

# Installation Guide for the TeraFlex Hand Throttle Kit Part #004870400 (BLDTHC)

Please make sure that your kit includes the following items before installation:

**QTY:**

- 1 #TFTC-13 "L" Bracket
- 1 #TFTC-6 Hex Nut
- 2 #TFTC-7 Tapping Screw
- 1 #TFTC-2 Screw
- 1 #TFTC-4 Washer
- 1 #TFTC-11 Washer
- 1 #TFTC-5 Washer
- 1 #TFTC-17 Thumb lever
- 1 #TFTC-12 Seat
- 1 #TFTC-1 Cable Stopper
- 1 #TFTC-8 "8" cable chip
- 1 #TFTC-16 Outer casting
- 5 #TFTC-14 Cable tie
- 1 #TFTC-15 Cable
- 1 #TFTC-10 Quick clamp
- 3 5/16 flat washers
- 1 #89 flat washer

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**Notes:**

This hand throttle is designed for a manual transmission and is for OFF ROAD USE ONLY.

Any components that you add to your vehicle for off road use will cause it to handle differently, both on and off-road. We recommend that caution be used when you use these components off-road, as serious injury or death to the driver and/or passengers may occur if misused.

These instructions show installation in a Wrangler.

## Installation:

As always, read all of the instructions and look at the photos to familiarize yourself with the installation process before beginning.

First, begin by removing the shifter knob from shifter lever. You want to slide the rubber bushing over the shift lever for a tight fit. (You might need to ream the bushing out with a drill to fit over your shift lever, but do not remove too much material, or you won't get a tight fit.) Attach the thumb lever to the rubber bushing, and then reinstall the shifter knob.



Now locate the engine bracket (under your hood) that lies just in front of the air intake tube where your throttle return spring is attached. You'll want to drill a hole into this engine bracket so you can mount the "L" Bracket here along with the cable adjuster.

Mount the "L" Bracket and cable adjuster in such a way that it will pull the throttle linkage in the same direction as your accelerator pedal does.



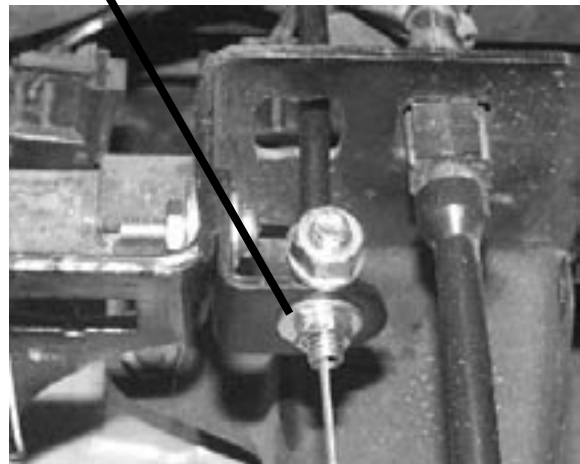
Take the end of the cable and run it through the top of the thumb lever down through the boot then through the center console.

Next, look under the driver side dash and locate the rubber grommet on the firewall. Drill a small hole here, just big enough for the cable to fit through. Put the remaining end of the cable through to your engine. Run the cable as direct as possible to the throttle linkage while avoiding any sharp turns or kinks. Leave any excess cable to be trimmed at the end.



Feed the cable from the firewall through the hollow screw you had assembled onto the "L" shaped bracket earlier. Shove the end of the black rigid cable housing into the head of the hollow screw.

**Note:** You may need 2-3 5/16 flat washers so you can tighten down the nut shown in the picture below.



After installation, check the operation of the accelerator pedal and the hand throttle. Do this with the emergency brake on and the transmission in neutral, so as to avoid injury.  
**Note:** If you have cruise control, drill 1/4" hole as shown below and mount the hollow screw with #89 washer and nut for cable to run directly to the throttle arm.



Enjoy your new hand throttle.