



## **-Fitting Instructions-**



# **Hand Lever Type AC S 2**

## **on BMW S 1000 XR**

# Fitting Instructions



## AC Schnitzer Hand Lever AC S II

### 2. Fitting

#### - General Notes -

- **Before starting** work, park the vehicle safely and secure against falling or rolling away. (Fig. 1)
- **After completing** the work, carry out a test ride and check that the hand levers and electrical system (clutch switch / brake light switch / GRA switch and lighting system) function properly.
- A general operating licence is supplied with the AC Schnitzer hand lever type ACS2. This must be given to the customer with the information that these documents **must be carried on every ride!**

- The AC Schnitzer hand levers have 6 settings. The current position can be seen from the line marking. (Fig. 2) To adjust, press the hand lever slightly forward (in direction of travel), and turn the adjustment lever clockwise/counter-clockwise as required. AC Schnitzer recommends that adjustments are only performed when parked. In all cases, ensure there is **sufficient remaining travel** on operation. AC Schnitzer bears no liability for damage resulting from incorrect installation and lack of remaining travel!

- Before mounting on the vehicle, install the long or short extension (1 long & 1 short supplied per lever) using the fixing bolts supplied. For this, from the outside insert the desired extension flush into the guide of the lever concerned, and secure with 6 bolts per lever.

- Warning: Do not overtighten bolts! (Fig. 3)



# Fitting Instructions



## AC Schnitzer Hand Lever AC S II

### 2. Fitting the brake lever

- Remove the hand guard (SA) where fitted by releasing the Torx bolt, removing this and removing the handlebar weight and spacer. (Fig. 4)



- Push mirror bolt rubber cap upward. Release fixing for the standard rear-view mirror (SW14) and remove mirror. Remove aluminium plate and hand guard from vehicle. (Fig. 5)



- From below: Release fixing nut (SW 10) and remove. (Fig. 6)





# Fitting Instructions



## AC Schnitzer Hand Lever AC S II

### 2. Fitting the brake lever

- From above: Release slot screw and remove from hand fitting. Remove hand lever from fitting. (Fig. 7)



- Lightly grease bush and contact point on hand lever supplied, and place AC Schnitzer hand lever on the standard fitting. Position standard fixing bolt and screw in (1 Nm). (Fig. 8)



- From below: Position standard fixing nut on bolt already screwed in, and secure while holding the bolt from above (6Nm). (Fig.9)  
- Refit the hand guard to the vehicle, and re-attach with mirror and handlebar weight.



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# Fitting Instructions



## AC Schnitzer Hand Lever AC S II

### 2. Fitting the clutch lever

- Remove the hand guard on the clutch side, where fitted. Proceed as for brake side. (Fig. 10)



- Pull clutch lever and secure in the tensioned position using the 19-size fork wrench adjuster on the engine. (Fig. 11)



- Release Bowden cable from adjuster and hand lever. (Fig. 12)



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# Fitting Instructions



## AC Schnitzer Hand Lever AC S II

### 2. Fitting the clutch lever

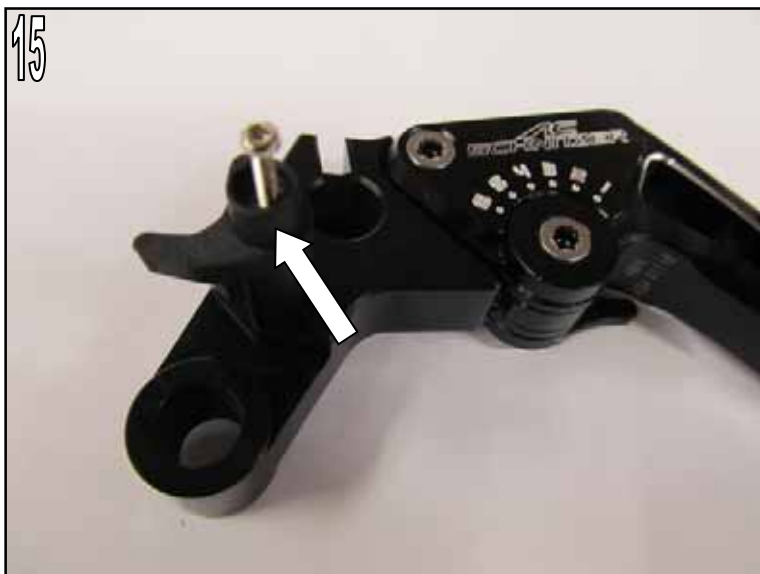
- From below: Release fixing nut and remove nut and washer.
- From above: Release Torx fixing bolt and unscrew, remove standard lever from vehicle. (Fig. 13)



- On the underside of the standard clutch lever, unscrew the Torx bolt on the switch control and remove the switch control from the hand lever. (Fig. 14)



- Place the standard switch control in the same position on the AC Schnitzer clutch lever supplied, and secure with the standard screw. (Fig. 15)





# Fitting Instructions



## AC Schnitzer Hand Lever AC S II

### 2. Fitting the clutch lever

- Lightly grease the bush supplied on the inside and outside, and push into the rotary point of the AC Schnitzer hand lever. (Fig. 16)



- Place the prepared hand lever on the standard clutch fitting, and secure with the Torx bolt (1Nm). From below: Place the standard washer and nut on the Torx bolt and tighten. 6Nm)



- Slightly pretension the adjuster on the gearbox using the size 19 spanner, and connect the cable to the hand lever.
- If necessary, adjust the clutch play according to BMW specifications at the knurled wheel when the engine is cold. (Fig. 18)



# Fitting Instructions



## AC Schnitzer Hand Lever AC S II

### 2. Fitting the clutch lever

- Check that there is sufficient clearance from the standard headlight switch with the AC Schnitzer hand lever in position "1". If necessary, loosen the clutch fitting on the handlebar and turn down slightly. (Fig. 19)



- Refit any hand guards to the vehicle and secure. (Fig. 20)



- Screw the standard mirror to the clutch fitting and secure. (Fig. 21)  
Ensure that the microswitch(es) on the clutch control operate perfectly.  
When riding, ensure there is sufficient separation travel when the clutch is applied. The clutch must not "slip" when the hand lever is pulled.  
- Give the customer the certificate which must be carried on every ride.



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