Installation Instructions -
Fit Kit E1

Step 1:
• Make sure motor is NOT running!
• Remove cowl (cover) from motor.

Step 2: (See Figure 2)
• Remove 2 - 8mm bolts.
• Remove panel.

Step 3: (See Figure 1)
• Install servomotor (A) onto mounting bracket (B) with stainless steel screws and locking nuts.
• Use 8mm wrench or socket to secure bracket and servo under factory bolt (C).
DO NOT attach servo arm and cable until Steps 11 & 12!

Figure 1

Step 4: (See Figure 2)
• Install clamp assembly onto stock throttle rod as shown.
• Make sure that the screw and bolt are tight enough so that clamp cannot slip.

Step 5:
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.
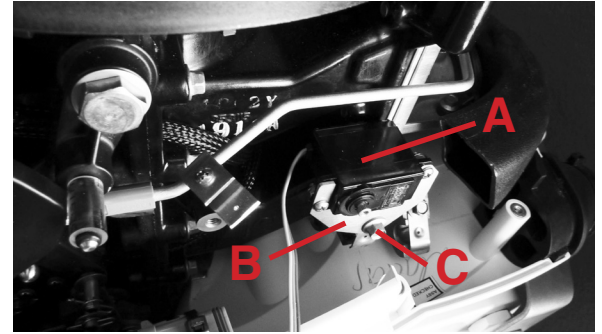• Connect Black wire to (-) battery terminal.

Step 6:
• 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 7:
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 8:
Plug data cable from iTroll into power module.

Step 9:
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 10:
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 "M" (135 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 11:
• 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.
• Install servo arm as shown in Fig. 6.
• Slide end of cable through hole in brass fitting on servo arm.

Step 12:
• Take up slack on cable. MAKE SURE throttle is closed (see Fig. 2). Tighten set screw in servo arm fitting with flat screwdriver.
  Note: It may be necessary to have a helper hold the servo arm fitting with a pair of pliers when tightening set screw.
• Check throttle to confirm that it is FULLY CLOSED. If throttle is open, loosen set screw and readjust the cable.
• Trim excess cable from servo arm fitting - leave approximately 1/2 inch sticking out from servo fitting.

Step 13:
Push iTroll's Run button and operate dial. Check for movement of throttle without sticking or binding.

Step 14:
• Replace panel and bolts removed in Step 2.
• Proceed with permanent installation of iTroll (see electronics installation manual).
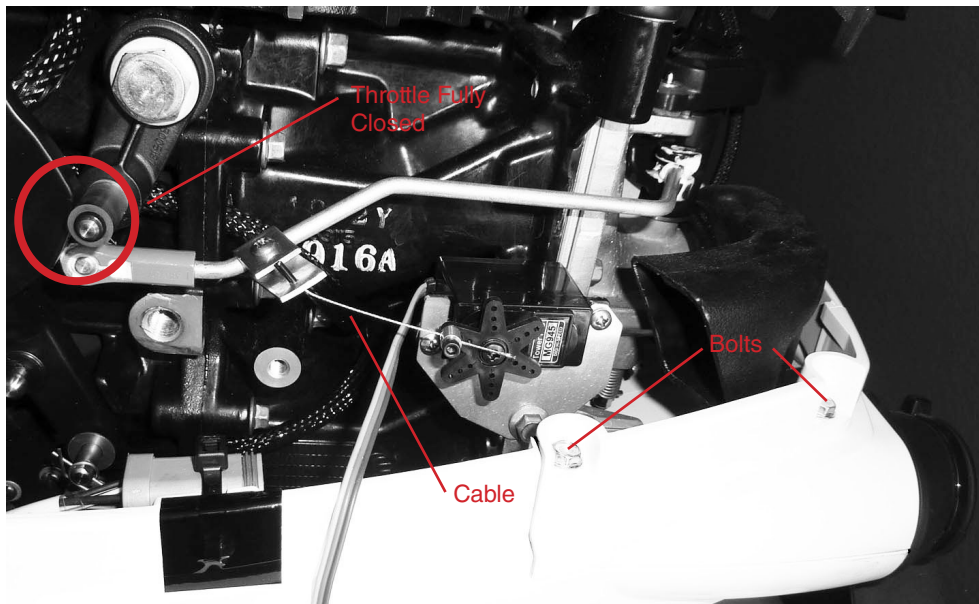
Throttle Fully Closed

Bolts

Cable

Figure 2 - Complete Installation