

A modern two-story house with a boat lift system installed on the water. The house has a light-colored exterior and a dark roof. The boat lift is a metal structure with a platform and a ramp, extending from the dock into the water. The background shows palm trees and a clear sky.

# Synergy Boat Lift Owner's Manual

3350 Palm Avenue  
Ft. Myers, FL 33917

239-744-9970

[orders@boatliftsbysynergy.com](mailto:orders@boatliftsbysynergy.com)

<https://synergyboatlifts.com>



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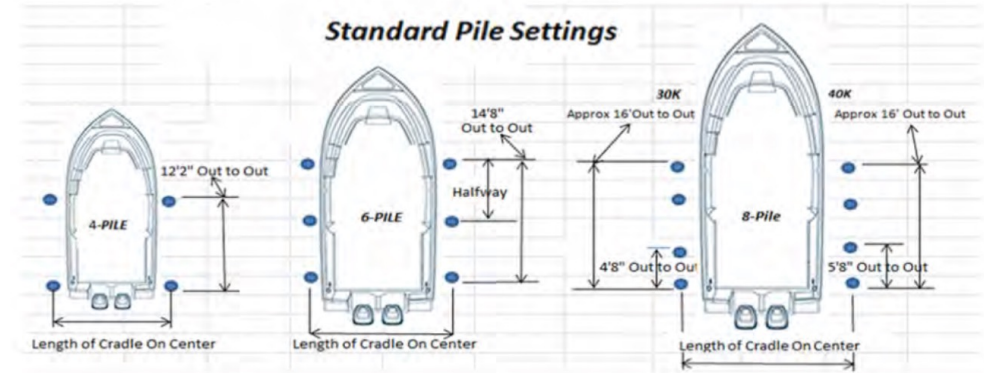
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# Parts Breakdown

## Specifications:

Due to our constant improvements, some parts or components may vary from what is shown in this manual. However, they are equal or better than the originals.



Component	6000#	8000#	10000#	13500#	16000#	16000# Long	20000#	24000#
Top Beams	5"	5"	7"	7"	9"	9"	9"	9'
Top Beams Length	12'6"	12'6"	12'6"	12'6"	15'	15'	15'	15'
Drive Shaft	1.9 SCH 80	1.9 SCH 80	1.9 SCH 80	1.9 SCH 80	1.9 SCH 80	1.9 SCH 80	1.9 SCH 80	1.9 SCH 80
Winders	2.375"X15.5"	2.375"X15.5"	2.375"X15.5"	2.375"X15.5"	2.375"X15.5"	2.375"X15.5"	2.375"X15.5"	2.375"X15.5"
SSAC Cables	5/16"1-PT	5/16"2-PT	5/16"2-PT	5/16"2-PT	5/16"2-PT	5/16"2-PT	5/16"3-PT	5/16"3-PT
Cradle "I" Beams	6X4X11'	6X4X11'	8"X5"X12.5'	8"X5"X12.5'	10"X6"X16'	10"X6"X16'	10"X6"X16'	10"X6"X16'
Motors	75HP	75HP	75HP	1HP	1HP	1HP	1HP	1HP



## Introduction:

Thank you for purchasing a Synergy Boatlift. The word "Synergy" means a finished product that equals more than it's parts. We feel we have lived up to this challenge by creating a lift that is easy to build and install. We have been able to concentrate on using the best components, while maintaining a very competitive price structure.

## Operation:

- Switches:  
Manual switches- There is one switch per motor, and they run the motors independently. If you notice the boat is a bit out of level stop the lift and run one motor up or down to level, if you feel you have a switching problem, contact us or the manufacturer @[www.heftyhoist.com](http://www.heftyhoist.com).
- Remote Control- First determine if you have a GEM remote or a Tiger-Shark. You should have been given an owner/user manual by the installer if one is not available, you can contact us or GEM ([www.gemremotes.com](http://www.gemremotes.com)) and/or Tiger- Shark ([www.tigershark.tele-radio.com](http://www.tigershark.tele-radio.com)) directly. Both companies provide excellent support.

If there is a potential depth issue, it's a good idea for the installer to mark the cable that lifts the corner of the cradle that would bottom out first. The best way is to wrap electrical tape around the cable at the point it exits the bottom of the top beam.



# Maintenance:

We have tried to make these lifts as maintenance free as possible, but there are a few things that need to be done. The first line of defense is observation. Look and Listen if anything looks or sounds abnormal, CALL THE FACTORY. It may be nothing, but better safe than sorry.

## ➤ Drive Unit:

Single Plate: Remove the white covers. On the front of the drive plate, there are 2 grease fittings, behind the large gear there is one fitting. These should be lubed with a good grade Marine Grease twice a year. Don't spare the grease. After greasing, run the lift and grease again. Inspect the drive belt, it should not be cracked or frayed it should be tight enough so that finger pressure on the belt will not deflect it more than 1/8" if the belt needs to be adjusted or replaced, before you loosen the motor bolts, mark the position of the motor on the plate with a pencil. Loosen the bolts, slide the motor up, and remove the belt. Reposition the motor on the plate slightly lower than the original spot and secure the bolts. Place the belt around the small pulley and engage it on the large pulley. Being very careful not to pinch your fingers, manually rotate the large pulley to run the belt on. If there seems to be too much resistance, position the motor slightly higher if necessary, repeat this process until the desired tension is achieved. Tighten motor bolts.





# Maintenance (Continued)

## ➤ *Gear Drive:*

The Synergy direct gear drive is a maintenance-free device. There are ports to add grease if needed. It would be very rare to have a leak, however a visual inspection would indicate this. Occasionally there will be a "sweat" of lube on the surface. This is nothing to worry about. If there is a drip, contact the factory. Gear Drive lifts should be run up and down at least once per month.

## ➤ *Cable Sheaves (Pulleys):*

If your lift is equipped with cable sheaves they will need to be lubed. They are equipped

with fittings and should be serviced twice a year. Use a good grade of Marine grease, to allow the grease to flow properly the boat should be off of the lift.

## ➤ *Cables:*

Boatlift cables should be replaced at least every 5 years, or sooner if there are any signs of wear or fraying. Changing the cable size or material will void any warranty and will likely cause a failure.

\*If the lift is a "Track Elevator" check and replace the Zincs (on small cables attached to the lift) The cradle on all the lifts should be rinsed of regularly with fresh water.





**Raising the Boat:** (The installer should have reviewed the following steps with you.)

Now it's time to lift the boat. We are assuming the boat has already been lifted at least once by the installer, and the bunks and guide pole assemblies have been properly adjusted if this has not been done: **DO NOT RAISE THE BOAT, CALL THE INSTALLER OR THE FACTORY.** Position the boat in the proper location before and after, as directed by the installer, and start the lifts upward travel. Take notice of the attitude of the boat as the lift engages the hull it should be fairly level Port to Starboard, if necessary, level it using the switches. As the boat comes up there should not be any particular signs of strain. It should raise relatively quietly, and smoothly. We recommend not lifting the boat any higher than necessary to get the cradle beams clear of a good, strong, high tide.

## **Lowering the Boat:**

Turn on the lift in the down position. As the boat lowers, keep an eye on the marked cable. If it looks like the cradle will bottom out before the boat floats, stop the lift and wait for higher tide.\* When the boat is floating, stop the lift and board if you are going to be out for more than a couple of hours, or if your slip is subject to severe waves or wakes, we advise you to raise the cradle clear of the water. If not, it is OK to leave it in until you return.

*Warning: Since we are not building elevators, which are certified to raise or lower people, we must advise you that no one should ride up or down in the boat, be in or under the boat when it is on the lift.*





## Troubleshooting: (check in the order they are listed)

**Problem:** One or both motors start improperly or just hum. **Fix:** Low Electrical supply (consult your electrician)

**Problem:** Neither Motor will run. When you switch the lift on, nothing happens. **Fix:** Check Circuit Breaker in your electrical panel, or the GFCI at switches (if equipped) if issues persists, call electrician.

**Problem:** One Motor will not run. **Fix:** Check the GFCI at each switch (if equipped) if problem persists, consult your electrician

**Problem:** Motors run, but one or both sides of lift will not raise. **Fix:** Belts need to be adjusted or replaced.

**Problem:** Loud noise coming from top beam, usually worse going down. **Fix:** Cable sheaves not properly greased. I know it sounds like the top beam bearings, but that is HIGHLY unlikely.

*Drive unit needs to be greased, lubricate lift as needed.*

- If problem persists, CALL THE FACTORY

**Problem:** Cable sheaves will not take grease **Fix:** Remove Boat from Lift. Using a large wrench, rotate sheave axle bolt 90 degrees.

If the above did not work, it may be necessary to remove the grease fitting and clean out the passage. In extreme cases the axle and sheave have been so cogged with salt they need to be removed and cleaned or replaced. This operation should be performed by a qualified person.

THIS SITUATION IS CAUSED SOLELY BY NEGLIGENCE AND IS NOT COVERED UNDER WARRANTY.



## What is covered by the warranty

Boat Lifts purchased or used for personal, family, or household purposes. Synergy Boat Lifts, Inc., warrants the structural integrity of the aluminum cradle beams and top beams of our 4, 6 & 8 post boat lifts for a period of 15 years. From the date of delivery by seller to the original purchaser of the property where the lift was installed as set forth in the order form.

The company further expressly warrants the lifts purchased for personal, family, or household purposes shall be free from any manufacturer's defects in material or workmanship for a period of 15 years, the electric motor & gear drive for 2 years (for the next 3 years, the warranty on motors and gear drives will be pro-rated). The Hefty Hoist Unit will be under warranty coverage for 5 years from the date of the delivery by the seller, as well. Under no circumstances will the warranty coverage extend to damage caused by electrolysis.

## What is not covered by this warranty:

The company makes no implied warranties with respect to lifts purchased for commercial purposes.

All repairs after the applicable warranty period are the Owner's responsibility.

Damage that is not the company's fault, such as, but not limited to, damage caused by accidents, misuse, overloading, negligence, alteration, modification, or abusive operation, is not covered by the limited warranty.

Damage which is caused by improper product selection, improper installation, failure to follow applicable installation and maintenance recommendations, or failure to follow applicable instruction or warnings is not covered by this limited warranty.

All routine maintenance and periodic service is the Owner's responsibility and is not covered by the limited warranty.

## Warranty Disclaimers:

With respect to product purchased or used for commercial purposes, the company makes no express warranties or implied warranty of merchantability or fitness for any particular purpose.

Any applicable implied warranty, including any applicable warranty of merchantability or fitness for a particular purpose, is limited in duration to 2 years from the date of delivery from the seller.

The company makes no express warranties regarding its products except as stated herein. No agent, employee or representation, or warranty concerning the company's products except as stated herein.

## Warranty Limitations

The Owner's remedies under this limited warranty are limited exclusively to repair or replacement of components, which fail due to manufacturer's defects in materials or workmanship during normal operations.

The company shall not be responsible for incidental or consequential damages, included, but not limited to, damages to property, loss of use, lost profits, or expenses for inconvenience.

Some states do not allow the exclusions or limitation of incidental or consequential damage, so the limitations or exclusions may not apply to you.

### The Company's Responsibilities

The Company agrees to provide all necessary parts and materials to correct any warranty defect providing written notice is received by the Company within the applicable warranty period.

## The Owner's Responsibilities

It is the responsibility of the Owner to ensure that each product is fit for its intended purpose and that the conditions it will be used in are suitable.

The product may require periodic maintenance, which is not covered by warranty. While the seller may be equipped to handle your service needs, periodic maintenance may be performed by anyone qualified to do so.

A reasonable time for repairs must be allowed.

## If you have questions or problems:

Should the Owner encounter a problem that might be recovered by this limited warranty, the Owner must contact the Company in writing within the applicable warranty period.

The company's email address for receipt of notice is [info@synergyboatlifts.com](mailto:info@synergyboatlifts.com)

The Owner should provide the following information in its written notice: the type of product purchases, the purchase date, event dates, dealer names, the problem or question, and any other comments.

This warranty gives you specific rights and you may also have other rights, which vary from state to state.

## Additional Warranty for Solar Powered Lift

All of the above data applies to Solar lifts, solar additions, batteries, AGM (dry cell batteries provided by Synergy) 12 months free replacement, Solar panels and regulator 2 yr., Gem Remote Controls 1 yr. excluded are lightening and electrician errors.





# Lien Release Information

We highly recommend you contact Synergy for a lien release. This certifies that YOU have paid for the lift, and we have in turn, been paid for the lift. This document will prevent any possible future liens on your property relating to the lift equipment. This can also be a valuable document when you sell your property. There is no charge for this. Please fill out online Registration and Email within 10 days of delivery. Synergy strives to stay as green as possible. Please direct inquiries to: [orders@boatliftsbysynergy.com](mailto:orders@boatliftsbysynergy.com) or call 239-744-9970

