

Basta Boatlifts™

Over-Center™ Hydraulic Aluminum Lift 5,500 lbs Capacity Model 5550

**READ complete manual CAREFULLY
BEFORE attempting assembly or operation**

- ASSEMBLY
- INSTALLATION
- REPLACEMENT PARTS



866-GO-BASTA
www.bastaboatlifts.com

INDEX

Warning	Page 2
Parts List and Diagrams	Pages 3 - 5
Assembly Instructions	Pages 6 - 15
First Use / Adjustments	Page 16
Troubleshooting / FAQ	Page 17
Warranty	Page 18
Basta Marine Boat Lift Accessories	Rear Cover



WARNING

NOTE: Your boat lift is a very heavy piece of equipment. Improper use could result in serious injury or death. For the safety of people and property please review the safety guidelines below for your new boat lift.

- | | |
|--|--|
| <ul style="list-style-type: none"> ■ Visually inspect all parts and assemblies for defects and damage prior to assembling the lift. ■ Do not install the lift alone. ■ Install the lift on firm and level ground. ■ Verify the lower frame of the lift is level before each use. ■ Turn the power off during periods of non- use. ■ This hoist is a heavy piece of equipment please use with care. ■ The lift should not be used for any other purpose besides the lifting of boats & watercraft. | <ul style="list-style-type: none"> ■ Do not exceed the maximum weight capacity specified for the lift. SEE PAGE 16. ■ Passengers should stand clear of the lift and not be aboard when the lift is in operation. ■ Do not play on or near the lift. ■ Leave your automatic bilge pump turned on the automatic setting to prevent the accumulation of rain water. ■ Service your lift regularly. ■ Do not service the unit with the boat on the lift. ■ Use a mooring line for additional security. ■ Only use Basta Marine approved oil in lift. Special biodegradable non-toxic hydraulic fluid part # BMHYDFL |
|--|--|

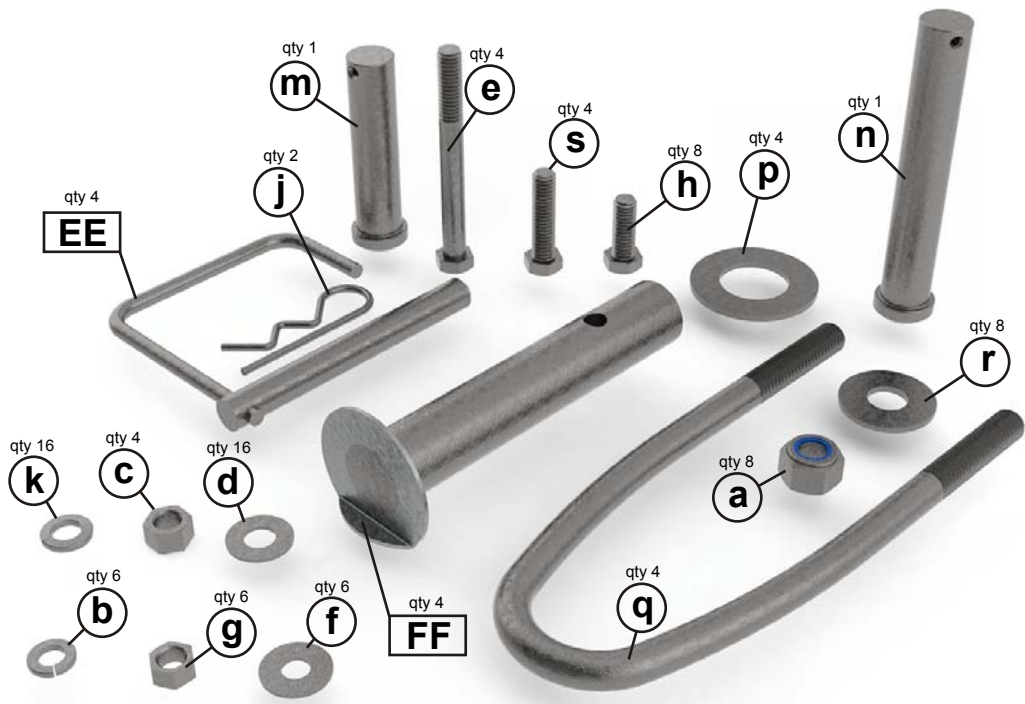
Manufactured under one or more of the following patents:

USA: #4895479, #4900187,
#5184914, #6318929,
#6837651, #7021861

CANADA: #2089044

Other patents pending





Fastener descriptions are on next page.

All hardware is made from corrosion resistant materials such as stainless steel, brass or nylon.

After the lift is assembled and installed, all fasteners should be checked for proper tightness and reinspected periodically.

In the following pages various symbols are used:

1 indicates an illustration for a procedure.

AA indicates a major part described in the parts list on pages 4 and 5.

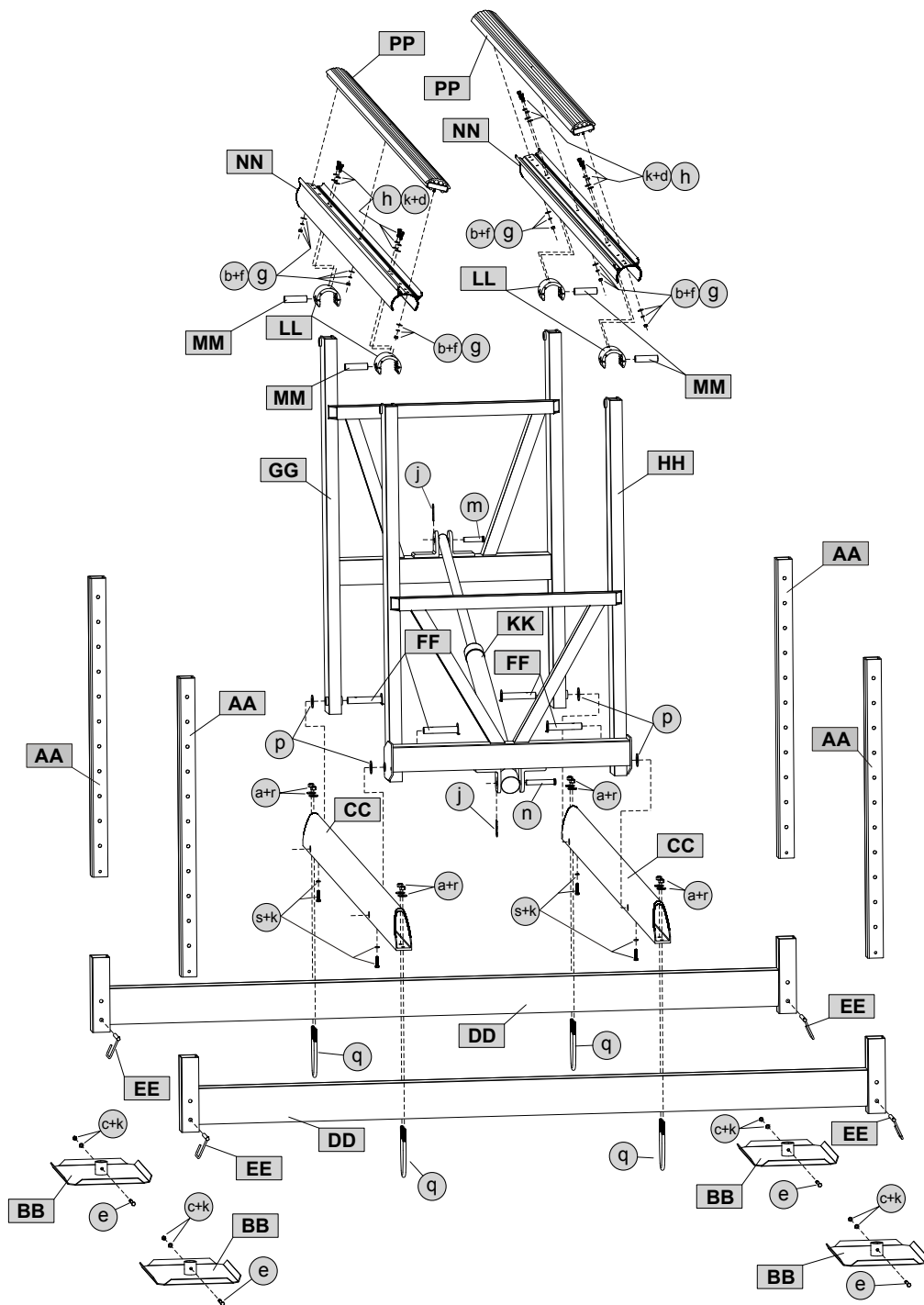
(a) or **(c+d)** indicate hardware items shown above and described in the parts list on pages 4 and 5.

MECHANISM PARTS LIST

SEE PAGES 12-13 FOR ELECTRICAL AND HYDRAULIC PARTS

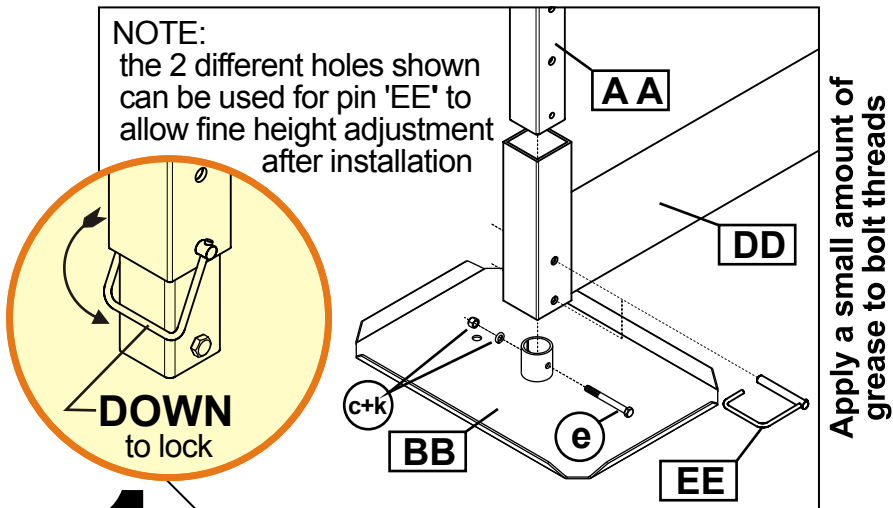
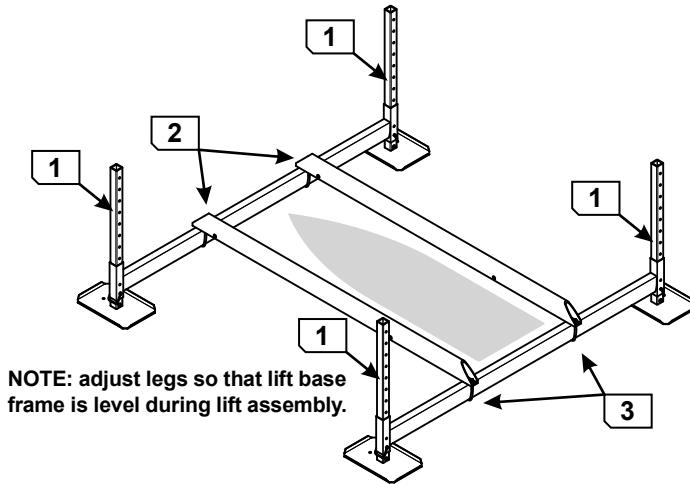
ITEM	PART #	QTY	DESCRIPTION	
AA	K200-0001	4	Leg	1
BB	W117-0002	4	Foot pad weldment	-
CC	K200-0002	2	Side rail	-
DD	W111-0002	2	Crossmember weldment	-
EE	S532-1812	4	Leg pin, self locking	-
FF	S503-0003	4	Base pivot pin	2
GG	W102-0004	1	H-frame weldment, forward	-
HH	W102-0005	1	H-frame weldment, aft	-
KK	SEE PG. 13	1	Hydraulic cylinder	-
LL	K204-0005	4	Bunk rail carrier	-
MM	S503-0002	4	Bunk pin	-
NN	K204-0006	2	Bunk rail	3
PP	W410-0014	2	Bunk board assembly, vinyl covered	-
PP	W410-0015	2	Bunk board assembly, carpet covered	-

ITEM	PART #	QTY	DESCRIPTION	
a	S362-0010	8	Nylon insert lock nut, 1/2-13	5
b	S322-0007	6	Lock washer, 5/16"	-
c	S342-0008	4	Nut, 3/8-16	-
d	S313-0008	16	Flat washer, 3/8"	-
e	S103-0514	4	Hex head bolt, 3/8-16 x 3.25"	-
f	S313-0007	6	Flat washer, 5/16"	-
g	S342-0007	6	Nut, 5/16-18	6
h	S103-0505	8	Hex head bolt, 3/8-16 x 1.0"	-
j	S522-0802	2	Hairpin for 3/4" clevis	-
k	S322-0008	16	Lock washer, 3/8"	-
m	S501-0812	1	Clevis pin, 3/4 x 3.5"	-
n	S503-0001	1	Clevis pin, 3/4 x 5.13"	-
p	S313-0015	4	Flat washer, 1"	-
q	S173-6601	4	U-bolt, 1/2-13 x 2 1/2 x 7.0"	-
r	S313-0010	8	Flat washer, 1/2"	-
s	S103-0507	4	Hex head bolt, 3/8-16 x 1.5"	-
*	Y356-0002	1	Grease packet	-
*	Q100-0004	1	Hardware kit (contains items a-s)	-



ASSEMBLY INSTRUCTIONS

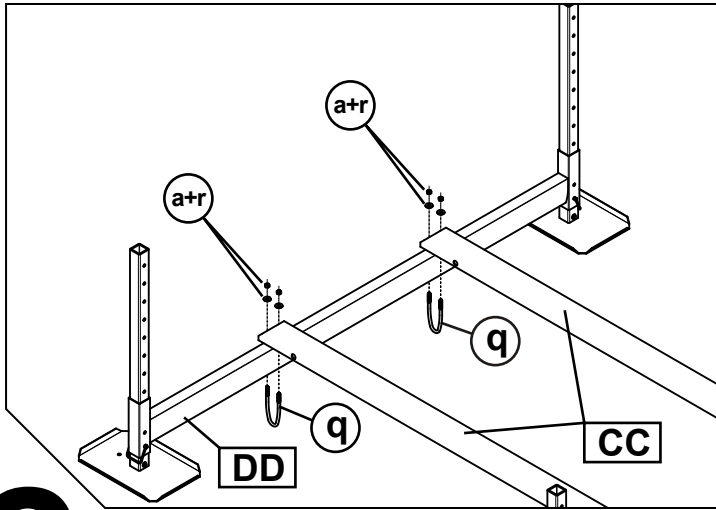
NOTE: assemble lift on level ground.



1

Feet and Legs [4 places]

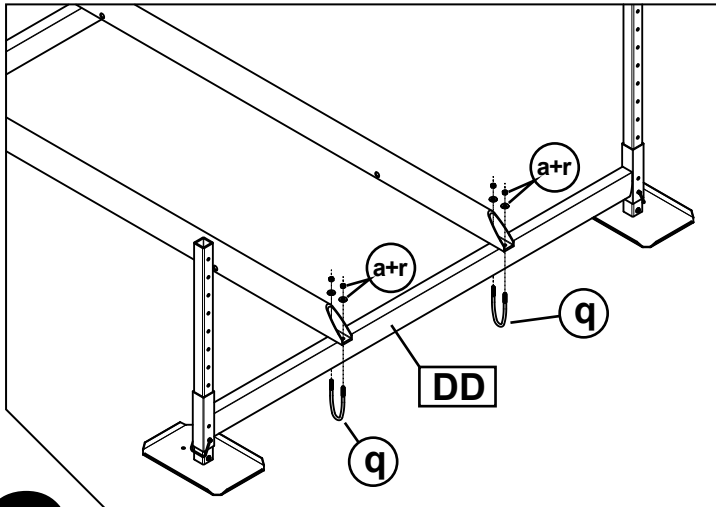
QTY 4: 3/8 x 3.5" bolts ("e")
 QTY 4: 3/8 - 16 nuts ("c")
 QTY 4: 3/8 lock washers ("k")
 QTY 4: leg pins ("EE")



Apply a small amount of grease to bolt threads

2 Forward Crossmember

QTY 2: 1/2 x 7.0" U-bolts ("q")
 QTY 4: 1/2 flat washers ("r")
 QTY 4: 1/2 nylon insert lock nuts ("a")

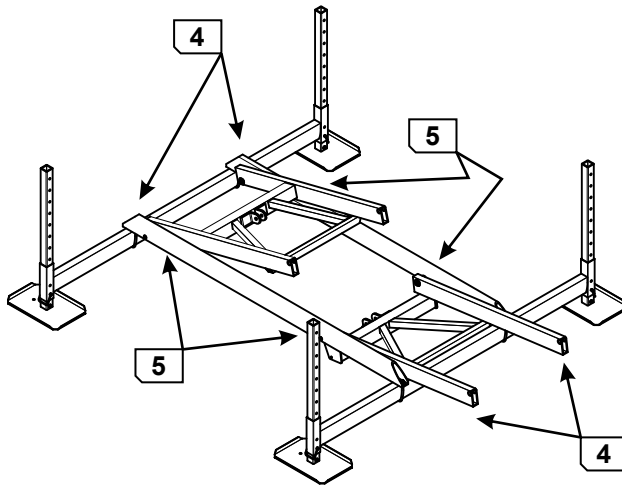


Apply a small amount of grease to bolt threads

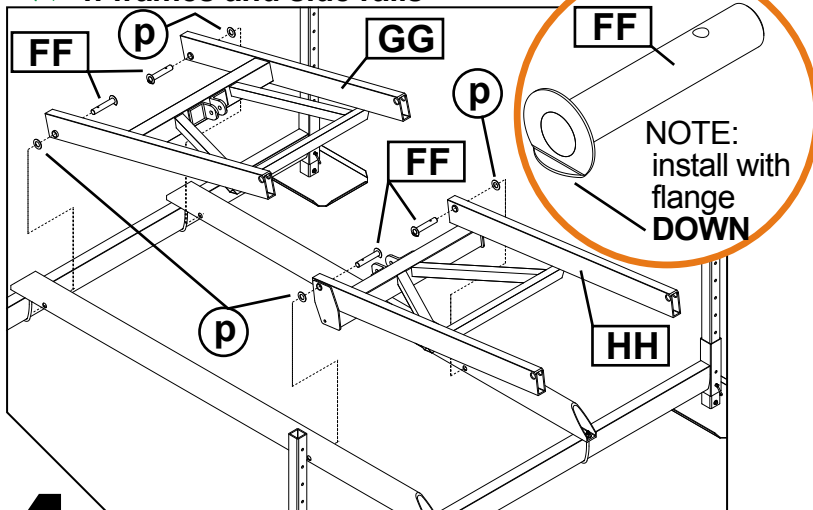
3 Aft Crossmember

QTY 2: 1/2 x 7.0" U-bolts ("q")
 QTY 4: 1/2 flat washers ("r")
 QTY 4: 1/2 nylon insert lock nuts ("a")

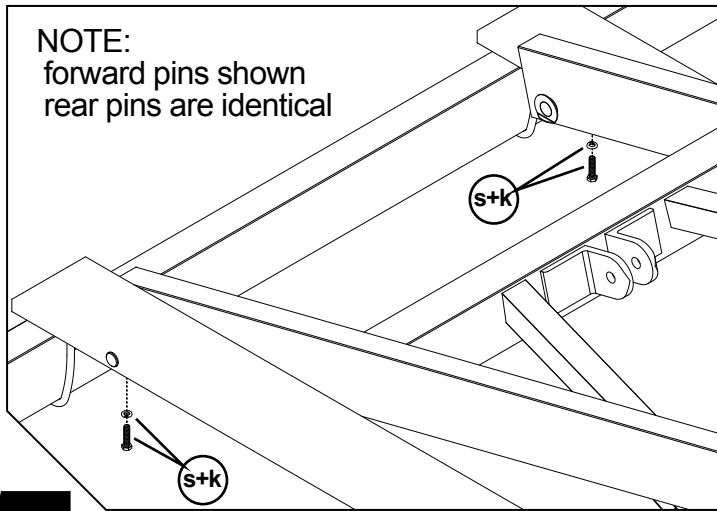
ASSEMBLY INSTRUCTIONS



*** Insert washers "p" between h-frames and side rails**



4 H-frames [2 places]
QTY 4: 1" flat washers ("p")
QTY 4: 1" pivot pins ("AA")

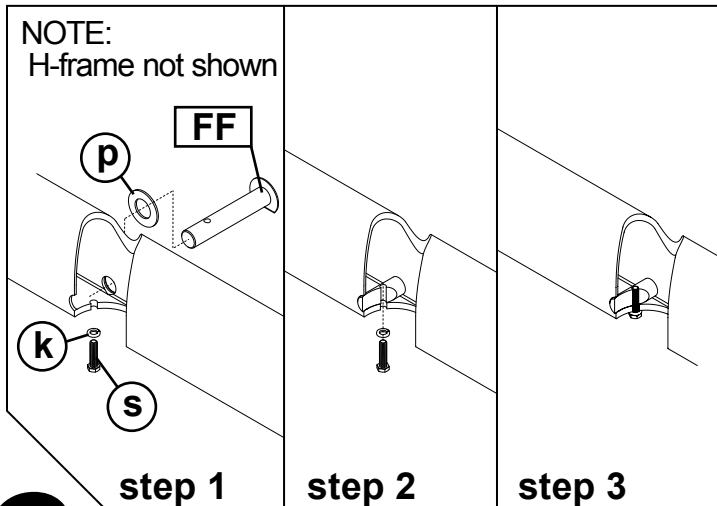


Apply a small amount of
grease to bolt threads

5

Secure Pivot Pins [4 places]

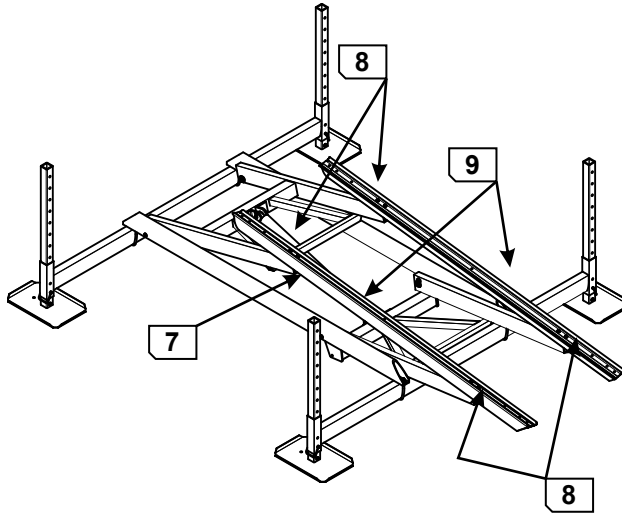
QTY 4: 3/8 x 1.5" bolts ("s")
QTY 4: 3/8 lock washer ("k")



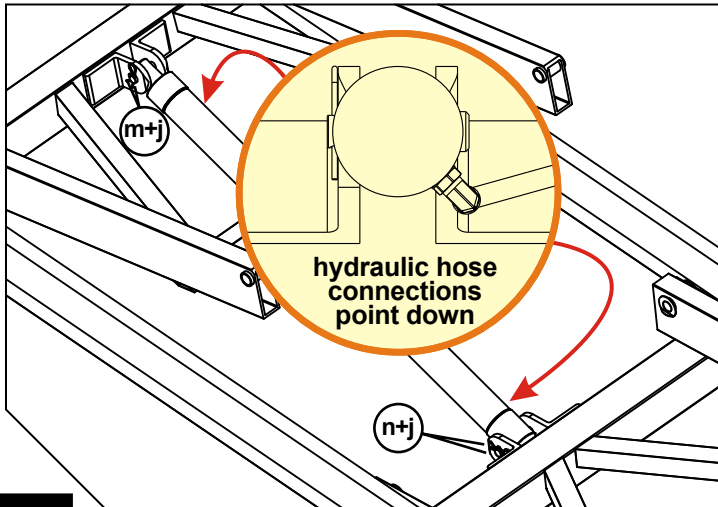
6

Pivot Pin Detail [4 places]

ASSEMBLY INSTRUCTIONS



*** Install cylinder with lift in 'down' position**



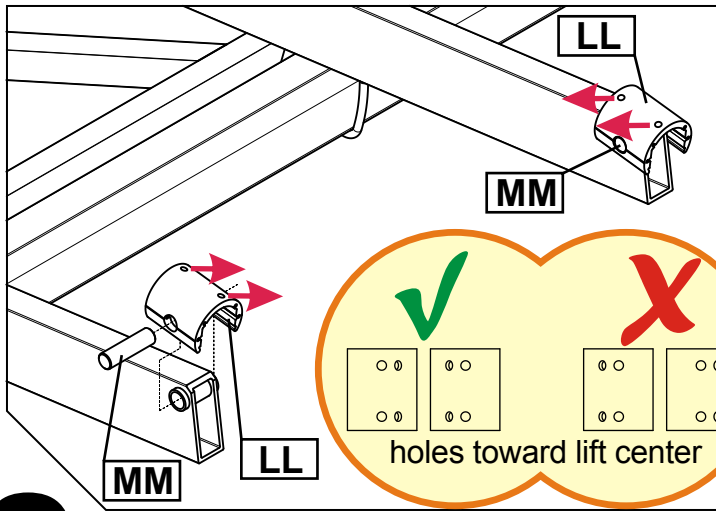
7 Cylinder

QTY 1: 3/4 x 3.5" clevis pin ("m")

QTY 1: 3/4 x 5.13" clevis pin ("n")

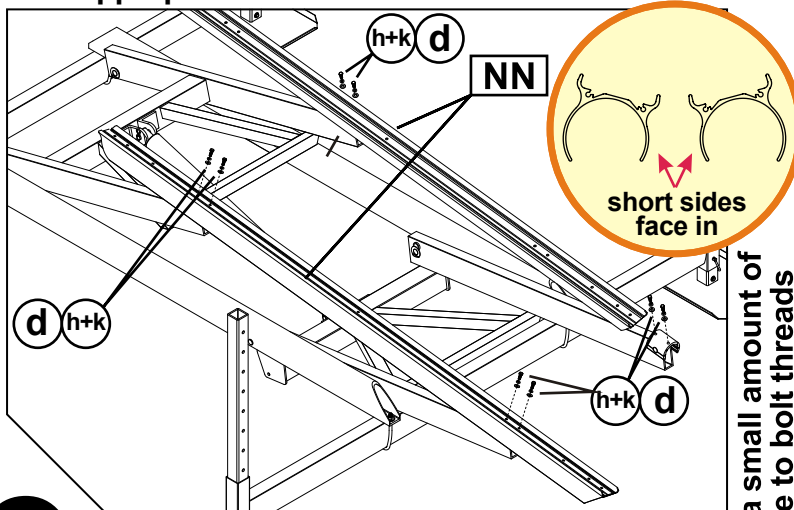
QTY 2: hairpins for 3/4" clevis pins ("j")

NOTE: install cylinder with hose fittings facing down!



8 Bunk Rail Carriers [4 places]

* Install bunk rails angled in (as shown) or flat using appropriate threaded holes in bunk carriers



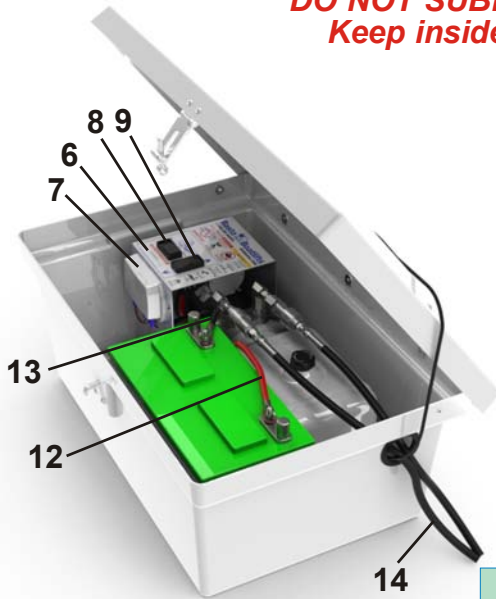
9 Bunk rails [2 places]

QTY 8: 3/8-16 x 1.0" bolts ("h")
 QTY 8: 3/8 lock washers ("k")
 QTY 8: 3/8 flat washers ("d")

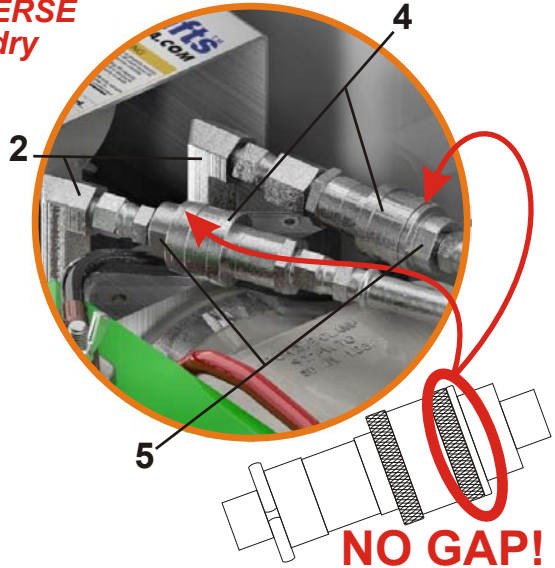
Apply a small amount of
grease to bolt threads

ASSEMBLY INSTRUCTIONS

DO NOT SUBMERSE
Keep inside dry

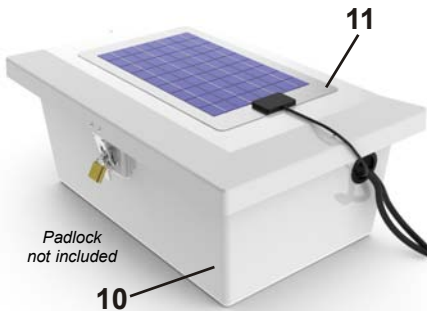


Prevent unauthorized use -
KEEP BOX LOCKED



Ensure each Quick Coupler is completely seated and *tight* with no gap at the connection joint.

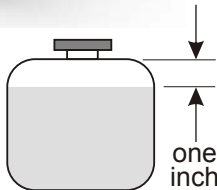
*Connection must be **tight** to open internal check valve and allow fluid to flow. USE PLIERS*



Padlock
not included

hydraulic fluid level with
lift in DOWN position

only add fluid with lift
in DOWN position



1. The Hydraulic Pump will arrive fully assembled. Make sure all the connections are snug to prevent leaks or loss of power to the unit.
2. Install a Group 27 Marine Grade Battery as shown above. Be sure to connect the Red Battery Cable (#12) to the positive terminal and the Black Battery Cable (#13) to the negative terminal.

NOTE: Ensure battery cables are correctly connected and their terminals are tight (use pliers).

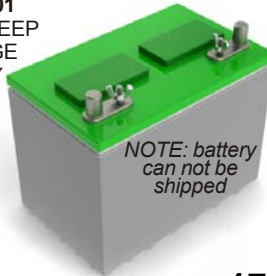
3. Slide the Hydraulic Cylinder Hoses (#14) through the access hole in the side of the White Fiberglass Box (#10) and attach them to their corresponding Quick Couplers (#4, #5).
4. Pass the cable from the Solar Panel through the same access hole as the hoses and plug it into the Remote Control Unit (#7C) as indicated in the diagram at right.
5. Test the lift on dry ground using the Up/Down Switch (#9) and the Key Fob Transmitters (#7A). Inspect the system for leaks.

10 Power unit



NOTE: always turn unit OFF when not in use

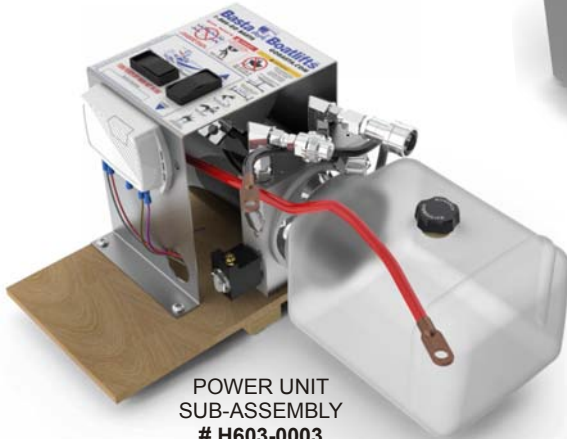
**# R285-1001
GROUP 27 DEEP
DISCHARGE
BATTERY**



**CONTROL PANEL
ASSEMBLY
R815-0002**



*pre-wired
with wiring
harness*

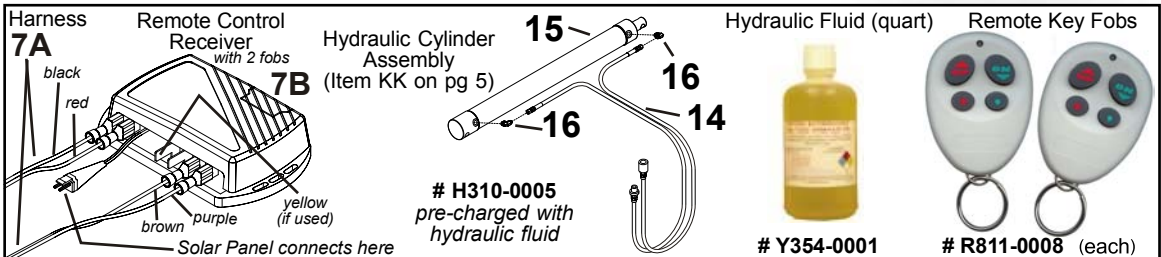


**POWER UNIT
SUB-ASSEMBLY
H603-0003**



**PUMP
ASSEMBLY
H602-0003**

Please order replacement parts by PART NO. and DESCRIPTION



COMPLETE HYDRAULIC POWER UNIT WITH ENCLOSURE & SOLAR # H653-0001

POWER UNIT SUB-ASSEMBLY # H603-0003

PUMP ASSEMBLY # H602-0003			CONTROL PANEL ASSEMBLY # R815-0002		
ITEM	PART NUMBER	DESCRIPTION	ITEM	PART NUMBER	DESCRIPTION
1	call	pump motor only	6	R815-0001	panel with graphics
2	H701-0003	90 deg hyd. fitting	7	R812-0009	remote control assy (7A + 7B)
3	n/a		7A	R712-0001	wiring harness
4	H770-0001	quick coupler assy, female	7B	R810-0008	remote control rcv (w/ 2 fobs)
5	H770-0002	quick coupler assy, male	8	R310-0001	rocker switch, on-off
17	R321-0001	high current solenoid	9	R310-0002	rocker switch, raise-lower
12	R711-1010	positive battery cable (red)			
13	R711-1005	negative battery cable (black)			

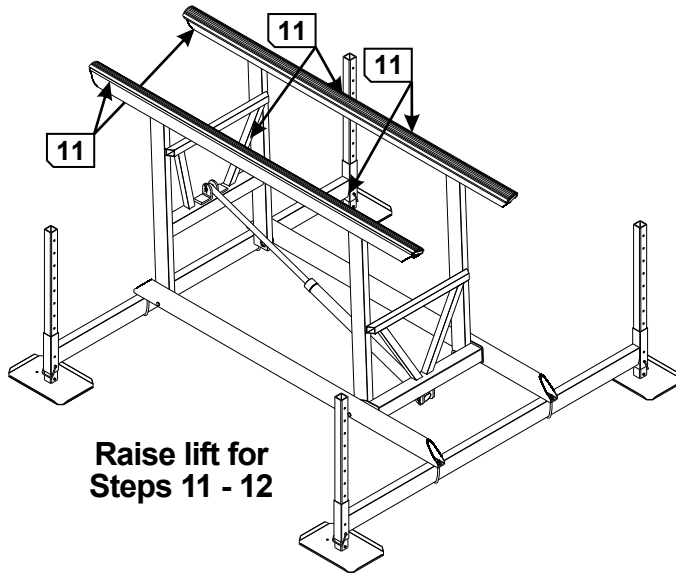
ENCLOSURE ASSEMBLY # C245-0002

ITEM	PART NUMBER	DESCRIPTION
10	C242-0001	white fiberglass enclosure
11	R281-0001	solar panel assembly

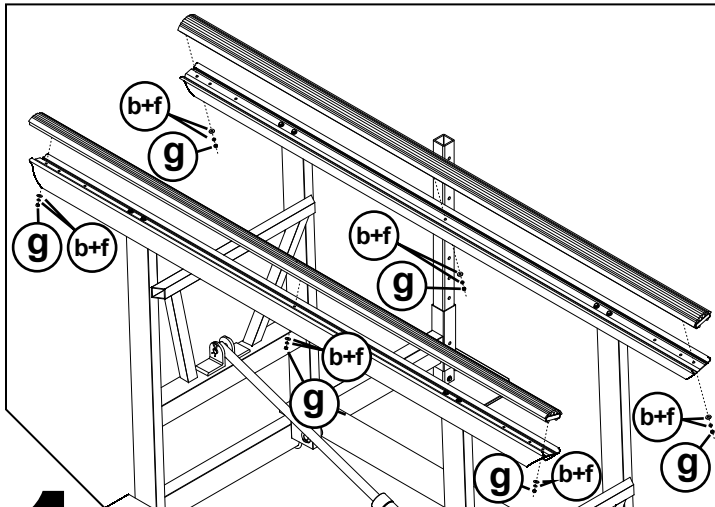
HYDRAULIC CYLINDER ASSEMBLY # H310-0005

ITEM	PART NUMBER	DESCRIPTION	ITEM	PART NUMBER	DESCRIPTION
15	H412-5203	hydraulic cylinder	14	H123-0001	hydraulic hose assembly
16	H711-0002	90 degree hydraulic fitting			

ASSEMBLY INSTRUCTIONS



**Raise lift for
Steps 11 - 12**



**Apply a small amount of
grease to bolt threads**

11

Forward bunk rail bolts

QTY 6: 3/8 nuts ("g")
QTY 6: 3/8 lock washers ("b")
QTY 6: 3/8 flat washers ("f")

ASSEMBLY INSTRUCTIONS

12 Adjust the base frame to be square and level. The pins (**EE**) in Step 1) that secure the legs may need to be moved to different holes in order to re-level the lift once it has been placed in the water.

13 Lower the lift completely, then raise it slightly. Disconnect the hydraulic hose quick couplers in the Power Unit box to separate it from the lift.

14 Move the lift into its operational location.

15 Adjust the legs to provide enough water over the lift so that the boat will not have to be "driven" hard up onto the bunks.
Raise the lift fully and finish adjusting the legs so that the base frame is level side-to-side and forward-to-aft.

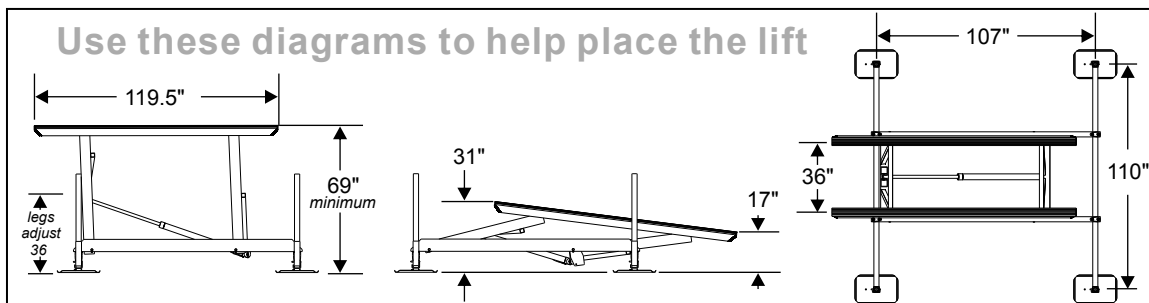
16 Go to 'First Use' instructions on Page 16.

FIRST USE AND ADJUSTMENTS

First test lift on dry ground for oil leaks, remote control function and correct operation.

IMPORTANT: After installation, the legs **MUST** be adjusted so that the lift frame is level.
Lift **must** move into Over-Center™ position when fully raised.

**Maximum lifting capacity is 5500 pounds.
DO NOT OVERLOAD!**



Follow this “first use section” during your first loading of a boat onto the boat lift. These are required adjustments to make the lift work correctly.

1. Place the boat or water craft over the lift to the following specifications:
 - a. The craft should be centered between the bunks side-to-side.
 - b. Move the craft forward to position its center of buoyancy near the bunks' centers. Centering Devices may be helpful when positioning your craft. See rear cover.
2. Disembark and raise the boat. If more than two inches of settling occurs, STOP, carefully lower the lift to remove the boat and re-level the lift. Continue repeating this step until the boatlift can be raised into the full Over - Center™ position without settling.
3. Remove the boat. Verify that the lift frame is level. Re-level the framework if necessary.

NOTE: If you purchase a new boat, be sure it is within the weight capacity limits of the lift. Also remember that these adjustments will have to be done again to accommodate the new boat.



Always turn unit OFF when not in use

MAINTENANCE

Your Basta Boatlift™ requires very little maintenance once installed.

Occasionally wipe the solar panel with a clean, damp cloth to preserve its charging performance.

Every 6 months, we recommend:

Inspect the hoses, cylinders and fittings for leaks and wear.

Check the wire terminals for snugness and corrosion.

Check the hydraulic fluid and battery electrolyte levels:

The battery electrolyte should be slightly above the indicator ring in each cell.
Carefully add DISTILLED water if necessary. Do not over-fill.

The hydraulic fluid level should be about one inch below the top of the reservoir with the lift DOWN.
DO NOT add fluid with the lift in the raised position!

Use only Basta approved fluid.

We recommend Chevron Clarity® AW ISO 32 or CITGO Aquamarine® 46 hydraulic oils.

TROUBLESHOOTING PROBLEMS AND FAQ

Q: THE BATTERY WILL NOT HOLD A CHARGE

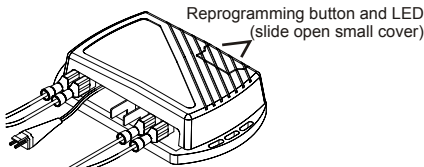
- A:** Verify that the loaded boat is not exceeding the weight capacity of the lift.
- A:** Ensure the solar panel is properly connected.
- A:** Re-align the solar panel for proper exposure to the sun.
- A:** Recharge the battery with a 10 amp charger and check the charge again.
- A:** Have the battery tested. It may be old and require replacement.
- A:** If the lift is being used frequently during the day, it may be necessary to use a 110-volt maintainer/charger.

Q: THE REMOTE CONTROL IS NOT FUNCTIONING PROPERLY

- A:** Verify that the red LED on each remote control key fob comes on when each button is pushed. If the LED is not bright, the remote's range is reduced - replace the fob's battery.
- A:** Verify that the large power unit battery is charged and connections are tight.
- A:** Make sure the antenna wire on the power unit's remote receiver is located properly.
- A:** Reprogram the remote key fobs.

Q: THE HAND HELD REMOTE KEY FOBS NEED TO BE REPROGRAMMED

1. Turn on the power switch located on the top of the control panel.
2. Locate the small red button under the cover of the white remote control receiver located inside the pump box. This is the reprogramming button.



3. Push the reprogramming button until the red LED next to the button turns on. Release the button.
4. Press the UP button on one key fob until the LED goes out. Release the button.
5. Press the fob's UP button again. The LED should flash slowly. Release the button.
6. Repeat steps 3-5 for your other fob.
7. Test all key fobs by individually pressing first the UP button, pausing, and then the DOWN button. Verify the lift direction visually.

Q: THE PUMP DOESN'T RUN

- A:** Check the battery charge, recharge if necessary.
- A:** Check the battery connections, clean and re-secure if necessary.

Q: THE PUMP RUNS, BUT THE LIFT DOESN'T MOVE

- A:** Check the 'quick couplers' in the Power Unit. If they are not screwed together tight enough, built-in check valves will not allow fluid to flow. See Page 12.
- A:** Check the fluid level. See Page 12.

Q: DOES THE LIFT HAVE TO GO ALL THE WAY UP?

- A:** YES - in order for your lift to function as intended the lift must ALWAYS be stored in the full upright position when the boat is unattended.

Q: IS MY BOAT SECURE?

- A:** Yes, once you verify that the lift is Over-Center™, switch off the power and lock the power unit box, there is less chance of theft.

Q: DO I NEED A MOORING LINE?

- A:** Under most circumstances one mooring line is sufficient to prevent the boat from drifting away if the lift inadvertently lowers or the water level rises.

Q: HOW MUCH SUN DOES THE SOLAR PANEL NEED?

- A:** The panel should receive constant sun for at least 8 hours a day.

Q: HOW DO I CHANGE THE HYDRAULIC FLUID?

- A:** Our current fluid should not require replacement for a considerable amount of time. If yours has been contaminated or the hydraulic power unit has been replaced, visit our web site at www.bastaboatlifts.com for detailed instructions.

Q: IS THE HYDRAULIC FLUID SAFE FOR THE FISH?

- A:** We use a special low-toxicity hydraulic fluid that is safe for the environment. This oil is different than food-grade oil. Only use Basta Marine approved fluid in your hydraulic system.

Q: WHAT IF I GET A NEW BOAT?

- A:** Re-leveling the boat lift may be necessary. A new lift will be required if the boat exceeds the weight capacity of your current lift.

FOR ASSISTANCE OR SERVICE:
Contact your local dealer or call
1 - 866 - GO - BASTA

www.bastaboatlifts.com
mail@bastamarine.com

BASTA MARINE MOORING PRODUCTS LIMITED WARRANTY

The limited warranty set forth below is given by Basta Marine, Inc. with respect to Basta Marine mooring products.

Basta Marine mooring products (BMMP) are warranted to be free from defects in materials and workmanship for a period of two (2) years from the original Basta Marine, Inc. (BMI) invoice date as specified below.

At time of warranty claim, buyer must provide proof of purchase (original invoice and receipt). Defective part(s) must be returned to BMI for inspection at customers' expense. BMI will not be responsible for any expenses incurred by the customer under the terms of this warranty, nor shall it be responsible for any damages whether consequential, special, contingent, or otherwise; or expenses or injury arising directly or indirectly from the use of BMMP. Any defective BMMP component properly returned to BMI that is determined to be under warranty by BMI will be exchanged with a new or reconditioned part by BMI. Customer is responsible for return shipping and handling charges. BMI reserves the right to determine whether the terms of the warranty have been properly complied with. In the event that the terms are not complied with, BMI shall be under no obligation to honor this warranty. Warranty replacement shall not extend the original warranty period of any component of the BMMP.

This limited warranty covers all defects encountered in normal use of BMMP, and does not apply in the following cases:

- (a) Loss or damage to the BMMP under the following conditions: miscellaneous parts consumed by normal wear and tear, using the product for purposes other than what it was designed for, improper site conditions, improper installation (including those performed by Basta Marine, its Distributors, Dealers or Sub-Contractors), improper loading of the vessel, exceeding the weight capacity with static or impacting loads, water/moisture damage to electronics and fittings, acts of God, alteration or addition to the lift structure, lack of/poor maintenance, caused by customer or others, improper adjustment, during shipping and delivery, electrolysis, exposure to saltwater, improper installation/maintenance of zinc anodes, caused by marine growth.
- (b) Use of parts or supplies (other than those supplied by BMI) which cause damage to BMMP.
- (c) If any BMMP has had its serial number or dating altered or removed.
- (d) Design improvements/changes. Basta Marine reserves the right to make design changes to its mooring products and has no obligation to inform customers of changes made to the product line. Basta Marine has no responsibility to provide design upgrades or pay for their installation to the Distributor, Dealer or Retail customer.

This warranty is your exclusive warranty and replaces all other warranties or conditions, express or implied, including, but not limited to, the implied warranties or conditions of merchantability and fitness for a particular purpose. Some States or Jurisdictions do not allow the exclusion of express or implied warranties, so the above exclusion may not apply to you. In that event, such warranties are limited in duration to the warranty period. No warranties apply after that period. Some States or Jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. No other express warranty or guaranty, except as mentioned above, given by any person or entity with respect to BMMP shall bind BMI. BMI must be notified in writing within one month of the expiration of the applicable period of the express limited warranty stated above for an item to be evaluated for warranty.

Non-Basta Marine manufactured parts and assemblies are sold "as is", without warranty of any kind by BMI, including any implied warranty regarding merchantability and fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Basta Marine manufactured items may be provided by the manufacturer or producer thereof.

Product Information

Serial #: _____

Date of purchase: _____

Purchased from: _____

Contact name: _____

Phone number: _____

Notes: _____



ACCESSORIES FOR MOST BASTA BOATLIFTS™

For additional information and images visit our web site at www.bastaboatliffts.com or contact Basta Marine at 1-866-GOBASTA for a catalog.



Centering Devices

These vertical reference guides gently center your boat over the lift and provide a constant reference point for front/back positioning.



Power Unit Support Bracket

Safely secure the power unit box to a boatlift canopy leg or the side of your dock.



Lower Unit Stop

For boats with outboards or outdrives, these assist in proper placement of your boat by gently stopping your forward motion.



Light kit

Install these lights above or below the water. They turn on with your remote control key fob.

ACCESSORIES FOR LARGER BASTA BOATLIFTS™



Side Deck Brackets

One of the many advantages of using a boat lift is the increased accessibility to your boat for maintenance. These brackets allow a side deck to be attached to the existing boat lift or canopy legs. *(lumber not included)*



Platform Kit

Designed specifically for pontoon boats and seaplanes. This kit, with your locally supplied lumber, easily converts your lift to a platform.

CANOPIES

Protect your boat from the harmful effects of the sun, wind and snow.

Solo™ 33 canopy



Basta Solo™ canopy features:

- Low profile silhouette
- Sturdy and wind resistant
- Attaches to a variety of lifts
- Wide choice of colors
- Durable Weblon® vinyl top
- Optional Sunbrella® tops
- 22, 24, 26, 33, 39 foot lengths
- 9 and 12 foot widths
- Also models for 2XV and 3XV lifts
- All aluminum design
- Custom extrusions - no welds