



# INSTRUCTIONS FOR: 16-2105/16-2107 Shifter Only 16-2106/16-2108 Shifter with Linkage

Read all instruction prior to assembly. Some steps may not apply to your particular application.

1. Insert shift rod into u-joint until fully seated. Using a 5/32" or #22 drill bit, drill through the assembled u-joint and rod. Locate a roll pin and tap it into the hole. (See Figure 1)
2. Insert u-joint into the transmission coupler until fully seated. Using a 5/32" or #22 drill bit, drill through u-joint using the pre-drilled hole in coupler as a guide. Locate a roll pin and tap into the hole. (See Figure 1)
3. Screw shifter coupler onto shifter assembly until it contacts the lock nut. Leave about 1/4" of visible threads between the lock nut and the shifter assembly for future adjustments. (See Figure 1)
4. Install the shifter assembly to the vehicle. The bolt locations are the same as a stock VW shifter. Once installed, check alignment of shifter assembly to transmission selector shaft. The center point of the shifter coupler must be in direct alignment with the center point of the transmission selector shaft. This can be checked with a piece of string. Have someone hold one end of the string on the top center of the transmission selector shaft. Now, extend the string past the shifter assembly and remove slack. Holding the string over the top of the shifter assembly and looking straight down from above, the shaft extending out both ends of shifter assembly should be in direct alignment with the string. If it is not, correct the position of the shifter assembly before proceeding. (See Figure 2)
5. Be sure transmission is in neutral. Slide the transmission coupler onto the transmission selector shaft and tighten the two set screws (thread lock is recommended).
6. Double check that the transmission is in neutral. Position shift lever straight up from top of shifter assembly. Position shift rod next to shifter coupler and mark the rod at the back end of the coupler. Measure forward from the mark 1 1/8" to allow enough rod to enter the shifter coupler. (Remove the first mark to avoid confusion.)
7. Check once more the positioning of the transmission selector shaft and the shifter before cutting the shift rod. Cut the shift rod at the mark.
8. Remove the shifter assembly and slide the shifter coupler onto the shift rod. Re-install the shifter assembly.
9. Reset shifter to the "straight up" position and check that the transmission is in neutral. With both in position, using a 5/32" or #22 drill bit, drill through the shift rod using the pre-drilled holes in the shifter coupler as a guide. Tap in a roll pin.
10. Shift into second gear and tighten the lock nut against the shifter coupler. Check the operation of the shifter. If adjustments are required, loosen the lock nut and adjust accordingly. (Remember movement of the shifter results in opposite motion of the shift linkage.) Small adjustments are all that is required to effect operation.
11. For easy, accurate operation and long service life, be sure to keep all moving parts clean and lubricated.

Figure 1

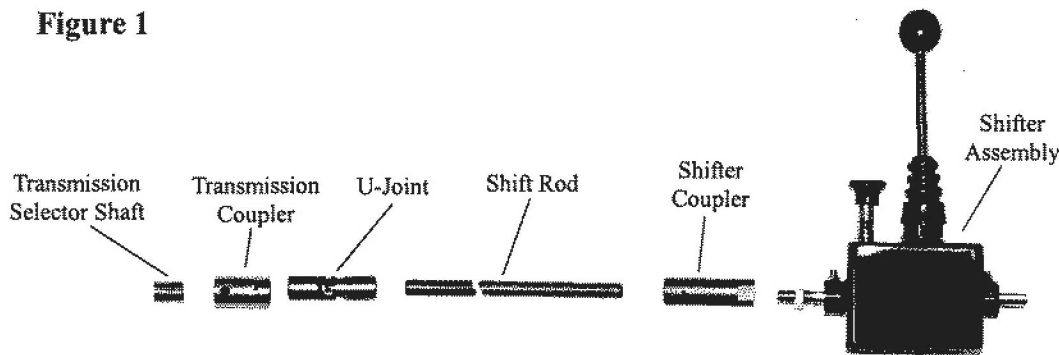


Figure 2

