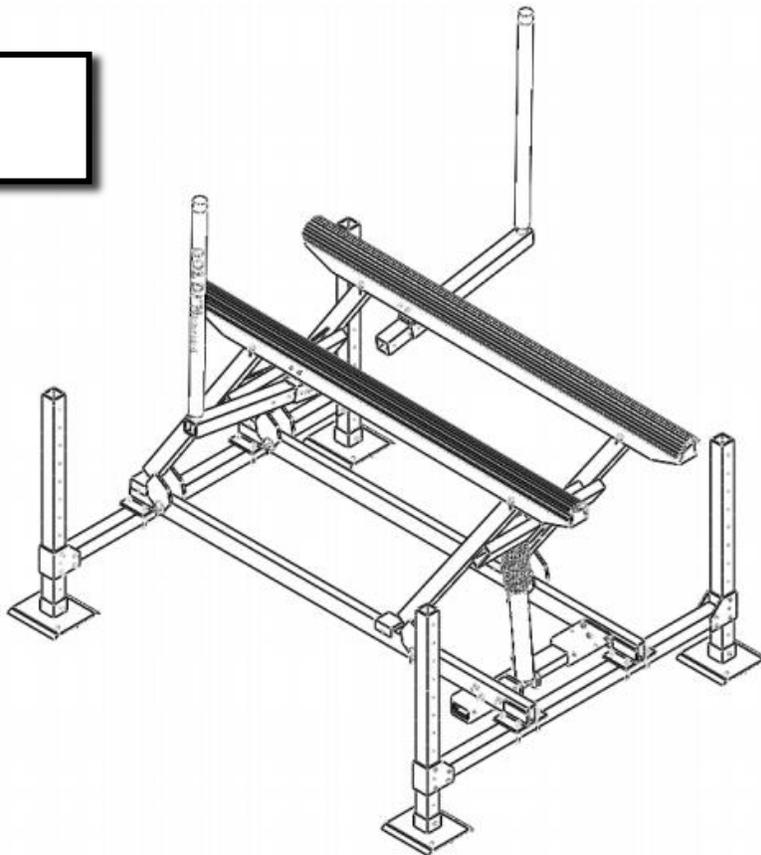




INSTALLATION MANUAL

MODEL:
1-CYLINDER



TORNADO LIFT



17611 East St, North Fort Myers, FL 33917
(239) 337-4141

GoldenMarineSystems.com

GoldenBoatLifts.com

REVISION A
PUBLISHED 7/15/2020



TABLE OF CONTENTS

TABLE OF CONTENTS.....	2
PRODUCT SPECIFICATIONS	2
SAFETY REQUIREMENTS.....	3
TORNADO LIFT OVERVIEW.....	4
PART/HARDWARE IDENTIFICATION TABLE.....	5
GENERAL ASSEMBLY	6
MOUNT CROSS BEAM.....	6
ATTACH FOOT PAD.....	7
MOUNT SIDE BEAM**.....	8
ATTACH LOWER CYLINDER MOUNT**.....	9
MOUNT STERN SIDE H-FRAME	10
MOUNT BOW SIDE H-FRAME	11
MOUNT HYDRAULIC CYLINDER.....	12
MOUNT ALUMINUM MULTI-BUNK.....	14
ATTACH GUIDE POLE MOUNTING BRACKET.....	15
ATTACH GUIDE POLES.....	16
LAUNCHING THE TORNADO LIFT.....	17
REFERENCE NOTES.....	18

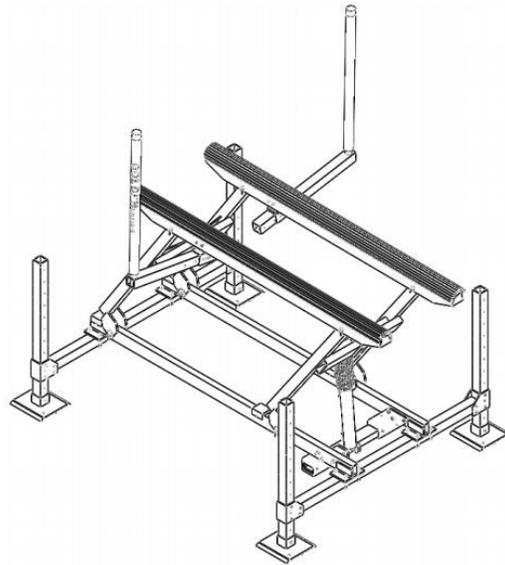
INTRODUCTION

Golden is proud to introduce the Tornado Lift to our line of lifts.

This lift is a free-standing adjustable hydraulic lift manufactured with T-6 marine grade aluminum and stainless-steel hardware. This lift is ideal for freshwater and saltwater applications where shore power might be an issue or code regulations prevent piling or fixed structure lifts.

We weld all components that are not adjustable, which prevents premature loosening of parts and there is no contact of dissimilar metals in a saltwater environment, we enclose our hydraulic shafts in our exclusive Air Bellow. The 'Air Bellows' prevent any harmful particles and marine growth from damaging the hydraulic cylinders, seals and shafts.

We use only eco-friendly biodegradable fluid. It is 100 % water soluble and meets the strict guidelines of the US Fish & Wildlife Service as non-toxic.



SPECIFICATIONS

- LIFT CAPACITY: 2,000 lbs. (907 kgs)
- NUMBER OF CYLINDERS: 1
- WEIGHT ≈ 507 lbs. (230 kgs)
- HEIGHT ADJUSTMENT RANGE ≈ 55 in - 117 in (1.4 m - 3 m)
- FRAME SIZE ≈ 96 in x 72 in [L x W] (2.44 m x 1.83 m)
- BUNK LENGTH ≈ 96 in (2.44 m)
- POWER SUPPLY: 12 V DC H.D. Pump & Solar Package enclosed within fiberglass lock box (Operated using provided transmitters)

FEATURES

- Hardened Stainless Axles with Nylatron Sleeves.
- Highest Lift Travel at 6° of Rise
- Long Range Wireless Remote with 2 Transmitters
- Marine Grade Aluminum & Stainless-Steel Construction.
- Aluminum Bunks with Rubber Capped Adjustable Inserts.
- Hydraulic Cylinders with Stainless Steel Shafts.
- Hydraulic Cylinder Shafts are Protected with the Exclusive Air Bellows
- Larger Structural Components Prevent Flex and Wear; our Lifts are much Heavier than all Others.
- The Golden Exclusive Multi-Bunk Can Accommodate V-hulls, Step-Hulls, Pontoon and Deck Boats, As Well As PWCs.
- Optional and Removable Accessories Such as Adjustable Guide Poles with Cushions, Bumpers or Optional Walkways, Bow Stops and Wheel Kits (see accessories).



SAFETY

SAVE THESE SAFETY INSTRUCTIONS FOR FUTURE REFERENCE

SAFETY INFORMATION (READ THOROUGHLY)

The TORNADO BOAT LIFT was designed, tested and certified to be installed in the recommended area approved by certified and approved personnel under the specific installation and operation guidelines laid out in the installation and operation manuals issued by GOLDEN BOAT LIFTS.

Note: Any installation or operation methods outside the guidelines described within the manual(s) mentioned above will void the product warranty.

Note: Only a trained and certified service provider should install the Tornado boat Lift.

Note: Before beginning installation of the Tornado Boat Lift, please ensure that the area selected for installation meets all local and state guidelines and regulations.

Note: To avoid damage to the Tornado Boat Lift and/or personal injury/death, carefully follow each step outlined in the manual(s).

Note: Before beginning installation of the Tornado boat Lift, clear adequate space around the installation site so that all parts, hardware, and tools can be laid out in a safe and organized fashion.

! CAUTION !

HEAVY OBJECTS

Failure to follow this warning can result in personal injury or death and/or damage to the Tornado Boat Lift.

The Tornado Boat Lift has many heavy parts. To avoid bodily harm and/or damage to the Tornado Boat Lift, ensure that proper handling and lifting techniques are used.

Note: Machinery may be required to move individual parts and/or finished product.

When completing the steps outlined in this Installation Manual, please ensure that only proper handling and lifting techniques are used to transport parts to desired locations. In some circumstances, machinery may be required to move individual parts.

The Tornado Boat Lift comes with a 12V DC Double-Acting Hydraulic Power Unit (SPX Stone Hydraulic Power unit) which provides the power for operation of the Tornado Boat Lift.

Note: After installation of the Tornado Boat Lift, please reference the HYDRAULIC POWER PACK INSTALLATION MANUAL provided to continue installation of the power supply for the Tornado Boat Lift. Failure to reference and follow these instructions before attempting to operate the Tornado Boat Lift may cause damage to the lift and/or personal injury/death.

! WARNING !

MOVING PARTS HAZARD

Failure to follow this warning can result in personal injury or death and/or damage to the Tornado Boat Lift.

The Tornado Boat Lift has many moving parts while in operation. To avoid bodily harm and/or damage to the Tornado Boat Lift, ensure the lift is operated from a safe distance, and never on the lift or boat.

Note: Never operate a lift while on the lift or inside the boat.

After completing the steps outline in the TORNADO INSTALLATION MANUAL and the HYDRAULIC POWER PACK INSTALLATION MANUAL, the Tornado Boat Lift should be ready to operate.

Note: Before operation, it is important to verify that every step outlined in the TORNADO INSTALLATION MANUAL and the HYDRAULIC POWER PACK INSTALLATION MANUAL has been correctly completed.

To operate the Tornado Boat Lift, please reference the TORNADO BOAT LIFT OPERATING MANUAL

Note: Never Exceed the maximum capacity of the lift.

Note: Never go under the lift or boat, especially when the lift is in the raised position. Never operate a lift while on the lift or inside the boat.

Note: It is recommended that the Tornado Lift be raised to the upward position after removing the boat, indicating a hidden underwater obstruction for others.

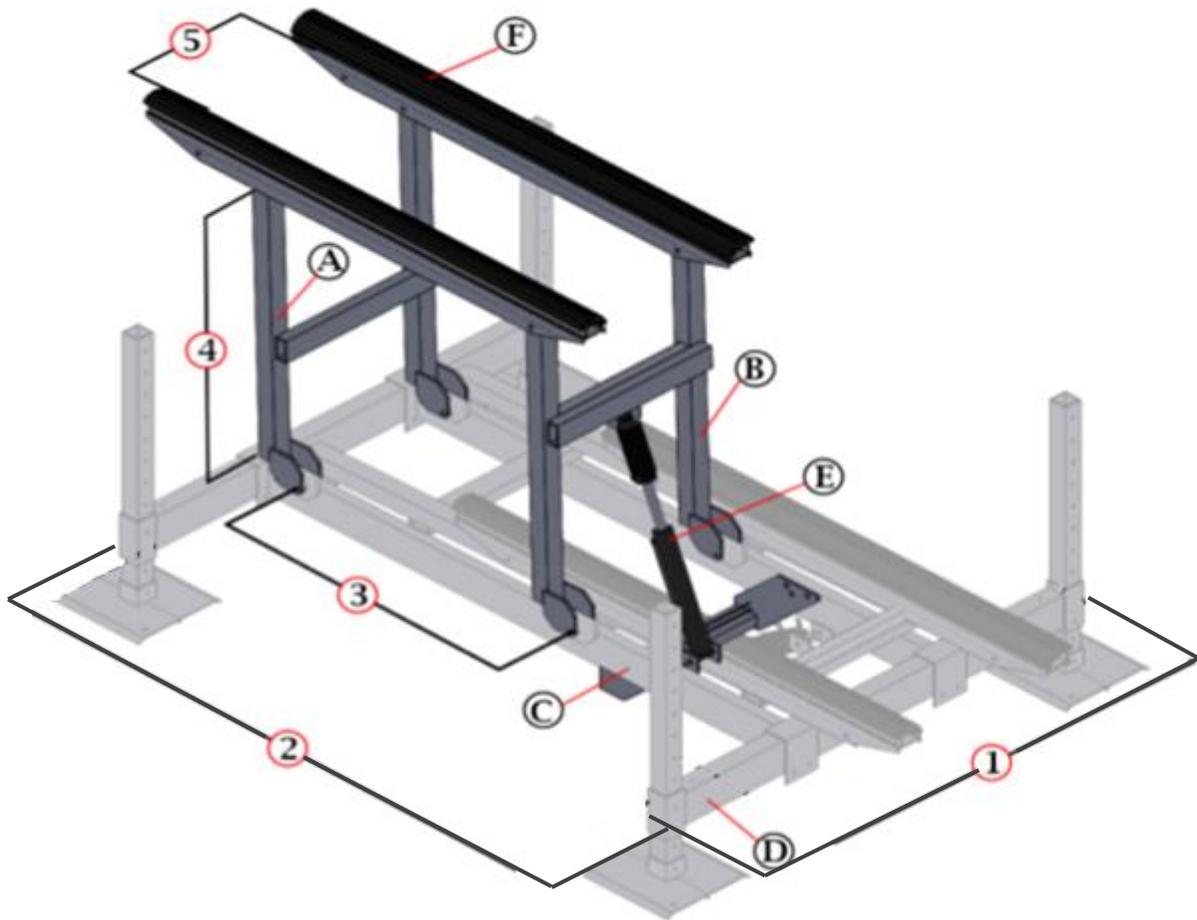
SAVE THESE INSTRUCTIONS



GOLDEN ENGINEERED 1-CYLINDER HYDRAULIC TORNADO LIFTS

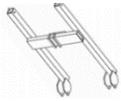
THE BOAT CENTER OF GRAVITY
NEEDS TO BE SET IN THE CENTER
OF THE BUNKS

CAPACITY	DIM: 1	DIM: 2	DIM: 3	DIM: 4	DIM: 5
LBS.	FEET	FEET	INCHES	INCHES	INCHES
2,000#	6'	8'	65"	52"	29"

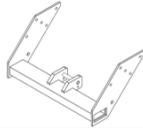


	A	B	C	D	E	F	
LIFT CAPACITY	FRONT H-FRAME	REAR H-FRAME	SIDE BEAMS	CROSS BEAMS	CYLINDERS	BUNKS	STROKE
LBS.	INCHES	INCHES	INCHES	INCHES	DIA.	FEET.	INCHES
2,000#	3 X 3 X .250 WALL REC. TUBE 52" LOA	3 X 3 X .250 WALL REC. TUBE 52" LOA WITH RAM MOUNTS	2 X 4 X .250 X 96" LOA	3 X 3 X .250 X 72" LOA	2.5"	2-8' LOA	16"

PART IDENTIFICATION



Stern Side H-Frame



Lower Cylinder Mount



Cross Beam



Bow Side H-Frame



Hydraulic Cylinder



Aluminum Multi-Bunk



Side Beam

HARDWARE IDENTIFICATION



(8)

Hinge Bearing



1/8" (16)

Cotter Pin



1/2" (6)
3/8" (45)**

Lock Washer



1" (8)

Hinge Pin



1/2" (6)
3/8" (45)**

Hex Nut



(2)

Cylinder Pin



1/2" X 3-1/2" (6)
3/8" X 5" (4)**
3/8" X 4-1/2" (22)**
3/8" X 1-1/2" (4)

Hex Bolt



3/16" (16)

Lollipop Washer



1/2" (12)
3/8" (68)**
3/4" (8)**

Flat Washer



(8)

Square U-Bolt

REQUIRED TOOLS



Wrench 9/16"



Wrench 1"



Pliers



Mallet

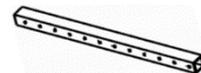


Pry Bar

OPTIONAL PART(S)



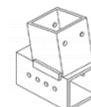
Foot Pad



Square Tube Leg



Guide Pole Arm



Guide Pole Mount

** Note: Hardware amounts may vary depending on optional accessories.



GENERAL ASSEMBLY INSTRUCTIONS

1. Please read all instructions thoroughly before starting installation of the Tornado Boat Lift.
2. Please ensure the installation crew is properly trained, licensed, insured and qualified to install the Tornado Boat Lift. If this is a first-time installation, a representative will assist in the installation and initial lifting of the Tornado Boat Lift.
3. Please ensure that there is an appropriate area cleared in order to lay out all components, parts and tools associated with the installation of the Tornado Boat Lift.

MOUNT CROSSBEAMS

Note: The Square Tube Leg(s) referenced in this step is an optional part purchased with the Tornado Boat Lift. If the Square Tube Leg part was not ordered and included, you may skip to the next step.

Note: Cross Beams will ship with leg pockets pre-assembled

Note: Ensure Crossbeam and Leg Pocket is oriented in the upward position as shown in Figure 1.

1. Slide Crossbeam Leg Pocket over Square Tube Leg as shown in Figure 1 and adjust to desired height.
2. Attach one (1) 3/8" Flat Washer onto two (2) 3/8" x 4-1/2" Hex Bolts and insert them into Leg Pocket, securing the Crossbeam to the Square Tube Leg shown in Figure 1.
3. Attach one (1) 3/8" Flat Washer, one (1) 3/8" Lock Washer, and one (1) 3/8" Hex Nut over the two (2) protruding ends of the Hex Bolts and securely fasten with appropriate wrench until secure as shown in Figure 2.
4. Repeat these steps three (3) more times, once for the opposite side of the Cross Beam, and twice for the second Cross Beam.

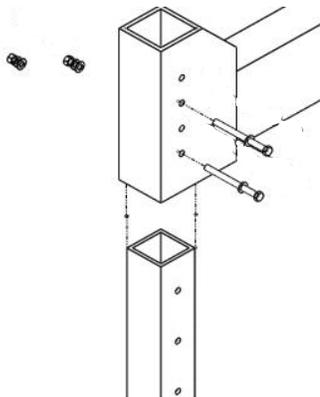


Figure 1

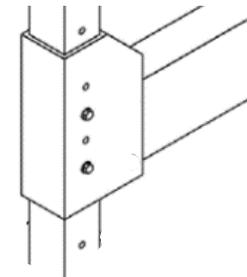
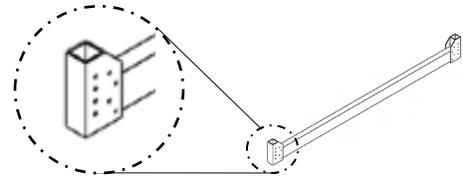


Figure 2

PARTS REQUIRED TO MOUNT CROSSBEAM



Leg Pocket

Crossbeam (2)



3/8" Flat Washer (16)



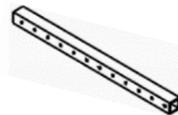
3/8" Lock Washer (8)



3/8" x 4-1/2" Hex Bolt
(8)



3/8" Hex Nut (8)



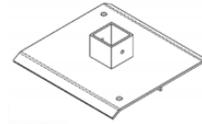
Square Tube Leg (4)

ATTACH FOOT PADS

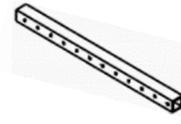
Note: The Foot Pad(s) referenced in this step is an optional part purchased with the Tornado Boat Lift. If the Foot Pad part was not ordered and included, you may skip to the next step.

- 1) Attach one (1) Foot Pad to the end of one (1) Square Tube Leg and align as shown in Figure 3.
- 2) Attach one (1) 3/8" Flat Washer to one (1) 3/8" Hex Bolt and insert through hole(s) in the Foot Pad and Square Tube Leg as shown in Figure 3.
- 3) Attach one (1) 3/8" Lock Washer and one (1) 3/8" Hex Nut to the protruding end of the Hex Bolt and securely fasten with appropriate wrench until secure.
- 4) Repeat these steps for the remaining three (3) Foot Pads.

PARTS REQUIRED TO ATTATCH FOOT PAD



Foot Pad (4)



Square Tube Leg (4)



3/8" Flat Washer (4)



3/8" Lock Washer (4)



3/8" x 4-1/2" Hex Bolt
(4)



3/8" Hex Nut (4)

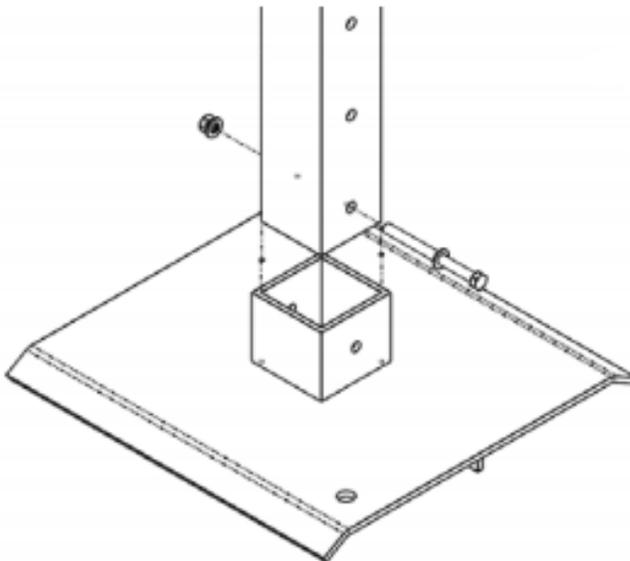


Figure 3

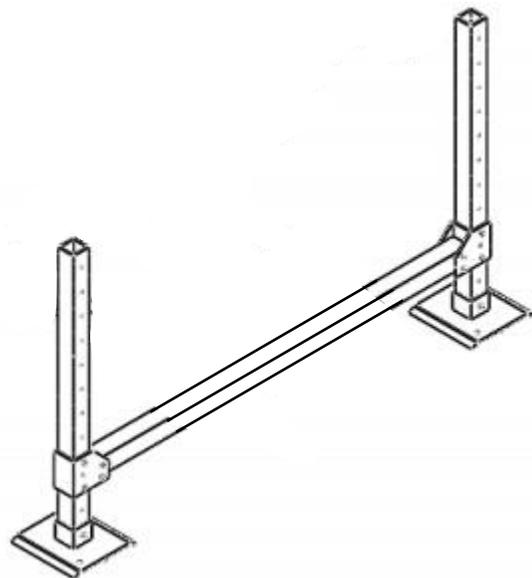


Figure 4



MOUNT SIDE BEAMS**

Note: Ensure Side Beam Saddle is positioned so that open end of saddle is facing downward during installation shown in Figure 5.

1. Place the Side Beam Saddle down over the Cross Beam as shown in Figure 5.
2. Insert two (2) Square U-Bolts underneath Cross Beam and upward through the Side Beam Saddle holes as shown in Figure 5.
3. Attach one (1) 3/8" Flat Washer, one (1) 3/8" Lock Washer, and one (1) 3/8" Hex Nut to the four (4) protruding ends of the U-Bolts and hand tighten.

Note: It is important not to over tighten Hex Nuts to allow for Side Beam adjustability.

4. Repeat these steps three (3) more times, once for the opposite side of the Side Beam, and twice for the second Side Beam.

Note: Please return to this step when instructed to fully tighten hardware with appropriate tools.

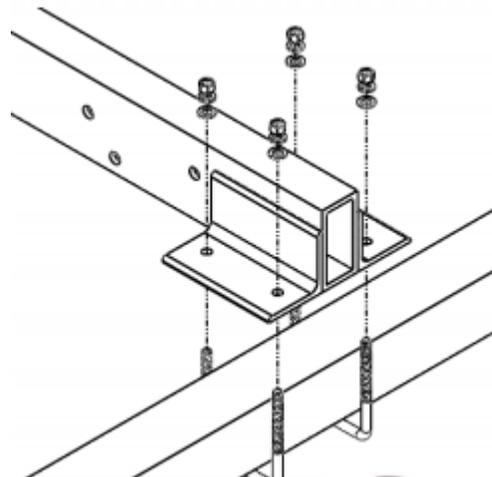
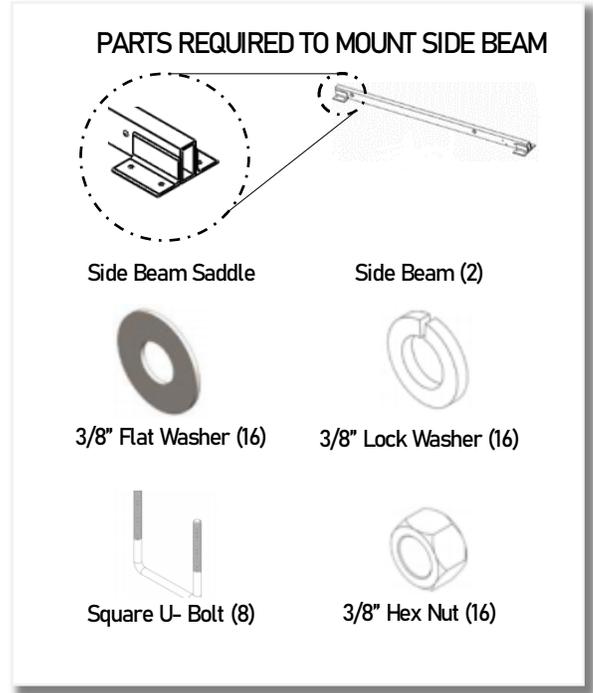


Figure 5

ATTACH LOWER CYLINDER MOUNT**

Note: Ensure lower Cylinder Mount is between both Side beams when mounting.

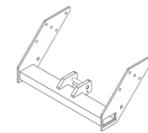
1. Align the holes on the Lower Cylinder Mount with the corresponding holes on the Side Beam as shown in figure 6.
2. Attach one (1) 1/2" Flat Washer to three (3) 1/2" x 3-1/2" Hex Bolts and insert into the corresponding holes as shown in Figure 6.
3. Attach one (1) 1/2" Flat Washer, one (1) 1/2" Lock Washer, and one (1) 1/2" Hex Nut to each of the three (3) protruding ends of the Hex Bolts and hand tighten.

Note: It is important not to over tighten Hex Nuts to allow for Lower Cylinder Mount adjustability.

4. Repeat these steps for the other side of the Lower Cylinder Mount.

Note: Please return to this step when instructed to fully tighten hardware with appropriate tools.

PARTS REQUIRED TO MOUNT LOWER CYLINDER MOUNT



Lower Cylinder Mount



1/2" Flat Washer (12)



1/2" Lock Washer (6)



1/2" x 3-1/2" Hex Bolt (6)



1/2" Hex Nut (6)

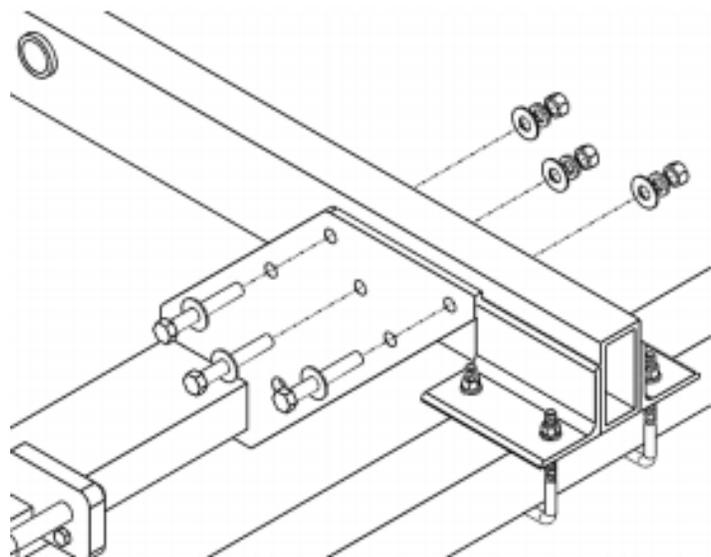


Figure 6

MOUNT STERN SIDE H-FRAME

Note: For this step, ensure the Stern Side H-Frame is being used.

Note: Hinge Bushings are preinstalled on Side Beam.

1. Align the mounting holes on the Stern Side H-Frame hinge plate with the Hinge Bushings located on the Side Beam as shown in Figure 8.

Note: Stern Side H-Frame should be oriented so that the Cylinder Mounting Cross Support overhangs the stern side Cross Beam as shown in Figure 7.

2. Insert one (1) 1/8" Cotter Pin into one (1) 3/4" x 5" Hinge Pin, bending the tines of the Cotter Pin outward and apart, securing the Cotter Pin within the Hinge Pin.
3. Attach a Lollipop Washer to the open end of the Hinge Pin.
4. Slide the Hinge Pin through the hinge plate as shown in Figure 8.
5. Insert one (1) Lollipop Washer and one (1) 1/8" Cotter Pin into the protruding end of the Hinge Pin, bending the tines of the Cotter Pin outward and apart, securing the Cotter Pin within the Hinge Pin.
6. Repeat this step for the opposite side of the Stern Side H-Frame.

PARTS REQUIRED TO MOUNT STERN SIDE H-FRAME

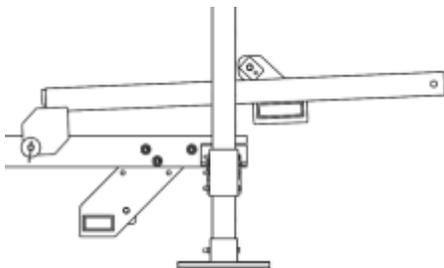
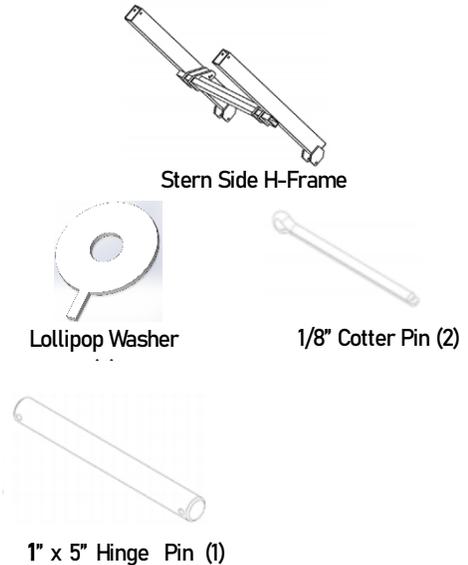


Figure 7

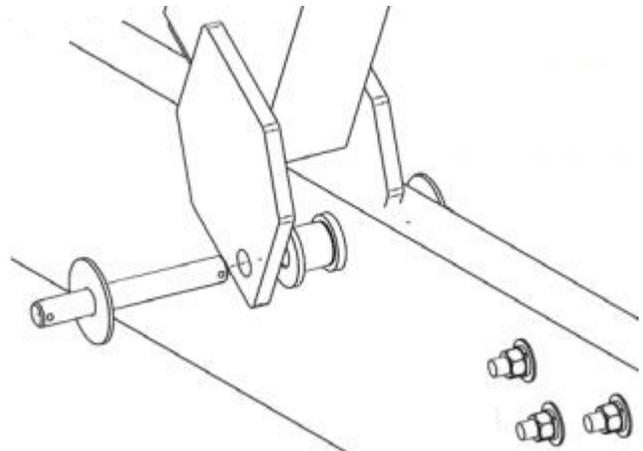


Figure 8

MOUNT BOW SIDE H-FRAME

Note: For this step, ensure the Bow Side H-Frame is being used.

Note: Hinge Bushings are preinstalled on Side Beam.

1. Align the mounting holes on the Bow Side H-Frame hinge plate with the Hinge Bushings located on the Side Beam as shown in Figure 10.
2. Insert one (1) 1/8" Cotter Pin into one (1) 3/4" x 5" Hinge Pin, bending the tines of the Cotter Pin outward and apart, securing the Cotter Pin within the Hinge Pin.
3. Attach a Lollipop Washer to the open end of the Hinge Pin.
4. Slide the Hinge Pin through the hinge plate as shown in Figure 10.
5. Insert one (1) Lollipop Washer and one (1) 1/8" Cotter Pin into the protruding end of the Hinge Pin, bending the tines of the Cotter Pin outward and apart, securing the Cotter Pin within the Hinge Pin.
6. Repeat this step for the opposite side of the Bow Side H-Frame.

PARTS REQUIRED TO MOUNT BOW SIDE H-FRAME

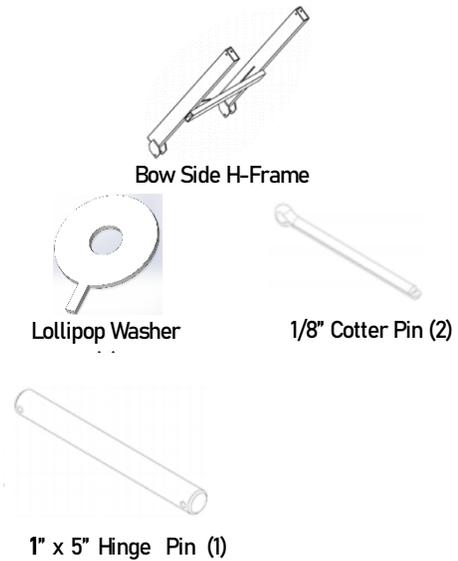


Figure 9

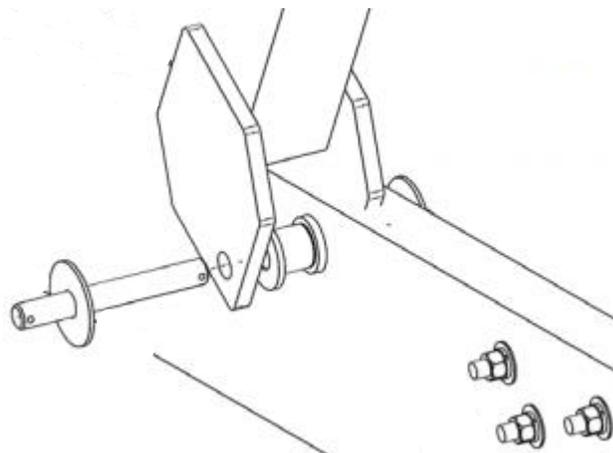


Figure 10

MOUNT HYDRAULIC CYLINDER

Note: Ensure Hydraulic Cylinder is oriented so that the lower mounting hole is facing downward.

1. Align the lower Hydraulic Cylinder mounting hole with the corresponding holes on the Lower Cylinder Mount as shown in Figure 11.
2. Insert one (1) 3/4" Cylinder Pin into the cylinder hinge plate through the Hydraulic Cylinder lower mounting hole as shown in Figure 11.
3. From the inside of the hinge plate, insert one (1) 3/8" Hex Bolt through the hinge plate and the lower hole on the Cylinder Pin.
4. Attach one (1) 3/8" Lock Washer and one (1) 3/8" Hex Nut to the protruding end of the Hex Bolt and fasten with appropriate wrench until secure as shown in Figure 11.

PARTS REQUIRED TO MOUNT HYDRAULIC CYLINDER



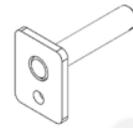
Hydraulic Cylinder (1)



3/8" x 4-1/2" Hex Bolt (1)



3/8" Lock Washer (1)



1" Cylinder Pin (1)



3/8" Hex Nut (1)

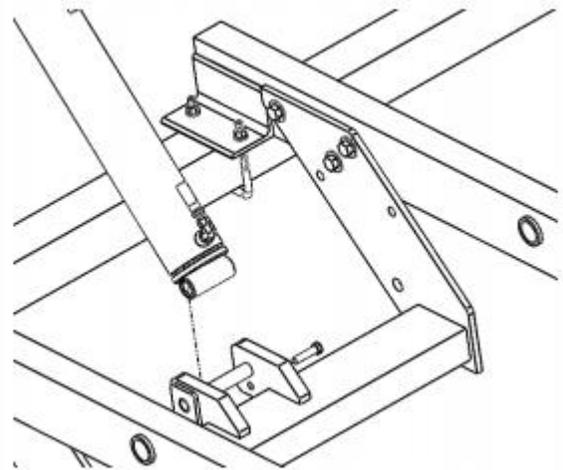


Figure 11

MOUNT HYDRAULIC CYLINDER cont.

Note: Ensure Hydraulic Cylinder(s) are tightly fastened as described in previous step before continuing.

1. Align the upper Hydraulic Cylinder mounting hole with the corresponding holes on the H-Frame as shown in Figure 12 & 13.

Note: The H-Frame may need to be lifted and rotated upward to allow proper alignment.

2. Insert one (1) 3/4" Cylinder Pin into the cylinder mounting plate through the Hydraulic Cylinder upper mounting hole as shown in Figure 13.
3. From the inside of the mounting plate, insert one (1) 3/8" Hex Bolt through the mounting plate and the hole on the Cylinder Pin shown in Figure 13.
4. Attach one (1) 3/8" Lock Washer and one (1) 3/8" Hex Nut to the protruding end of the Hex Bolt and fasten with appropriate wrench until secure as shown in Figure 13.

PARTS REQUIRED TO MOUNT HYDRAULIC CYLINDER



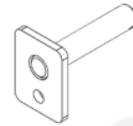
Hydraulic Cylinder (1)



3/8" x 4-1/2" Hex Bolt (1)



3/8" Lock Washer (1)



1" Cylinder Pin (1)



3/8" Hex Nut (1)

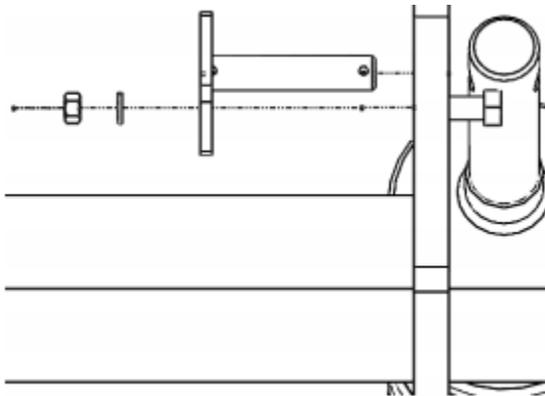


Figure 12

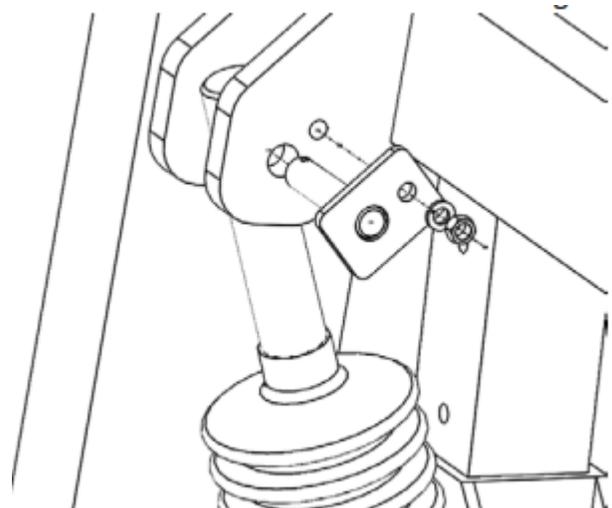


Figure 13

Note: Before proceeding to the following steps, please revisit steps with asterisks (Pgs. 8 & 9) and use a wrench to tighten all hardware that was originally hand tightened. Failure to tighten all hardware as described can cause damage to the Tornado Boat Lift and/or serious injury/death.

MOUNT ALUMINUM MULTI-BUNK

1. Align the 1" hole in the Aluminum Multi-Bunk with the corresponding mounting hole in the top of the Stern Side H-Frame.
2. Insert one (1) 1/8" Cotter Pin into one end of a 3/4" Hinge Pin. Using Pliers, bend the tines apart and away from each other, securing it to the hinge pin as shown in Figure 14.
3. Attach a 3/4" Flat Washer over the Hinge Pin and insert it into the bunk support as shown in Figure 15.

Note: Do not fully insert Hinge Pin through H-Frame until completing next step.

4. Insert a Lollipop Washer between the Bunk and the H-Frame on both sides as shown in Figure 15 before fully inserting the Hinge Pin through the H-Frame and out of the opposite side of the Bunk.
5. Attach a 3/4" Flat Washer and 1/8" Cotter Pin to the protruding end of the Hinge Pin. Using Pliers, bend the tines apart and away from each other, securing it to the hinge pin as shown in Figure 14.
6. Repeat this step three (3) more times, once for the opposite end of the Bunk, and twice for the second Bunk.

PARTS REQUIRED TO MOUNT ALUMINUM MULTI-BUNK



Aluminum Multi-Bunk (2)



Lollipop Washer (12)



1" Hinge pin (2)



1" Flat Washer (8)



1/8" Cotter Pin (8)

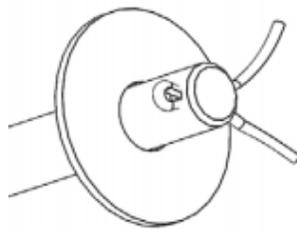


Figure 14

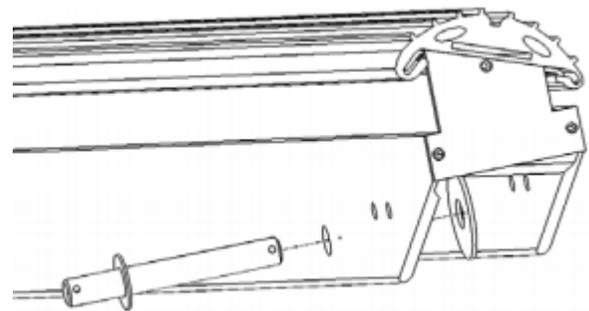


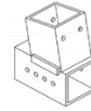
Figure 15

ATTACH GUIDE POLE MOUNTING BRACKET(S)

Note: The Guide Pole Mounting Bracket referenced in this step are optional parts purchased with the Tornado Boat Lift. If the Guide Pole Mounting Bracket part was not ordered and included, you may skip this and the following step.

1. Insert the Guide Pole Mounting Bracket into the bottom of the Bunk support as depicted in Figure 16.
2. Align holes in Bunk support and Guide Pole Mounting Bracket, making sure the lower guide adjustment tube is angled upward toward the outside of the lift, and downward toward the inside of the lift as shown in Figure 17.
3. Attach one (1) 3/8" Flat Washer over two (2) Hex Bolts and insert into the corresponding holes in the Bunk support as depicted in Figure 16.
4. Attach one (1) Lock Washer and one (1) Hex Nut to each of the protruding Hex bolts and fasten with appropriate wrench until secure.
5. Repeat these steps for the opposite end of the Bunk.

PARTS REQUIRED TO INSTALL GUIDE POLE MOUNTING BRACKET



Guide Pole Mounting Bracket (2)



3/8" Lock Washer (4)



3/8" Hex Nut (4)



3/8" x 5" Hex Bolt (4)



3/4" Flat Washer (8)

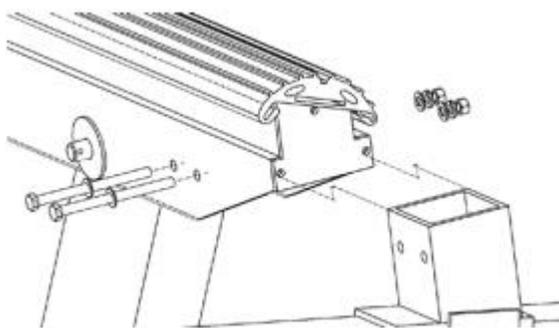


Figure 16

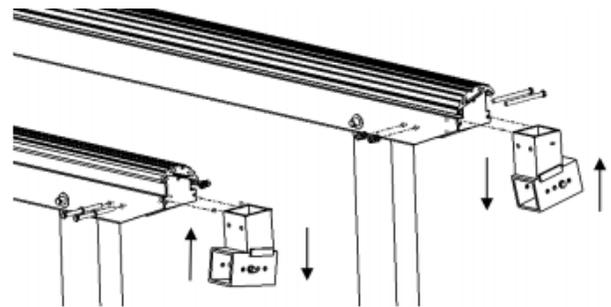


Figure 17



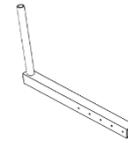
ATTACH GUIDE POLE(S)

Note: The Guide Poles referenced in this step are optional parts purchased with the Tornado Boat Lift. If the Guide Pole part was not ordered and included, you are finished with the Tornado Boat Lift installation.

1. Insert the Guide Pole into the Guide pole Mounting Bracket so that the Guide Pole arm is facing outward and upward as shown in Figure 18.
2. Adjust the Guide Pole to the desired outer dimensions and align the mounting holes accordingly.
3. Attach one (1) Flat Washer to one (1) Hex Bolt and insert into the mounting hole.
4. Attach one (1) Flat Washer, one (1) Lock Washer, and one (1) Hex Nut to the protruding end of the Hex Bolt and fasten with appropriate wrench until secure.
5. Repeat these steps for the opposite end of the Bunk.

Note: It is important to review all the steps in this manual before operating the Tornado Boat Lift to ensure all parts and hardware have been installed correctly. Failure to do this may result in damage to the Tornado Boat lift and/or serious injury/death.

PARTS REQUIRED TO INSTALL GUIDE POLE



Guide Pole (2)



3/8" Lock Washer (2)



3/8" Hex Nut (2)



3/8" x 4-1/2" Hex Bolt (2)



3/8" Flat Washer (4)

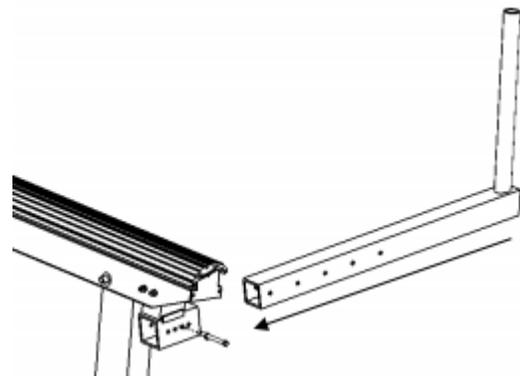


Figure 18



Note: Before launching the Tornado Lift, please reference the HYDRAULIC POWER PACK INSTALLATION MANUAL provided to continue installation of the power supply for the Tornado Boat Lift. Failure to reference and follow these instructions before attempting to launch and operate the Tornado Boat Lift may cause damage to the lift and/or personal injury/death.

LAUNCHING THE TORNADO LIFT

Note: It is important to determine the appropriate depth to store the lift to efficiently use the maximum lifting height.

Note: It is important to consider how much the water levels fluctuate in the region the lift is stored.

1. After completing all steps in the HYDRAULIC POWER PACK INSTALLATION MANUAL and testing the hydraulics, disconnect the hydraulic hoses from the pump end and connect the hydraulic hoses together to ensure they remain clean while launching the lift.
2. To launch the lift, it is recommended to use flotation devices to maneuver the lift safely and carefully into the desired location, only utilizing properly trained personnel.

Note: It may be necessary to have a certified diver tighten and secure all hardware after lift is positioned into place.

3. After securing the lift in the appropriate location, the hydraulic hoses should carefully be reattached to the pump.

LEVELING THE TORNADO LIFT

Note: Never operate a lift while on the lift or inside the boat.

1. Now that the lift is in its final position, measure the distance from each corner of the lift to the surface of the water. The four measurements should all be within 1-1/2" of each other, otherwise leg adjustments may need to be made.
2. Carefully maneuver the boat by hand to the recommended position on the lift.

Note: Please be aware that the lift may settle during the first several times lifting the boat, thus, take extra precautions ensuring that there are no obstructions and no people near or around the lift or boat.

3. Slowly lift the boat upward, pausing every 6" to ensure the lift is staying level. Continue this process until the boat is fully lifted out of the water.

Note: At any time, the lift may begin settling and becoming unlevel. If this occurs, it is recommended to lower and remove the boat from the lift so that the appropriate adjustments can be made to make the lift level again, repeating these steps as necessary.

Note: It is important to check the level of the lift regularly for the first few months to ensure that the lift is not settling and becoming unlevel. Failure to do this may result in damage to the lift or bodily harm.



REFERENCE NOTES

Tornado Boat Lift (1-Cylinder)

Capacity: 2,000 lbs. (907 kgs)

INSTALLATION PROVIDER: _____ INSTALLATION DATE: _____

INSTALLATION ADDRESS: _____

INSTALLATION CHECKLIST:

STEP	DATE/TIME	INITIAL	NOTES
SAFETY REQUIREMENTS			
PART/HARDWARE IDENTIFICATION TABLE			
MOUNT CROSS BEAM			
ATTACH FOOT PAD			
MOUNT SIDE BEAM			
ATTACH LOWER CYLINDER MOUNT			
MOUNT STERN SIDE H-FRAME			
MOUNT BOW SIDE H-FRAME			
MOUNT HYDRAULIC CYLINDER			
MOUNT ALUMINUM MULTI-BUNK			
ATTACH GUIDE POLE MOUNTING BRACKET			
ATTACH GUIDE POLE			
COMPLETE WALKTHROUGH OF THE "HYDRAULIC POWER PACK OPERATING MANUAL"			

I, _____ hereby verify that all guidelines and procedures were read and followed to the best of my ability.

SIGNATURE : _____

DATE OF COMPLETION: _____