

PW ASSEMBLY INSTRUCTIONS

All Front Mount PWS and (PW-4 F/M 2000)

Advance Information Required

The lift requires some type of stopping mechanism, most common is an L-shaped slip, with a chain running from the back of the lift up to a finger, or a ¼" coated cable from rear of lift up to column on dock in front and over to one side of lift. The lift is supplied with a chain; two tank lifts are supplied with two chains, one for each side.

LAYOUT/PREPARATION

Lay out drawing for lift to be assembled and pull parts from material list on drawing. Inspect parts and tank(s) for any damage that may have occurred during shipment. Position tank(s) with hose nipple facing forward and on the upside (exhaust hole is on the underside and at the rear of the lift).

- Position and attach tank bands and insert 1" PVC elbow on polyethylene tanks per figure 2. (Tank bands require a #2 or #20 hardware bag.)

DOCK BRACKETS

- Install all thread, dock bracket clips and nuts see figure 1, and attach PW yoke per drawing. (Requires a #1 or #3 hardware bag.)

STEP 1 Frame Mounting PWC F/M NF WF Single Tank

1. Attach frame to tank per drawing. (Requires a #1 hardware bag.)

PWC DBL. AND F/M 2000 NF WF Double Tank

1. Attach 85" or 108" crosstubes to tanks per drawing, making sure that they are facing the correct direction. (Requires a #3 hardware bag.)
2. Attach 10' for DBL. or 14' for F/M 20, outer rails, and install UHMW bushing per drawing. (Requires a #19 hardware bag.) (Eyebolts may be used at back of lift for cable attachment.)
3. Attach 32" brace angles, from front crosstube to outer rail per drawing. (Requires ½" x 3" carriage head.) (2- required on DBL. 4- required on F/M 20.) (Tighten all bolts.)

STEP 2 Bunk Risers / Center Walkboard Attachment

1. Attach risers per drawing, 24" between risers is a good standard setting on PWC NF, WF and DBL., on double bunk systems, 3' between the 2 sets of bunks is a standard setting. (Requires a #27 hardware bag.)
2. Attach center walkboard attachments per drawing. (Requires a #27 hardware bag.)

STEP 3 Bunk Attachment

1. Attach bunks with tabs outward, per drawing. (Requires a #29 or #35 for F/M 20.) (Bushings should be inserted per drawing to keep bunk from flipping over.)

STEP 4 Walkboard Attachment

1. 2" x 8" CCA #1 Lumber is supplied with all PWC lifts, length per lift model. Attach per drawing, upper walkboard should extend out over end of tube 4" on the back end of the raised tube.

STEP 5 Hose Installation

1. **Single tank lifts** are supplied with 15' of hose, connect one end to tank nipple and plug the other end.
Double tank lifts are supplied with 20' of hose, cut a length of hose long enough to connect between two tank nipples without kinking.
2. Cut this hose in half, connect to tank nipples and insert 1" PVC tee between both hoses.
3. Attach hose to reach from 1" tee to where control unit will be mounted on dock, attach to 1" tee and plug other end. (See figure 5 for hose layout.) (Same as 3,000 lb. and 4,000 lb. arm lift.)

STEP 6 Preparation for Trailering

1. Cover exhaust hole(s) on underside of tank(s) with exhaust plugs and secure tightly with chain boomers.
2. Attach tow straps to side of single tank lifts, to the front of 2- tank lifts.
3. Lift is now ready to be loaded on trailer and transported to launch ramp along with the following.
Control unit
Dock brackets (R) and (L)
Remainder of parts box

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STEP 1 Dock Bracket Installation

1. See drawing for dock bracket installation measurement. Determine and mark where the dock brackets will be located.
2. Remove or cut banding board as required and attach the dock brackets to dock substructure as reflected in figure 1 leave dock brackets semi-loose for final lift attachment.

STEP 2 Lift Attachment

1. Attach lift to PW yokes per drawing. (Requires a #10 hardware bag.)
2. Secure dock brackets to the top of the dock with appropriate fasteners. Make sure the all thread on brackets is tight including the double nuts.
3. Attach chain(s) or some means of stopping the lift at the desired height.

STEP 3 Control Unit

1. Remove control unit cover and secure unit to the top of dock where preferred.
2. Connect tank hose(s) to control unit.
3. Remove tank exhaust plug(s).

STEP 4 Testing and Operating Lift

1. Open black valve handle and turn switch on, make sure tank(s) bubble out. Then, resume normal lift operation, open all valves, leave motor switch off.
2. After lift is all the way down and resting on the chain, close red handle.
3. Position watercraft on lift with back of watercraft at back of bunks. Raise lift per instructions in lid of control unit.
4. Adjust if required. If watercraft tries to slide off lift, lower front of lift, or adjust chain so that lift does not drop as steep.
5. Record serial number for warranty purpose, record proper information in hand book and leave for customer.
6. Always make sure that watercraft is tied to dock before leaving.