

USING A BASTA FLUSH BUCKET

Remove the boat from the lift and secure the boat.

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 two people to perform the fluid flush. The second person will need to handle the boat as the boat lift is lowering down after the filter has been replaced.

Always wear appropriate eye and hand protection. See safety information page 2.

1. Lay out a tarp on the dock, near the power unit. This will help keep the dock clean and neat.
2. Disconnect the battery. Remove 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.
3. Pull the pump assembly out of the dock box and place it on the tarp.
4. Using the Basta Flush Bucket
5. Remove the cap from the top of the bucket and put a large funnel in it, remove the vent cap from the top of the power unit's reservoir, turn the power unit upside down and pour out the hydraulic fluid into the waste oil bucket. Once drained, place the power unit back on the tarp.
6. Remove the control panel from the pump support board. It is attached with 2-4 screws. Remove the bolts from the bottom of the pump support board that attach it to the pump.
7. 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.
8. Place an oil absorbent pad underneath the pump and reservoir tank, pull the tank.
9. Remove the filter screen from the plastic 90

TECH TIP #1:

Use a 1/4 swivel adapter on the end of a nut driver for SPX reservoir tanks. You will love it.

TECH TIP #2:

Push down on the motor with one hand and give a sharp pop to the top end of the tank with your other hand to start working the tank off of the O-ring seal.

TECH TIP #3:

To help pull off the Bucher filter, crush the ring edge slightly with a pair of channel lock pliers.

TECH TIP #4:

Put a little oil over the O-ring. Position the tank roughly over the pump head. Stand the unit on the end of the motor with the tank on top and pop the tank sharply with your hand to seat over it the O-ring. Inspect the O-ring through the tank on Bucher pumps-it is prone to rolling out of the groove.

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).



9a. SPX Filter



9b. Bucher Filter

1. Replace Filter.
2. Clean the inside of the reservoir tank with a shop towel.
3. Clean around the pump head with a shop towel.
4. Clean the magnet that is attached to the side of the pump head (SPX units only).
5. Reattached the tank to the pump. If you have a bolt-on tank do NOT over-tighten the bolts, to avoid damage to the tank.
6. Make sure you do NOT pinch the O-Ring around the pump head.
7. Reattached the pump board to the pump.
8. Reattached the control panel to the pump board.
9. Fill the tank with new hydraulic fluid, 1" from the top of the tank. Install the vent cap.
10. Keep the power unit on the tarp for ease of working area and reconnect the battery. Make sure the battery terminal fittings are tight.

IF THE LIFT IS STUCK IN THE DOWN POSITION:

- Attach the male QD hose from the Basta Flush Bucket to the cylinder.
- Attach the male QD hose from the cylinder to the pump.
- Open the vent cap on the Basta Flush Bucket.
- 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 while performing the cycle. Raise the lift into the Over-Center position.
- Stop when the lift is fully raised and disconnect all hoses from the Basta Flush Bucket. Verify fluid is 1" from the bottom of the reservoir. Reconnect the cylinder hoses to the power unit.

⚠ 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.

TECH TIP #5:

Use the manual flow restricter on the Basta Flush Bucket to control the down speed and/or temporarily stop all lowering motion of the lift. Turning it clockwise will slow the down speed. Completely seating the flow control clockwise will stop the lift.

IF THE LIFT IS STUCK IN THE UP POSITION:

- Perform steps 1-19 above.
- Open the vent cap on the Basta Flush Bucket.
- Connect the female QD hose from the Basta Flush Bucket to the cylinder and the female QD hose from the cylinder to the pump.
- Refill the tank 1" from the top with hydraulic fluid.
- Push the DOWN 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 while performing the cycle.
- Disengage the down switch and completely close the manual flow control if you need to add additional fluid to the reservoir tank.
- Stop when the lift is fully lowered and disconnect all hoses from the Basta Flush Bucket.
- Refill the reservoir tank to 1" down from the top.
- Reconnect the cylinder to the power unit.

TECH TIP #6:

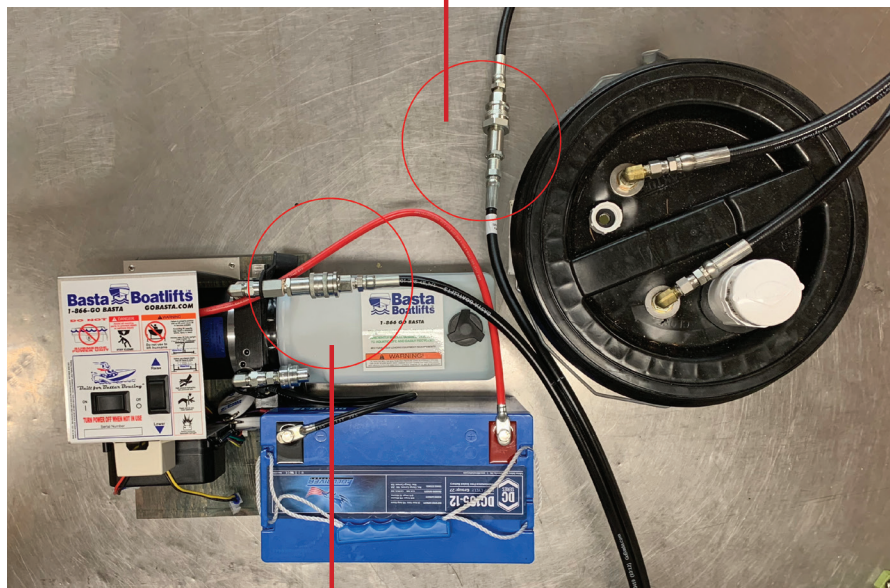
Flush the system both directions if the old fluid was in poor condition.

1. Perform one cycle (UP and DOWN) to make sure the lift is working properly.
2. Check system for leaks near all hose connections and fitting joints.
3. Remove the hoses from the pump.
4. Disconnect the battery.
5. Clean the inside and outside of the dock box.
6. Place the power unit inside the dock box.
7. Place the battery inside the dock box.
8. Reconnect the battery, ensure fittings are tight.
9. Reconnect the hoses to the power unit.
10. Reconnect the solar power wire to the solar regulator unit if you are using solar power.
11. Load the boat back on the lift.



Basta Hydraulic Flush Bucket Part #: A512-0001

Male Quick Disconnect Hose
From Basta Flush Bucket to Cylinder



Male Quick Disconnect Hose From Cylinder to Pump