



AC-7 COMPLETE WATER PICKUP & PUMP SYSTEM (WITHOUT BAIT TANK)

530 WELLINGTON AVENUE, CRANSTON, RI 02910

INCLUDES: CENTRIFUGAL PUMP, PRIMING BULB ASSEMBLY, AQUA-SCOOP "Plus" WITH KELP FILTER AND 7' OF REINFORCED VINYL HOSE, BARBED "L" FITTING WITH ADJUSTABLE PETCOCK VALVE WITH POSITION HOLDING WASHER, AND ALL TANK FITTINGS, CLAMPS, AND SS SCREWS NECESSARY FOR ASSEMBLY ON LIVE BAIT TANKS.



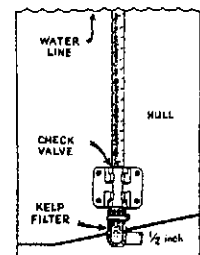
INSTALLATION ON BAIT CONTAINERS: To hold the prime on the pump, mount it so that the priming bulb and water inlet are above it, thereby insuring that the water won't drain out of the impeller chamber when turned off. Position pump, mark and drill two 5/32" holes, coat threads with sealant and attach to tank. Put a little sealant on the pump outlet threads and screw on the priming bulb assembly, facing it slightly upward. Push inlet hose barb into the priming bulb hose, mark tank to center threads, drill a 7/8" hole in tank, and screw petcock valve with washer into it. Cut hose to fit if necessary. Be sure to clamp the hose onto the garden hose barb securely. Even a slight leak will cause prime loss!

SUPERTANK INSTALLATION: Place pump under tank handle, as shown, mark mounting position, and drill two 5/32" holes. Coat threads with sealant and attach pump with screw heads and washers on inside of tank. Follow instructions above!

Pump and priming bulb can also be installed on the boat anyplace between the Aqua-Scoop and the tank. Pull water through pump to prime it by mounting priming bulb above pump (on the tank side). Hose must run continually upward from pump and primer to tank inlet!

To keep the Aqua-Scoop from leaving water, mount it on the transom as deep and close to the "V" as possible, with the pickup tube extending 1/2" below the bottom of boat, as shown. Pickup tube snaps out of bracket when not using, or if hit by an underwater object.

Connect pump to a 12-volt power source with brown wire lead going to positive and black to negative. Use 3 amp fuse in brown lead, either in-line, or in the boat's electrical panel. This pump is not self priming, and **must be primed**, from bottom up, by squeezing priming bulb, or running boat until water enters tank, before turning it on. A check valve on top of Aqua-Scoop prevents back flow and holds prime on the pump, allowing it to be turned off and on as desired.



Hose must run continually upward from Aqua-Scoop to tank inlet. No ups and downs, loops, or possible air pockets. Since even a pinhole leak will cause loss of prime, all hose connections on pick-up side of pump **must be air tight**. We have found that almost all so-called pump failures, or problems, are the result of air leaks in the system!

TROUBLE SHOOTING:

PUMP WORKS, BUT FLOW IS INSUFFICIENT:

- A) Check to see that positive and negative leads are not switched. Brown lead is positive!
- B) Look for obstruction in water pick-up.

PUMP PRIMES AND PUMPS WATER, THEN FLOW STOPS: (Air is entrapped in hose, or there is an air leak).

- A) Check all above water hose connections and clamps for tightness.
- B) Make sure that hose is running continually upward, so that there is no chance of an air pocket.
- C) Test for hole in the hose.

PUMP STOPS RUNNING: (Usually due to a corroded or open connection).

- A) Check all electrical connections for corrosion and test for continuity.
- B) Undo electrical connections and touch pump leads directly to battery terminals to test.