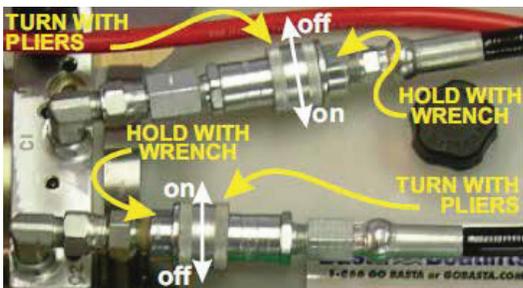


STANDARD FLUSH

In the case of a clogged system where the boat lift is not operational and you are unable to remove the boat from the boat lift you will need to perform steps 2 through 19 below to make the lift operational. Remove the boat from the lift. Lower the lift to the fully lowered position and repeat steps 2 through 19 prior to flushing the cylinder.

Always wear appropriate eye and hand protection. See warning, page 2.

1. Remove the boat from the lift and secure the boat.
2. Lay out a tarp on the dock near the power unit. This will help keep the dock clean and neat.
3. Disconnect the battery.
4. Remove the battery from the dock box, disconnect the hoses from the pump by unscrewing the quick disconnect couplers. If you are using a solar panel, disconnect the solar panel wires from the remote control unit.



5. Pull the pump assembly out of the dock box and place it on the tarp.
6. Remove the breather cap from the pump reservoir and pour the hydraulic fluid into a waste oil bucket. Once drained, place the power unit back on the tarp.
7. Remove the control panel from the pump support board. It is attached by 2-4 screws. Remove the bolts from the bottom of the pump support board that attach it to the pump.

8. Take the four bolts off of the reservoir tank (you will need a 1/4" open end wrench.) If the reservoir tank is held on with a hose clamp, remove the clamp.
9. Place an oil absorbent pad underneath the pump and reservoir tank, pull the tank.
10. Remove the filter screen from the plastic 90 degree tube.
 - a. If you have a bolt on tank you will have to unscrew the filter from the tube (this is a SPX filter).
 - b. If you have a clamp style tank the filter is a one-way press-on fit. You will have to wiggle, pull, and twist the filter at the same time to unseat the filter (this is a Bucher filter).



10a. SPX Filter



10b. Bucher Filter

11. Replace filter.
12. Clean the inside of the reservoir tank with a shop towel.
13. Clean the pump head with a shop towel.
14. Clean the magnet that is attached to the side of the pump head (SPX units only.)
15. Reattach the tank to the pump. If you have a bolt on tank DO NOT over-tighten the bolts or risk damage to the tank. Make sure you DO NOT pinch the O-Ring around the pump head.
16. Reattach the pump board to the pump.
17. Reattach the control panel to the pump board.
18. Fill the tank with new hydraulic fluid, 1" from the top of the tank. Install the vent cap.
19. Keep the power unit on the tarp for ease of working and to reconnect the battery. Make sure the battery terminals are tight.

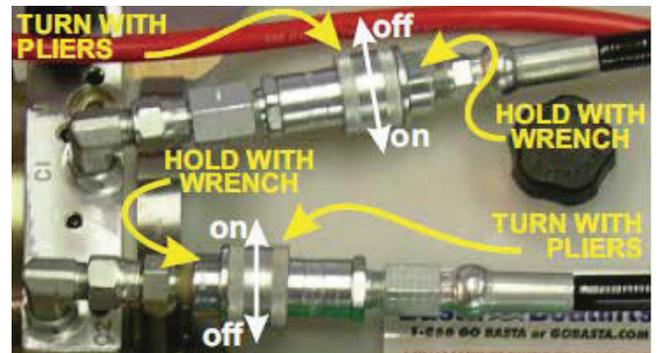
WARNING

High pressure hydraulics can penetrate skin. Oil injected into the skin from high pressure hydraulic systems can cause severe injury. Seek medical attention immediately.

1. Reattach both hoses to the power unit. You will leave the male hose from the cylinder (top of picture) connected.



6. Reconnect the hydraulic hose line separated in step 21.
7. Disconnect both hoses from the power unit at the Quick Disconnect couplers (see below diagram.)



2. Separate the female hose from the cylinder the power unit by unscrewing fitting "A" from fitting "B" using two wrenches. Be careful of any residual hydraulic pressure in the system. See above Warning. Crack the fitting slightly to allow any residual pressure to weep out, then separate the fittings.
3. Put the free hose end into your waste oil bucket. Secure the hose so that it will not come free when raising lift. Oil will be flowing into the bucket when operating the lift.
4. Cover the open fitting on the power unit with a rag (it may burp/leak fluid when raising the lift).
5. Push the UP switch on the power unit, keeping an eye on the fluid level to make sure it does not drop below 1" from the bottom of the tank. Stop raising the lift and add additional fluid if it gets too low. Raise the lift into the Over-Center position.
8. Disconnect the battery from the power unit.
9. Adjust the fluid level in the reservoir so that it is 1" up from the bottom of the tank.
10. Reinstall the power unit assembly into the dock box, reconnect the battery, reconnect the hydraulic hoses, reconnect the solar panel.
11. Test the lift one full cycle down and up checking for power unit fitting leaks with a piece of cardboard. See above Warning.
12. Lower the lift and load the boat.