

# CAE SHIFTING TECHNOLOGY GMBH

ALTE BOTTROPER STRASSE 103  
45356 ESSEN  
PHONE +49 201 8777 802  
E-MAIL: INFO@CAE-RACING.DE

## INSTALLATION MANUAL CAE ULTRA-SHIFTER PORSCHE WITH CAE HD SHIFTCABLES



The CAE shifter is designed for Porsche's cars without interior equipment and is optimized CAE HD shiftcables  
Center console have to be removed

### **WARNING!**

**Due to the design of motor sport and therefore missing rubber damping elements engine and transmission noises and vibrations may transmitted into the interior**

### Delivery:

1 x Pre-mounted shiftunit complete  
1x Shiftcable (S) with Aluadapter  
1x Selection cable (W)with Aluadapter at gearbox side  
2x Rubber caps for Ball Heads at gearbox levers  
4x Cotter pins  
Installation Instructions

### **Reinstallation:**

Remove the center console and trim parts.  
Remove also the parking brake lever and stock shift unit  
*to relax the brake cables under the lever, push the clamping device to the back and hang out the cables side by side*

*Lift the Car with an approved lifting device safely  
Dismount the underbody panels*

# CAE SHIFTING TECHNOLOGY GMBH

ALTE BOTTROPER STRASSE 103  
45356 ESSEN  
PHONE +49 201 8777 802  
E-MAIL: INFO@CAE-RACING.DE

*Then remove Shiftcables including sealing-rubber downside*

## **Installation:**

*Grease the ball joints. After securing the complete assembly of the shifter secure ballheads with the cotter pin.  
Glue all nuts / bolts while assembling !*

*Never bend the shift cables!*

## **Preparations for the installation of CAE Cables:**

remove the rubber gasket with a sharp knife carefully from the original cables, cut the rubber side up along the cables, the cables can be removed.

Insert the CAE cables as shown on the following image in the rubber.



Picture shows inner side of the cables

Occupancy of the rubber (in driving direction )  
Links: Leave blank for positive battery cable (996&997)  
Middle: shift cable (S)  
Right: selection cable (W)

The length of the cables are fixed, do not remove the Aluadapter!

Replace the stock gear lever rubber caps by the provided

## **Installation of CAE Cables:**

For easy installation spray Rubber gasket with silicone spray

introduce CAE cables and rubber gasket to into the body through and  
insert the positive lead into the rubber gasket  
Press sealing rubber to stock position

## Positioning of the CAE shift cables

Push the rubber caps over the ball joints of the gear levers  
Fit the shift cable (S) to the lower gear lever and the Selection cable  
(W) to the upper gear lever  
Screw the ball socket thread to stop and push on the ballpans to the  
balls



## Main Unit installation :

Screw the CAE Shifter with the original nuts bolts on the transmission tunnel.

While placing the shifter introduce the cables already into the shifter.  
Screw cables nuts to bulkhead plate.



Screw ballpan of the selection cable to thread stop and push it onto the balljoint, install the cotter pin

Do it with the selection cable also  
**Replace the handbrake lever again**

## **Setting the shift range 6 speed Gearbox and functional test**

**Before** mounting the center console tune the shifter and perform a functional test, if possible, make a test drive

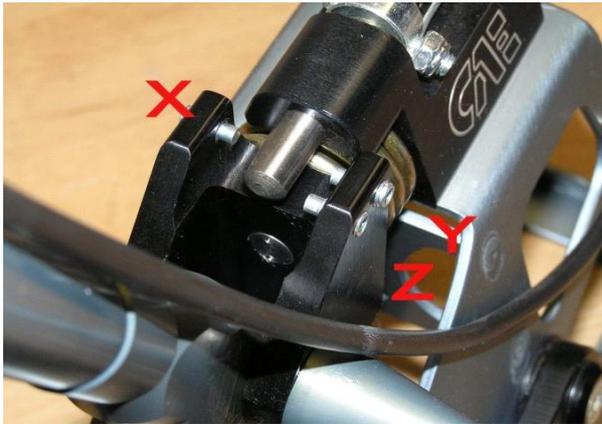
- Select 3.or 4th Gear by moving lever for- or backwards
- Adjust central position of the lever by setting the spring stop under the shift lever bracket with 5mm Allen. The shift lever (knob) should be in the neutral level 3./4.Gear about 10 degrees to the right

**Check:** The (S) cable have to go straight to the lever as shown in this example pic ( in 3/4 ) >>>>



# CAE SHIFTING TECHNOLOGY GMBH

ALTE BOTTROPER STRASSE 103  
45356 ESSEN  
PHONE +49 201 8777 802  
E-MAIL: INFO@CAE-RACING.DE



- Adjust the Coupling rod of the L-lever by turning the rod until the pan of selection cable can be pushed easily to the ball end of the L-lever without offset.
- Control: 3rd / 4th Gear can be switched easily and at selected gear the lever has the same play to right and left. If unbalanced, readjust until it's ok.  
fix the Ball socket by cotter pin
- Activate the reverse locking pin by pulling reverse mechanism at the Lever and select reverse gear. Screw in stop screw Y until the reverse can insert cleanly.  
If the lower part of the lever collides on the right side of the screw of the Unibal, you should adjust the central position of the shift lever slightly to the right, and start with item 1.
- lock the M6 nuts at the pushrod to the L-lever.
- Now switch gearbox via travelling the gearshift lever in level 1/2 (search) and adjust screw Z until the gears at level 1/2 go clean.
- Then switch gears via the gearshift lever in Level 5/6. and screw the stop screw X until the 5th / 6th Gear can insert cleanly.

**After installation, check all the essential functions of the Shifter while driving and adjust if necessary.**

Remove the remaining panel parts and check for proper function

**CAE Shifting Technology wishes you a good trip**

**If you experience any problems or questions, please contact us absolutely, we need YOUR feedback to improve our products**