

Installation Instructions - Fit Kit Y

Step 1:

- Make sure motor is NOT running!
- Remove cowl (cover) from motor.

Step 2: (See Fig. 1 & 2)

- Remove 10mm nut (A).
- Install servo bracket (B).
- Re-install and tighten nut.

Step 3: (See Fig. 2)

- Install servomotor (A) onto mounting bracket with stainless steel screws and locking nuts.

DO NOT attach servo arm until Steps 11!

Step 4:

In this step, you are temporarily hooking iTroll's power module to your 12 Volt battery:

- Connect Red wire to (+) battery terminal. 5 amp fuse has been installed at factory.
- Connect Black wire to (-) battery terminal.

Step 5:

• Plug servo motor into iTroll's servo control harness. Note that iTroll's 3 pin connector has a polarizing "DOT" on it. This dot corresponds to the servo's signal wire that is Orange, Yellow or White, depending on the brand of servo.

Step 6:

Use an Ink Marker to make a mark on the servo's geared shaft so you can positively see the direction that the shaft is rotating.

Step 7:

Plug data cable from iTroll into power module.

Step 8:

Turn iTroll on (see owner's manual if required), then operate dial to turn servomotor. OBSERVE mark you made on servo's shaft to see if servo is turning CLOCKWISE as you advance the throttle with iTroll's knob.

Step 9:

See "Reference 2" section on page 3 of regular iTroll installation instructions. Follow programming instructions to set servo Travel and Rotation. Set servo travel for "S" (Short = 90 degrees). If the servo is rotating in the correct direction as determined in Step 9, leave rotation direction the same as the indicated "old" direction in the rotation set menu. If you need to reverse the servo's rotation, change it in the rotation set menu.

Step 10:

- Turn iTroll ON.
- After iTroll starts up, press IDLE button to put servo at idle position. Confirm that iTroll is at idle by reading it's display.

Step 11:

- Install iTroll throttle rod (with oval looped end) over stock throttle linkage.
- Slide end of iTroll throttle rod through hole in brass fitting on servo arm.
- Install servo arm as shown in Fig. 2.

Step 12: (See Fig. 2):

- Pull UP on iTroll throttle rod so that the BOTTOM of the looped end makes contact with the motor's throttle rod.
- Check throttle to confirm that it is FULLY CLOSED. If throttle is open, you are pulling up too hard on iTroll's throttle rod.
- Tighten set screw in servo arm brass fitting to secure throttle rod.
- Install Phillips head screw in center of servo arm.

Step 13:

Push iTroll's Run button and operate dial. Check for movement of throttle without sticking or binding.

Step 14:

- Cut excess iTroll throttle rod that sticks out of the top of the servo arm fitting. LEAVE at least 1/2 inch of rod to allow adjustments if needed.

Step 15:

Proceed with installation of iTroll electronics (on separate instruction sheet).

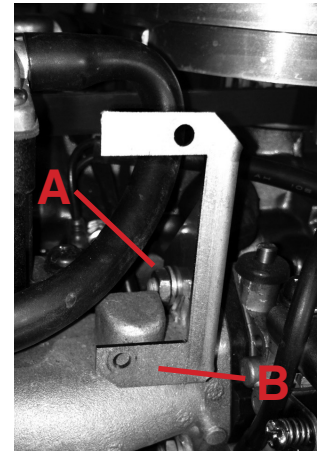


Figure 1

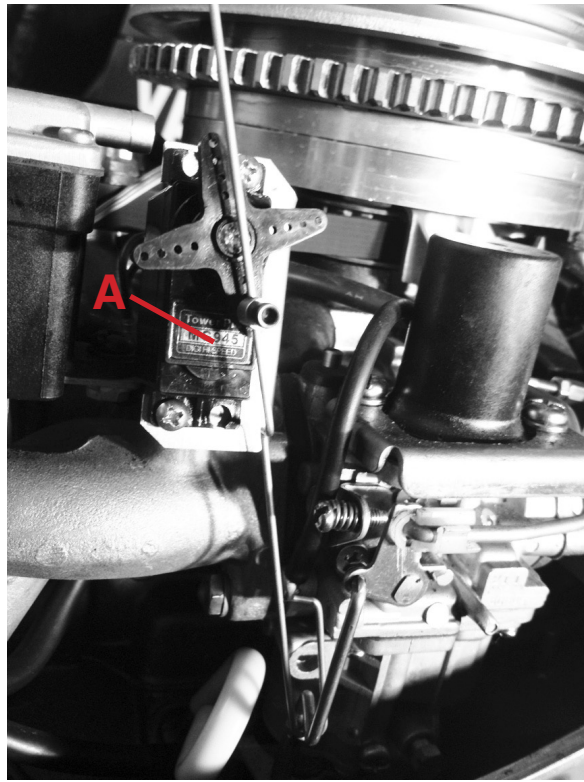


Figure 2 - Complete Installation