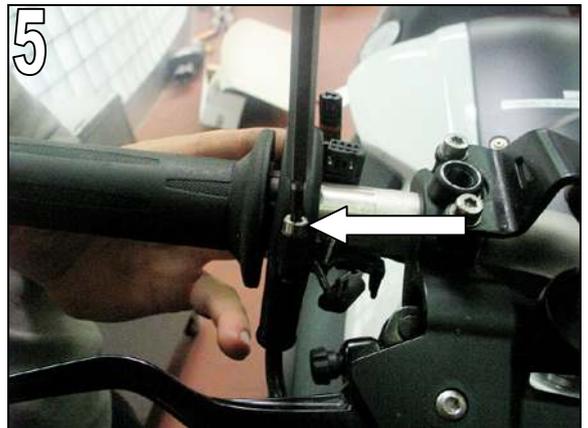
AC Schnitzer Superbike Handlebar Conversion – F 800 R –

2. Removing the Standard Handlebars (cont'd)...

- Remove plug for right-hand electrical unit, release fixing screw (TX8) and remove electrical unit from handlebar (Fig.4).



- Remove throttle grip cover (TX15) (Fig.5).



- Unscrew fixing screw for throttle grip (TX15), extract throttle cable, remove throttle grip completely (Fig.6).



- Unclip brake light switch, remove fixing bolts for fitting (TX25) and remove entire brake fitting (Fig.7).



WARNING: Air in the brake system leads to malfunctions. Support or suspend the brake fluid reservoir so that no air from the reservoir can enter the line system!!! Brake fluid can damage painted surfaces!!! Protect painted surfaces from damage using suitable means!!!

Fitting Instructions

AC Schnitzer Superbike Handlebar Conversion – F 800 R –

2. Removing the Standard Handlebars...

- Unclip clutch switch, remove clutch fitting (TX25), extract clutch cable (Fig. 8).



- Unclip and remove lower cover for electrical unit (Fig.9).



- Unclip plug on left-hand electrical unit, but do not open the electrical unit! (Fig.10)



- Unscrew fixing screw for the left grip unit and remove grip unit completely (Fig.11).



Fitting Instructions

AC Schnitzer Superbike Handlebar Conversion – F 800 R –

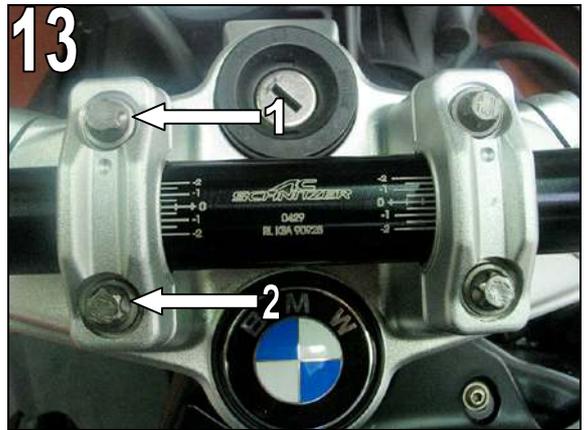
2. Removing the Standard Handlebars

- Remove clamp block bolts (T10) and remove standard handlebars (Fig.12).



3. Fitting the AC Schnitzer Superbike Handlebars

- Place AC Schnitzer handlebar in the lower clamping blocks and centre, loosely mount upper clamping blocks (dot = direction of travel forward). First tighten top bolt (1) then bottom bolt (2) (30Nm). After fixing the first clamping block (2 bolts) the handlebar must not be able to rotate!! Attach 2nd clamping block first at the top, then at the bottom. Carry out a rotation test!! If the handlebars can be rotated, see Fig. 14!!



- If the handlebar can still be rotated after tightening the first clamping block, remove the top clamping blocks and grind flat the straight contact surface (Fig.14).

Refit clamping blocks and after tightening the bolts, check that the handlebar cannot be rotated; if necessary repeat the procedure until definitively secured!!!

(Important! If the handlebar can rotate, this is a safety risk. Carry out the procedure carefully and check to make sure there are no grounds for complaint!!)



- After checking that the handlebar cannot rotate, push left grip back on again and mount with standard fixing bolt through the predrilled hole in the handlebar. (Warning! Hole is predrilled only! If necessary, drill out to \varnothing 3.5mm). Ensure that the fixing nut is properly threaded! (Fig.15).



Fitting Instructions

AC Schnitzer Superbike Handlebar Conversion – F 800 R –

3. Fitting the AC Schnitzer Superbike Handlebar

- Separate cable tie from fixing, recreate plug connections on left-hand electrical unit. Clip in place lower cover of electrical unit. Re-attach wiring harness - but higher - to holder with cable ties (Fig.16).



- Open left-hand cable holder, remove clutch cable and re-attach cable holder (Fig.17).



- Lay clutch cable as shown. Connect cable, mount clutch fitting (Fig.18).



- Mount clutch fitting so that when the clutch lever is pulled, it does not press against or operate the headlamp switch!! (Fig.19)



Fitting Instructions

AC Schnitzer Superbike Handlebar Conversion – F 800 R –

3. Fitting the AC Schnitzer Superbike Handlebar

- Mount mirror extension supplied (arm & spacer roll) (must be registered!). If there is insufficient thread depth in the standard fitting, insert the spring ring supplied between the arm and the spacer roll and re-attach the extension (Fig.20). Check for free access to controls / switches (both sides)! Mount standard rear-view mirror on mirror extension (SW 17).



- Join end weight as shown, coat screw thread with thread adhesive or similar, screw on clamp head and insert in AC Schnitzer handlebar (Fig.21).



- After insertion, tighten handlebar weight with Allen key (SW5) (Fig.22). **NOTE:** If the screws are not inserted with adhesive, the handlebar weights can become detached or lost; this does not give grounds for complaint! (Fig.22).



- After attaching the handlebar weight, lightly coat the end cap with silicon spray or similar and press onto the handlebar weight (Fig.23).



Fitting Instructions

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3. Fitting the AC Schnitzer Superbike Handlebar

- On right-hand side in direction of travel → detach radiator holder (TX30) and remove bolt (Fig.24).



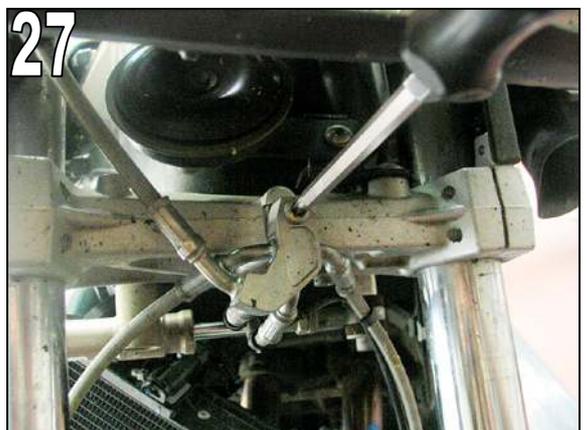
- Release lower cover of push fan frame, and remove water radiator from mounting completely to create access to brake lines (Fig.25).



- Fit heat-shrink hose to brake line as shown, and slide over the ends of the neoprene sheathing. Shrink heat-shrink hose with a hot air gun until the ends form a transition between the neoprene hose and the steel flexi pipe (Fig.26).



- Release standard bracket for line, remove bolt (not re-used) (Fig.27).

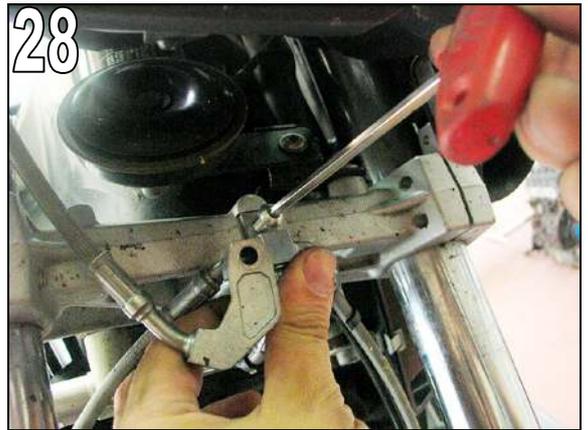


Fitting Instructions

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3. Fitting the AC Schnitzer Superbike Handlebar

- Attach lower holder of brake line distributor using the screw supplied (M6x15 SW 4) (Fig.28)



- Pre-route brake line supplied: At bottom, above handlebar damper, below lower fork bridge. At top, between headlamp holder, instrument carrier and upper fork bridge (Fig.30). The 75° connection is connected to the control unit, the 90° connection to the hand pump. Before releasing the standard brake line, protect large area around radiator against escaping brake fluid with plenty of paper or similar. (Fig.29)



First detach control unit connection, remove hollow bolt, fit new sealing rings and attach brake line supplied using the 75° connection. Neutralise any escaped brake fluid immediately.

WARNING: Brake fluid can damage painted surfaces!!!
Protect painted surfaces from damage using suitable means!!!



- In the second step, replace the standard brake line at the hand pump with that supplied, as shown. Release the hollow bolt, fit new sealing ring and re-attach (Fig.31).
 - Then loosely pre-mount the brake fitting to the AC Schnitzer handlebar.
 - **Neutralise any escaped brake fluid immediately!**
 - After aligning the brake line, re-attach the water radiator and push fan frame.



Fitting Instructions

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3. Fitting the AC Schnitzer Superbike Handlebar

Unscrew throttle cable from holder and lay as shown, then screw in again and after completing the installation work, attach with cable ties (Fig.32).



- Re-attach the throttle grip holder using the standard bolt.

Note: Through hole is predrilled only, if necessary drill out to \varnothing 3.5mm (Fig.33).



- Re-attach throttle grip cover using the standard screw. Ensure that the cable is laid correctly with free movement! (Fig.34).



- Finally: Complete installation of:
 Throttle grip (adjust!)
 Electrical unit (plugs)
 Brake light switch
 Brake fitting
 Mirror extension
 Handlebar end weight
 (Fig.35)



Fitting Instructions

AC Schnitzer Superbike Handlebar Conversion – F 800 R –

3. Fitting the AC Schnitzer Superbike Handlebar

Concluding work

In principle, all tightening torques and procedures specified by BMW apply! These Fitting Instructions are merely an aid to the work to be performed.

- Bleed brake system according to BMW Service Instructions!!! Check brake fluid levels!!!
Check brake system for leaks!

- Check for adequate clearance between moving parts!

- Check that all cables, wires and fluid lines are laid strain-free!

- Carry out test ride, check function of all electrical components/switches! Check again that the handlebar cannot rotate!

- After the test ride, check all bolts again for firm seat and tighten if necessary.

- Point out the modified seating position and new riding behaviour to the customer!

This component requires registration. After conversion, the vehicle must be demonstrated to an officially accredited expert or similar!

Subject to errors, technical refinement and modifications!