

SHIFTING TECHNOLOGY GMBH

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INSTALLATION MANUAL FOR CAE ULTRA-SHIFTER GOLF II / GOLF III / CORRADO / PASSAT 35 I

CABLE-CONTROLLED GEARSHIFT - GEARBOX TYPE D2A



The shifter is intended for Racing Cars without interior equipment. If center console is mounted, it must be dismantled or modified to achieve an acceptable space for the cables.

The new unit should be mounted directly on to the floorboard, so part of the carpet must be removed.

Before the assembly of the Balljoints lubricate the seat with good grease. After completing the shifter, secure the Ballstud with a cotterpin. All screws and nuts on the shifter must have Lock-Tite or anything that keeps the screws or nuts from coming loose. Never bend the controller cables! To avoid rust film, clean the steel parts with oil ever so often. To clean the alu-parts use ethyl alcohol

Removing



Remove the original parts of the shifter including the shifting cable

Bodywork:

Place the shifter on the floorboard and mark the 3 new holes as shown on the next picture. Drill 6.5mm holes (see next picture) and deburr. Drill two 18mm holes into the frontboard for the cables. The position of this holes is shown in the next pictures



Before drilling you must check if the cables have enough space Engineroom. If not, change position of holes as far as necessary.

Mounting the shifter and shifter cables

Mount both of the cables at the unit. The cable has to stand out as much as possible of the case, inside there is no threads to see.

The mounted cables now have to be fed through the holes and the unit can be mounted on the plate (Middle tunnel)

Mount shift and select cable in the holder plate. The cover plate will be mounted from down side. For sealing use the delivered rubber stripe.

Installation of shortshift lever:

Before mounting the Shift cable install the shortshift lever as shown. Dissamble the cables and mount them as shown on the pictures to the stock gearbox bracket.



Please note:
The cables are going overcross!

Press the seats on the belonging balls at the levers and secure with Cotter pins.

Ensure the space of the cables to the Exhaust, if necessary mount additional clamps.

Tune the shifting range 5 Speed

Select the 3rd gear manually. The 3rd gear is in driving direction left. To select it, pull the gearshift-lever easy backwards.

Now select the wanted middle position of the gearshift and adjust the lower spring stop under the unit with Allen wrench.

In middle position the gearshift should be slightly turned to the left

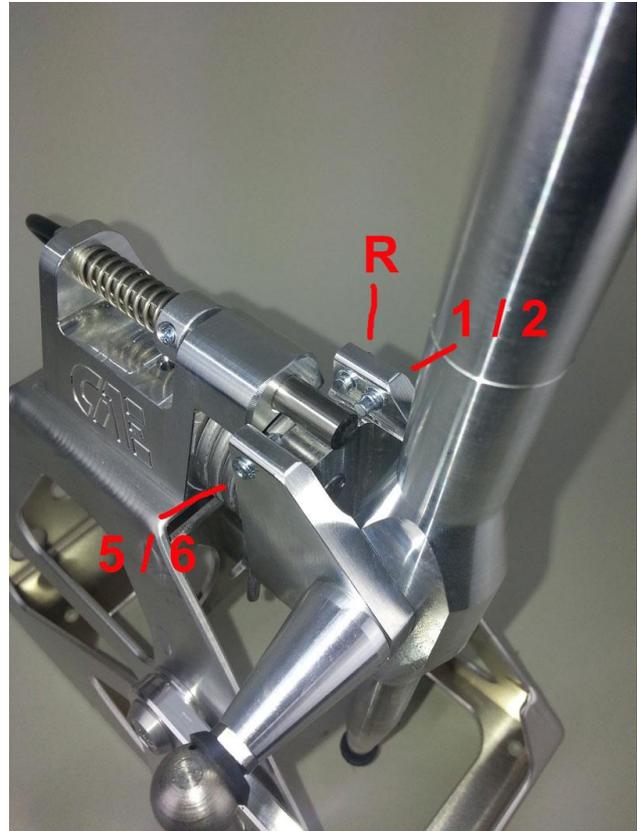


Secure the seats on the cables in the selector-tower.

Select level 1 / 2 with gearshift and turn stop screw until the gears 1 and 2 can be selected well.

Now select gear 5 with the gearshift and turn stop screw until the 5th gear can be selected clearly.

Pull rear stop bolt and enter reverse gear. Turn stop screw until the rear gear can be selected clearly.



CAE Shifting Technology wishes you having a good trip!