



ELECTRIC Trim Tabs

Installation Instructions

Warning: The following instructions contain important safety information and should be followed carefully. Failure to do so may result in injury and will void warranty.

Please read through the instructions in their entirety prior to beginning installation!

TOOLS AND MATERIALS LIST

- Electric drill
- Wire crimper/cutter
- Tape measure
- 3/16" & 3/8" drill bits (.48 & .95 cm)
- 7/16" (1.11 cm) wrench
- Small hammer
- 4' (1.22 m) level
- Straight edge
- 2" (5.08 cm) hole saw
- #2 & #3 Phillips screwdrivers
- 3M 5200 adhesive caulking

1. To begin, determine where the Lenco Trim Tab Kit will be installed. Note: When laying out the desired tab location, hold the tab against the transom with the bottom of the hinge knuckle 3/8" (.95 cm) from the bottom of the transom, approximately 1" to 4" (2.54 to 10.56 cm) in from the chine, and in line with the hull. When mounting the hinge to the hull make sure that the inside corner of the hinge knuckle is no closer than 2" (5.08 cm) to the left or right of any strake edge. The hinge may overlap a strake edge as long as any corner of the hinge knuckle is no closer than 2" (5.08 cm) to the left or right of the strake edge. (see Fig.1). Transfer (trace) the screw hole pattern onto the transom for drilling, see step 2.

Note: Performance tabs should be mounted with the tapered end facing toward the center of the boat.

2. Using the 3/16" (.48 cm) drill bit, drill the previously marked hole locations to a depth of 1-1/4" (3.17 cm).

Note: When drilling out the screw hole pattern for the trim tab hinge you may drill through the transom, however the screws when installed with 3M 5200 adhesive caulking will seal the holes. All supplied screws and fasteners are stainless steel. Do not use any other type of alloy.

Mount the trim tab hinge to the transom using provided #14 x 1-1/4" (3.17 cm) stainless steel metal screws. We recommend using 3M 5200 adhesive caulking to bed the hinge and screws. DO NOT OVERTIGHTEN.

3. Attach the lower mounting bracket to the tab with the bolts, washers, and nylon lock nuts provided., Attach the upper bracket to the actuator using the 5/16-18 X 1-3/4" (4.45 cm) large hex head bolt and 5/16-18 hex nut

provided. Attach the actuator to the lower bracket using the 5/16-18 X 1-3/4" (4.45 cm) large hex head bolt and 5/16-18 hex (.79) nut provided.

In order to properly position the upper bracket against the transom, you must lift the trim tab so that the trailing edge is approximately 5/8" (1.59 cm) (for a 9" trim tab) and 3/4" (1.9) (for a 12" trim tab) above the straight edge when held to the hull (see Fig. 2). When the trim tab is at the appropriate level, transfer (trace) the outer shape of the upper bracket onto the transom. The upper bracket should be marked where it lays naturally against the transom to prevent binding during travel. (Do not adjust the upper bracket to the right or left, as this will cause binding, instead just allow the bracket to come to rest in it's natural position).

Remove the actuator from the lower bracket. Remove the upper bracket from the actuator and align to the previously marked location to mark the upper screw hole locations and cable hole location. Using the 3/16" (.48 cm) drill bit, drill the previously marked screw hole locations to a depth of 1-1/4" (3.17 cm).

Note: When drilling out the screw hole pattern for the trim tab hinge you may drill through the transom, however the screws when installed with 3M 5200 adhesive caulking will seal the holes when installed. All supplied screws and fasteners are stainless steel. Do not use any other type of alloy.

4. Warning: With some installations, fuel, water tanks and/or other systems may prevent the actuator cable from entering the hull through the upper mounting bracket. Be sure to check inside the hull before drilling the 3/8" (.95 cm) cable hole.

If all is clear, Using the 3/8" (.95 cm)

Fig. 1

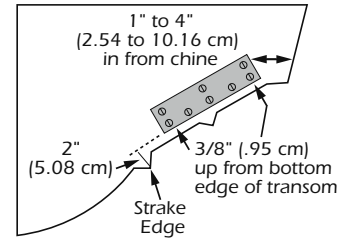


Fig. 2 Standard Mount

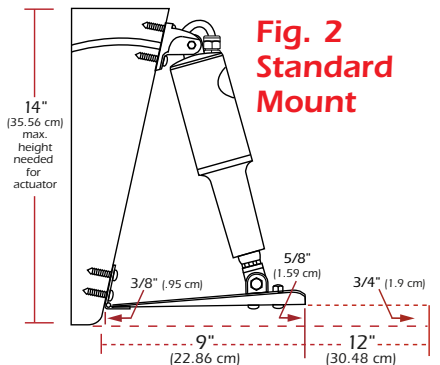


Fig. 2 Edge Mount

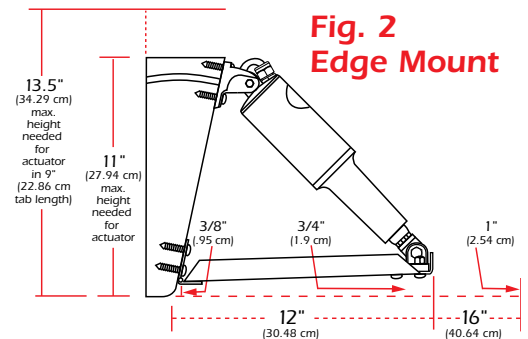


Fig. 3



drill bit., drill the previously marked cable hole completely through the transom. Insert the actuator cable through the appropriate hole in the upper bracket until it reaches the actuator. Insert the actuator cable through the gland seal until it reaches the upper bracket.

Continued on page 2.

For technical assistance call Lenco Service Department: 772-288-2662



ELECTRIC Trim Tabs

Installation Instructions, Continued

Note: For appropriate orientation of upper bracket and gland seal, (see Fig 3).

Insert the actuator cable through the transom. With the actuator loosely supported, start the provided #14 x 1-1/4" (3.17 cm) stainless steel metal screws through the upper bracket and into the transom. **MAKING SURE TO LEAVE THE SCREWS ONLY PARTIALLY INSTALLED.**

Insert the actuator clevis (mounting ear) into the top bracket and hold in the approximate installed location. Pass the actuator cable through the transom removing slack on the cable until it is snug. Remove the actuator from the upper bracket and finish installing the previously started #14 x 1-1/4" (3.17 cm) stainless steel metal screws through the upper bracket and into the transom. We recommend using 3M 5200 adhesive caulking to bed the upper bracket and screws. **DO NOT OVERTIGHTEN.**

Attach the actuator to the upper bracket using the 5/16-18 X 1 3/4" (4.45 cm) large hex head bolt and 5/16-18 (.79 cm) hex nut provided. If, however, you are prevented from drilling a hole through the transom at the bracket location, using the 3/8" (.95 cm) drill bit, simply drill a 3/8" (.95 cm) hole 4" to 5" (10.16 to 12.7 cm) above the waterline and insert the cable. Cover the hole and cable with a clamshell vent sealed with 3M 5200 for a waterproof and finished effect.

Assemble actuator connector ends as instructed in Actuator Deutsch Connector Instructions insert card provided.

- At the helm, determine where the tactile switch will be installed, locate the template on page 27 and secure to helm, cut a circular opening using a 2" (5.08 cm) hole saw. Before cutting, make sure the area inside the helm is clear of wires and other equipment that could be damaged. Using the template on page 35, drill four 3/16" (.48 cm) holes through the helm.

Secure the switch with the nylon nuts provided. When mounting the black control box, keep in mind that there

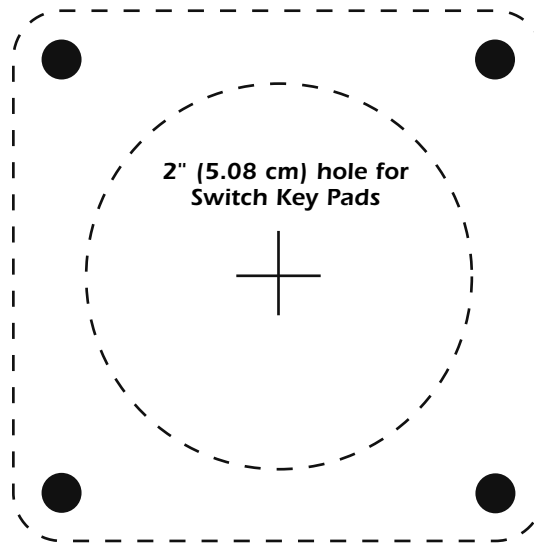
is a 30" (76.2cm) lead that attaches to the back of the tactile switch. Make sure control box is mounted on a vertical surface with wires facing down toward the deck.

- Following the trim tab switch wiring diagram, connect the actuators or the actuator extension cables to the switch control box. Be very careful of sharp edges that may damage the cable. Remember the left switch controls the right starboard tab and the right switch controls the left port tab.

**Waterproof
PLUG & PLAY
Deutsch Connections**



Switch wiring diagrams on page 3



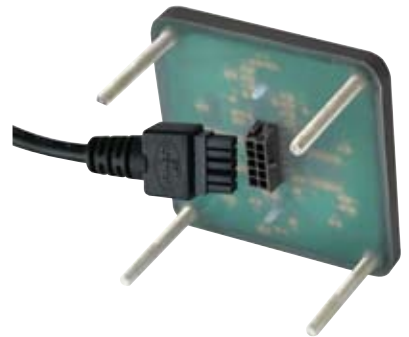
Switch Template

Remove the template from the owner's manual by cutting around the dashed rectangular perimeter line.

Align the 3/16" (.48 cm) drill bit with each of the four black circles and drill straight down through the helm, providing clearance for the mounting hardware provided with the switch.

Tactile Switch Connection

Mount control box within 30" (76.2) of keypad. Control box wire harness is 30" (76.2) length



Align the centering bit of a 2" (5.08 cm) hole saw with the cross hairs in the center of the 2" (5.08 cm) dashed circular perimeter and drill straight down through the helm, providing additional clearance for switch and electrical connection.

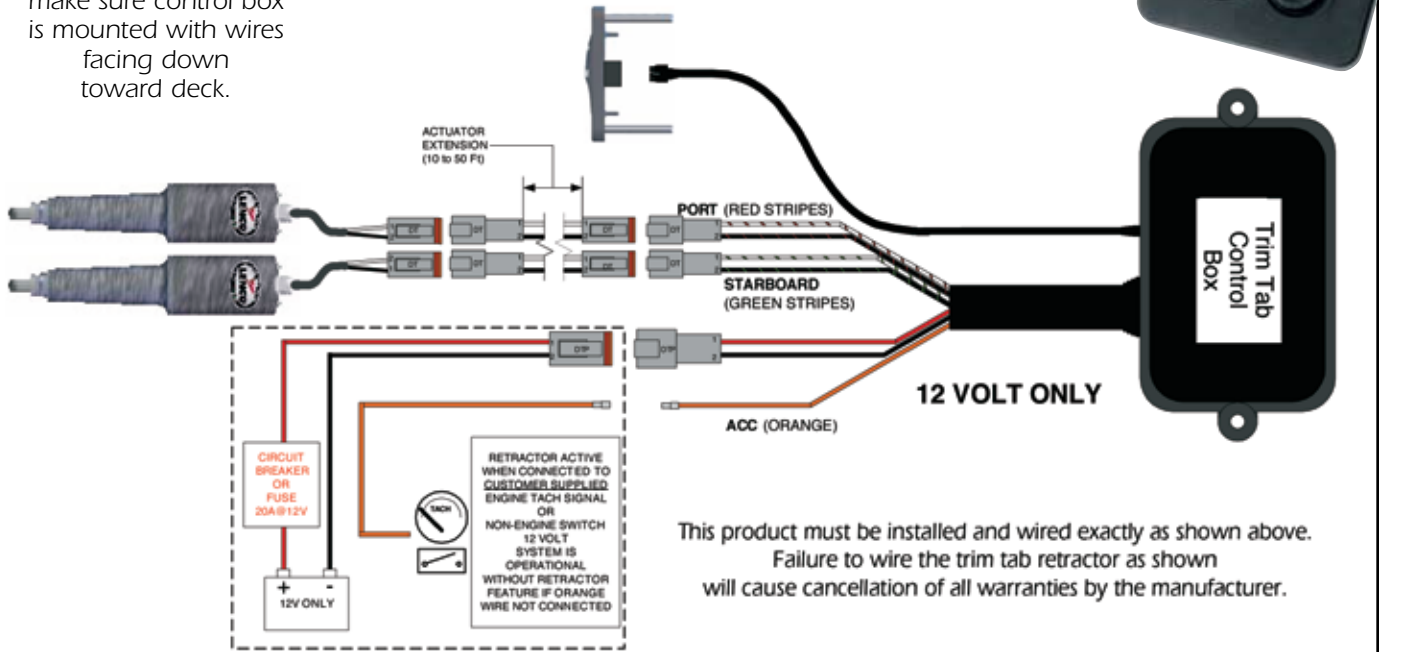
**Please follow the instructions and drawings carefully.
Call the Lenco Service Department at 772-288-2662 for technical assistance.**

4700 Municipal Court ■ Stuart, Florida 34997 ■ www.lencomarine.com

15069-001 (124SSR)

Standard Trim Tab Switch w/Retractor Wiring Diagram - Part # 15069-001 (124SSR)

Note: In all cases,
make sure control box
is mounted with wires
facing down
toward deck.



Please follow the instructions and drawings carefully.
Call the Lenco Service Department at 772-288-2662 for technical assistance.
Dual Station and Dual Actuator wiring instructions can be downloaded from our website www.lencomarine.com.

15070-001 (123SC)

L.E.D. Trim Tab Indicator Switch w/Retractor and Self-Check Wiring Diagram - Part # 15070-001 (123SC)

Note: In all cases,
make sure control box
is mounted with wires
facing down
toward deck.

