

ATC[®] SCHNITZER

- Assembly instructions -
Superbike-steering-conversion
BMW R nineT
RACER



Part no.: S50121740406

General information!



AC Schnitzer Superbike-steering-conversion BMW R nineT Racer

Important information!

These assembly instructions must be read in full before starting the installation work and do not claim to be complete with regard to each work step. Subject to technical and editorial changes, as well as changes in content! AC Schnitzer accepts no liability for damage caused by improper installation!

Check the goods for completeness and integrity before starting work.

Later complaints cannot be considered.

These assembly instructions are intended for use only by authorised AC Schnitzer or BMW dealers. The target group of these assembly instructions is in all cases BMW vehicles trained specialist personnel with the appropriate expertise and tools. Knowledge of material properties and standards is required! Work on hydraulic systems should only be carried out by qualified personnel!

Before assembly:

The vehicle must be adequately secured against rolling away or falling over for installation.

For this purpose, it is recommended to use the standard main stand or an original

BMW mounting stand! Keep children and pets away from the work area!

Risk of accident due to catching or electrical short circuit! Therefore, you should deposit jewellery (chains, watches, rings, etc.) before starting the work!

After assembly:

After completion of the work, a test drive may have to be carried out! After the test drive has been completed, all bolted connections must be checked for firm seating and all moving parts checked for sufficient clearance.

Installation time (1 AW = 5 minutes)

The installation time is approx. 18 AW, which can vary depending on the condition and equipment of the vehicle.

(This value is only a recommendation and is not binding!)

Required tool

Standard automotive tool

Additional: hexagon nut SW 36

Standard Torx tools

Additional: Torx lathe Tx 8

Adhesive tape

Torque wrench 2 - 100 Nm

Motorcycle scissor lift

Screw adhesive medium hard

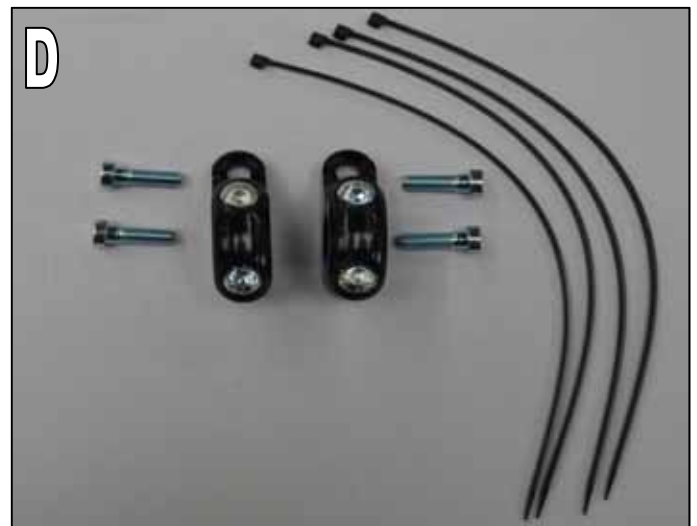
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Delivered components



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- A** AC Schnitzer Fork bridge
- B** AC Schnitzer Special steel flexible brake line
- C** AC Schnitzer Short Caps
- D** AC Schnitzer Clamping block
- E** AC Schnitzer Aluminium steering arms Typ 0239 black drilled

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2. Assembly

- Securely park the vehicle and secure it from falling over or rolling away.
- Protect the fuel tank against damage.
- Relieve the front wheel with a scissor lift.

- On both sides of the vehicle:
Remove the handlebar end weights.
Cable for heating handle / electrical units off
Rubber bands and fastenings.
Brake line from fixing / clamp (Fig.1)



- Remove the manual valves from both sides of the handlebars by unscrewing the bearing shells completely. Place the manual valves in such a way that no air can get into the hydraulic system (Fig.2)



- Fold the rubber on the left-hand handle and unscrew the free fixing screw completely. Make sure that the fixing nut is not lost (opposite / not visible).
- Do not try to remove the electrical unit yet! (Fig. 3)



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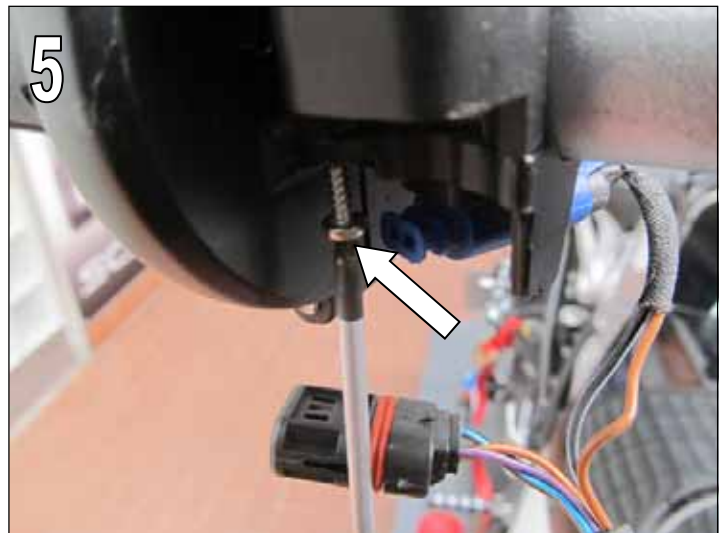
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2. Assembly (follow up)

- Remove the lower cover on the right-hand handle and unscrew it completely with a Torx screwdriver (Tx 8)
(Fig. 4)



- Disassemble the fixing screw on the exposed electrical unit, disconnect the plug connections and remove the electrical unit. (Fig. 5)



- Unscrew the fastening screw of the gas twist grip completely. Do not try to pull the throttle handle yet! (Fig. 6)



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2. Assembly

- Loosen fastening screw right & left of fork bridge clamp on the standpipe ~ 2 turns. (Fig. 7)



- Carefully pull of the ignition / handlebar lock cover upwards.

- Loosen the central fixing nut of the triple clamp with nut (SW 36) and remove the nut and washer
- To this end, apply fabric tape or similar to the nut to avoid scratches on the fork bridge. (Fig.8)



- Unload the front wheel by means of a scissor lift and remove the fork bridge with the display unit from the standpipes upwards.
- Remove throttle handle etc. now.
- Cleaning the head tube thread. (Fig. 9)



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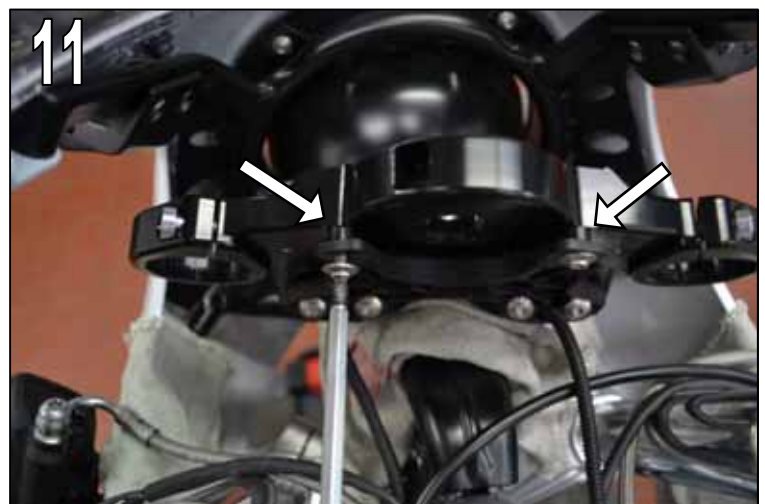
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2. Assembly

- Detach the display unit from the standard triple clamp (TX25) and remove the triple clamp (Fig.10)



- Attach the display unit to the AC Schnitzer triple clamp. Mount the distance rollers as shown in the illustration (Fig.11)



- Place the AC Schnitzer triple clamp as far as it will go
 - Place the flat washer as standard.
 - Spread medium-strength screw adhesive on the locking nut (M28 x 1) and fasten.
- Tightening torque: 100 Nm.
- Tighten the fixing nuts of the standpipe clamp (M8 x 25). Tightening torque: 19 Nm.
 - Lower the front wheel again (Fig. 12)



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2. Assembly

- Mount the lower clamping block shells on the AC Schnitzer fork bridge. Brush M8X25 cylinder head screws with screw adhesive and tighten with 19 Nm. (Fig.13)



- Attach the electric unit (left) and the throttle handlebar to the AC Schnitzer handlebar. Insert the handlebars into the lower clamping block shells and fasten the upper clamping block shells with the supplied mushroom head screws M8X20. Align the handlebars and tighten the screws. Tightening torque 19Nm (Fig.14)



- Make sure that there is enough space between the handlebar and the windscreen when the handlebars are fully impacted.

- If necessary change the inclination of the handlebars.

- On the left:
Electrical unit with standard screw (M3.5 x 30 = 1Nm = analogous) at the end. (Fig. 15)



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2. Assembly

- To the right:

Fasten the throttle handle with the standard screw (M3.5 x 30 = 2Nm = correspondingly). (Fig. 16)



- Place the electrical unit on the unit and fasten it with the standard screw.

(M2.5 x 15 = 0.4Nm = analogous!) (Fig. 17)



- Attach the lower cover to the electrical unit, making sure that the locking lugs are in the correct position.

- Fasten the cover with the standard fixing screw (M2.5 x 15 = 0.6Nm = analogous)

(Fig. 18)



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- Place the manual valves on the left and right hand side of the tubular handlebars, re-establish position and secure them in place. Tightening torque: 8 Nm
- The position must be changed if necessary.
- When mounting, make sure that the clutch handle does not press against the remote light switch when actuated.

(Fig. 19)

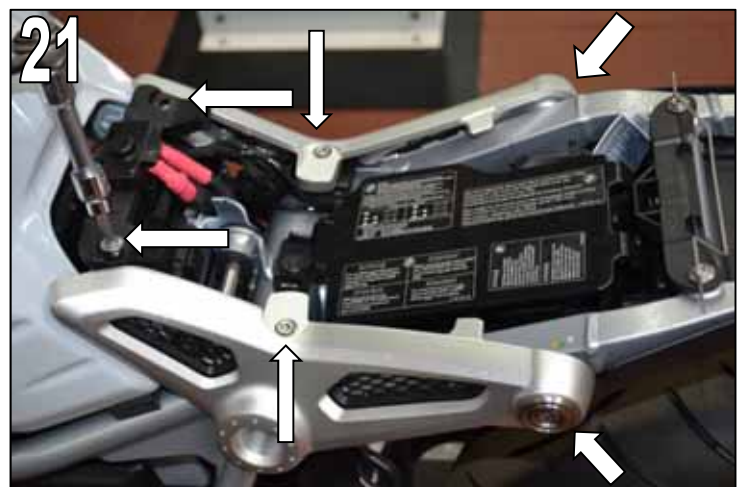


- Remove the seat cusps and driver's seat (Fig. 20)



- Remove the driver's seat support left and right, remove the battery pole holder and the control unit in the tank opening (Fig. 21)

- **CAUTION: Short circuit hazard!**



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2. Assembly

- Raise fuel tank, disconnect power supply. Press the fuel pressure line lock and remove the line from the connection. Remove the aeration/ventilation hoses from the fuel tank.
- Remove the fuel tank and store it securely between bearings, protecting the fuel pump plugs from damage. (Fig. 22)



- Take off the open control line from the brake unit. Loosen and remove the Torx fastening screw.

ATTENTION: Brake fluid can damage surfaces!
Protect painted surfaces from damage with suitable means

- Immediately neutralise any brake fluid leaked. (Fig. 23)



- Lay the supplied AC Schnitzer steel flex brake line on the right hand side of the head tube and fix it with new sealing rings to the brake assembly (Fig. 24).
- Reattach cable ties in the same way as the serial brake line



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2. Assembly

- On the right-hand side, separate the brake fitting from the standard brake line and fit it with new sealing rings to the already laid AC Schnitzer brake line above the standard sealing.
- On the left-hand side of the coupling fitting also loosen the coupling cable and reattach it above the standard locking mechanism. (Fig. 25a).
- **Immediately neutralize the escaping brake fluid.**
- After completion of the work, bleed the brake and clutch system according to the manufacturer's instructions!



- Prepare the supplied handlebar end weights according to the illustration, apply a medium-strength screw adhesive to the Allen screw. (Fig. 26)
- Slide the end weights into the handlebar and tighten. Make sure that the weights are firmly seated. The throttle grip must return automatically to the starting position after actuation, if necessary, mount the final weight with slightly more distance to the throttle grip. (Fig. 26)



- Reassemble the vehicle with all attachments. When assembling the fuel tank, ensure that the sealing ring is undamaged and, if necessary, replace it. (Fig. 27)



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2. Assembly

- After assembly, check the free movement to all components and realign if necessary.
- Move the steering rod from end stop to end stop and check the clearance between all components..
- Fasten electrical cables to the steering rod using cable ties.
- Check the function of the handlebar lock (Fig. 28).

(handlebar lock only locks into position on the left-hand side) Fix the cable harnesses of the electrical units to the handlebar using cable ties.

Make sure that at no time electrical or hydraulic lines are jammed or lengthened!



Execute closing operations:

- In principle, all tightening values and procedures prescribed by BMW apply!
- These assembly instructions are intended to assist you in carrying out the work.
- Bleed the entire brake system according to the vehicle manufacturer's instructions.**
- Check that the handlebar lock is functioning (handlebar closes to the left only!) If necessary, rework the steering stop!
- Carry out a functional test of the entire electrical system including lighting.
- Carry out a test run! Then check all screws for tightness, check fluid level of the
Check the braking device, fill up if necessary.
- This component is subject to registration! After the conversion, the vehicle must be equipped with an officially approved recognised experts or the like to be demonstrated.
- Make sure that there is sufficient clearance between moving parts.
- Ensure that all cables, cables and fluid lines are laid without tension!
- Advise customers of a change in the seating position, changed centre_of gravity and new driving behaviour!

Errors, technical development and changes reserved!