

## 6 Speed Short Shift Instructions

Fits: 2000 - 2005 VW Golf, Jetta, R32 6 speed  
EIP Part Numbers: E0307002, E0307006, E0307000C

Start:

1. The easiest way to access the factory shift lever is to remove the air box. However this is not required when removing and replacing the oem shift lever. Installers that are familiar with the location and parts of the shift lever can access it without removing the air box, battery etc.

If you are unfamiliar with removing this item please watch a few minutes of our R32 CCAI install video which covers this removal. The video may be viewed by downloading from the following web address: [http://www.eiptuning.com/eip/video/R32/EIP\\_R32\\_CAI\\_Instructions\\_BB.wmv](http://www.eiptuning.com/eip/video/R32/EIP_R32_CAI_Instructions_BB.wmv)

2. To remove the OEM Shift Lever (Key #1). Make sure the vehicle is turned off and the shift selector is in the neutral position with the parking brake up (you may want to chock a wheel). You can verify that the shifter is in neutral by grabbing the transmission shift lever (Key #1) and then move it up and down. Locate the Front to Back Shifter cable clip (Key #3). Use a flat-head screw driver to gently pry at the top of the pin and then slide the clip off. Do not damage or lose the clip because you must reuse it. Then slide the shifter cable end off the shifter lever pin. Next remove the side to side shifter lever clip (Key #7) just like the shifter cable clip (Save the clip for reuse). Slide the side to side shifter lever out of the way so that you will be able to draw upward the front to back shift lever.

3. Note the location of the shift lever then remove the front to back shift lever 13mm nut (Key #4) and put it to the side for reuse. Next using a small gear puller draw up on the shift lever using the shift lever attachment pin as the opposing force point. Remove the shifter from the splined attachment pin. The new lever must be placed in the same position (match the splines).

\* Some installers like to place 1 short 17mm open ended wrench under the f-t-b shift lever and then with a brass punch, lightly tap the shift lever center attachment pin down. This effectively draws the shift lever off the splines of the attachment pin as well. Using materials other than brass may cause damage to the pin. \*

4. If you are simply swapping out the f-t-b shift lever - then installation of the EIP 6 speed Short Shift is the reverse of the OEM removal. However the shift lever is splined, do not force the lever on make sure to match the splines and note the larger key-way style spline. Use the 13mm nut to help the splined shift lever draw down onto the pin. Do not over tighten the nut because it is possible to shear off the pin. Torque Spec for the nut is 18 ft. lbs. Do not exceed this. Grease the slide when reinstalling the shift lever. (White Lithium Grease will be adequate) If you purchased a STS shift lever than move on to Step 5.

\* Shifter position and feel can be adjusted using the shifter cable end (Key #2, 5). Small turns are all that is necessary. Go back and forth from the adjustment to in-cabin testing until you feel comfortable with the shift



**IDENTIFICATION KEY**

1. OEM 6 Speed Shift Lever
2. Front - Back Shifter Cable Adj.
3. Front - Back Shifter Cable Clip
4. Shift Lever attachment nut
5. Side - Side Shifter Cable Adj.
6. Side - Side Shifter Cable Clip
7. Side - Side Lever Clip
8. Side - Side OEM 6 Speed Lever

pattern. Do not drive the vehicle during this procedure until you are comfortable with shift pattern gate. \*

5. Remove the OEM side to side shift lever cable end clip (Key #6) just like the other cable clips. Remove the shifter cable end from the oem side to side lever pin. Attach the s-t-s cable end to the new EIP STS shift lever and reuse the attachment pin clip.

6. Install the EIP FTB Short Shift Lever into the factory position matching the splines. Screw on and tighten the center pin attachment nut (Key #4). Next attach the f-t-b cable end to the Short Shift lever reusing the OEM clip. Finally attach the EIP STS Shift lever to the OEM mounting location reusing the OEM clip (Key #7). Be careful not to break the nylon slide when reattaching. Grease the slide if necessary when reinstalling.

7. Shifter play and pattern can be adjusted by using the shifter cable ends (Key #2, 5). Small turns will adjust the pattern and feel of the shifter. This should be done before driving the vehicle.

Questions regarding install: Call our tech line 410.876.1336