



**Installation Guide: *Bait Tanks***

## Tools Needed:

Wire Strippers  
Vise Grips  
Lighter or Heat Gun  
Electric Drill  
11/16" spade bit  
Rotozip or Dremel  
Small philips head screwdriver  
Medium phillips head screwdriver  
Small flat file  
Sharpie Pen  
6-12 beers depending on frustration level.

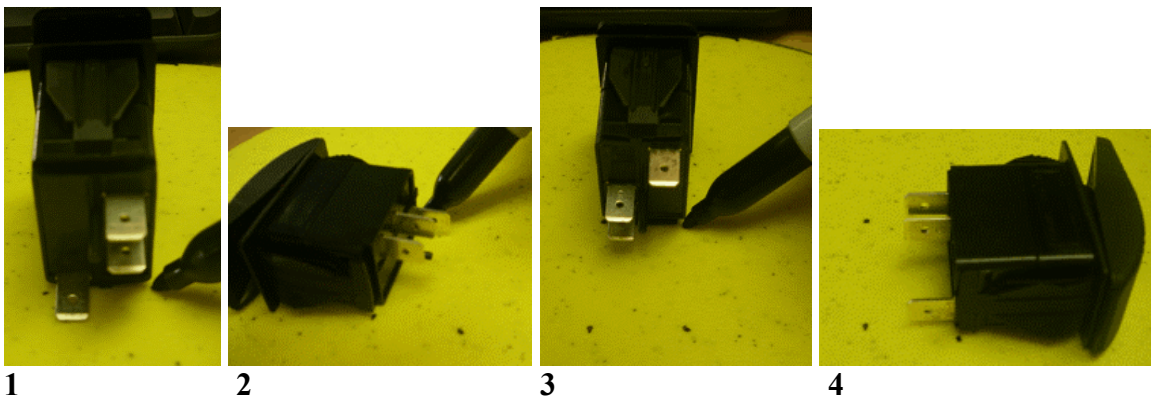
## STEP 1: DETERMINE LOCATIONS

Decide on the locations of your bait tank, battery (inside the kayak), the deck connector for the pump and the on/off switch and mark with a sharpie. Make sure you are able to access the backside of the hole for the deck connector and on/off switch.

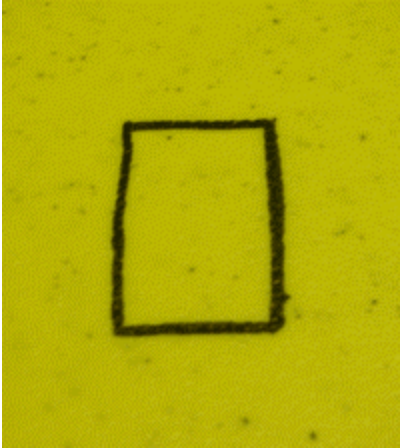
*Note:* If access is limited it is sometimes possible to use a snake (any piece of rigid line or wire such as small metal cable) to run the wiring. Simply string it through the hole you have cut until it reaches your wiring, then tie your wiring to the end and pull it back up through the hole until the wiring is successfully pulled up through the hole.

## STEP 2: CUT HOLES

- A.) Drill an 11/16" hole at the location of the deck connector.
- B.) Mark the edges of the rocker switch by making dots on each corner and then connecting the dots. See below for technique:



- 1.) Mark two corners
- 2.) Lay switch on side and mark third corner (keep at 90 degrees)
- 3.) Repeat for fourth corner
- 4.) Verify that all sides are correct.



- C.) Cut out the rectangular shape with a rotozip, staying inside of the line.
- D.) Fine tune with a flat file until the switch is able to fit. Do not push switch all the way down at this time.

### **STEP 3: MOUNT DECK CONNECTOR**

- A.) Place the white gasket on the back of the female part of the deck connector. Back out the set screws just until you no longer see them in the cylinders.
- B.) Strip about ¼” off the ends of positive and negative wire.
- C.) Reach inside the kayak and push the stripped ends of the wiring out through the hole (from the inside- out).
- D.) Stick stripped ends of wire into deck connector and tighten screws back down.
- E.) Cover the backside of the deck connector with marine goop making sure to cover any exposed metal (chrome is fine, just cover the wire connection).
- F.) Mount deck connector with two small stainless screws.

### **STEP 4: WIRE TIMER SWITCH**

- A.) Determine a location for the timer switch where it will be possible to zip tie it off the bottom of the kayak (around a flushmount rodholders, underside of hatch rim, etc.).
- B.) Cut wiring from deck connector at this location and strip ends.
- C.) Using vise grips, crimp heat shrink butt connectors on stripped ends of wire.
- D.) Strip the ends of the timer switch wires and crimp onto the other side of the butt connectors making sure the arrow on the timer switch that says “pump” is pointing toward the deck connector.
- E.) Heat the butt connectors with a lighter or heat gun until the heat shrink starts to bubble out the ends.
- F.) Connect the other end of the timer switch to remaining wire.

### **STEP 5: INSTALL THE ROCKER SWITCH**

- A.) Stretch the positive and negative wires from the timer switch to the rectangular hole you have cut for the rocker switch. Cut the wire at this location leaving a little slack.
- B.) Strip the ends of the wire and place ½” of shrink tubing on each wire.
- C.) Connect the terminal connectors onto each wire using the vise grips.
- D.) Slide the shrink tubing onto the base of the terminal connectors and heat until it has conformed around the connection.
- E.) Reach inside the kayak and stick the two wires up through the rectangular hole.
- F.) Connect the positive wire to terminal number 3 (numbers are very small, molded into the switch, get the reading glasses).
- G.) Connect the negative wire to terminal number 7.
- H.) Attach the third terminal connector onto the remaining positive wire and connect it to terminal number 2.
- I.) Push the rocker switch all the way down into the hole.

#### **STEP 6: WIRE THE BATTERY LEADS**

- A.) Take the positive wire coming off the rocker switch and run it to the location of your battery. Make sure to leave enough slack to comfortably be able to plug in your battery (or take it out of the kayak to plug in/unplug). If using a battery in a dry bag leave enough slack to be able to roll up the wires in the top of the dry bag. Cut it at this location.
- B.) Anywhere on the “battery” side of the timer switch (not the “pump” side) cut the negative wire.
- C.) Take the remaining negative wire and strip the end. Fold half of the metal strands down and cut them off. Do the same to one side of the negative wire you just cut.
- D.) Take the two stripped wires and twist them together.
- E.) Place in one side of a butt connector and crimp with vise grips.
- F.) Strip the other end of the negative wire which you cut and crimp it into the other side of the butt connector. Heat connector.
- G.) Run the loose negative wire coming out of the connection to the location of your battery and cut it there (should meet the length of the positive wire coming off the rocker switch).

#### **STEP 7: CONNECT THE BATTERY**

- A.) Cut the fuse holder loop and place fuse inside of fuse holder.
- B.) Hold one end of the fuse holder next to the end of the positive battery lead and cut the battery lead to the length of the fuse holder.
- C.) Connect the positive battery lead to the fuse holder using a heat shrink butt connector (you may need to cut out a few strands of the fuse holder if it’s too thick).
- D.) If using a battery in a dry bag connect two more terminal connectors to the end of the battery leads in the same way as the rocker switch. Connect to battery and test.

- E.) If using a HookedOnKayaks Battery Box, remove rubber boot from male end of deck connector and slide onto wiring. Back out set screws and attach in the same way as the female end of the deck connector.

### **STEP 8: RIG UP THE TANK**

- A.) Attach all hoses to the proper fittings on the tank.
- B.) Attach the pump to the end of the  $\frac{3}{4}$ " tubing.
- C.) Zip tie the wiring from the pump along the  $\frac{3}{4}$ " tubing.
- D.) Connect the male end of the deck connector following the instructions in STEP 7:
- E.

**Your installation is now complete. If launching through the surf or turbulent water it is recommended to secure your tank using either bungee, nylon webbing straps or turnbuckles. Thank you for visiting [HookedOnKayaks.com](http://HookedOnKayaks.com) good luck!**