



# DOCK RITE VERTICAL LIFT

Assembly, Operating  
& Maintenance Manual

**DOCK RITE**  
18250 – 203<sup>rd</sup> ST.  
HUTCHINSON, MN 55350  
320-587-0644  
1-888-400-3292  
[www.dockriteus.com](http://www.dockriteus.com)  
Email: [dockrite@hutchtel.net](mailto:dockrite@hutchtel.net)

01/01/07

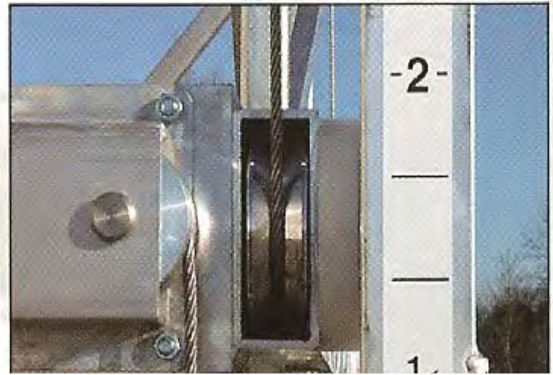
# Table of Contents

<b>TOC</b> .....	<b>2</b>
<b>Features</b> .....	<b>3</b>
<b>Options</b> .....	<b>4</b>
<b>Specifications</b> .....	<b>5</b>
<b>Safety</b> .....	<b>6-8</b>
<b>Warranty</b> .....	<b>9</b>
<b>Shipping</b> .....	<b>10-14</b>
<b>Part Identification</b> .....	<b>15-17</b>
<b>Assembly</b> .....	<b>18-27</b>
<b>Installation &amp; Operating</b> .....	<b>28-33</b>
<b>Maintenance</b> .....	<b>34</b>

# Features of Your Vertical Lift



**Chain drive winch**, Dock Rite uses different sizes, 3000, 4000, and 5000 lbs capacity.



The "V" shaped aluminum pulleys with brass oilite bushing on a stainless steel, greaseable pins with stainless cables are designed for years of trouble free use.



**Lift corners** are made from UHMW plastic for smooth operation



**Vertical lift** is available in 3000, 4000, and 5000 pound capacity with widths of 114" and 120". Because of the increased lift height, vertical lifts are ideal for use in the following conditions. Changing water depths, high waves, and heavier boats.



**Screw Adjustable leveling leg kit.** Optional on all vertical lifts makes for easy leveling and height adjustment of lift. Also eliminates lifting manually when installing stationary wheel kit.



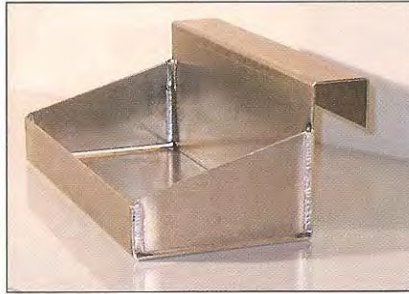
**Reinforced sand pads** provide a firm stable platform and ease installation and removal. Used on all lifts over 800 pounds.



# Optional Equipment for Your Vertical Lift



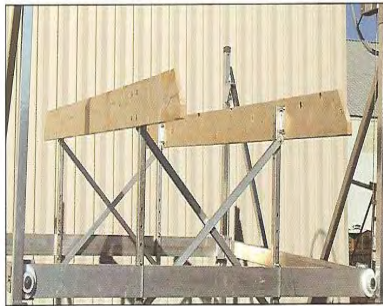
**Screw Adjustable leveling leg kit.** Optional on all vertical lifts makes for easy leveling and height adjustment of lift. Also eliminates lifting manually when installing stationary wheel kit.



**Battery tray** designed to hang from canopy frame keeps batteries out of the way.

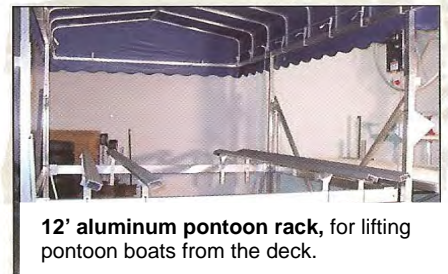


**12' aluminum pontoon rack,** for lifting pontoon boats from the deck.

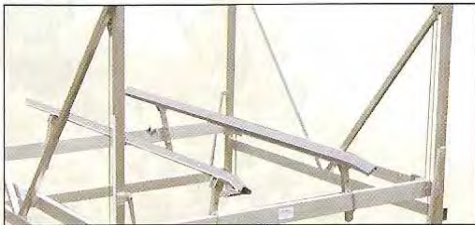


**12' wood pontoon rack,** 14" vertical for lifting pontoon from the deck also acts as a guide-on

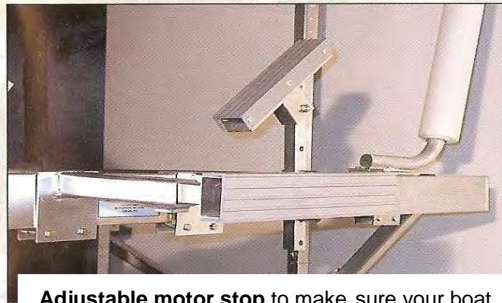
## Optional For Your Vertical Lift



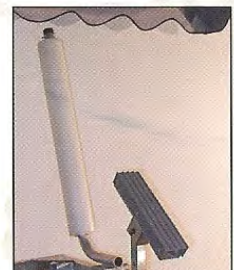
**Double pontoon bunks** for lifting from the pontoons



**Vinyl covered aluminum full length bunks** sold in pairs are ideal for fiberglass boats.



**Adjustable motor stop** to make sure your boat is on the lift properly.



**Spring loaded guide sticks,** sold in pairs with polyethene logs last longer than foam and make landing your boat easier especially in rough water.



**Spring loaded (12' cantilever 14' vertical) full lengths guide-ons** of carpeted wood is less likely to damage decals, a must for inboard



**Stationary Wheel Kit** for installation and removal of vertical lifts



**Shore commander electric motor** drive unit with remote control and light available in 12, 14, and 24. And 120 volt models,

# Specifications for the Vertical Lift

Model	Lifting Capacity	Inside Width	Out-side Width	Top-frame Length	Lbs.	Lift Travel	Lowest Settings	Leg Adjust-ment	Canopy	Winch Model	Cable Diameter	Bunk Type
30114	3000#	114"	119"	114.50"	440	69	12"	27"	114"x23 OR 26"	3000 Chain	1/4" Stainless	FB, WPR, APR, DPB
30120	3000#	120"	125"	114.50"	450	69	12"	27"	120"x23 OR 26"	3000 Chain	1/4" Stainless	FB, WPR, APR, DPB
40114	4000#	114"	119"	114.50"	470	69	12"	27"	114"x23 OR 26"	4000 Chain	1/4" Stainless	FB, WPR, APR, DPB
40120	4000#	120"	125"	114.50"	480	69	12"	27"	120"x23 OR 26"	4000 Chain	1/4" Stainless	FB, WPR, APR, DPB
50120	5000#	120"	125"	114.50"	500	69	12"	27"	120"x23 OR 26"	5000 Chain	5/16" & 1/4" Stainless	FB, WPR, APR, DPB

**Abbreviation index:**

**FB= Full Bunk**

**WPR= Wood Pontoon Rack**

**APR= Aluminum Pontoon Rack**

**DPB= Double Pontoon Bunk**

# SAFETY

## STOP FOR SAFETY!



Safe assembly, operating and maintenance practices should always be followed whenever using any equipment. Wherever you see the caution sign, extra safety precautions should be taken. You must stop, read, and carefully follow the safety instructions before proceeding.



### READ THROUGH THE ENTIRE MANUAL

It is recommended to read through the entire manual before beginning your installation and/or operating your lift. Follow all steps exactly.

### INSTALLATION



**Caution:** *If you are unable to properly and safely install this boat lift, please have a trained boat lift installer perform the installation.*



**Caution:** Tie security ropes from side frame to top frame. This will prevent rack from pivoting when moving lift into position.



**Caution:** *Never apply weight on lift when top rack is in fully lowered position. Doing this will bend lift frame and cause permanent damage to lift.*



**Caution:** *A freely pivoting lift top frame could cause a pinching or cutting injury during installation. Be sure lift top frame is properly secured when installing. Never move or lift your boat lift by grabbing the lift rack beams.*



**Caution:** *Lift must be resting on lake bottom in a level, secure and stable position for safe operation. An unstable lift installation could result in tipping of lift during operation, causing damage to watercraft, and crushing or pinching injury to operator.*

# SAFETY

## LOADING OF WATERCRAFT



**Caution:** Remove safety ropes before using lift. Be sure when removing that cable is wrapped tight. Winch up excess cable to avoid top frame dropping when undoing ropes.



**Caution:** If fast spin down of wheel occurs, do not touch wheel or attempt to stop its rotation. Placing hands or feet on spinning wheel can cause broken or cut limbs.



**Caution:** Be sure boat is properly balanced and centered in lift before raising.



**Caution:** Properly cover your boat, when in raised position, if rain can gather in your craft. An inch of rain adds several pounds to a lift. Added weight may result in boat weight being over lift capacity.



**Caution:** If lift is without a boat in it for more than one day, raise the top frame (pulleys and cable) fully out of the water to help prevent corrosion of these parts.



**Caution:** Do not over raise lift top-frame. If wheel is over rotated and rack is over raised, it could cause damage to lift and may leave you unable to lower lift back down.

## RAISING LIFT



**Caution:** Stay clear of lift (facing wheel) while operating. Do not allow anyone on, in or under lift. A cable or lift part failure can cause a sudden drop of boat, resulting in a crushing or falling injury or even death!



**Caution:** Lock and chain wheel for security. You may also lock and chain rack to both front of lift uprights to secure boat from cable or winch failure.



**Caution:** Turn wheel clockwise to raise lift. A clicking sound is heard when properly raising lift. Turning wheel and wrapping cable in wrong direction will cause fast spin down of wheel.



**Caution:** Do not allow people on boat when in a raised position on lift. Entering boat when in the raised position adds to lift load and is not safe! A falling injury may occur should lift fail.



**Caution:** Do not allow anyone who is in the water within six feet of the lift. A crushing injury could occur to a swimmer if lift cable, winch brake or lift part fail.

# SAFETY

## LOWERING LIFT



**Caution: Winch Safety – Never disconnect ratchet pawl, gear or brake mechanism to lower lift wheel. Disconnected or faulty brake parts will result in rapid spinning of wheel.**



**Caution: Do not over lower wheel so slack develops in cable. Doing this could cause cable to jump off winch spool. This may result in sloppy wrapping of cable next time you raise the lift, resulting in premature wear or cable breaking.**

## REMOVAL AND STORAGE



**Caution: Ice can severely damage your boat lift. Do not leave lift, or boat in lift, in water if ice damage is possible.**



**Caution: Tie lift rack securely to lift side upright in opposite corners. This will prevent top frame from pivoting when moving lift out of water.**



**Caution: A freely pivoting lift top-frame could cause a pinching or cutting injury during removal. Be sure lift rack is properly secured when removing. Never move or lift your boat lift by grabbing lift topframe or spreader bars.**

## SERVICE



**Caution: Check cable for frays, corrosion or breaks at least once a month. A cable breaking while boat is in lift could damage boat or lift. Severe bodily injury could also occur.**



# Warranty

## DOCK RITE, INC. 15 YEAR LIMITED WARRANTY

Dock Rite, Inc. warrants all Dock Rite products by the original owner from defects in materials and workmanship under normal use for a period of 15 years from date of purchase (void if alteration, neglect, misuse, accident, ice or storm in the cause except for what is stated below). Dock Rite agrees to repair or replace only defective parts returned to the factory (prepaid Hutchinson, Minnesota) and deemed defective by Dock Rite, Inc.

This warranty covers all Dock Rite products manufactured by Dock Rite, Inc. Warranty does not cover any product manufactured by any other manufacturer that is sold by Dock Rite, Inc. (such as winches) that may carry their own manufacturer's warranty, or may damage caused to a Dock Rite product that is not a defect in manufacturing. This warranty also does not cover a Dock Rite product that was used in any way that it was not originally intended to be used as, or in any way that would create excessive wear or corrosion other than the intended use of the Dock Rite product. Dock Rite does not warranty any products made of wood (decking, benches, boat lift bunks) as are subject to weather and are expected to deteriorate over time, unless Dock Rite workmanship is the cause of failure to perform as sold.

All warranty claims are subject to Dock Rite approval and can be made by a Dock Rite dealer or contact Dock Rite directly and must have original bill of sale stating original date of purchase of the item being claimed as defective. All claims must be made and approved by Dock Rite, Inc. before any repair work is started.

### Dock Rite individual part warranties:

DOCK FRAME	15 YEARS
DOCK TIRES	2 YEARS
DOCK ACCESSORIES	2 YEARS
LIFT FRAME	15 YEARS
LIFT CABLE	2 YEARS
CANOPY FRAME	15 YEARS
CANOPY CANVAS	3 YEARS
WINCH	5 YEARS
PULLEY SHEAVES	2 YEARS
LIFT ACCESSORIES	2 YEARS

All claims can be made to your local Dock Rite dealer or by contacting:

DOCK RITE, INC.  
18250 – 203<sup>RD</sup>  
HUTCHINSON, MN 55350  
(320) 587-0644  
FAX: (320) 587-3109  
E-MAIL [dockrite@hutchtel.net](mailto:dockrite@hutchtel.net)

# Check Shipment

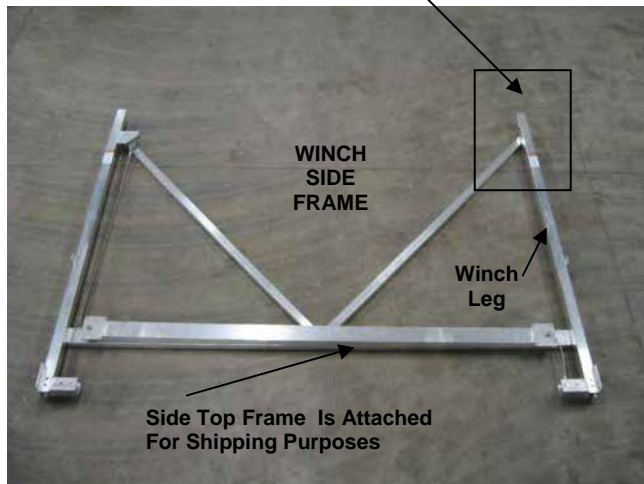
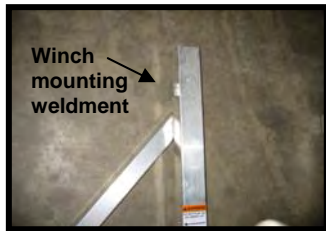
## INSPECT SHIPMENT

Complete the following steps before assembling your lift.

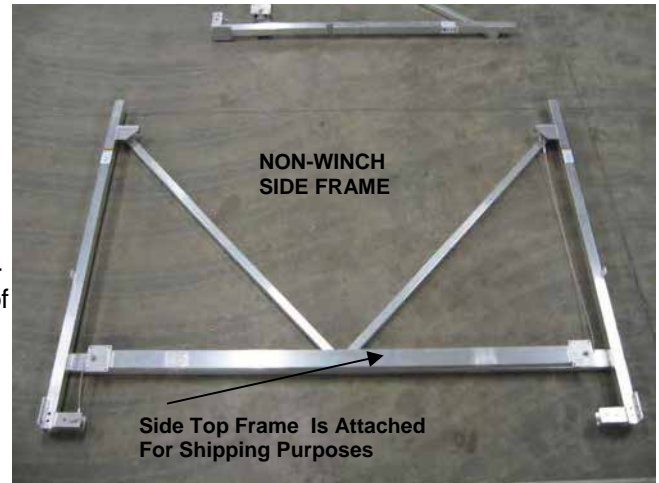
1. Note any damage to the shipping cartons.
2. Remove all items from the shipping cartons.
3. Note any items lost or damaged in shipment.
4. Refer to the following shipment photos and part identification page or to the exploded view and parts list in the back of the manual for the part names and numbers of missing or damaged items. Call your dealer if problems exist.

## LEARN PART IDENTIFICATION

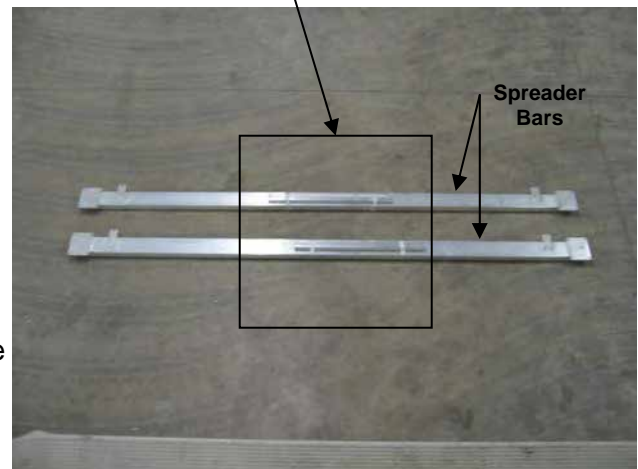
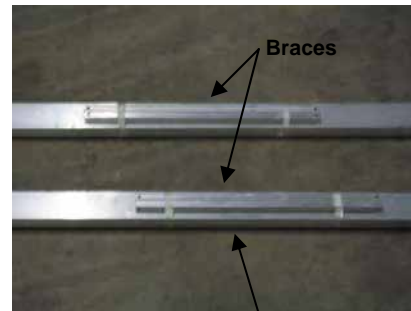
Review the part identification photos on the following pages. Do not proceed with assembly until you have a good understanding of the part names.



**FIG. 1-A. Winch Side Frame.** Note that the winch side frame has the winch mounting weldment on one leg. Also note that there is a top side frame attached to the winch side frame for shipping purposes.

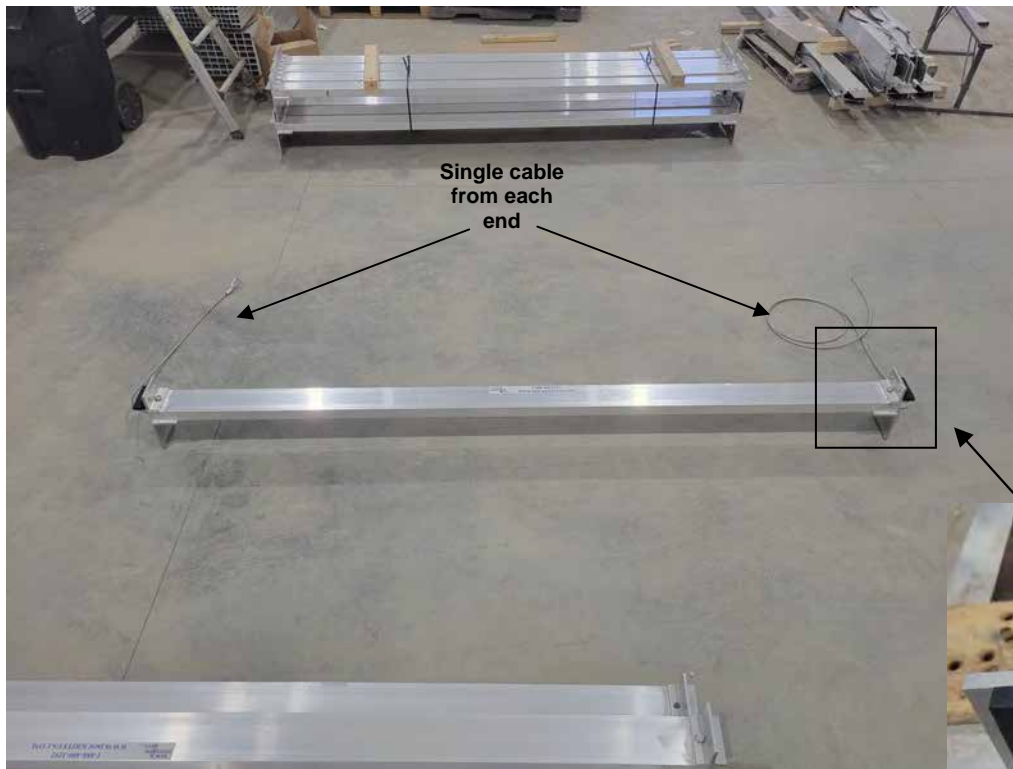


**FIG. 1-B. Non Winch side Frame.** Note that there is a top side frame attached to the non-winch side frame for shipping purposes.



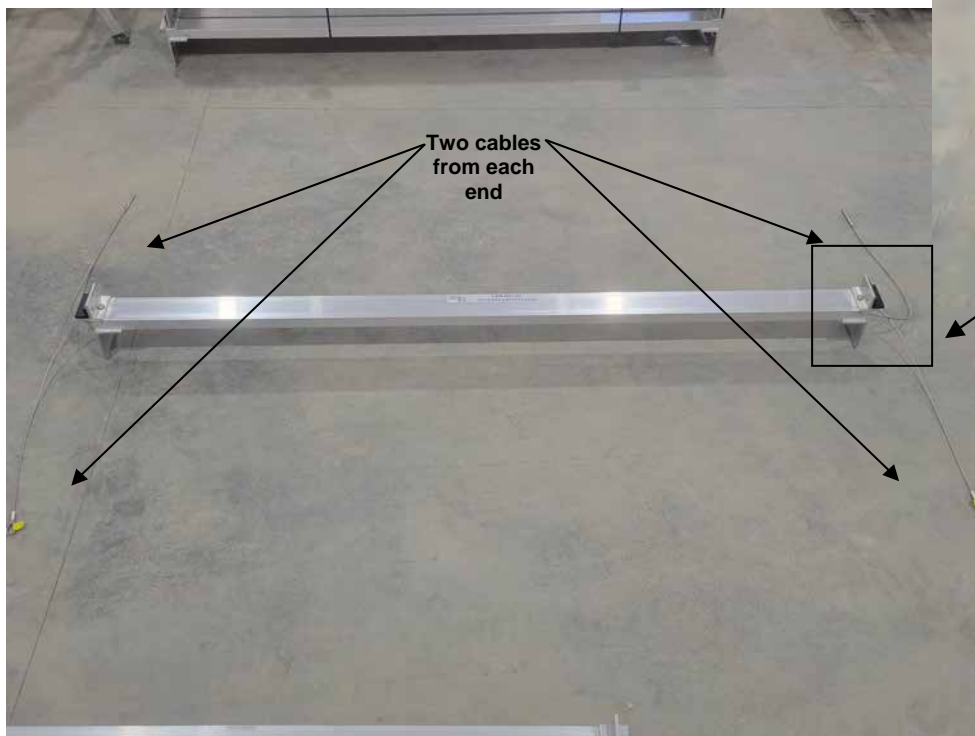
**FIG. 1-C. Spreader Bars (2 ea.).** Note that there are 2 braces attached to the spreader bars for shipping purposes.

# Check Shipment



**FIG. 1-D. Top Frame Side (Front).** Note this frame has one cable coming out of each end.

**FIG. 1-E Top Frame Side (Back).** Note this frame has two cables coming out of each end.



# Check Shipment



**FIG. 1-F. Manually Adjustable Leg Assemblies shown here with the footpads. Standard on the 3000 Models.**



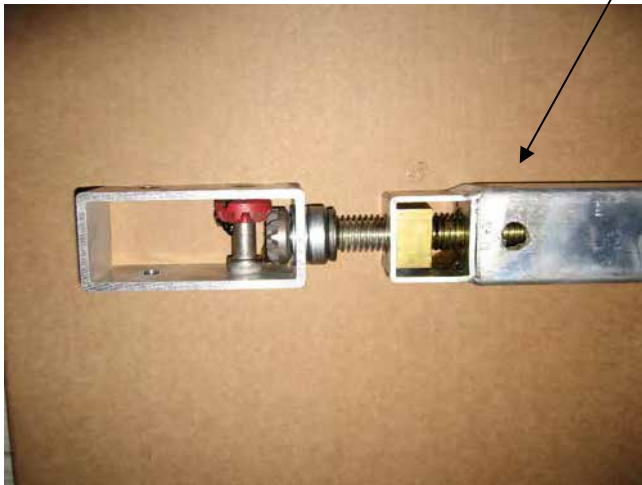
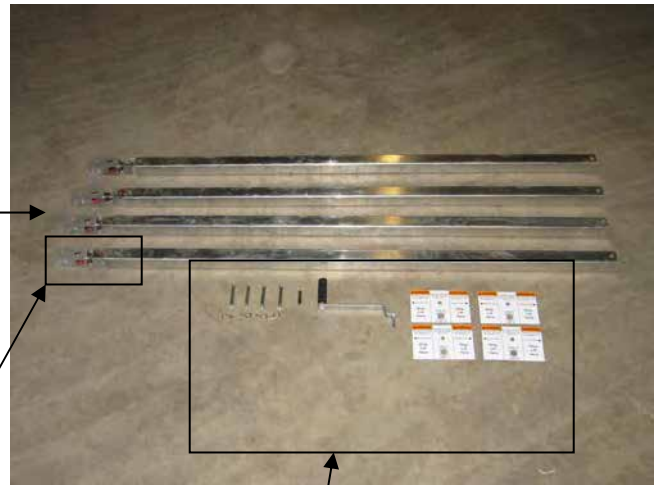
**FIG. 1-G. Winch Wheel.**



**FIG. 1-H. Winch.**



# Check Shipment



**FIG. 1-I. Adjustable Leg Assembly** Standard on the 4000 and 5000 Models. Optional on 3000.



# Check Shipment



**FIG. 1-J. Misc. Hardware Box.**

# Part Identification

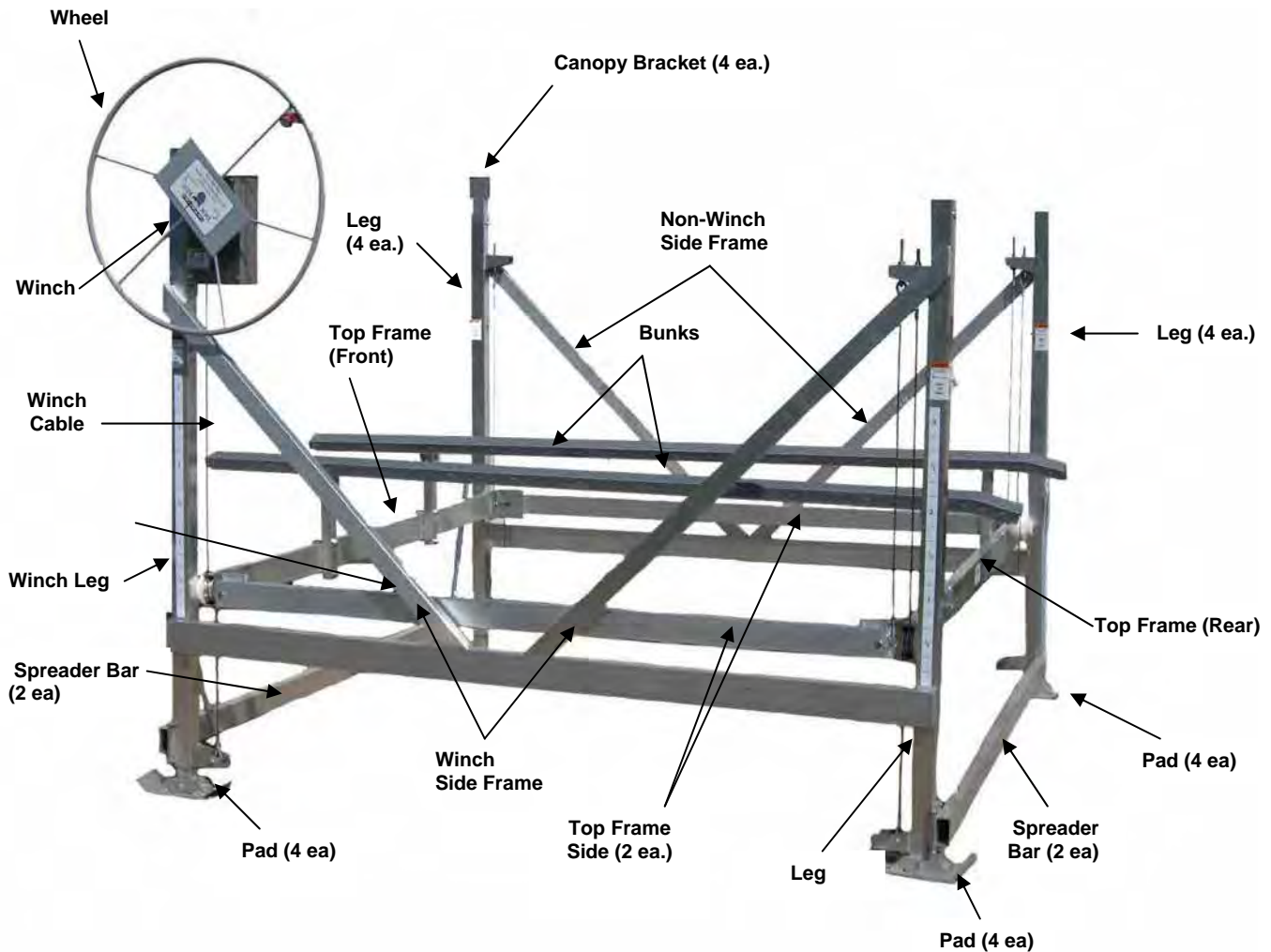


FIG. 2-A

## BEFORE STARTING THE INSTALLATION STEPS

It is recommended to review the parts identified in FIG. 2-A, 2-B, 2-C and in the preceding Shipping Section before proceeding with the assembly instructions.

**A good understanding of part names and shapes will greatly speed the assembly process.**

## DURING EACH INSTALLATION STEP

Take a minute before and after each step. View the position of parts as shown in photos and compare them to your assembly. **This will eliminate mistakes and greatly speed up your assembly process.**

## Part Identification

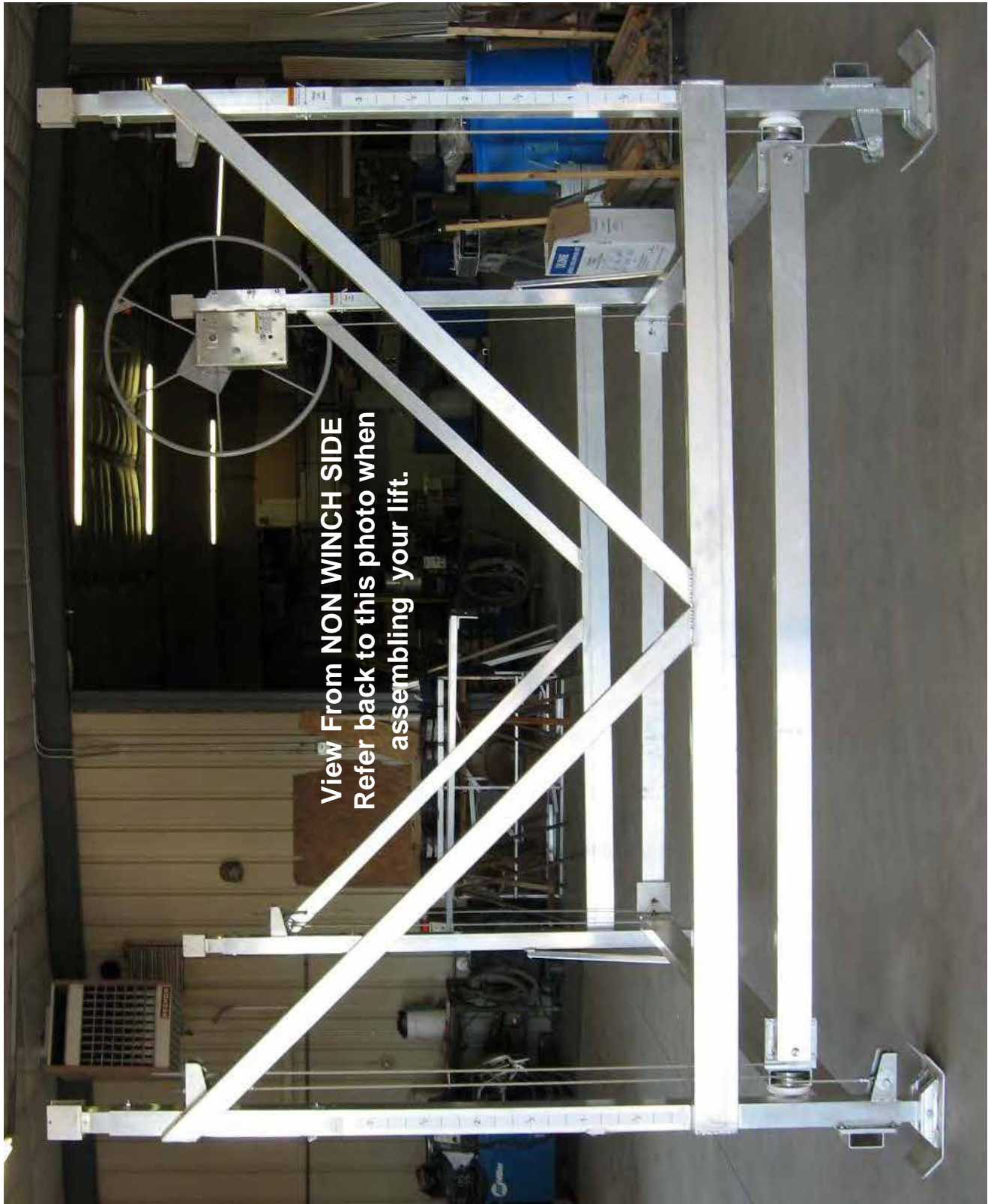


FIG. 2-B



# Part Identification



FIG. 2-C

# Assembly Instructions

## MANUAL LEVELING LEGS AND PAD ASSEMBLY

(Standard on Models 2000 and 3000.  
Optional on Models 4000 and 5000.)

Assemble the pad to the leg as follows:

1. Bolt pad into leg. Use the 7/16"x 5 1/2" bolt and nut on each pad/leg assembly. Firmly tighten at this time. See Fig 3.
2. Insert leveling legs into side frames. On models 3000. See Fig. 3.
3. Secure with hitch pin and cotter key. See Fig. 3.
4. Leg height adjustment will occur later in the instructions.

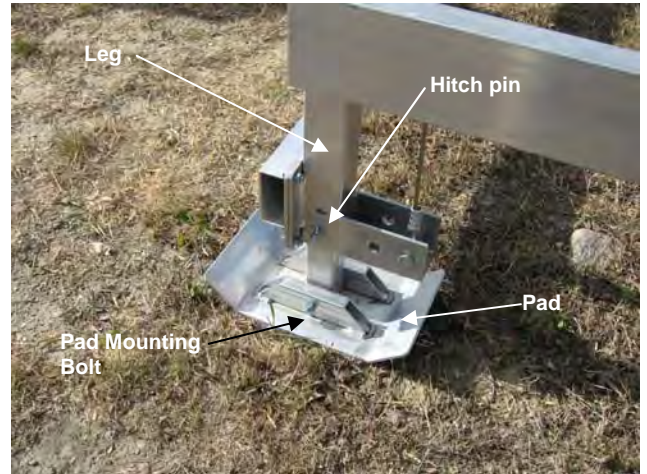


FIG. 3

## ADJUSTABLE LEVELING LEG KIT and Pad ASSEMBLY INSTRUCTIONS

(Standard on Models 4000 and 5000. Op-  
tional on Models 2000 and 3000.)

1. Lift boatlift side up (or to the side if apart) and insert adjustable leg making sure allen head adjuster is facing 7/8" hole in tube. Also, make sure bottom pad hole is facing across lift. Insert pin through top hole in sticker and top hole in adjustable leg, secure with clip.
2. Fasten pads to bottom of adjustable legs.
3. Using either bit supplied for drill or handle, adjust legs so lift is sitting level. Final adjustment will occur later in the instructions



FIG. 4



# Assembly Instructions

## INSTALL WINCH

1. Place winch onto leg assembly. See FIG. 5.
2. Firmly bolt in place using the 1/2" x 4" long bolt and nut provided.

## ATTACH WINCH WHEEL

1. Remove tape protecting the threaded shaft.
2. Mount winch wheel onto the threaded shaft.
3. Firmly lock in place using a 5/16" x 1" bolt and 5/16" washer.

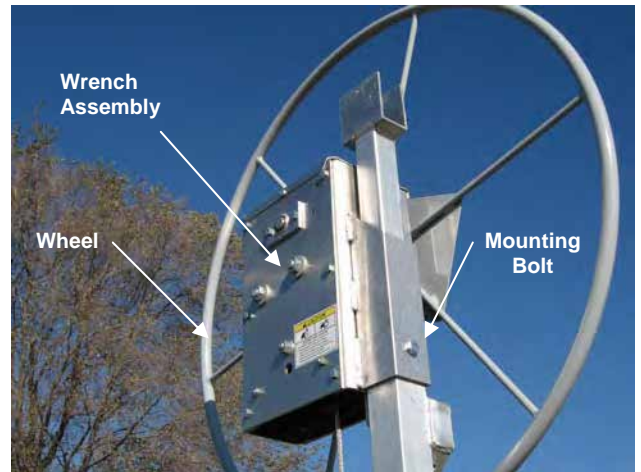


FIG. 5

## ATTACH SPREADER BARS TO SIDE FRAMES

Attach the two spreader bars to the side frames as follows:

1. Locate the two spreader bars. They are identical.
2. Attach to the ends of the side frames as shown. See FIG. 6 & 7. Use 4 ea 3/8" x 1" bolts and nuts provided on each corner. Do not tighten at this time. See FIG. 6 & 7.

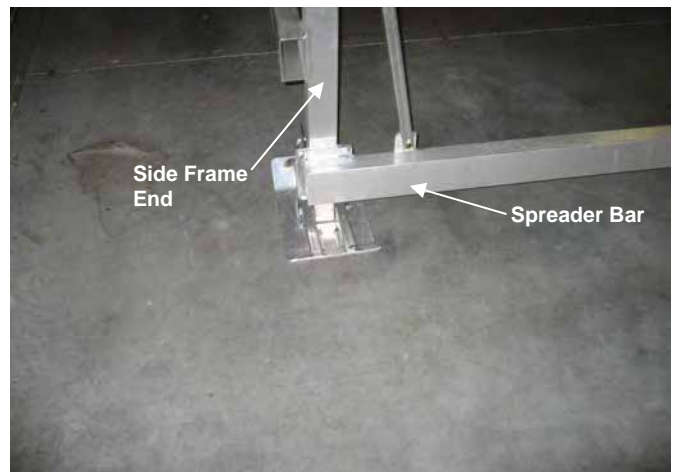


FIG. 6

## ATTACH BRACES TO SIDE FRAMES

Attach the 4 braces to the side frames and the spreader bars. Use the 3/8" x 1 1/2" long bolts and nuts provide on each brace. Do not tighten at this time. See FIG. 7.

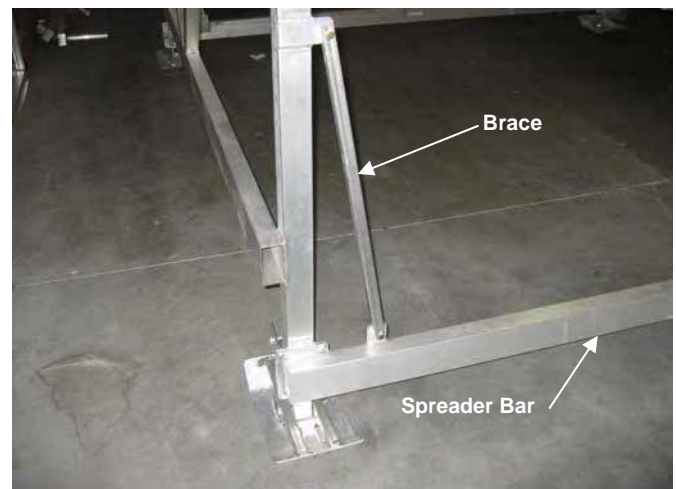


FIG. 7

# Assembly Instructions

## CONNECT TOP FRAME ENDS TO TOP FRAME SIDES

Connect the top frame ends to the top frame sides as follows:

1. Locate and roughly place the 2 top frame pieces in place. See FIG. 8.
2. Note that the top frame sides are identical. Place one on each side of the frame. See FIG. 8. The top frame sides are strapped to sides with cables already strung. See FIG. 10.
3. Place the top frame end with the one cable coming out of each end on the ground inside the frame on the winch end of the lift. (Known as the front of the lift.) See FIG. 8.
4. Note: Top of frame with 2 cables must be mounted with the eye bolts going up and cable is under pulley. See Fig. 12 & 13. Place the top frame end with two cables coming out of each end on the ground inside the frame on the opposite end of the lift (away from the winch.) Known as back or rear of the lift. See FIG. 8.
5. Firmly bolt together shown in FIG. 9 and 11. Use the 4 ea. 3/8" x 1" long bolts and

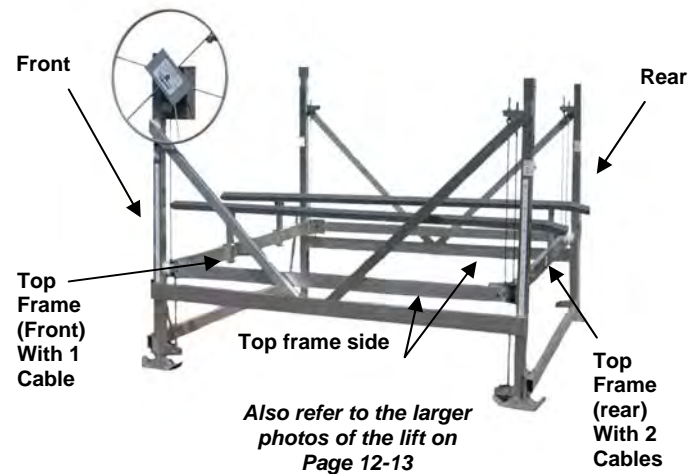


FIG. 8

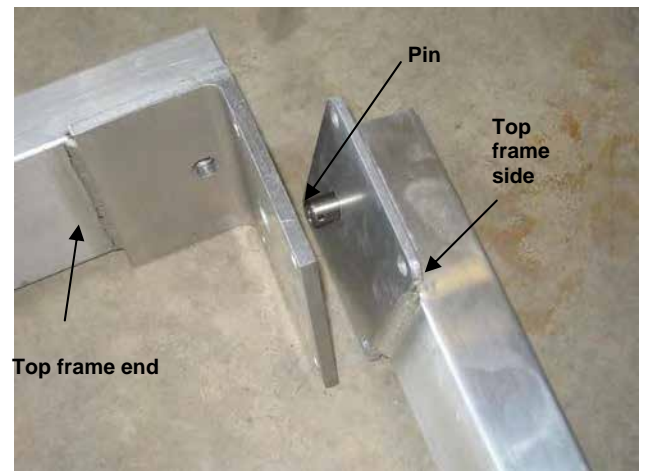


FIG. 9

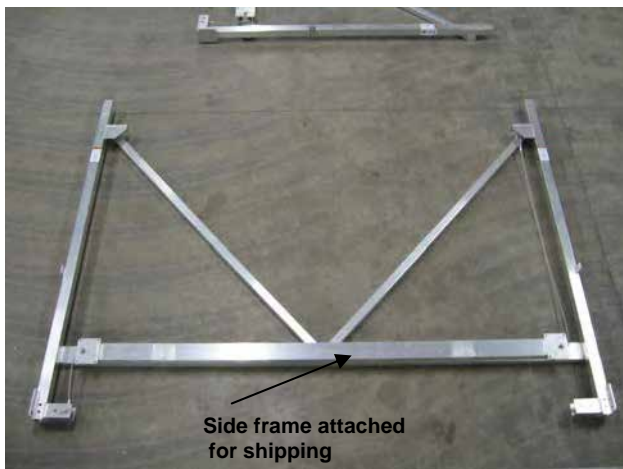


FIG. 10

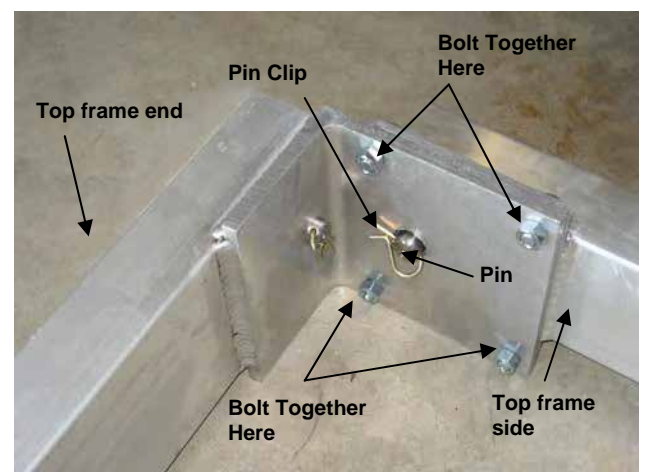


FIG. 11

# Assembly Instructions

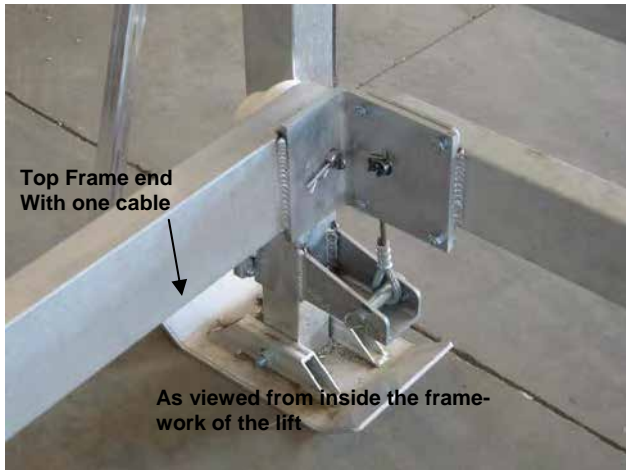


FIG. 12

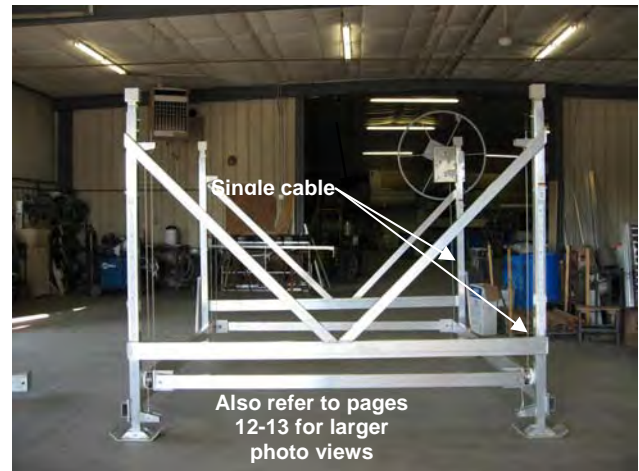


FIG. 14

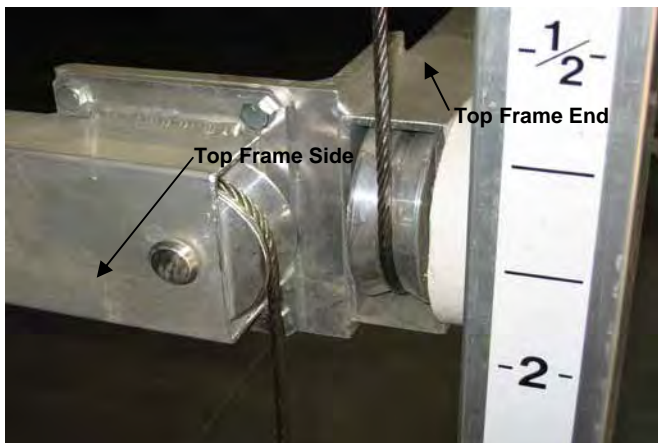


FIG. 13

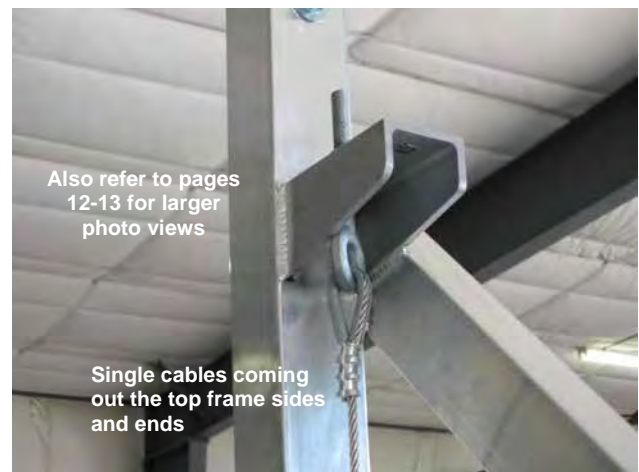


FIG. 15

## CONNECT SINGLE CABLES

Connect the cables as follows: Note: All cables, end with loop going down and end with eye bolt goes up.

1. Go to the winch end of the lift. The winch cable end (without loop) fastens to the winch. Also refer to pages 12 & 13 for larger photo views.
2. Note: There is only one cable coming out of each end of the top frame. Side frame cables will already be fastened.
3. Connect the cables as shown in FIG. 12-16. Also refer to pages 12 & 13 for larger photo views.
4. Final cable adjustment will occur later.

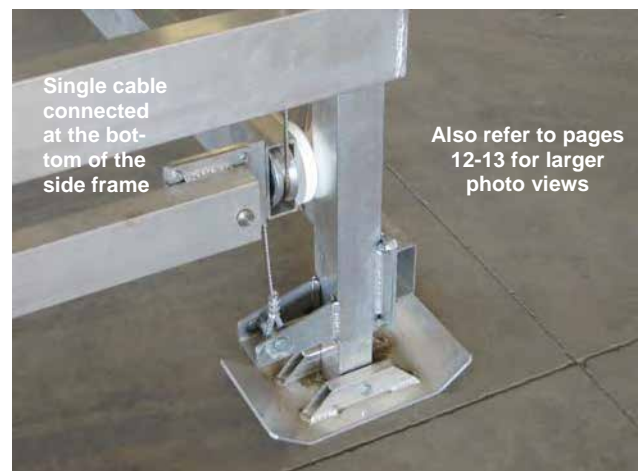


FIG. 16



# Assembly Instructions

## CONNECT DOUBLE CABLES

Note: Top of frame is with two cables.

Connect the cables as follows:

1. Go to the end of the lift opposite the winch. See Fig 17. Also refer to pages 12 & 13 for larger photo views.
2. Note that there are two cables coming out of each top frame end.
3. Connect the cables as shown in FIG. 17-19. Also refer to pages 12 & 13 for larger photo views.
4. Final cable adjustment will occur later.

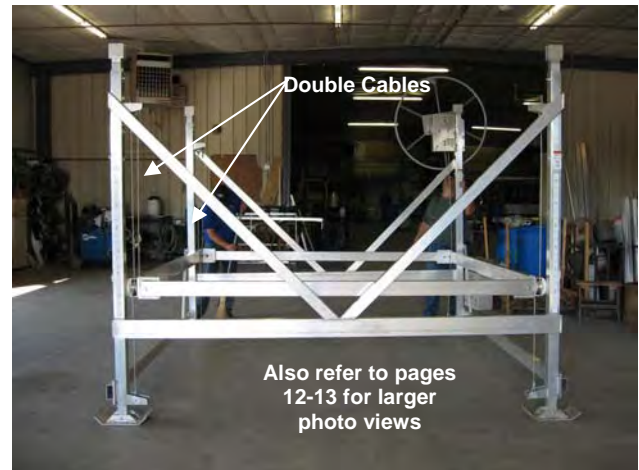


FIG. 17

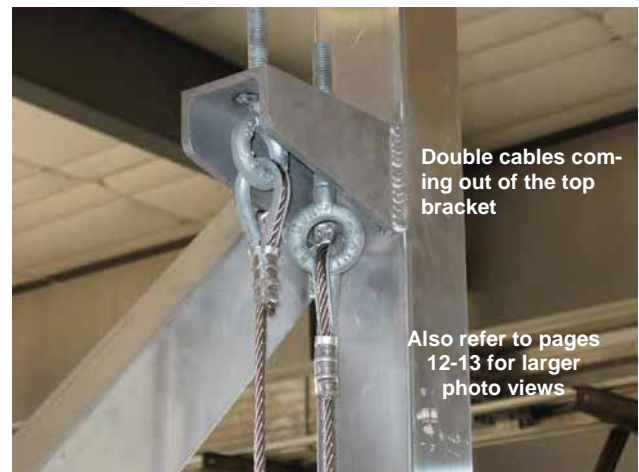


FIG. 18



FIG. 19

# Assembly Instructions

## MOUNT CABLE TO WINCH

1. Feed one end of cable up through bottom of winch frame and into the hole in cable spool (but not protruding beyond the spool hole). See FIG. 20.
2. Firmly tighten the cable to the winch spool using a 5/32" Allen wrench. The setscrew is located through access hole in backside of winch. See FIG 21 and 23.
3. You may have to rotate cable spool to line up setscrew with allen wrench. See FIG. 21 and 23.

**NOTE: Complete step 3 on Model 3000 only. On Models 4000 & 5000 tighten dual Allen Screws.**

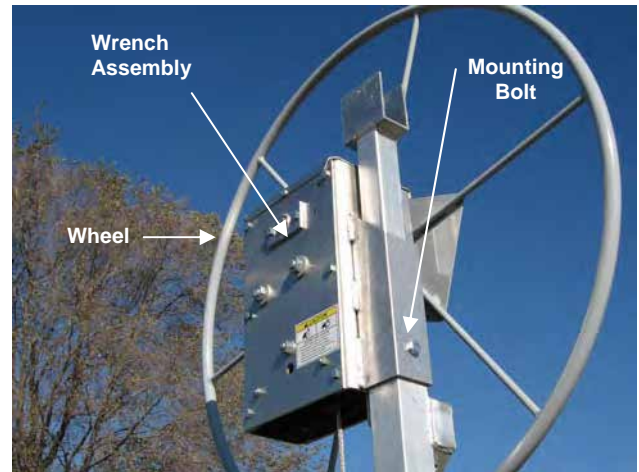


FIG. 20

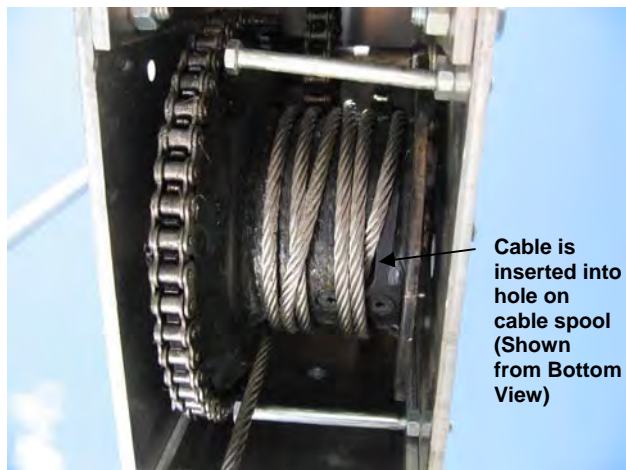


FIG. 21



FIG. 22



FIG. 23



# Assembly Instructions

## LEVEL THE LIFT BED

Adjust cable ends so side frame beams are parallel to top frame beams. See Fig 24 & 25. This is accomplished by tightening the eye bolt nuts. See Fig 25.

## LEVEL THE LIFT

(On units with adjustable screw legs)

The lift can be leveled by adjusting the allen screw at the top of each leg. Turn counter-clockwise to raise, clockwise to lower. See Fig. 28. Using either bit supplied for drill or handle, adjust legs so lift is sitting level. Final adjustment will occur later in the instructions when the unit is in the water.

## LEVEL THE LIFT

(On units with manually adjustable legs)

The lift can be leveled by moving the pin up or down in each leg. See FIG. 26 and 27.

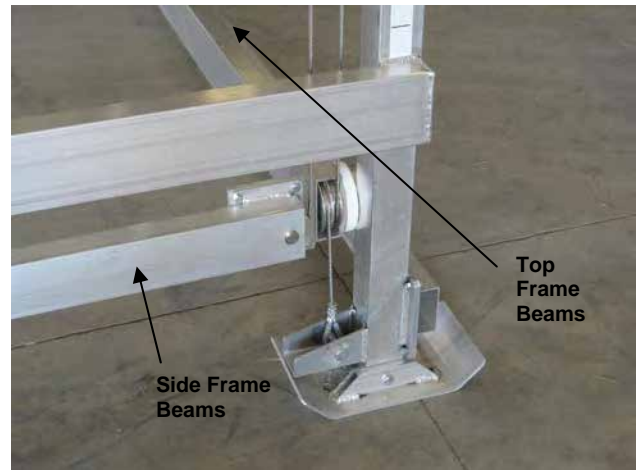


FIG. 24

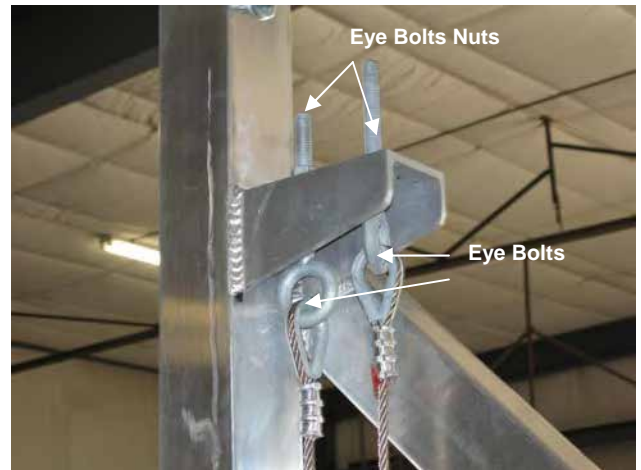


FIG. 25



FIG. 26



FIG. 27



FIG. 28

# Assembly Instructions

## ASSEMBLE BUNKS ONTO LIFT

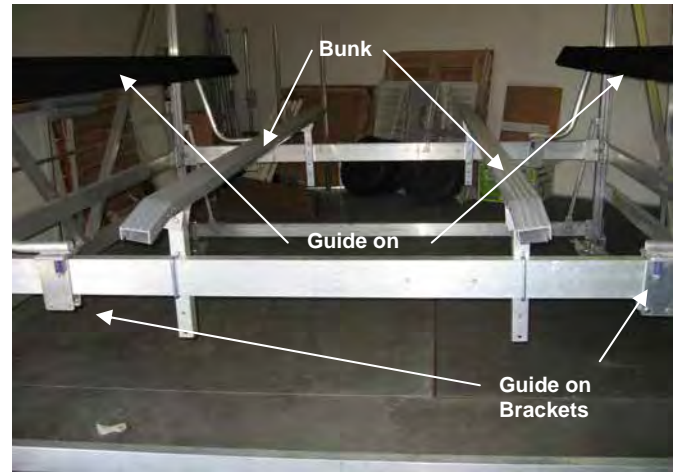
Bolt the two bunks to the top frame. Use the U-bolts and nuts provided. See Fig. 29.

## ASSEMBLE GUIDE ONS ONTO LIFT

Bolt the two guide ons to the top frame as shown. Use the bolts and nuts provided. See FIG. 29.

## TIGHTEN BOLTS AND CABLES

Double check all fasteners. Firmly tighten all hardware at this time.



**FIG. 29**

# Assembly Instructions

## ASSEMBLE CANOPY

Complete the canopy assembly as follows:

1. The main part of the canopy comes in two pieces. Bolt the two halves together. Use the 4 ea. 3/8" x 2 1/2" long bolts and 3/8" nuts provided. See FIGS. 30-31.
2. Mount the two end braces to the assembly canopy. Use the 4 ea. 3/8" x 2" long bolts and 3/8" nuts provided. See FIGS. 30-31.
3. Mount the 4 ea. canopy bracket extensions onto the lift legs. See FIG. 24 & 25. Use the 1/2" x 3 1/2" long bolts and 1/2" nuts provided. See FIGS. 32.
4. Lift the canopy into place and connect the lift leg extensions. Use the 1/4" x 4" long bolts and 1/4" nuts provided. See FIGS. 32.

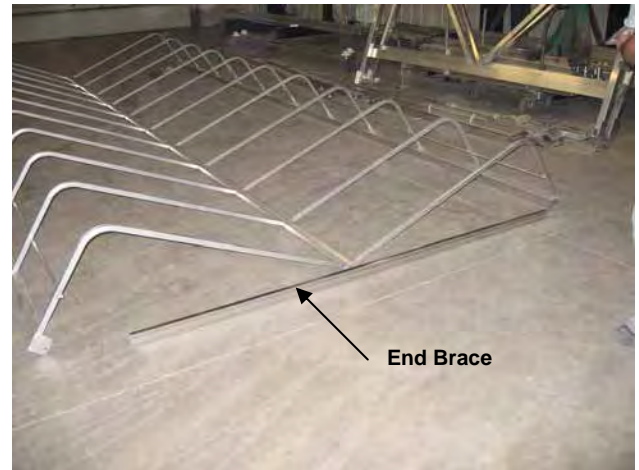


FIG. 30

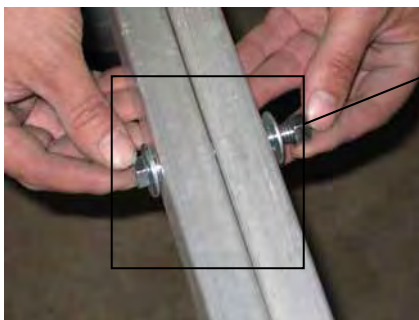


FIG. 31- A

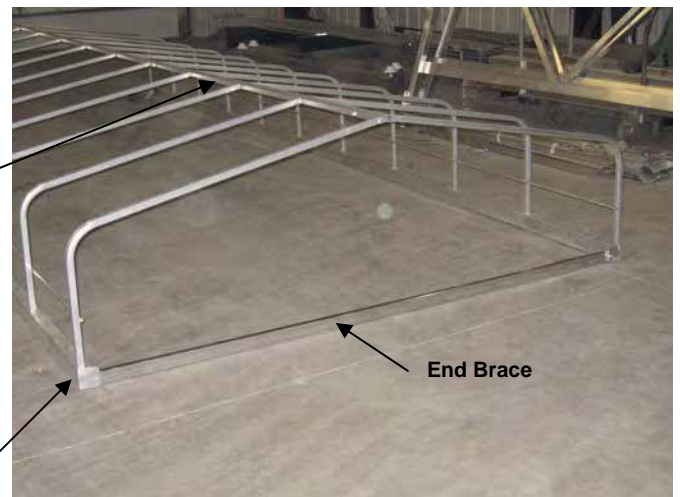


FIG. 31

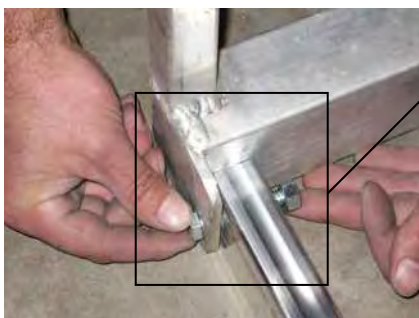


FIG. 31-B

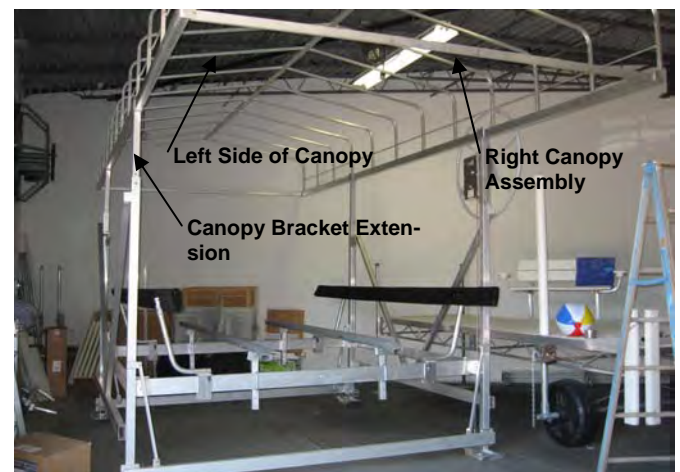


FIG. 32



# Assembly Instructions

## **MOUNT CANOPY FABRIC.**

Mount fabric onto canopy. It is easier to mount the canopy fabric after the lift is in the water. Place a boat in the lift. Use the boat as a platform to stand on. Then fold out canopy fabric over the frame and fasten the mount straps as shown. See FIG. 33.

Note: Canopy fabric should be unfolded down the length of the frame. Then unfold fabric the width of the frame using boat as a platform.



**FIG. 33**

# Installation & Operating Instructions

## INSTALLATION

The following are guidelines or suggestions for installation. Situations may vary between installation sites. Common sense may dictate that other factors be considered in your situation. Your site may not allow for some of our suggestions to be used or entirely followed. Do not, under any circumstances, endanger yourself or risk damage to lift or boat when installing.



**CAUTION:** *If you are unable to properly and safely install this boat lift, please have a trained boat lift installer perform the installation.*

Complete the following steps to install your lift:

1. Measure water depth of exact position you want to locate your lift.
2. Before installing, adjust lift legs so lift can be properly positioned in the water.

## ADJUST LIFT LEGS

**(On units with adjustable screw legs)**

The lift can be leveled by adjusting the set screw in each leg. Turn counter-clockwise to raise, clockwise to lower. See Fig. 42.

Using either bit supplied for drill or handle, adjust legs. Final adjustment could occur later when the unit is in the water. There are markings on each screw type legs, for leveling the lift once it is in the water

## ADJUST LIFT LEGS

**(On units with manually adjustable legs)**

The lift can be leveled by moving the pin up or down in each leg. It's much easier to adjust this type of leg before it is in the water. See FIG. 40 and 41.

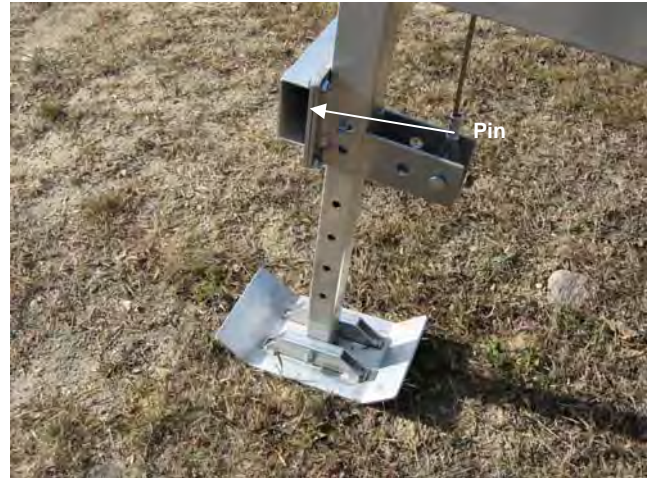


FIG. 40



FIG. 41



FIG. 42



# Installation & Operating Instructions

## INSTALLATION (Continued)

3. Carry, lift, roll, float or slide lift into position. Position alongside dock so hand wheel can be easily turned from dock.

**Note:** *Life must be positioned low enough so boat can float into the right position before raising, while also allowing high enough position so the boat can be fully raised up and out of the water.*

**Note:** *Lift rack must always be in a partially raised position (6" above rear bottom beam) before any weight is applied. Lift rack must never rest on rear bottom beam during use. Adjust lift legs down or move lift to deeper water level if this problem occurs.*



**CAUTION:** *Never apply weight on lift when top rack is in fully lowered position. Doing this will bend lift frame and cause permanent damage to lift.*



**CAUTION:** *Remove vertical wheel kit before lifting boat.*

**Note:** *Remove ropes when lift is in place.*



**CAUTION:** *A freely pivoting lift topframe could cause a pinching or cutting injury during installation. Be sure lift topframe is properly secured when installing. Never move or lift your boat lift by grabbing the lift rack.*



**CAUTION:** *A freely pivoting lift top frame could cause a pinching or cutting injury during installation. Be sure lift top frame is properly secured when installing. Never move or lift your boat lift by grabbing the lift rack.*



**CAUTION:** *Lift must be resting on lake bottom in a level, secure and stable position for safe operation. An unstable lift installation could result in tipping of lift during operation, causing damage to watercraft, and crushing or pinching injury to operator.*

# Installation & Operating Instructions

## LOADING OF WATERCRAFT



**CAUTION:** Remove safety ropes before using lift. Be sure when moving that cable is wrapped tight. Winch up excess cable to avoid top frame dropping when undoing ropes.

1. Be sure lift rack and cradles or bunks are position below water surface so they will not interfere with the boat floating into position.
2. Position boat with center of gravity near middle of lift. For most rear engine mounted boats, this requires you to position the boat mostly forward in the lift.



**CAUTION:** Be sure boat is properly balanced and centered in lift before raising.



**CAUTION:** If lift is without a boat in it for more than one day, raise the topframe (pulleys and cable) fully out of the water to help prevent corrosion of these parts.



FIG. 43

# Installation & Operating Instructions

## RAISING LIFT

1. Make sure boat is in proper position.
2. Turn lift wheel clockwise.
3. Stop turning wheel when craft reaches desired height out of the water.

Optional: Lock and chain wheel for security. You may also lock and chain rack to both front of lift uprights to secure boat from cable or winch failure.



FIG. 44



**CAUTION:** Stay clear of lift (facing wheel) while operating. Do not allow anyone on, in or under lift. A cable or lift part failure can cause a sudden drop of boat, resulting in a crushing or falling injury or even death!



**CAUTION:** Turn wheel clockwise to raise lift. A clicking sound is heard when properly raising lift. Turning wheel and wrapping cable in wrong direction will cause fast spin down of wheel.



**CAUTION:** If fast spin down of wheel occurs, do not touch wheel or attempt to stop. Placing hands or feet on spinning wheel can cause broken or cut limbs.



**CAUTION:** Properly cover your boat, when in raised position, if rain can gather in your craft. An inch of rain adds several pounds to a boat. Added weight may result in boat being over capacity of lift.



**CAUTION:** Do not over raise lift top-frame. If wheel is over rotated and rack is over raised, it could cause damage to lift and may leave you unable to lower lift back down.



**CAUTION:** Do not allow people on boat when in a raised position on lift. Entering boat when in the raised position adds to lift load and is not safe! A falling injury may occur should lift fail.



**CAUTION:** Do not allow anyone who is in the water within six feet of the lift. A crushing injury could occur to a swimmer if lift cable, winch brake or lift part fail.

# Installation & Operating Instructions

## LOWERING LIFT

1. Turn wheel counterclockwise.

**Note:** Turn wheel down one or two turns past point when craft begins to float. (This must always be at some point before lift top frame is contacting rear bottom spreader bar.) Then turn wheel up slightly until clicking sound is heard to secure wheel position and brake on winch.



FIG. 45



**CAUTION:** Winch Safety – Never disconnect ratchet pawl, gear or brake mechanism to lower lift wheel. Disconnected or faulty brake parts will result in rapid spinning of wheel.



**CAUTION:** Do not over lower wheel so slack develops in cable. Doing this could cause cable to jump off winch spool. This may result in sloppy wrapping of cable next time you raise the lift, resulting in premature wear or cable breaking.



# Installation & Operating Instructions

## REMOVAL AND STORAGE

Dock Rite, Inc. does not warranty this product against any damage caused by or related to ice!!!



**CAUTION: Ice can severely damage your boat lift. Do not leave lift, or boat in lift, in water if ice damage is possible.**

1. Tie lift rack securely to lift side upright in opposite corners. This will prevent the top frame from pivoting when moving lift out of water.

**Note: Remove ropes when lift is reinstalled.**



**CAUTION: A freely pivoting lift topframe could cause a pinching or cutting injury during removal. Be sure lift rack is properly secured when removing. Never move or lift your boat lift by grabbing lift topframe or spreader bars.**

2. Carry, lift, roll, float or slide lift out of water. Position safely from potential ice build up.



FIG. 46

# Maintenance Instructions

## INSPECTION

1. Inspect nuts and bolts at least every six months for damage, wear or loose connections. Tighten or replace parts as needed.



**CAUTION:** Check cable for frays, corrosion or breaks at least once a month. A cable breaking while boat is in lift could damage boat or lift. Severe bodily injury could also occur.

2. Inspect lift frames, pulleys, winch and pivot points at least every six months for unusual wear, damage or bent parts. Replace or repair as needed.

## LUBRICATION

1. Lubricate winch and wheel threads at least every six months.

**NOTE:** Do not get lubricant on brake pads! Brake will fail and wheel will spin down if brake pads are lubricated.

2. Lubricate pulleys at least every six months. Check pulley nuts and bolts during assembly and every six months to make sure they are properly tightened.

**NOTE:** Dock Rite, Inc. dealers usually offer service visits. Please contact them if you are unable or unwilling to perform maintenance or service to the lift.



FIG. 50