

TCI[®] 748000

Powerglide (Reverse & Forward) Competition 2-Speed Shifter

TCI's Competition Powerglide shifter will allow you to shift gears using only one hand. Our easy operating shifter features a reverse lock-out that can be operated by simply pulling up on the Reverse T-handle and pushing forward. This releases the Reverse lock-out safety feature.

TCI[®] 748000 Kit Contains:

Qty. Description

One (1) TCI[®] Powerglide Shifter

One (1) Powerglide Shift Lever

One (1) Connector

One (1) Swivel

One (1) 3 Stroke Pan Bracket

One (1) Cotter Pin

Shifter Installation:

Step 1 Installing Shifter Cable. (Kit does not contain cable) Remove the small jam nut on the end of the shifter cable.

Step 2 Push the larger rubber seal from the holding bracket to the smaller seal located on the cable.

Step 3 Remove one (1) of the 7/16" nuts and washer. The nut will have to slip over the rubber seal before it can be removed.

Step 4 With the small jam nut, the 7/16" nut and washer removed, insert the end of the shifter cable through the hole in the bulkhead block of the shifter.

Step 5 Put the washer back on the shifter cable and work the 7/16" nut back over the rubber seal. Do not tighten the nut at this time.

Step 6 Put the small jam nut back on the end of the shifter cable and tighten until it is completely to the end of the threads.

Step 7 Next, move the shifter handle forward to the park position. With the shifter in park, insert your fingers up the middle of the shifter until you can reach the pivot yoke. Push the pivot yoke at a 45 degree angle. With the pivot yoke in this position, you can now screw the end of the shifter cable into the pivot yoke. Make sure that at least five (5) threads on the shifter cable are screwed securely into the threaded area of the pivot yoke. After you have the cable screwed into place, you may now tighten the jam nut up against the pivot yoke.

Step 8 Make sure all the rubber seals are pushed back into their original positions.

Step 9 You will want to use Loctite[®] on the threads of the 7/16 nut. Loctite[®] and tighten to 35 foot pounds of torque. **Note:** If the cable works loose from the shifter, the transmission will not shift properly and could cause damage to the transmission or the transmission may not be shifted into the proper gears.

Step 10 With the shifter cable connected properly to the shifter, you are ready to install the shifter into your race vehicle. Select a comfortable location for the shifter. Make sure that the path of the shifter cable will not come in contact with any moving parts. The shifter cable should not rest against any hot object such as headers, exhaust manifolds, or engine.

Step 11 Remember that the shifter must be mounted in a location that will allow an eight (8) inch radius for the shifter cable to function properly. Mount shifter with cable installed.

Step 12 You must use a TCI® transmission shift lever. If you do not have one installed on your Powerglide transmission, you will need to remove the manual shift lever and install the TCI® lever.

Step 13 Mount the TCI® pan cable bracket to your pan. If you are using a stock pan, use spacers between the pan and the bracket. If you have an aftermarket transmission pan, you will not need to use the "dish" type spacers as the surface on the aftermarket pan is flat.

Step 14 After you have installed the TCI® transmission shift lever onto your transmission, you are ready to connect the shift cable to the shift lever. Remove the first 7/16" jam nut and washer. Slide the cable through the transmission pan bracket. Once the cable is in the pan bracket you will replace the 7/16" washer and jam nut. Tighten nut securely.

Step 15 The threaded cable connector will now be installed onto the end of the cable. Screw the connector onto the cable. The cable has enough threads that will allow you to line up the cable connector to the manual shift lever.

Step 16 Next, shift the shifter and place the transmission lever in high gear. The shifter will stop at the first detent. (Push Low to High) The transmission shift lever will have to be moved manually into high.

Step 17 Once you have the shifter and the transmission in high gear you will need to Insert the cable connector into the shift lever opening (hole). The connector can be screwed in or out to allow for proper fit. After you have the connector lined up, push the connector dowel end into the lever and insert the cotter pin into the connector. Do not bend the cotter pin back at this time. You must check shifting alignment first.

Step 18 Shift the shifter to Low gear. (Pull the handle back to shift into Low) Check the transmission and make sure that the transmission has been shifted all the way into Low gear. If the shift lever and transmission shifts into all gears properly, you may bend the cotter pin into the safety position.

How to shift your new TCI® Competition Shifter:

Low to High:

The design of the TCI® competition shifter will allow you to shift from low gear to high gear by pushing the shifter forward. The detent in the transmission will stop the shifting action in low gear. Also, the shifter plate has detents for each gear.

Note: This shifter will work with a reverse shift or forward shift transmission. Your valve body configuration will determine if Low is located in the first shift position or if Low is located in the second shift position. You will either push the shift lever forward (Low) to the second position (High) or you will pull (Low) the shift lever from the second position to the first position (High).

Neutral:

To shift into neutral, you must raise the T-handle and push the shifter forward again. The transmission detent will stop the shifter in the neutral position.

Reverse:

To shift into reverse, you must hold the main T-handle and reach forward with your fingers and pull the Reverse T-handle toward you (pull T-handle into shifter handle). Then push the shifter forward to reverse.