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## RIVA BILGE PUMP KIT INSTALLATION INSTRUCTIONS

### Parts List

1	STD/DLX SWITCH	2	1/2" HOSE CLAMPS
1	SWITCH BRACKET	2	HEAT SEAL EYE-ELECTRICAL CONNECTORS
1	THRU HULL FITTING	2	HEAT SEAL BUTT END ELECTRICAL CONNECTORS
1	360/500 GPH BILGE PUMP	1	2 PART EPOXY (PURPLE)
1	APPLICATOR STICK	2	3/4" I.D WATER LINE (WHITE)

### **1-INSTALLATION OF THE BILGE PUMP UNIT:**

- a. Remove excess water and dirt from the bilge. The adhesive works best if the surface is clean and dry.
- b. Select a location for the bilge pump:
  - \* In the Wave Ventures VXR's, and WaveRunner 3 ~ we recommend installing the pump under the cooler on the starboard side, opposite the battery. (Note, on Wave Venture battery is on starboard side)
  - \* In the SuperJet, Wave Blaster, Wave blaster 2, and Wave Raiders we recommend installing the pump close to the coupler housing at the rear of the engine compartment.
- c. Remove the pump base from the bilge pump.
- d. Apply wet surface epoxy (be sure to read the epoxy instructions first) to the bilge pump base and adhere it to the hull.
- e. Let the epoxy cure for one (1) hour.

### **2-INSTALLATION OF THE WATERPROOF BILGE SWITCH:**

- a. Mount the switch bracket on the handlebar.
- b. Mount the switch on the bracket and route the wire to the battery area.

### **3-INSTALLATION OF THE BILGE PUMP THRU-HULL FITTING:**

- a. Select a location for the thru-hull fitting.
- b. Drill a hole 1" in diameter where the thru-hull fitting is to be placed and install.

### **4-INSTALLATION OF THE BILGE HOSE:**

- a. Clip the bilge pump into the bilge pump base.
- b. Connect the hose to the pump and the thru-hull fitting (make sure the hose clamps are on the hose).
- c. Tighten the hose clamps where the hose attaches to the pump and thru-hull fitting.

### **5-INSTALLATION OF THE WIRING:**

- a. Route the switch wires through the spiral cable wrap, then through the engine compartment and through the bulkhead hole to the rear of the boat (for the WRIII and VXR, under the cooler).
- b. Connect the waterproof solderless connector with the eye opening to the black switch wire.
- c. Connect the white switch wire to the black bilge pump wire with the waterproof solderless connector.
- d. Connect the waterproof solderless connector with the eye opening to the brown bilge pump wire.
- e. Heat the solderless connector to make it waterproof.
- f. Connect the black wire from the switch to the negative terminal on the battery.
- g. Connect the brown wire from the pump to the positive terminal on the battery.
- h. Make sure the hose and the wires do not interfere with the drive train and control cables.