

**INSTALLATION MANUAL
CAE ULTRA-SHIFTER
RENAULT MEGANE III RS
CABLE CONTROLLED GEARBOX**



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.

Never bend the shiftcables!
To avoid rust film, clean the steel parts using use ethyl alcohol.
Grease all joints often

Disassambling:

- Remove the original shifter completely, also the center console if mounted
- Die Schaltseile von den Hebeln und dem Schottblech lösen.
- Originalschalthebel ausbauen

Modifying Selection cable end:

- Remount the big plastic pan from selection cable and cut off the „T“ head of the cable:

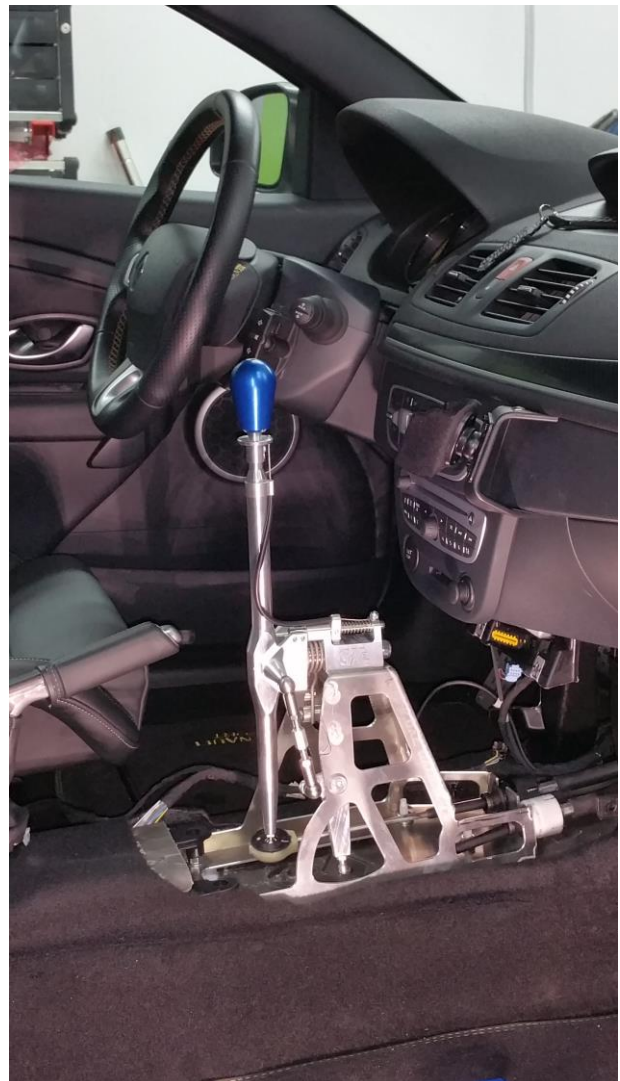


Installation CAE Shifter

- Put the 4 Spacer to the bolts



- Seat the CAE Shifter to the floor and introduce the cables in the housing
- Screw the shifter and clip in the cables in the Bracket
- Push the Pans on to the balls



Installation gearbox bracked reinforcement

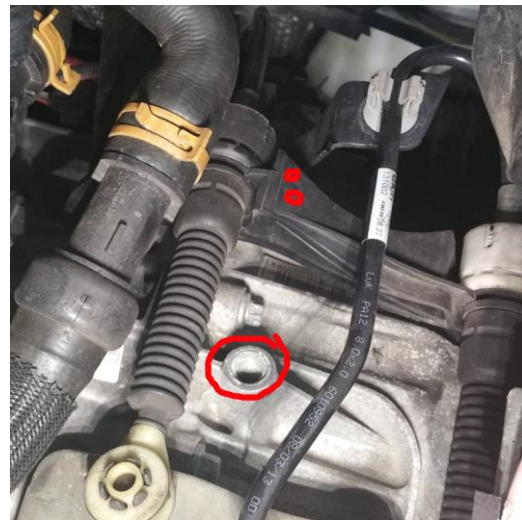
The reinforcement is not necessary the function of the Shifter but absolutely recommended for HD use

for

- Disconnect and remove battery and battery bracket
- Remove Air filter
- Screw out the big treadbolt incl steel sheet.



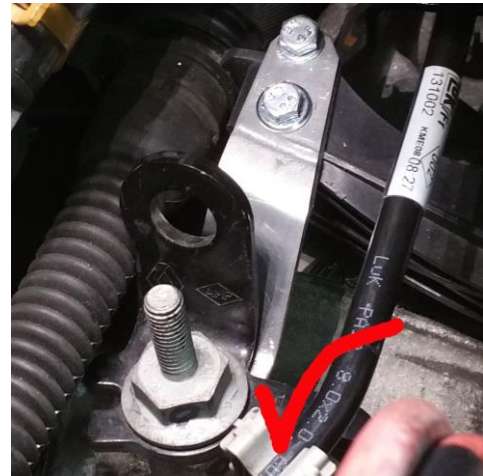
- Fit the Alu sheet and fix slightly with the Bolt.
- Mark the 2 Holes for drilling.



- Insert 2 M5 Threads into the plastic

bracketed. If not fitting tools available remount the bracketed, fit the threads and install it again

- After this mount the reinforcement, glue the screws and tight the screws !!PLASTIC!!!!
- Reinstall Airfilter and Battery



Before assembling the Balljoints lubricate the seat with good grease. After completing the shifter, secure the ballstud with a cotter pin. 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 shiftcables!



Tuning shiftrange 6 speed gearbox



- Pull off the upper pan of the side rod:
- Adjust center position (3/4) by adjusting the Spring stop >>>>>

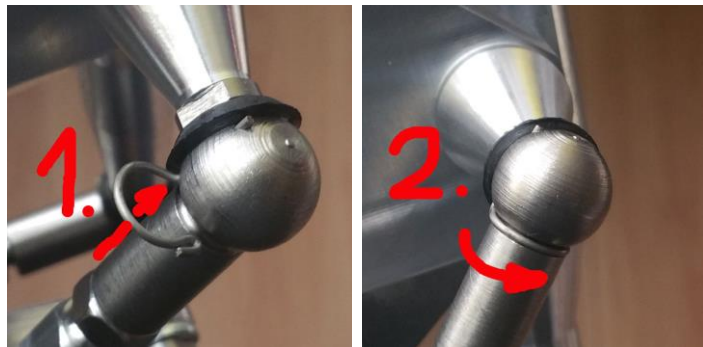
pull or
perfect
selected
be



- Shift lever should stand straight in this position
- Shift the gearbox now in 3 or 4, for this push the gearlever only forward or backward.
- Adjust the siderod (R/L THREAD) now for fitting to the ball and press it on. Now the at gear the play at gearlever to both sides have to be similar, otherwise readjust the siderod.

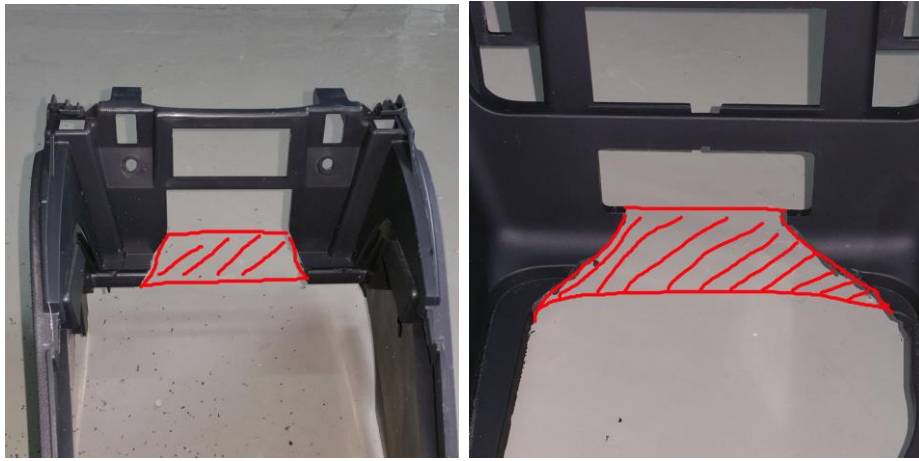


- Shift to range 1 / 2 and turn the adjustment screw (Hex 2,5mm).
- Shift to range 5 / 6 and turn the adjustment screw
- Pull the Reverse lock, Shift to R - Range and turn the adjustment screw
- Mount the 3 cotter pins tot he Ball joints:



**Check out all functions of the shifter by road test and if necessary readjust
Incorrect settings may destroy your gearbox**

Modifying the Center console:



Cover sheet

The delivered cover sheet have to be fitted with double tape.
It intended to be styled by customer:



sample

**CAE SHIFTING TECHNOLOGY
WISH YOU A GOOD TRIP**