



CH1700 Side Mount Mechanical Control Ignition Interrupt Switch Installation Manual

Notice to Boat Manufacturer, Installer, and Consumer

Throughout this manual, Warnings are used to alert the installer/operator to special instructions concerning a particular service or operation that may be hazardous if performed incorrectly or carelessly. Observe these alerts carefully!

These “safety alerts” alone cannot eliminate the hazards that they signal. Strict compliance to these special instructions when performing installation, operation, and maintenance plus “common sense” operation are the most effective accident prevention measures.

The information contained in this manual is believed to be accurate at the time of going to print but no responsibility, direct or consequential, can be accepted for damage resulting from the use of this information. The manufacturer reserves the right to make changes, without notice, to any of its products.



IS-CH1700IIS
Revision 0

Overview & Operation

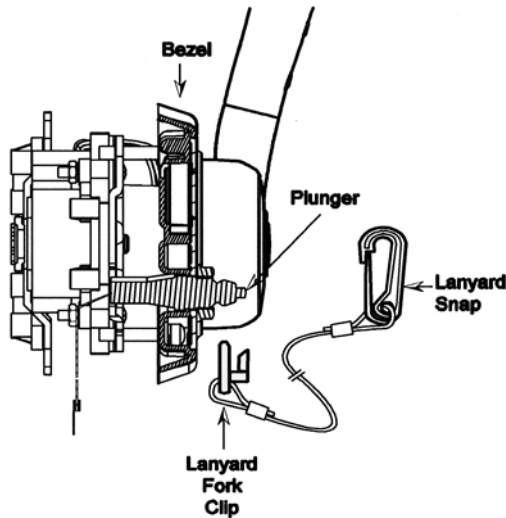
Ignition Interrupt Switch Overview

This switch includes a lanyard clip which holds the plunger of the switch in position to allow engine operation. A lanyard extends from the clip and is connected securely to the operator. If the operator moves away from the controls, the clip is pulled free, releasing the plunger and stopping the engine.

Operation of the Ignition Interrupt Switch

Before each motor start, ensure the Lanyard Fork Clip is properly seated over the switch and that it rotates freely. If the lanyard is cut, worn or frayed, it must be replaced.

Start the engine and test the switch by pulling the lanyard fork clip free from the switch. The engine should stop.



⚠ WARNING

If the engine fails to stop, recheck all wiring. Should the engine fail to start or stop, or resume running with the lanyard fork removed, consult your local marine dealer for assistance. Do not change the length of the lanyard or use another manufacturer's lanyard on this interrupt switch, as either may affect switch operation.

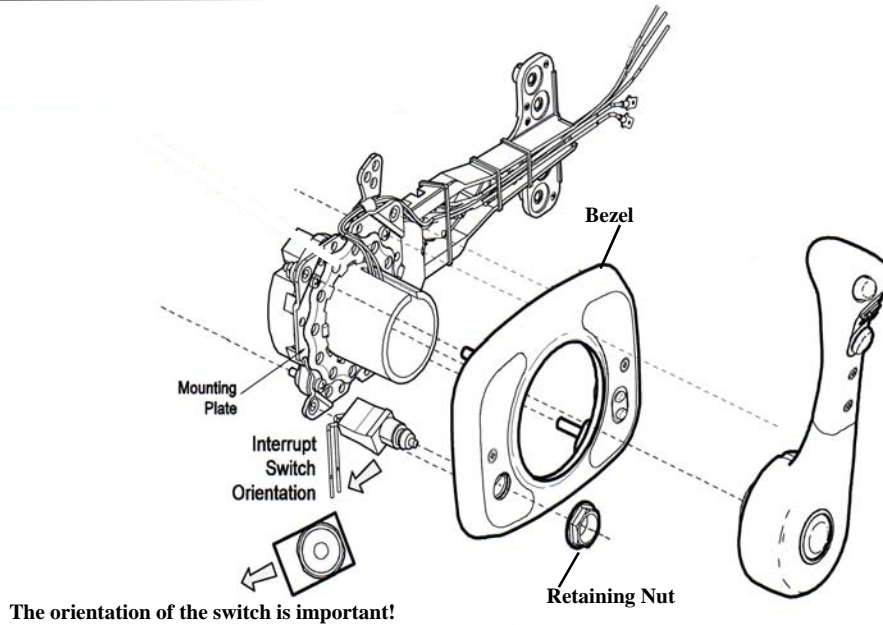
If you need assistance during this installation call Teleflex Marine Technical Services at 610-495-7011.

Installation Instructions

All wiring, connections and terminations should be done in accordance with ABYC Spec E 11-03. Before drilling, check behind the gunwale or panel for sufficient clearance and space around wires, tubes, pipes and other obstructions.

1. If installing the switch as a retro fit, remove the 4 mounting screws that retain the bezel. Remove the bezel. Ensure the cutout is large enough to allow the interrupt switch to pass through the gunwale when mounted. (See *Exploded View* on page 3 for switch location.)
2. If installing the control for the first time, use the template (supplied with the control) to cutout the gunwale.
3. Insert the switch from the rear of the gunwale or from the front. Your choice will depend on the design of your boat and access to the cavity between the hull and the gunwale.
4. Orient the switch according to the *Exploded View* diagram before inserting the switch into the space provided in the control mounting plate, the cutout and into the bezel.
5. Insert the 4 mounting screws through the bezel cutout and into the control mounting plate.
6. Assemble the bezel Insert onto the bezel and add the Interrupt Switch retaining nut. Torque to 40 – 50 inch pounds (3.5 to 4 foot-pounds)
7. Insert the lanyard clip under the Interrupt Switch plunger. Pull firmly on the lanyard to verify that the clip snaps free. Ensure the nut remains tight, re-torque if necessary. Reattach the lanyard clip to the switch.
8. Complete the Interrupt Switch wiring into the engine electrical circuit according to the instructions below.
9. Complete all testing of the Interrupt Switch function according to the instructions on the following page(s).

Exploded View



Electrical Connections: I/O or Inboard

I/O or Inboard Use ONLY (Normally OPEN)	
1	Disconnect all batteries and any auxiliary on-board or dockside power supplies.
2	Locate the purple ignition switch-to-coil wire; See Diagram A below.
3	Cut the purple wire, strip the ends and install two (2) insulated crimp-on 1/4 inch female disconnect terminals. A crimping tool designed for insulated terminals MUST be used.
4	Attach the female disconnects to each of the male terminals on the Interrupt Switch
5	Recheck all connections.
6	Install Lanyard with the Fork Clip seated on the Plunger.
7	Reconnect battery.
8	Start engine. If engine does not start: disconnect battery, recheck all electrical connections, reconnect battery, restart engine.
9	Remove Lanyard. Engine should stop immediately.

⚠ WARNING

Use 16 AWG Purple stranded, insulated marine quality wire for I/O or inboard applications. (Type HDT, THW, UL 1426 or equivalent.) Be sure this wire goes directly to the coil and not to the instrument or alternator circuit. Selecting the incorrect wire will result in improper switch operation which could lead to serious injury.

Diagram A
I/O and Inboard Wiring
(basic wiring; no specific manufacturer)

