

Hydraulic Boat Lift Owner's Manual

Assembly and Trouble Shooting Guide



**Register your Pier Pleasure purchase at
www.pierpleasure.com/warranty**



 Register

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BOAT LIFT WARNINGS!

- Read and understand this manual completely before installing the boat lift.
- Instruct everyone about the proper operating procedures.
- Ground fault interrupter must be installed and working properly if you are using an electrical power unit.
- Do not make any electrical connections to the boat lift.
- Be sure to use cordless tools when near to or in water.
- Observe all caution stickers and decals. They are there for your safety.
- Grease clevis pins yearly for enhanced performance.
- To prevent risk of personal injury, do not lift or move lift alone. Be sure to use proper lifting techniques when assembling and moving lift.
- Be sure to tighten all bolts and brackets properly before use.
- Lift must be level with water line to operate properly.
- Your Pier Pleasure limited warranty does not cover ice damage. Do not leave any Pier Pleasure product in the water during winter months. Leaving product in freezing water in all situations is not recommended. Any liability for damages caused by leaving product in freezing water will not be covered under warranty.
- Do not exceed the maximum lift capacity. Exceeding lift capacity may lead to equipment failure and/or personal injury.
- Stop lowering the bunk once the boat is floating. Continuing to lower the lift once the boat is floating can cause excessive slack in the cable than can damage the winch and cable.
- Always check that all your cables are on the pulley groove after lift installation. Lifting up the load beams can cause slack in the cable. Slack can cause the cables to wedge in between the pulley and the beam. This will cause damage to the cable and lift.
- Back-cranking the winch can damage the winch and is not covered by warranty. The winch must be turning clockwise to raise the boat.
- Weight of the boat must be positioned on the lift correctly or damage will occur to the lift frame. See Page 12 for proper positioning of boat.
- Position the lift as close to the dock as possible to operate lift efficiently and make boarding the boat safer.
- Rain water in boat could cause the lift to become overloaded resulting in damage to the winch and lift frame. Remove drain plug from boat when unattended.
- Inspect cables when using the lift for fraying. Replace cable if excessively frayed.
- Inspect pulleys to ensure that they turn freely. Replace excessively worn pulleys.
- Grease all pins with zerks once a year to improve the performance of the pulley system.
- Completely lower the boat lift when any maintenance is done to lift.
- Do not work in or on your boat when raised up in the lift.
- When moving the lift, do not connect to the middle of lift bottom beam to pull. Pulling from the middle of the beam will cause damage to the tube when moving the lift.
- Never attempt to stop the winch wheel when it begins to free wheel or reach through the spokes of the winch wheel for any reason or personal injury could occur.
- Never operate the lift with the remotes unless the lift is in view. Unattended operation of the lift could cause damage to the lift and bodily harm to anyone around the boat lift.
- Do not let anyone swim or play under or around the boat lift or dock. Keep clear during operation of the lift. No jumping from, diving off or running on the dock or near the boat lift. Severe head, neck, back injury or death could result. Wear Personal Floatation Device(PDF) for added protection when on the dock.

Thank you for your investment you have made in Pier Pleasure. We appreciate the confidence you have put in our product and us. Please read the instructions thoroughly. If you have any questions, please contact your dealer. May your Pier Pleasure hydraulic boat lift bring you many years of enjoyment. This manual is a supplement to the main Pier Pleasure Owner's Manual that shows assembly and operation of the vertical lift. Please contact your dealer if need additional manuals or assistance.

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Read Warnings First!

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WARNING

- System shut-off switch should be turned off when lift is not in use. This will disengage power to the pump and prevent accidental use of the remote by a child or other users. (Turn the Green Knob.)
- Watches, jewelry, and other metal objects that come in contact with electrical system will spark and cause serious injury. Always remove all jewelry and shut off the system switch before working inside the hydraulic box. (Turn the Green Knob.)
- Hydraulic lifts raise and lower quickly. **THINK** before pushing the power switch or remote and **WATCH** what you are doing!
- **DO NOT** overfill hydraulic fluid tank. Overfilling the fluid in the system will cause fluid to spill out into the box as the lift raises the boat. When the lift is fully raised, the fluid should not be higher than 1" from the top of the tank.
Tank Level:
 - Highest level when lift is completely raised.
 - Lowest level when lift is completely lowered.
- While hoses are disconnected, keep hose couplers free from dirt, dust and other debris to prevent contamination of the pump.
- Always wear safety glasses when connecting and disconnecting hydraulic hoses.

WARNING

HYDRAULIC LIFT SAFETY INSTRUCTIONS

1. Read all instructions and inform all users about the proper operating procedures.
2. Make sure all nuts and bolts are tightened properly before use.
3. Grease pins with zerks annually for enhanced life.
4. Lift must be level with water line to operate properly.
5. DO NOT allow anyone to swim or play near the lift. Keep everyone clear of the lift during operation on the lift.
6. Stop lowering the bunk once the boat is floating.
7. Weight of the boat must be positioned on the lift correctly or damage may occur to the lift. See Owner's Manual for proper positioning of boat.
8. DO NOT exceed the maximum lift capacity. Exceeding lift capacity may lead to equipment failure and/or personal injury.
9. If you do not have a lift canopy or boat cover, rain water in the boat could cause the lift to become overloaded resulting in failure. Remove drain plug from boat when unattended.
10. Inspect cables periodically for fraying. Replace cable if excessively frayed.
11. Inspect pulleys to ensure that they turn freely. Replace excessively worn pulleys.
12. Completely lower the boat lift when any maintenance is done to lift.
13. DO NOT work in or on your boat when raised up in the lift.
14. Hydraulic lifts raise and lower quickly. **THINK** before pushing the power switch and **WATCH** what you are doing!
15. To prevent damage to lift canopy and/or boat while lifting, determine a maximum height and mark stopping point on the lift upright. See Owner's Manual on how to mark the stopping point.
16. DO NOT disconnect hoses from pump while the system is under load. The pressure trapped in the hydraulic hoses will make it difficult to connect the hoses again.
17. DO NOT disconnect hoses from hydraulic cylinder while the system is under load. This will cause the boat to fall immediately and may cause damage to the boat and lift.
18. Always wear safety glasses when connecting and disconnecting hydraulic hoses.
19. Never grab the lift cable with your hand while operating lift. Personal injury may occur.
20. Keep hose couplers free from dirt, dust and other debris to prevent contamination of the pump.
21. Hydraulic fluid from the cylinder may flow slowly back into the pump over an extended period of non-usage. This may cause the unit to lower slowly on its own. The lock pin will prevent the lift from lowering. Install the lock pin in the correct hole on the hydraulic beam assembly. See Owner's Manual for the installation and removal of lock pin.
22. System shut-off switch should be turned off when lift is not in use. This will disengage power to the pump and prevent accidental use of the remote by a child or other users. See Owner's Manual for the proper use of the system shut-off switch.

Hydraulic Beam Assembly Installation

The hydraulic beam assembly is attached to the canopy arms of the lift with use of 3/8" bolts and brass nuts. If you do not have a canopy, short inner legs are available to attach the beam assembly. The hydraulic beam assembly is very heavy and will require additional help to lift into place. Place beam into position and install canopy arms. If the boat lift doesn't have a canopy frame with canopy arms, short inner leg tubes are available. Tighten all bolts for canopy arms / tubes and hydraulic beam.

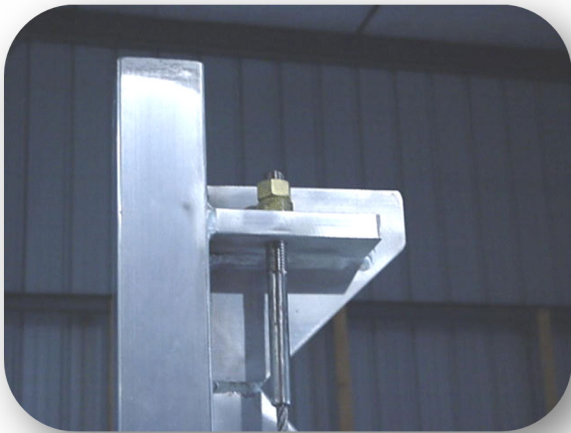


Current Hydraulic Box is TAN

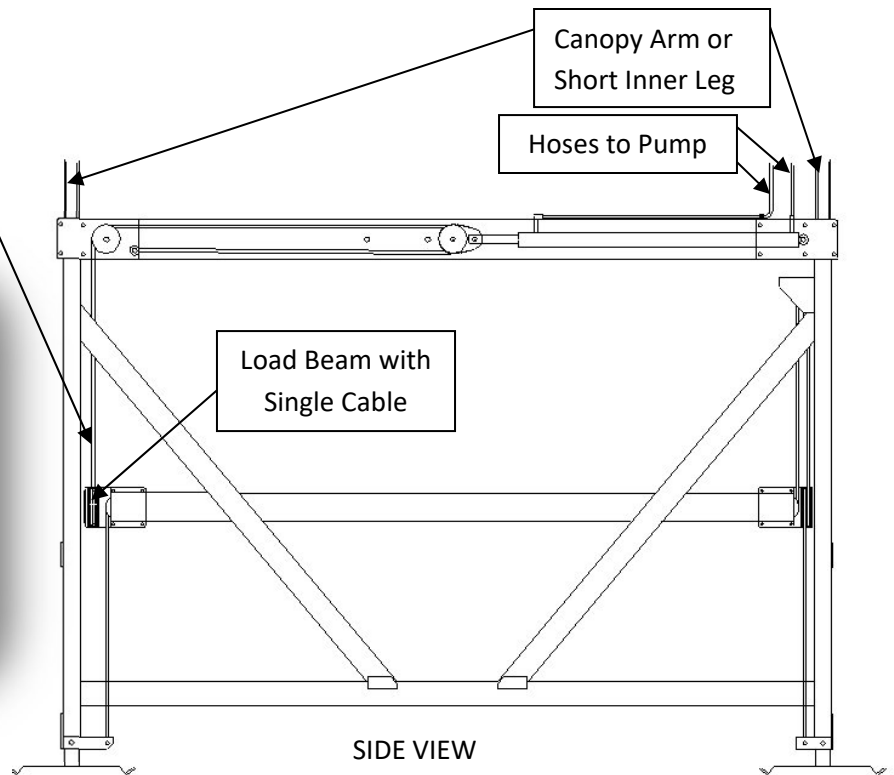
Cable Installation

The cable from the hydraulic beam assembly is installed through the bunk beam. There are two sheaves located in the bunk beam that will have to be removed and reinstalled into the beam. If you are adding this hydraulic system to an existing boat lift with a winch cable, that cable will also have to be removed. Slide the cable from the hydraulic beam through the beam re-install the sheaves. The threaded rod on the end of the cable is placed through the hole in the flat bar on the opposite side. Place two brass nuts on the threads to properly secure the cable.

Cable installed through the bunk beam and back up to the other side.



Cable installed through load beam and secured into flat on the upright opposite of the hydraulic beam. Use 2 brass nuts to secure the cable.



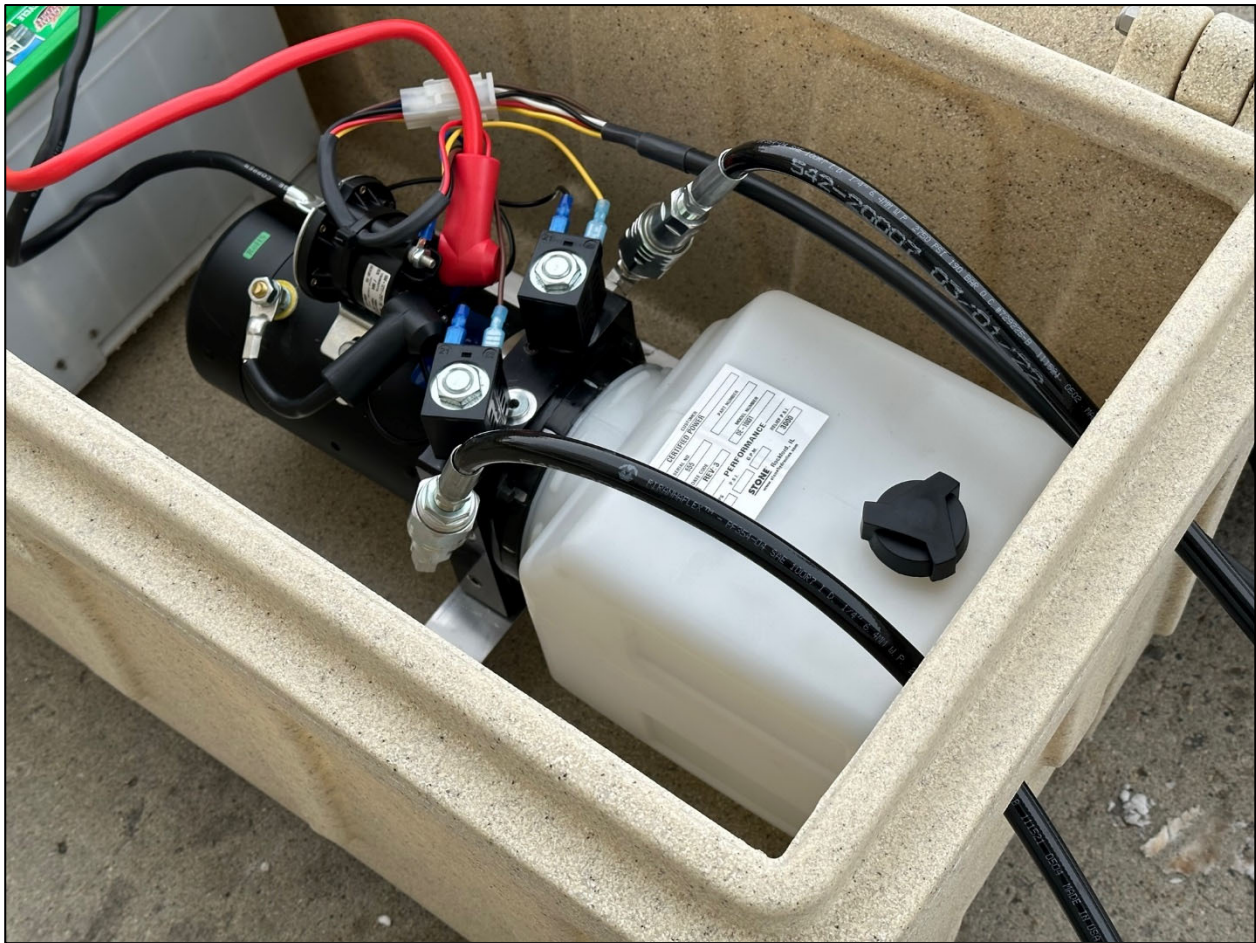
Coupling Hoses to Pump

The hoses from the hydraulic beam assembly are connected to pump in the box. Slide hoses through holes located on the side of the box. Before connecting the hoses, clean dirt and debris from connections. Debris in the pump will cause the pump to fail. To attach the hoses, align matching connections, turn and firmly tighten with adjustable wrench. If the connections are not tight, the pump will not operate properly.

Important :

If the hose connections are not tight, the pump will not operate properly.

Always wear eye protection and heavy gloves when connecting and disconnecting hydraulic hoses to prevent high pressure fluid spray from penetrating the skin.

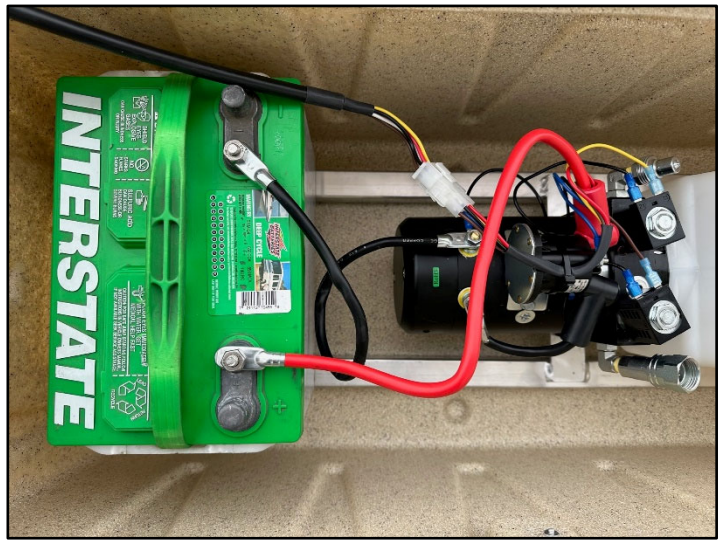


Battery Hook-Up – 12 Volt System (DC)

The battery is **not** supplied with the 12-volt hydraulic system. A 12-volt deep-cycle marine battery is recommended. The battery must have a good charge for the hydraulic system to work properly. Start with charging the battery completely.

Place the battery in the open end of the box and attach the battery cables. Tighten battery cable for a good connection.

RED IS POSITIVE (+) **BLACK** IS NEGATIVE (-)



System Shut-Off Switch (Optional)

Available to add to your system

The 12-volt hydraulic system has an optional shut-off switch. The remote could operate your lift from a great distance. To prevent accidental usage by children who find the remote, use the system shut-off switch to disable the system when not in use. The switch has a green knob and is connected to the battery. Tighten knob down clockwise to operate the lift. Loosen knob

Watches, jewelry and other metal objects that come in contact with electrical system will spark and cause significant injury.

Always remove all jewelry and shut off the system switch before working inside the hydraulic box.



Operating Lift with Remote Fobs

The remote control fobs work the same as the hydraulic control panel show on Page 9.

Press UP to go up and DN to go down.

Press the light button to turn the canopy light on or off.

Press the lock / unlock button for 5 seconds to lock the control panel. Press it again for 5 seconds to unlock the control panel.



Battery Replacement

The Lift Tech remote fobs use two AAAA 1.5-Volt batteries in each. To replace the batteries, remove the four small screws. Using a small flat head screwdriver, gently separate the fob to replace the batteries.



Hydraulic Pump Wire Harness

The Hydraulic Pump Wire Harness has 5 wires that are attached to the pump. The wire Harness allows the Hydraulic Box Control Panel to be simply plugged into the pump.

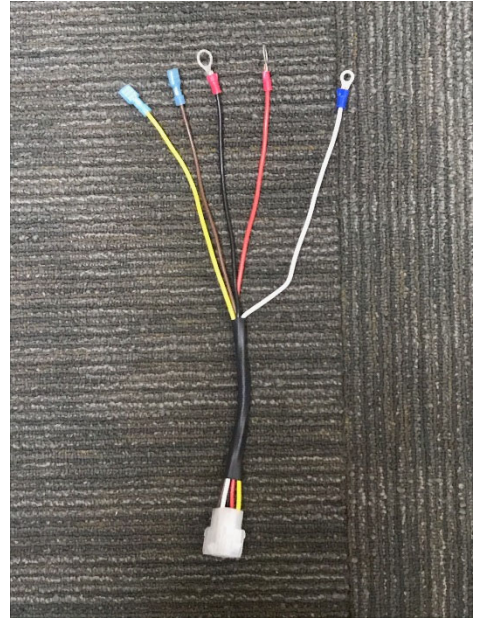
Red Wire – This wire is inserted through the RED Lug Cover and attaches to the Starter Solenoid where the RED battery cable is connected. The RED Lug Cover protects the connection of both red wires

Black Wire – This wire connected to the common ground location on the Starter Solenoid.

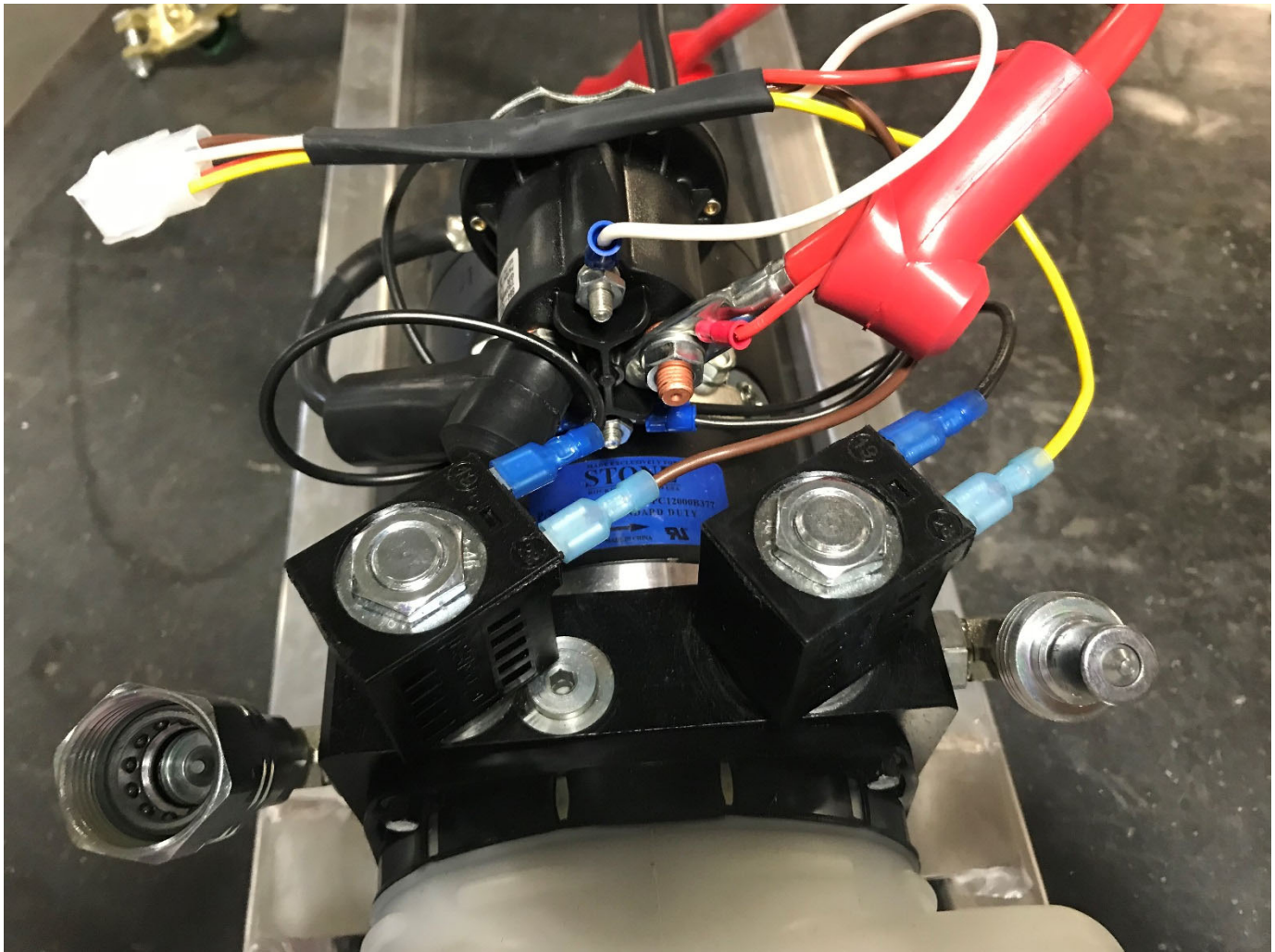
White Wire – This wire connects to the Starter Solenoid.

Brown Wire – This wire connects to the coil.

Yellow Wire – This wire connects to the coil.



If the lift moves in the opposite direction when pressing the up or down buttons, then the BROWN and YELLOW wires need to be switched.



Installing Hydraulic Control Panel



The Hydraulic Control Panel is preferably installed on the adjustable arm of the canopy. First install the hose clamps through the bracket attached to the Control Panel.

Position the Control Panel against the canopy arm slightly tucked under the canopy tarp skirt to prevent rainwater from dripping on the box. You may prefer to slide the control box to the top of the canopy to be completely covered by canopy tarp skirt.

If the boat lift doesn't have a canopy with canopy arms, there is a short inner leg tube available to insert in the lift upright. Also, the control box could be mounted the top of the lift upright post.



HYDRAULIC Control Panel

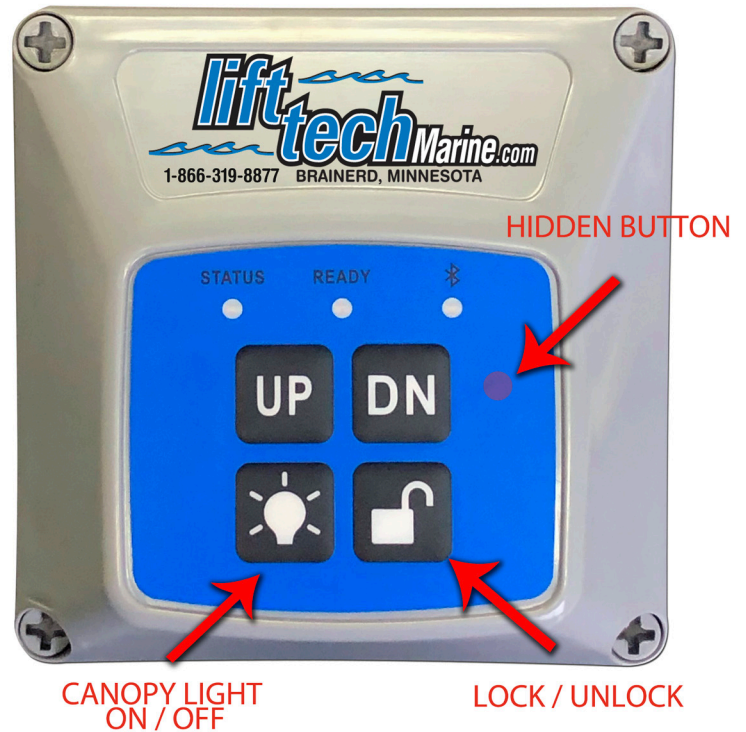
The hydraulic control panel works the same as the remote controls.

Press UP to go up and DN to go down.

Press the light button to turn the canopy light on or off.

Press the lock / unlock button for 5 seconds to lock the control panel. Press it again for 5 seconds to unlock the control panel. When the control panel is locked the STATUS LED and READY LED will blink together.

When plugged into power the READY light will be a solid green. The STATUS light will blink red and the Bluetooth symbol will blink blue. When you pair a phone through bluetooth the light will be a solid blue and no longer flash.



The control panel will go into a sleep mode and the lights will turn off after 2 minutes of not being used. Press any button to wake it up and the lights will come back on.

REMOTE CONTROLS

The two blue remote controls that come with the unit are already paired. To pair another remote control, press the lock and “hidden” key buttons down together on the front of the control panel for 1 - 2 seconds. Then press any button on the remote control. Do the same thing to pair another remote control.

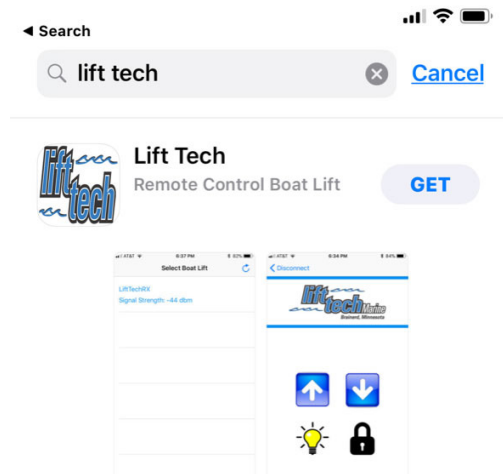
Website:


Go to www.lifttechmarine.com for more information, troubleshooting and how to videos.

IOS Guide For Hydraulic Control

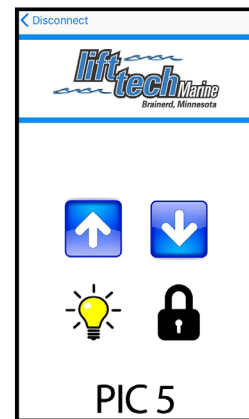
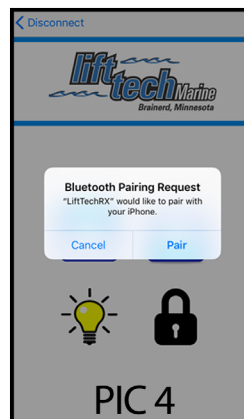
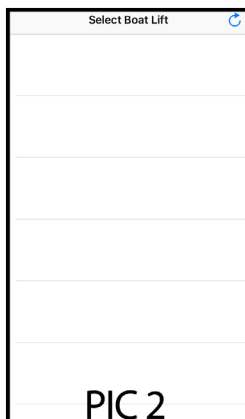
1. Go to the App store and search for Lift Tech and download the app. Once the app is downloaded on your phone, open the app and continue.

2. To activate the Bluetooth pairing sequence press the UP and DN buttons on the control panel at the same time then release. (See picture below).



3. After you have activated the bluetooth sequence look at your phone and Tap the  button in the upper right hand corner of app. (See pic 2) LiftTechRX should now appear like in (pic 3). Tap it and the screen should now look like (pic 4). Now tap on the pair option. ***For security reasons you will have about 30 seconds to complete.**

4. Once paired and connected to a Lift Tech receiver, the screen similar to (pic 5), will show the remote control options.



5. **UP**..... Tapping and holding this button will raise the lift.
DOWN.... Tapping and holding this button will lower the lift.
LIGHT..... Tapping this button will turn your canopy light on or off.
LOCK..... Hold for 5 seconds to lock or unlock the control panel.

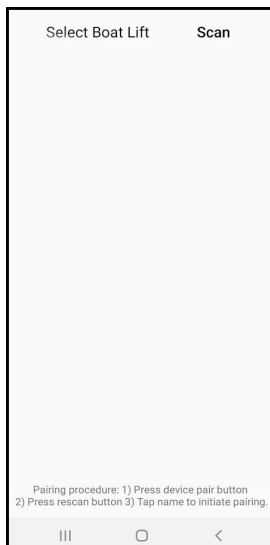
NOTE: When done operating the lift, for security and IOS battery purposes, it is advised to disconnect from the Lift Tech receiver. To do this tap <disconnect in the upper left corner to be returned to the screen shown in pic 3.

ANDROID Guide For Hydraulic Control

1. Go to Google Play and search for Lift Tech Marine and download the app. Once installed open the app.
2. To activate the Bluetooth pairing sequence press the UP and DN buttons on the control panel at the same time then release. (See picture below).
3. Press the scan button on the top right of your phone. (See PIC 1)
4. When the phone finds the motor it will look like PIC 2.



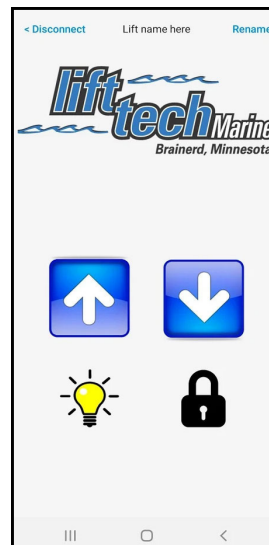
5. Press on the Lift - Signal Strength that comes up on the phone to pair it.
6. Once the phone is paired it will look like PIC 3. You are now done pairing your phone with the control panel. If you want to rename your lift simply press the rename tab on the top right of the app and a box will come up like in PIC 4. Rename it to what you want and hit Rename to save it.



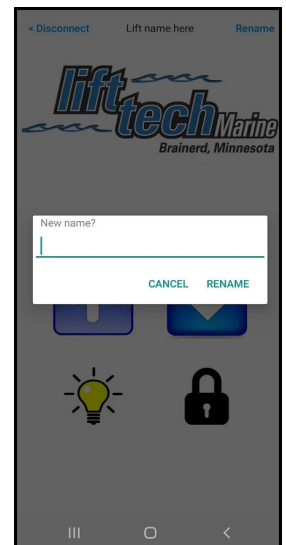
PIC 1



PIC 2



PIC 3

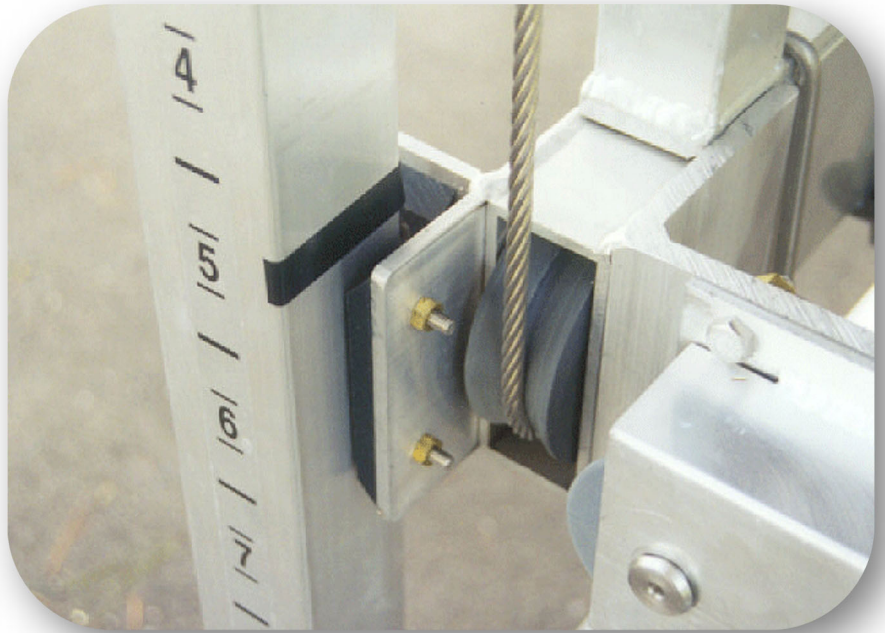


PIC 4

7. **UP**..... Tapping and holding this button will raise the lift.
DOWN.... Tapping and holding this button will lower the lift.
LIGHT..... Tapping this button will turn your canopy light on or off.
LOCK..... Hold for 5 seconds to lock or unlock the control panel.

Marking Stop Point

The hydraulic lift rises very quickly. Damage to your boat and lift canopy could occur. Raise the lift in small increments the first time you raise the boat up under the canopy. Once you have determined the maximum height, mark the stop point on the lift upright post. The stop point should be marked where you can see it from the boat and while standing on the dock. This photo shows the use of black tape.



Access Hole

The access hole to the hydraulic beam is protected by a safety cover. Never use the hydraulic system without having this cover properly installed. This slotted hole in the hydraulic beam allows for service to the hydraulic cylinder, cable, sheaves, and fasteners. Contact your dealer if you are experiencing problems with the hydraulic beam.

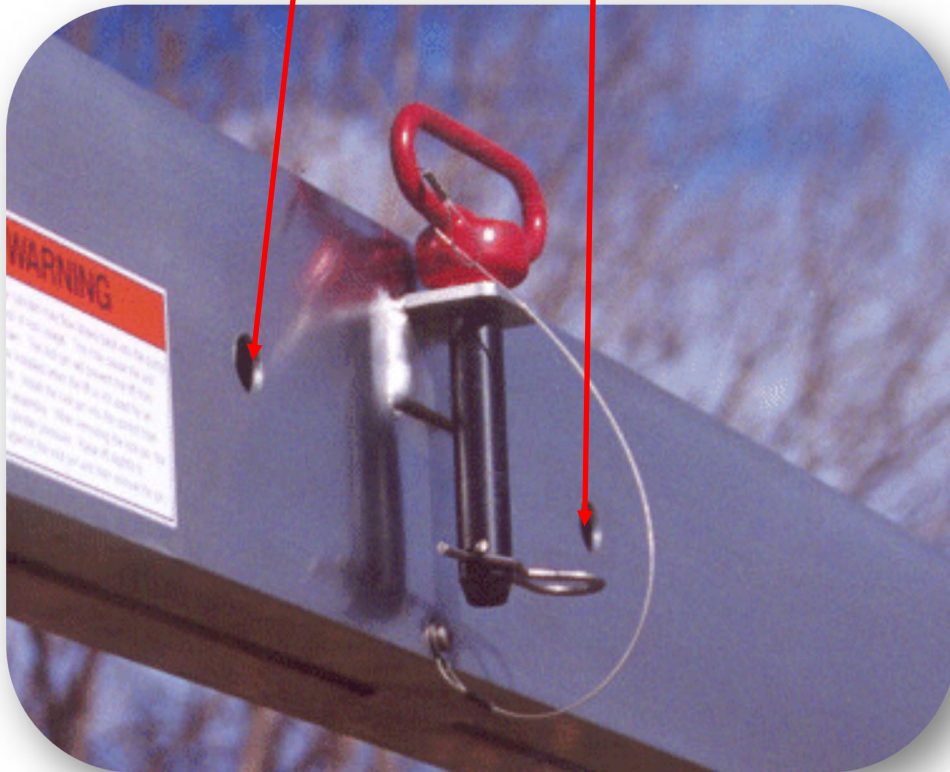
Safety Cover



Use of Lock Pin When Not In Use

Hydraulic fluid from the cylinder may flow slowly back into the fluid tank. To prevent the lift from lowering on its own, install the lock pin into the available hole on the hydraulic beam assembly. The lock pin will stop the lift from lowering. If the lift has lowered against the pin, you will have to raise the lift slightly to remove the pin

Fit Lock Pin into Either Location



! WARNING

Hydraulic fluid from the cylinder may flow slowly back into the pump over an extended period of non-usage. This may cause the unit to lower slowly on its own. The lock pin will prevent the lift from lowering and should be installed when the lift is not being used. Install the lock pin into the correct hole on the hydraulic beam assembly. When removing the lock pin, the pin may be tight from cylinder pressure. Raise lift slightly to remove the pressure against the lock pin and then remove the pin.

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Adding Hydraulic Fluid

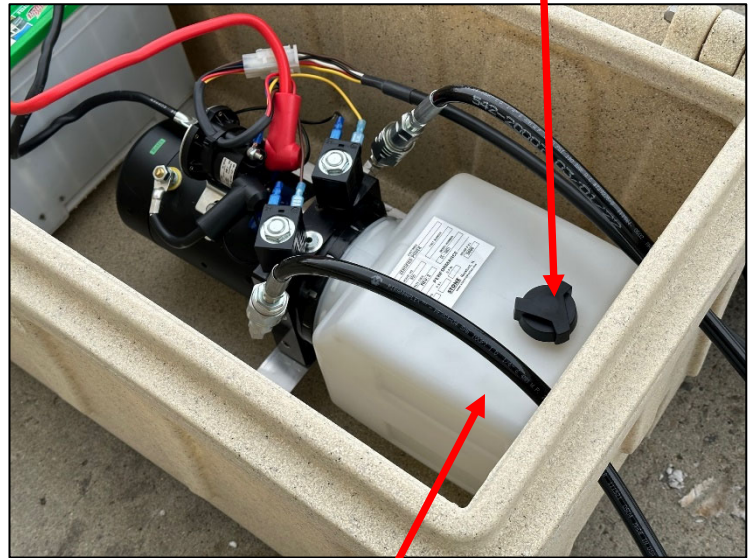
When boat lift is completely lowered, the fluid will be at the lowest level. The tank should be at least $\frac{1}{4}$ full, but not more than half full. If there is less, additional fluid can be added to reach the recommended level in the tank.

The tank will be at its maximum level when the lift is completely raised. Do not overfill the tank or the excess fluid will spill out of the tank through the cap.

Use biodegradable hydraulic fluid. Contact your dealer for assistance in obtaining the correct hydraulic fluid. Factory hydraulic fluid is Clarion Green AW-32.

Flushing Hydraulic Fluid is recommended at least once every 24 months.
See Pages 22 – 23 for flushing details.

Hydraulic Fluid is available from your dealer.



Fluid Tank

Storage for the Off-Season

The black hydraulic pump box is designed to be disconnected for storage during the off-season. There will be pressure in hydraulic hoses when the lift is in the raised position. Lower the lift completely to remove the pressure. Disconnect and roll the hoses. Do not allow the hoses to touch the ground or dirt will stick to connectors. Carefully move the hydraulic box to the storage area.

Do not disconnect hoses from pump while the system is under load. The pressure in the hydraulic hoses will make it difficult to connect the hoses again.

The weight in the box is not equally distributed - Lift with caution!

Pier Pleasure's warranty does not cover wind, storm, or ice damage. Do not leave any Pier Pleasure product in the water during winter months. Any liability for damages caused by leaving product in freezing water will not be covered under warranty.

Canopy Light

The hydraulic control system is equipped with a 12-volt LED canopy light. The light plugs into the Hydraulic Control Panel box. Slide the 12-volt connections firmly together. Using plastic cable ties, attach the LED light to the canopy frame in the desired location. The light can be operated using the remotes Hydraulic Control Panel or the Remote Fobs.

Slide the 12-volt connections firmly together.

Secure cord to lift and canopy frame to prevent catching cord on the boat.



Solar Panel and Solar Panel Rod – 12 Volt (DC) (Optional)

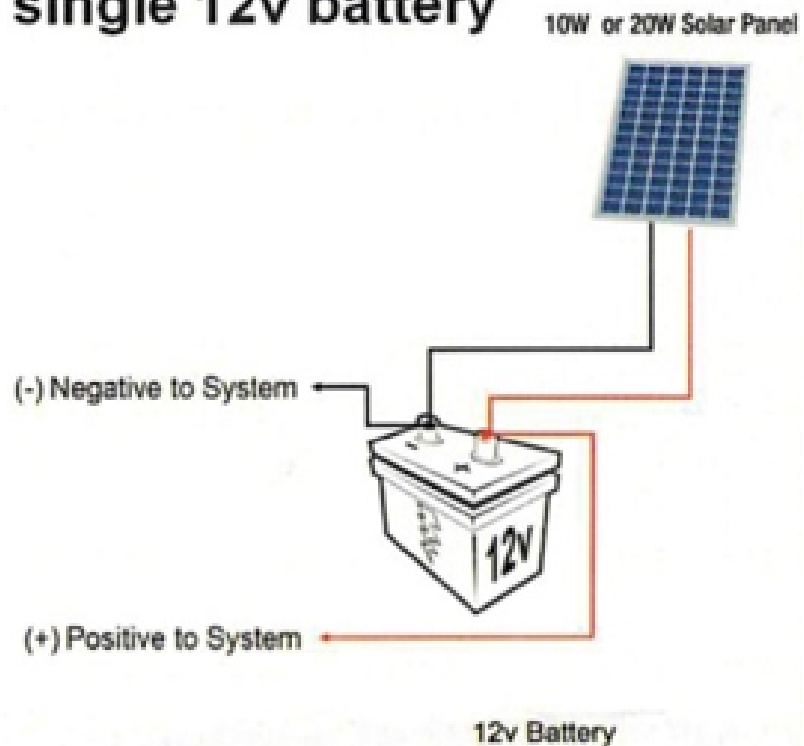
The solar panel is available to charge the battery used 12 volt hydraulic system. The solar panel will perform best if placed at 45 degree angle and facing direct south. If the charger does not keep the battery charged, adjust the angle and direction for maximum exposure to sunlight. The rod will allow the panel to be rotated any direction.



Canopy Bracket for the Solar Panel is also available.



Single 10 watt 12v solar panel charging a single 12v battery





Current Hydraulic Box is TAN



Trouble Shooting

Trouble		Remedy	Page
Push remote button and nothing happens.	X	Check system shut-off switch. If switch is turned off, the system will not operate.	6
	X	12 volt battery low. Charge battery with battery charger.	6
	X	Check battery cable connections.	6
	X	If remote fob RED light does not flash - replace batteries	6
	X	Reprogram remote fobs - 12 Volt (DC)	9
Push remote button and lift bounces while raising lift.	X	Use the hydraulic control panel to raise lift. If the control panel works properly, but remote fobs causes the lift to bounce, the 12 volt battery is low. Charge battery.	6
Remote will not work from a distance.	X	Battery low. Charge battery with battery charger.	6
	X	Signal between remote and antenna may be weak. Move closer to hydraulic control panel.	9
Hydraulic fluid tank seems low.	X	When boat lift is completely lowered, the tank will be at the the lowest level and the tank should be 1/4 full. Additional fluid can be added to reach the recommended level in the tank. Adding too much fluid will overflow tank when raising lift.	14
Push button on remotes, pump runs, but will not move lift either up or down.	X	Hose couplers not completely tight. Use adjustable wrench to tighten couplers.	5
Hydraulic pump squeals and will not raise the boat completely. (Cylinder is not fully extended)	X	Pressure relief valve can be adjusted up. Factory Setting : 3000 psi Turning up pressure relief too high can cause damage to the pump. Make only 1/8 to 1/4 turn and test.	21
When running the pump, the lift only goes <u>down</u> .		Valve / Coil is not shifting.	
	X	Hose couplers not completely tight. Use adjustable wrench to tighten couplers.	5
	X	Check for loose wires.	
	X	Check if coil is grabbing magnetically. If not, replace coil.	20
	X	Valve plugged : Remove valve, clean and replace	20
When running the pump, the lift only goes <u>up</u> .		Valve / Coil is not shifting	
	X	Hose couplers not completely tight. Use adjustable wrench to tighten couplers.	5
	X	Check for loose wires.	
	X	Check if coil is grabbing magnetically. If not, replace coil.	20
	X	Valve plugged : Remove valve, clean and replace	20

Trouble Shooting

Trouble		Remedy	Page
When running the pump to <u>lower</u> the lift, the boat lift only moves slightly, locks up or stalls			
	X	Check for loose wires.	
	X	Check if coil is grabbing magnetically. If not, replace coil.	20
	X	Valves plugged : Remove valves, clean and replace	20
After raising lift up, the boat lowers back down	X	Hydraulic system has debris in the system allowing leakage through the valves.	
	X	A slow leak may be caused by debris in the valves. Remove valves and clean thoroughly, replace and raise boat lift back up. If leakage continues, a full system flush may be required. Flow Valve VF-4009 may need to be replaced to stop the lift from leaking down.	20 22-23
	X	A quick leak is caused by significant debris in the system and will require a full system flush and complete cleaning of both valves.	22-23
Canopy light is not working	X	Check cord connection.	8
Solar panel not charging battery.	X	Check wiring the wiring for the solar is connected to the battery correctly.	16
	X	Solar panel must be facing to direct south at 45 degree angle or adjusted to receive direct sunlight.	16

**Flushing Hydraulic Fluid is recommended
at least once every 24 months.
See Pages 22 – 23 for flushing details.**

**Hydraulic Fluid is available
from your dealer.**

Watches, jewelry and other metal objects that come in contact with electrical system will spark and cause significant injury. Always remove all jewelry and shut off the system switch before working inside the hydraulic box.

Hydraulic Valves and Coils

Coil Problems

When operating the pump, the coils will grab the valve magnetically. To test this, remove the nut that is secured on top of the coil. The coil will now be free to move up and down on the valve. Hold the coil up on the valve and then press the “up” or “down” button on the remote. The coil will grab the valve once the power begins to run. A screwdriver on top and touching the valve can also test the coil. Set a screwdriver on top of the valve, press a remote button and check if the screwdriver is grabbed magnetically. Replace the coil if it is not working properly.



Coil

Valve

Valve Problems

Debris can become lodged in the valves causing leakage and performance problems. The valves can be removed with a wrench. Inspect the valves for damaged o-rings, clogged ports and other possible defects that could cause performance problems. Clean with compressed air. If the lift continues to leak down slowly the flow valve VF-4009 may be damaged and need to be replaced.



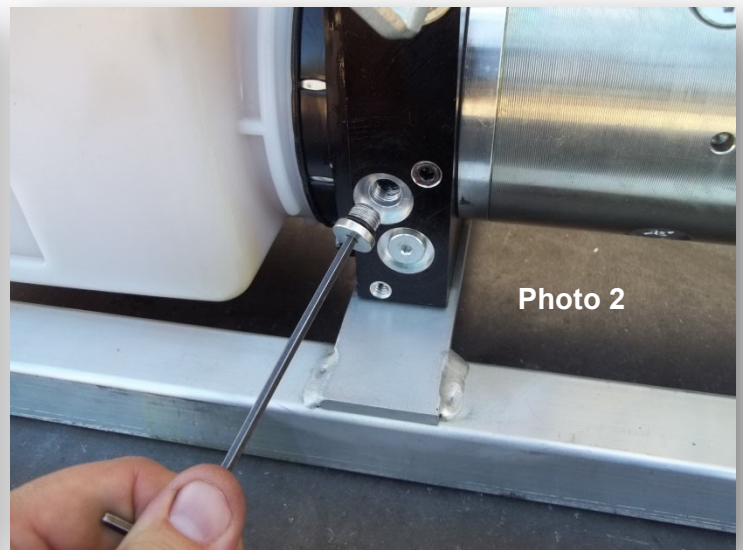
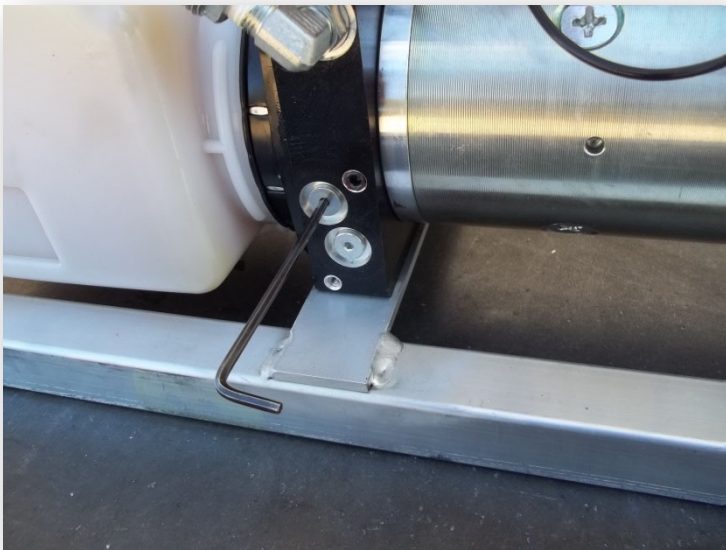
Flow Valve VF-4009
Part #: 542-25050

Pressure Relief Adjustment

The pressure relief has a default setting of 3000 psi. In some cases, the pump may be set slightly lower than 3000 psi. If the pump begins to squeal before the lift completely raised, the pressure relief may need to be increased. The squealing is the flow of fluid over the pressure relief under the load of the boat. If you increase the relief pressure, the pump will raise the boat lift with the load of the boat.

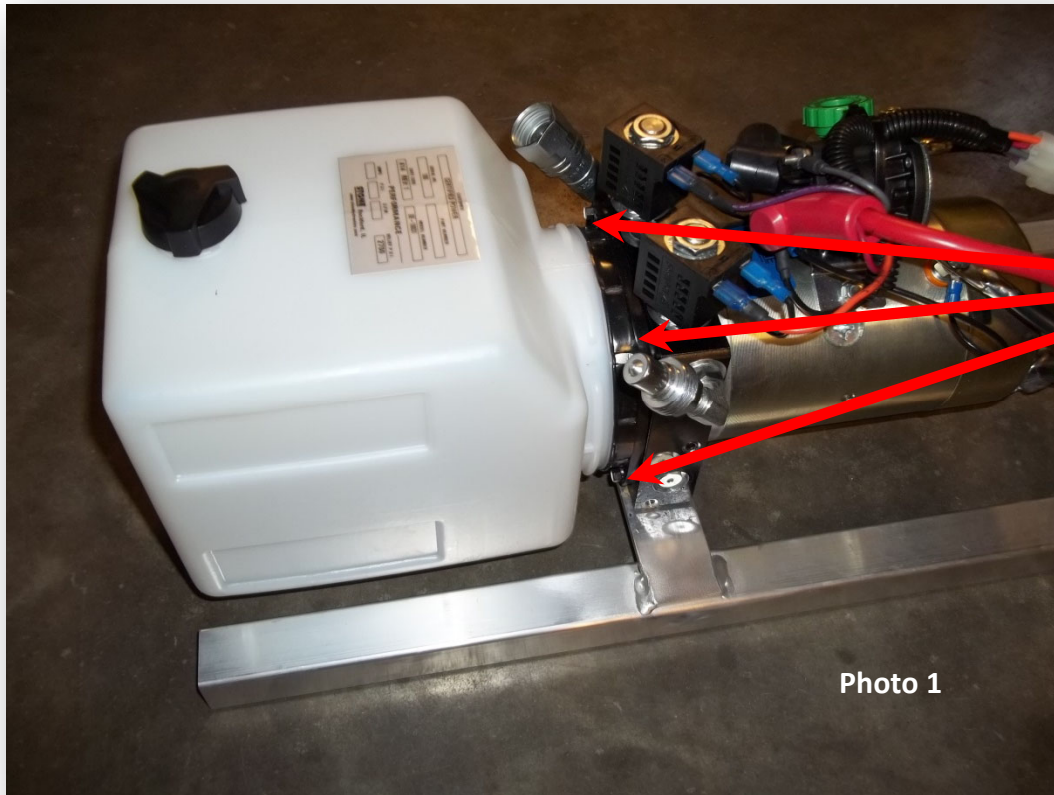
To increase the relief pressure, use an 1/8" Allen wrench to remove the cap over the pressure relief valve (Photos 1 & 2). With a 3/16" Allen wrench, turn the valve 1/8 to 1/4 turn in clockwise (Photo 3). Do not turn more than 1/4 turn without testing if system is working properly. **Excessively turning relief valve pressure up will cause damage to the relief pressure valve and/or pump.**

Access to relief valve adjustment is located on the back of the pump when the pump is in the poly box. You may remove the pump from the box to make adjusting easier. Photos of the pump and relief valve adjustment are shown with pump removed from the black poly box.



Flushing the Hydraulic Fluid on a Hydraulic Boat Lift

- A. Remove the boat from the boat lift and **LOWER** the lift completely to its lowest point.
- B. Disconnect the hydraulic hose lines and remove the pump from the box.
Place the pump on a solid, stable surface. (Photo 1)



There are four bolts that hold the reservoir mounting plate to the pump housing. (The fourth is hidden from view)

Photo 1

- C. Drain hydraulic reservoir by removing cap and pouring oil into a bucket or other suitable container. Remove reservoir from pump. Your reservoir is held in place by four small bolts in each corner of the mounting plate. (Photo1)

A small amount of mineral spirits or other solvent may be applied to a wiping cloth to loosen stubborn dirt.

- D. Reinstall reservoir on pump and fill approximately 1" from top of reservoir with clean environmentally friendly hydraulic fluid. **Recommended Fluid : Clarion Green AW-32.**

Flushing Hydraulic Fluid is recommended at least once every 24 months.

Hydraulic Fluid is available from your dealer.

- E. Install the hydraulic line that RAISES the lift. This is the “female” coupler on the hose. Install it on the “male” coupler on the pump. (Photos 2 & 3).



Photo 2

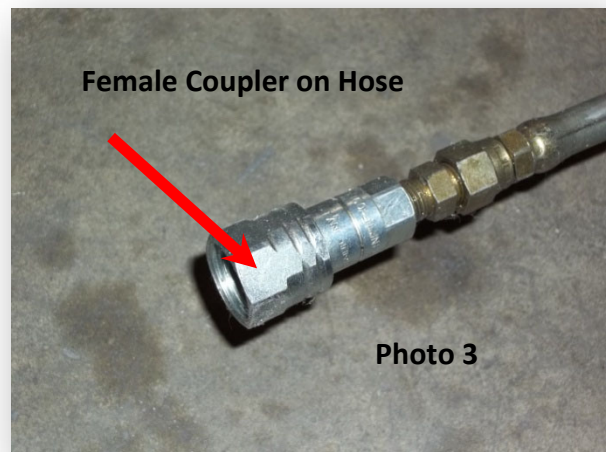


Photo 3

Remove the male fitting from the hose. Secure the end of the hose tightly in a bucket as fluid under pressure will cause the end of the hose to whip around erratically.



Photo 4

- F. Remove the “male” coupler from the end of the hose that has not been reconnected. (Photo 4) Then, secure the end of this hose in a bucket or other suitable container. NOTE: Fluid will be under pressure in the next step. Secure the end of the hose, or have a helper hold the hose tightly. The hose will whip around if it is not secured tightly!
- G. Start raising the lift while watching the fluid level in the pump reservoir. You will have to add hydraulic fluid as the lift is raised. When the lift has reached its fully raised position, reinstall the male fitting on the hose. Remove the hose that is attached to the pump and put the pump back in the box. Install both hoses on pump and run the lift all the way to the lowest point again, then all the way to the top as a test. Recheck hydraulic fluid level and add fluid as necessary. Once everything tests out properly, the boat may be installed back on the lift.

Tank Levels :

Lowest level when the lift is completely lowered.

Highest level when the lift is completely raised



Remote Fob

Part #: EPULT-BLUEFOB



Remote Fob (Older)

Part #: 542-REMOTE



System Shut-Off Switch

Part #: 542-SWITCH



Solenoid Part #: 542-25025



Coil Part #: 542-25000



Female Coupler

Part #: 542-21050



Lug Cover

Part #: 542-26100B

Part #: 542-26100R



Terminal Protector

Part #: 542-26000



Male Coupler

Part #: 542-21025



Battery Cable

Part #: 542-BAT-CBL-BLK

Part #: 542-BAT-CBL-RED



3' Hydraulic Hose

Part #: 542-20003

This hose uses Female Coupler
Part #: 542-21050 to attach to
hydraulic pump.



6' Hydraulic Hose

Part #: 542-20006

This hose uses Male Coupler
Part #: 542-21025 to attach to
hydraulic pump.



Release/Flow Valve VF-4009

Part #: 542-25050



Directional Valve VF-6007

Part #: 542-25055

**Flushing Hydraulic Fluid is recommended
at least once every 24 months.
See Pages 22 – 23 for flushing details.**

**Hydraulic Fluid
Clarion Green AW-32
is available from your dealer.**

PIER PLEASURE BOAT LIFT LIMITED WARRANTY

During the term of the Limited Warranty on your Pier Pleasure Boat Lift, Pier Pleasure's obligations and liabilities under this warranty are limited to covering the cost of all parts and labor needed to repair or replace any Pier Pleasure supplied item that proves defective in material, workmanship or factory preparation. These repairs or replacements (parts and labor) will be made by your dealer using new or remanufactured parts for the periods specified for each product as follows:

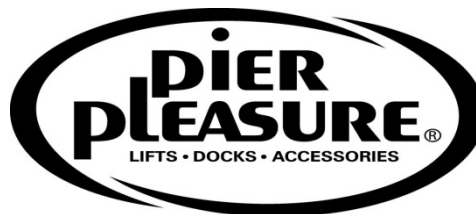
20-Year Boat Lift Structural Limited Warranty	
Aluminum Boat Lift Structure	20 Years
5-Year Limited Warranty	
Aluminum Boat Lift Canopy Frame	5 Years
Aluminum Box Winch	5 Years
5-Year Pro-Rated Limited Warranty	
Seamark Fabric™ Tarps	5 Years Pro-Rated
Hydrofend Canopy Tarps™	5 Years Pro-Rated
Vinyl Tarps	5 Years Pro-Rated
1st Full Year - Replacement or Repair Cost Credit	100%
2nd Full Year - Replacement or Repair Cost Credit	80%
3rd Full Year - Replacement or Repair Cost Credit	60%
4th Full Year - Replacement or Repair Cost Credit	40%
5th Full Year - Replacement or Repair Cost Credit	20%
2-Year Pro-Rated Limited Warranty	
Dutton-Lainson Winches	2 Years
Stainless Cables	2 Years
Aluminum Sheaves	2 Years
Stainless Hardware	2 Years
Hydraulic System : Cylinder, Pump, Hoses	2 Years
Fittings, Remote Unit and Remote Fobs	2 Years
2-Year Pro-Rated Limited Warranty	
All Boat Lift Accessories	2 Years

Commencement of Warranty

The Pier Pleasure Limited Warranty will commence the date the original owner takes delivery of a new Pier Pleasure Boat Lift.

Warranty not Transferable or Assignable:

This Pier Pleasure Limited Warranty shall extend only to the original owner of our product and is not transferrable or assignable. The "original owner" is defined as the first legal owner of a Pier Pleasure Boat Lift other than an authorized distributor or dealer who has bought the boat lift from Pier Pleasure for resale to the public.



What your Pier Pleasure Limited Warranty

Does Not Cover: Your Pier Pleasure Limited Warranty does not cover the costs of repairing damage caused by environmental factors or Acts of God.

"Environmental factors" include, but are not limited to,

such things as airborne fallout, chemicals, tree sap, salt, brackish water, galvanic corrosion, electrolysis and water hazards. "Acts of God" include, but are not limited to, such things as rainstorms, hailstorms, windstorms, tornadoes, lightning, floods and earthquakes.

Your Pier Pleasure Limited Warranty does not cover ice damage. Do not leave any Pier Pleasure product in or near the water during winter months. Leaving any Pier Pleasure product in freezing water in all situations is not recommended. **ANY LIABILITY FOR DEFECTS OR DAMAGES CAUSED BY LEAVING PRODUCT IN FREEZING WATER WILL NOT BE COVERED UNDER THIS WARRANTY.**

Your Pier Pleasure Limited Warranty does not cover the costs of repairing damage caused by poor or improper maintenance. The Pier Pleasure Limited Warranty does not cover the costs of normal or scheduled maintenance of your aluminum Pier Pleasure Boat Lift.

Your Pier Pleasure Limited Warranty does not cover the costs of repairing damage or conditions caused by fire or accident; by exceeding load ratings; by abuse or negligence; by misuse; by improper installation or removal; by tampering with parts; by improper adjustment or alteration; or by any changes made to your Pier Pleasure Boat Lift that do not comply with Pier Pleasure specifications.

The Pier Pleasure Limited Warranty does not cover commercial use applications of any Pier Pleasure product.

**Register your Pier Pleasure purchase at
www.pierpleasure.com/warranty**

Boat Lift Modification or Alteration:

Unauthorized modifications or alterations of, or use of components other than genuine Pier Pleasure components, on any Pier Pleasure products are not recommended. ANY LIABILITY FOR DEFECTS OR DAMAGES CAUSED BY SUCH UNAUTHORIZED MODIFICATIONS OR ALTERATIONS OF, OR USE OF COMPONENTS OTHER THAN GENUINE PIER PLEASURE COMPONENTS, WILL NOT BE COVERED UNDER THIS WARRANTY.

Production Changes:

Pier Pleasure and its distributors and dealers reserve the right to make changes in Pier Pleasure boat lifts built and or sold by them at any time without incurring any obligation to make the same or similar changes on boat lifts previously built and or sold by them, including with regard to any warranty repairs or replacements and this Pier Pleasure Limited Warranty does not cover the cost of adding anything to any Pier Pleasure product once it is delivered to the original owner.

Disclaimers:

THE LIMITED WARRANTY SET FORTH HEREIN IS IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES WHETHER IN CONTRACT OR IN TORT, NEGLIGENCE, EXPRESSED OR IMPLIED, IN LAW OR IN FACT, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

TO THE MAXIMUM EXTENT PERMITTED BY LAW, PIER PLEASURE SHALL NOT BE LIABLE FOR ANY COSTS, LOSS, EXPENSE, DAMAGES, SPECIAL DAMAGES, INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES ARISING DIRECTLY OR INDIRECTLY FROM THE INSTALLATION, USE, MISUSE, OR INABILITY TO USE THIS PRODUCT. THIS EXCLUSION APPLIES REGARDLESS OF WHETHER SUCH DAMAGES ARE SOUGHT BASED ON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT, OR ANY OTHER LEGAL THEORY. SHOULD THE COMPANY NEVERTHELESS BE FOUND LIABLE FOR ANY DAMAGES, THE TOTAL LIABILITY OF THE COMPANY SHALL BE LIMITED TO THE

PURCHASE PRICE OF THE PARTICULAR PRODUCT AT ISSUE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

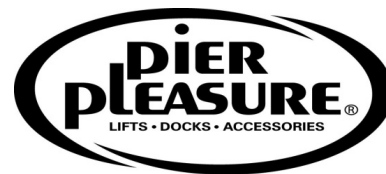
How to Get Warranty Service for Your Lift

Please contact the dealer from whom you bought the boat lift for warranty service. When contacting your dealer, please provide them with your date of purchase and the nature of the problem. If contact with the dealer is not feasible, please contact Pier Pleasure for further assistance.

Pier Pleasure reserves the right to have dealers conduct any necessary warranty service. Dealers and Pier Pleasure, at their sole discretion, reserve the right to have defective parts returned for inspection as part of the warranty claim process. Pier Pleasure does not cover the cost of returning parts.

Thank you for the investment you have made in this Pier Pleasure product. This document contains Pier Pleasure, Inc.'s Limited Warranty. It should be kept in a safe place and presented to your dealer if any warranty service is needed.

Manufactured by:
Pier Pleasure, Inc.
1270 N River Drive
Mankato, MN 56001
Phone 800.658.7010
www.pierpleasure.com



January - 2023

All visual representations, dimensions, and specifications contained in this manual are based on the latest product information available at time of publication approval. The right is reserved to make changes in material, equipment, design, and specifications.

**Register your Pier Pleasure purchase at
www.pierpleasure.com/warranty**

All visual representations, dimensions, and specifications contained in this manual are based on the latest product information available at time of publication approval. The right is reserved to make changes in material, equipment, design, and specifications.

Dock layouts shown in this manual may not meet local and state codes in your area.

Pier Pleasure's warranty does not cover wind, storm, or ice damage. Do not leave any Pier Pleasure product in the water during winter months. Any liability for damages caused by leaving product in freezing water will not be covered under warranty.



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