

OWNER'S MANUAL/SHOREMASTER 28866/38966 VERTICAL LIFT

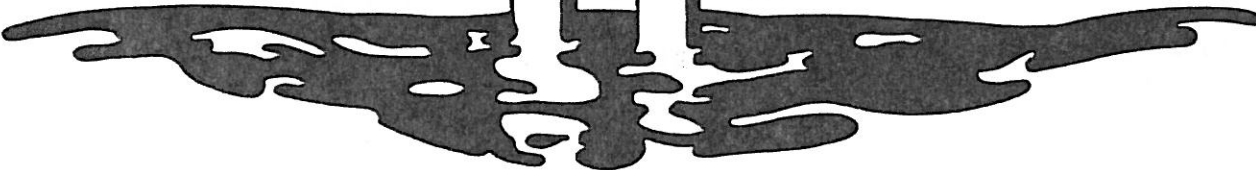
WEIGHT CAPACITY: 2800 lbs.
WEIGHT CAPACITY: 3800 lbs.

INTERIOR WIDTH: 96"
INTERIOR WIDTH: 108"

EFFECTIVE 11-1-92

Before attempting to operate the lift, read this owners manual thoroughly.

SHOREMASTER



PLEASE KEEP THIS FOR FUTURE REFERENCE

When assembling any product, the proper safety precautions must be observed. Please make sure that during assembly all the parts are on a flat, clean work area to minimize the chance of accidents. Also, DO NOT allow younger children in the area when assembling, installing, or removing the lift. ALWAYS wear protective eyewear and clothing when assembling, installing, and removing the lift. REMEMBER, ALWAYS PUT SAFETY FIRST!!!

The following parts list, operating/safety procedures, assembly instructions and maintenance schedule is for your ShoreMaster boat lift. Please read through the manual entirely before attempting to operate the lift. Pay close attention to all safety related material. If you have any questions contact your dealer or call ShoreMaster toll-free 1-(800) 328-8945.

**** IMPORTANT ****

NEVER exceed the listed weight capacity of a boat lift. Doing so will invalidate the warranty, and could result in damage to the lift and/or boat, and serious personal injury or death.

REMEMBER, your boat weight includes: boat, motor, gas, battery, oil, gear, etc.!!!

Grease pulleys and winch when it is new and every spring and fall. Not doing so will invalidate your warranty.

VERTICAL PARTS LIST

All ShoreMaster vertical boat lifts have these same general parts. Although they differ in size from one model to another, the general design is the same.

- 4 - Legs (2 front & 2 rear)
- 2 - Sides (V-side & opposite V-side)
- 2 - Bottom Beams (front & rear)
- 2 - Rack Sides (left & right)
- 2 - Rack Beams (front & rear)
- 1 - Wheel
- 1 - Winch Box (assembly hardware, winch, bolts, etc.)

Various accessories are available to be mounted on your ShoreMaster lift. These accessories do not come standard with each boat lift. Please refer to your brochure or contact your dealer for details and current pricing.

SHOREMASTER INSTRUCTIONAL ASSEMBLY VIDEO'S ARE AVAILABLE FOR PURCHASE OR RENT AT YOUR LOCAL DEALER.

28866 & 38966 VERTICAL LIFT HARDWARE LIST

<u>QUANTITY</u>	<u>DESCRIPTION</u>
8	3/8" X 1" MACHINE BOLTS
4	3/8" X 3 1/2" MACHINE BOLTS
26	3/8" X 4" MACHINE BOLTS
38	3/8" NUTS
4	3/8" WASHERS
1	***** SHOREMASTER WINCH
4	#11 BLUE CAPS
1	SM WHEEL KIT
1	INSTRUCTION SHEET

**** DO NOT ATTEMPT TO OPERATE LIFT WITHOUT FIRST STUDYING THE FOLLOWING ****

OPERATING & SAFETY

1. After assembly (and yearly), check to be sure that all nuts and bolts are tightened as required. Check pulley sheaves, cables, winch, and lift rack to see that they are all operating freely and there are no signs of wear or possible failure.
2. ALWAYS wear protective clothing and eyewear when assembling, installing, or removing the lift and/or lift accessories.
3. Make all possible adjustments to lift legs, cradles, EPU's and other accessories before installing lift in the water. Adjusting lift parts while in the water is more difficult and potentially more dangerous. NEVER make any adjustments with the boat in the lift.
4. Test to see that the winch is working properly by winding up cable on spool by turning the wheel clockwise. Hand guide the cable onto the winch spool the first few times the lift is raised so the cable wraps uniformly.
5. The winch must be making a clicking sound when raising the boat. A brake will activate automatically when you stop, allowing you safe and controllable use. NEVER lift the ratchet pawl as a means to lower the lift. To lower the lift, please turn the wheel counter-clockwise. When lifting your lift and you turn the wheel and the ratchet is not clicking, you are turning the wheel backwards or your brake mechanism is not working. Rapid spin down may occur. DO NOT attempt to stop if this occurs.
6. ***** IF AT ANYTIME THE LIFT WHEEL SPINS UNCONTROLLABLY DO NOT ATTEMPT TO STOP IT! DOING SO COULD RESULT IN SERIOUS INJURY OR DEATH *****
7. Never attempt to operate lift unless winch is functioning properly. **IMPORTANT: ** IT IS RECOMMENDED THAT ANYONE OPERATING THE LIFT FIRST THOROUGHLY STUDY THE OWNERS MANUAL.** Study winch maintenance, instructions and safety tips located in your owners manual.
8. Never allow rack to be in a fully lowered position while supporting the weight of your boat (winter storage, etc.) Damage may result to the rack (this applies to cantilever models only).
9. Be sure that the boat is properly balanced and centered on the lift before attempting to raise the rack. Generally, the boat should be as far forward in lift as possible for proper balance.
10. It is recommended that the lift be operated in at least 3' of water. This will allow for easier raising of the lift and less strain on the winch (cantilever models only).

11. Do not raise the rack past the recommended height (over center on a cantilever). Doing so could damage the lift or cause the winch or cable to break.
12. DO NOT lower the rack to the point where the cable begins to develop slack. Doing so may allow the cable to jump the spool and/or pulleys and cause personal injury and/or damage to the cable and winch.
13. If at anytime there is more than the normal resistance when operating the wheel and winch, do not attempt to force it. Lower the lift and check for possible problems with winch or other lift parts.
14. NEVER exceed the recommended weight capacity of the lift. Doing so will invalidate your warranty and could damage the lift. Improper loading could cause serious injury or death.
15. Pull drain plug from boat when raised on the lift and not in use. Failing to do so may result in water accumulating and the load exceeding recommended lift capacity.
16. Lock your wheel and rack in place by chain and padlock when unattended. This will help prevent theft or possible spin down of wheel and rack.
17. Never allow anyone (especially children) on, in, under, or near the lift when in a raised position or when being raised or lowered. You may cradle the boat when loading and unloading passengers. This is the point at which your boat is not supported by the lift, but it is prevented from lateral movement during loading or unloading of passengers.

WINCH INSTRUCTIONS, SAFETY & MAINTENANCE

WINCH INSTRUCTIONS

Thread the wheel on to the drive shaft turning clockwise until a clicking sound is heard and the rack begins to raise. After the wheel is in firm contact with the brake pads and ratchet gear, install the wheel kit to prevent the wheel from backing off the winch driveshaft (step 6). To prevent fraying or binding, uniformly wind cable on to winch hub. You may need to hand guide the cable onto the spool the first few times to make sure it wraps uniformly. When doing this please wear protective clothing.

Wind cable off the hub by turning the wheel counter-clockwise (no noise will be produced). To make sure the wheel will remain in position when you let go of the wheel, turn the wheel clockwise so you hear a clicking sound. Sufficient load must be applied to lift for brake mechanism to activate properly, otherwise turning the wheel will only remove the wheel from the shaft. NEVER raise the ratchet pawl as a means to lower the lift. Always satisfy yourself that the winch brake is holding the load before releasing the wheel. IF IT IS NOT, RAPID SPIN DOWN COULD OCCUR. DO NOT ATTEMPT TO STOP WHEEL IF UNCONTROLLED RAPID SPIN DOWN SHOULD OCCUR!!!

If at anytime the wheel turns up or down with great difficulty, the brake may be sticking. The brake pads may be worn or not smooth enough to allow brake to release. It is important that the wheel and shaft threads are greased periodically. DO NOT, however, grease any part of the brake mechanism.

* IMPORTANT *

NEVER wind cable off the winch hub so that excess slack occurs in the cable. Excess slack in the cable could allow the cable to slip off the winch hub or pulleys and cause damage to your lift or winch and may cause personal injury.

WINCH SAFETY

The winch for this lift is strickly for watercraft lifting operations. It is not to be used as a method of supporting or transporting people, or for loads over areas where people may be present.

Check winch for proper operations on each use. If it is damaged in anyway do not attempt to operate.

Never allow children or those unfamiliar with the operation of the lift to use it.

NEVER exceed recommended lift capacity. Personal injury may result.

Never apply load to winch with cable fully unwrapped. There should be at least four full turns of cable on the hub.

NEVER raise the ratchet pawl as a means to lower the lift. Doing so may result in serious injury.

WINCH MAINTENANCE

It is recommended that the winch be inspected periodically (at least twice yearly). Necessary preventive maintenance is required for maximum performance of the winch.

1. Remove all the load from the lift. Then turn down until the cable BEGINS to slack. Remove wheel kit and wheel from shaft.
2. Remove brake pads and ratchet gear from shaft. Sand off any rust or corrosion on these parts. DO NOT grease the brake pad mechanism.
3. Replace brake pads and ratchet gear on the shaft. One brake pad should be on each side of the ratchet gear. Replace wheel and wheel kit.

VERY IMPORTANT:

4. Check to be sure that ratchet pawl and spring (if used on your lift) are aligned on the ratchet gear. You can do this by turning the wheel clockwise. A clicking sound should be heard. If it is not functioning properly, check to see that your spring (if used on your lift) is in place. New ShoreMaster models with capacities of 2500# and higher manufactured after January 1992 do not use springs on the ratchet pawl.
5. Remove the cover and check to see that gears, shafts and chains are attached and turning freely. Grease all bearings and gear teeth with good wheel bearing grease.
6. Replace winch cover. Check mounting of winch to be sure that it is secure and properly aligned. Also, check cable to make sure it is secure and there is no abnormal stiffness or broken strands.
7. Replace any worn or broken parts with authorized ShoreMaster parts available at your local dealer or ShoreMaster.

STEP 1

****IMPORTANT****

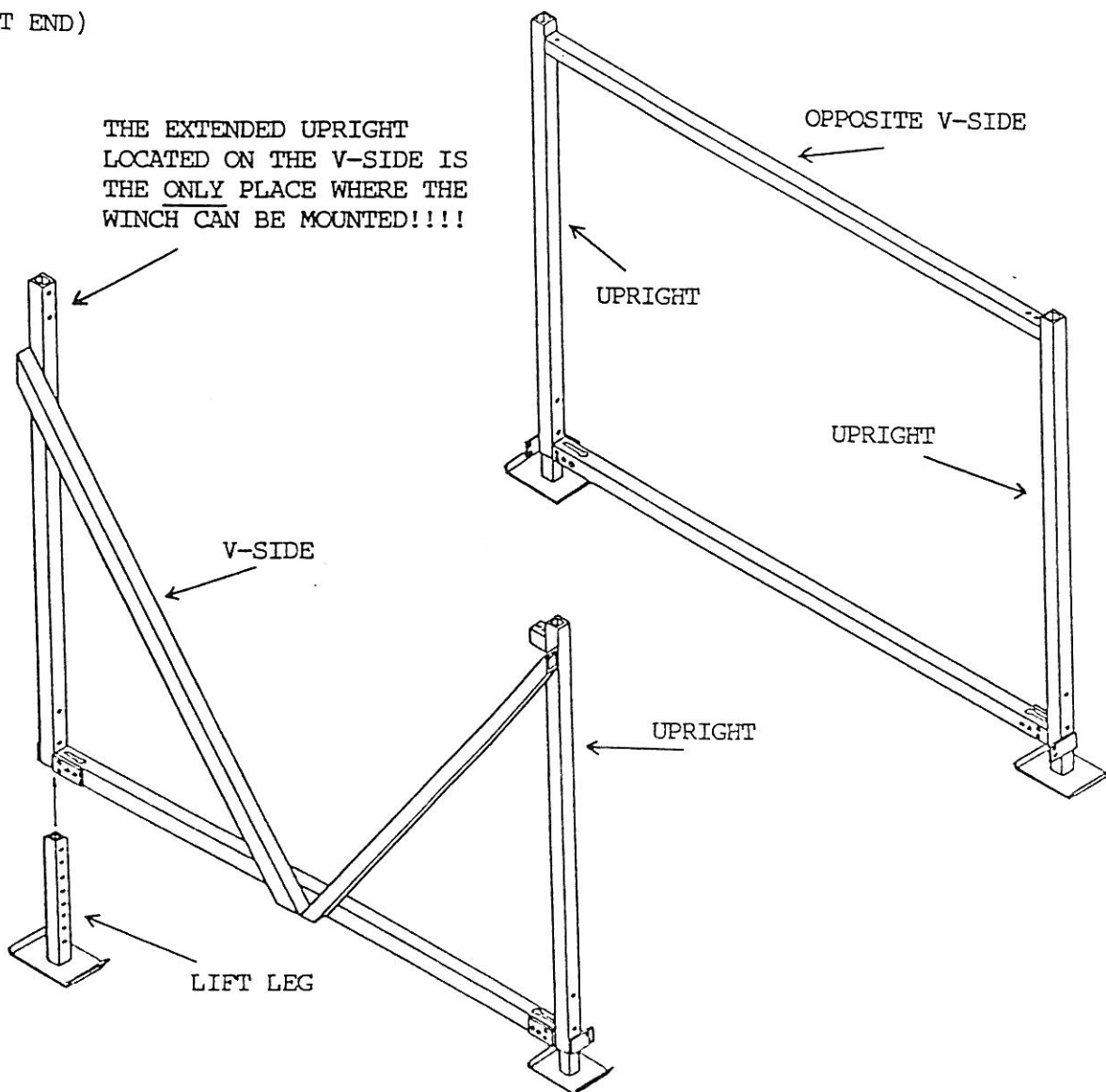
DO NOT FULLY TIGHTEN THE NUTS & BOLTS UNTIL ALL THE NUTS & BOLTS ARE IN PLACE. THEN TIGHTEN SECURELY SO YOU ARE SATISFIED THEY ARE FIRMLY LOCKED IN POSITION.

- (1) INSERT ALL (4) SQUARE LIFT LEGS INTO THE V-SIDE UPRIGHTS AND OPPOSITE V-SIDE UPRIGHTS AS SHOWN. BOLT IN PLACE USING 3/8" X 3 1/2" MACHINE BOLTS.
- (2) PLACE THE V-SIDE AND OPPOSITE V-SIDE ABOUT 9' APART.

****NOTE****

FROM THIS POINT ON IN THE INSTRUCTIONS, THE FRONT END OF THE LIFT WILL MEAN THE END THAT THE WINCH IS ATTACHED. THE OTHER END WILL BE REFERED TO AS THE BACK END EVEN THOUGH THERE IS NO TRUE FRONT OR REAR TO A VERTICAL LIFT.

(FRONT END)



STEP 2

****NOTE****

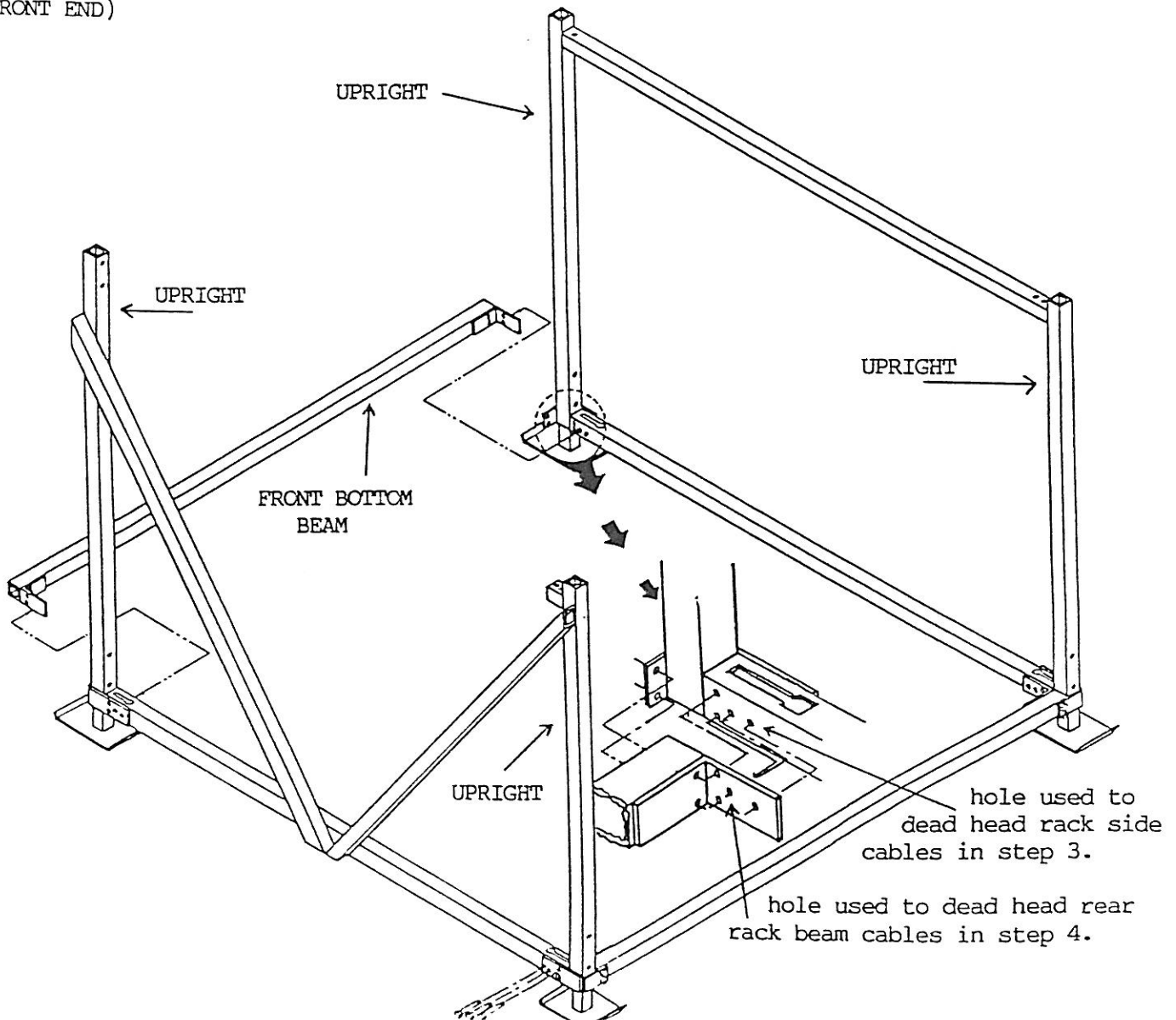
EACH BOTTOM BEAM IS THE SAME SO THEY CAN BE USED ON EITHER THE FRONT OR THE REAR OF THE LIFT. THEY ARE INTERCHANGABLE.

- (1) BOLT THE BOTTOM BEAMS TO THE V-SIDE AND OPPOSITE V-SIDE AS SHOWN. BOLT IN PLACE USING 3/8" X 4" MACHINE BOLTS.

****NOTE****

AT THIS TIME, ONLY BOLT THE BOTTOM BEAMS IN PLACE USING THE (4) HOLES CLOSEST TO THE UPRIGHTS. (SEE INSERT IN STEP 2) YOU WILL UTILIZE THE OTHER (2) HOLES IN EACH CORNER WHEN SECURING THE RACK CABLES IN PLACE.

(FRONT END)

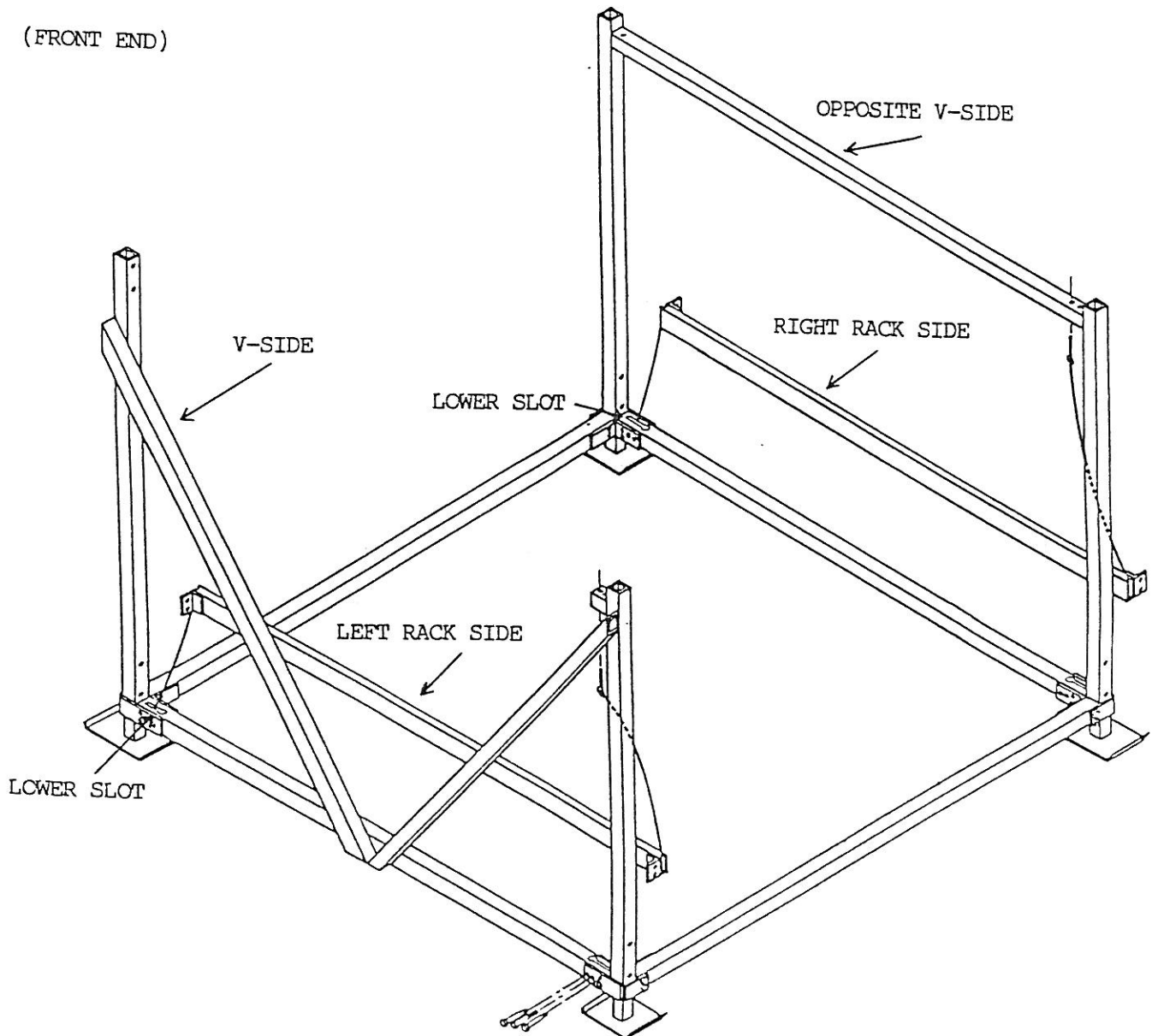


STEP 3

- (1) IN EACH RACK SIDE BEAM THERE IS A CABLE WITH AN I-BOLT ON ONE END AND A LOOP ON THE OTHER. TAKE THE END OF THE CABLES WITH THE LOOP AND INSERT THEM IN THE LOWER SLOT LOCATED NEAR THE FRONT END OF THE V-SIDE AND OPPOSITE V-SIDE. USING THE HOLE THE FURTHEST AWAY FROM THE UPRIGHTS, (SEE INSERT IN STEP 2) INSERT A 3/8" X 4" MACHINE BOLT SO IT GOES THROUGH THE LOOP AND SECURES THE END OF THE CABLE IN PLACE. THEN FINISH CONNECTING THE FRONT BOTTOM BEAM TO THE V-SIDE AND OPPOSITE V-SIDE BY USING 3/8" X 4" MACHINE BOLTS IN THE ONLY HOLES LEFT TO USE IN THE FRONT BOTTOM BEAM.

****NOTE****

LEAVE THE ENDS OF THE CABLES WITH THE I-BOLTS UNATTACHED FOR NOW!!!



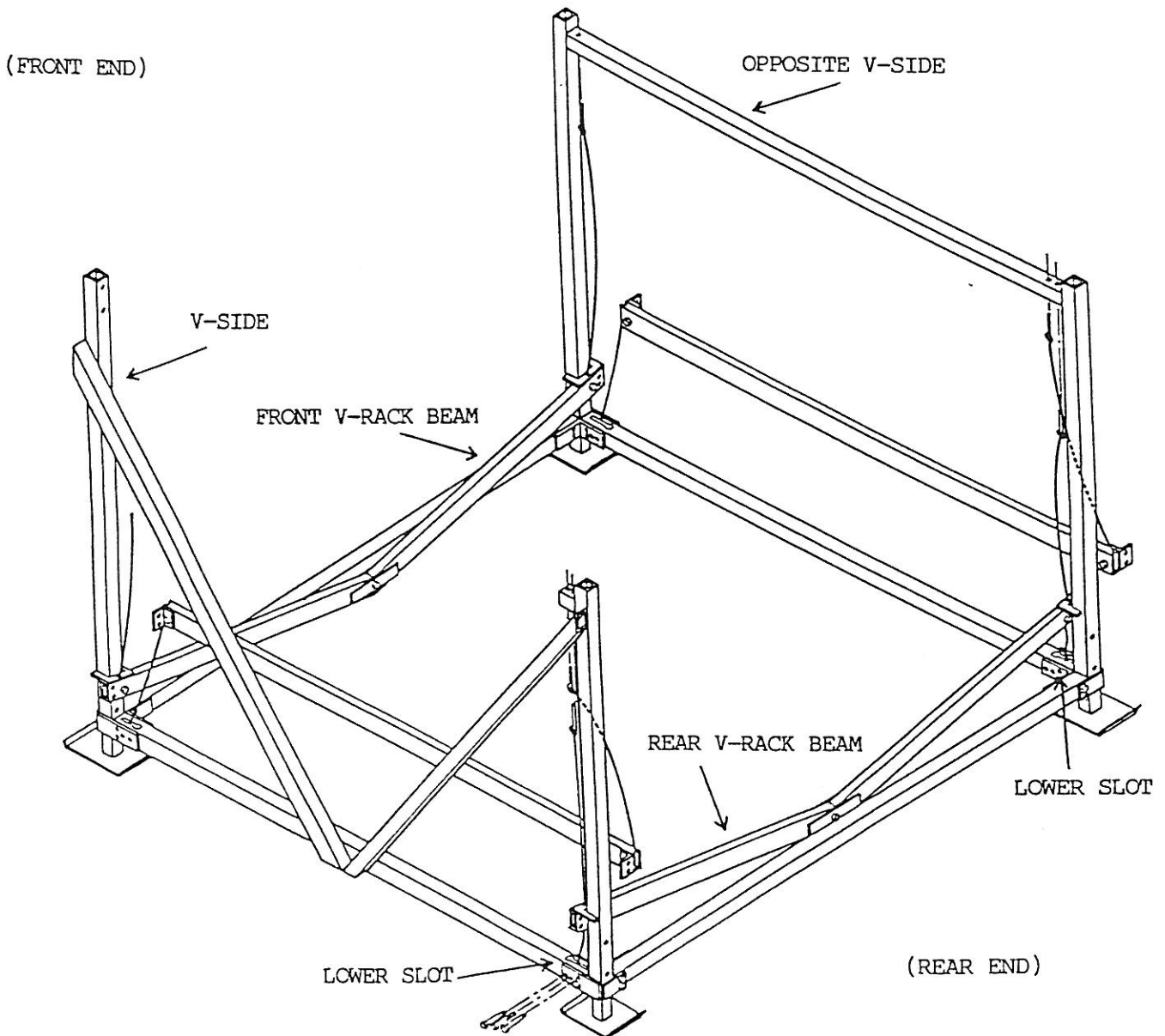
STEP 4

(1) IN THE REAR V-RACK BEAM THERE ARE (2) CABLES. EACH CABLE HAS AN I-BOLT ON ONE END AND A LOOP ON THE OTHER. PLACE THE REAR V-RACK BEAM IN POSITION AS SHOWN AND TAKE THE (2) LOOPED ENDS AND INSERT THEM IN THE LOWER SLOTS LOCATED NEAR THE BACK OF THE V-SIDE AND OPPOSITE V-SIDE. USING THE UNUSED HOLES CLOSEST THE UPRIGHTS, (SEE INSERT IN STEP 2), INSERT $3/8" \times 4"$ MACHINE BOLTS SO THEY GO THROUGH THE LOOPS AND SECURES THE END OF THE CABLES IN PLACE. THEN FINISH CONNECTING THE REAR BOTTOM BEAM TO THE V-SIDE AND OPPOSITE V-SIDE BY USING $3/8" \times 4"$ MACHINE BOLTS IN THE ONLY HOLES LEFT TO USE IN THE REAR BOTTOM BEAM.

(2) PLACE THE FRONT V-RACK BEAM IN POSITION AS SHOWN IN THE DIAGRAM.

****NOTE****

LEAVE THE ENDS OF THE CABLES WITH THE I-BOLTS UNATTACHED FOR NOW!!!



STEP 5

- (1) USING 3/8" X 1" MACHINE BOLTS, ATTACH THE RACK SIDES TO THE FRONT & REAR RACK BEAMS.

right side of front
rack beam

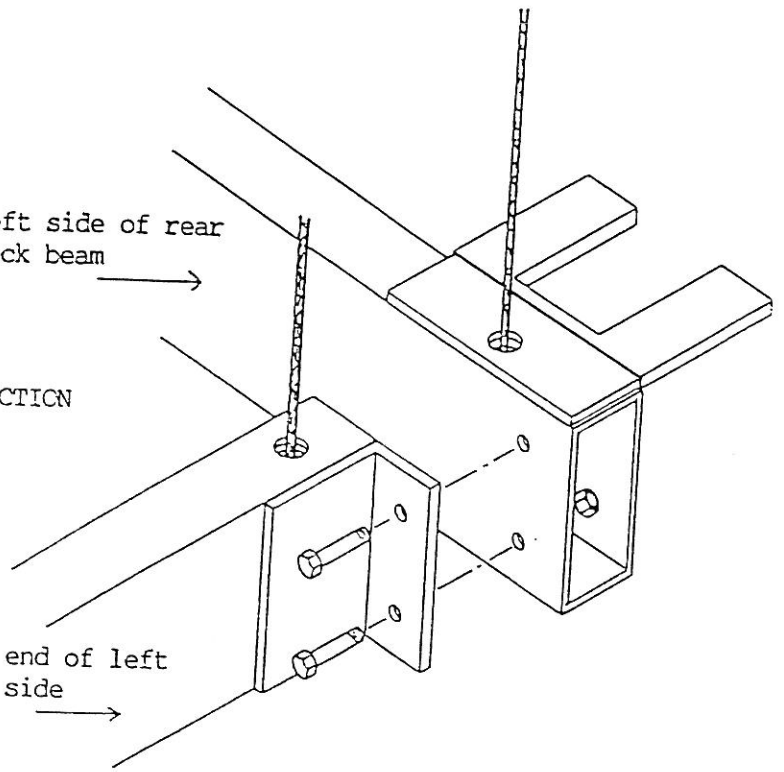
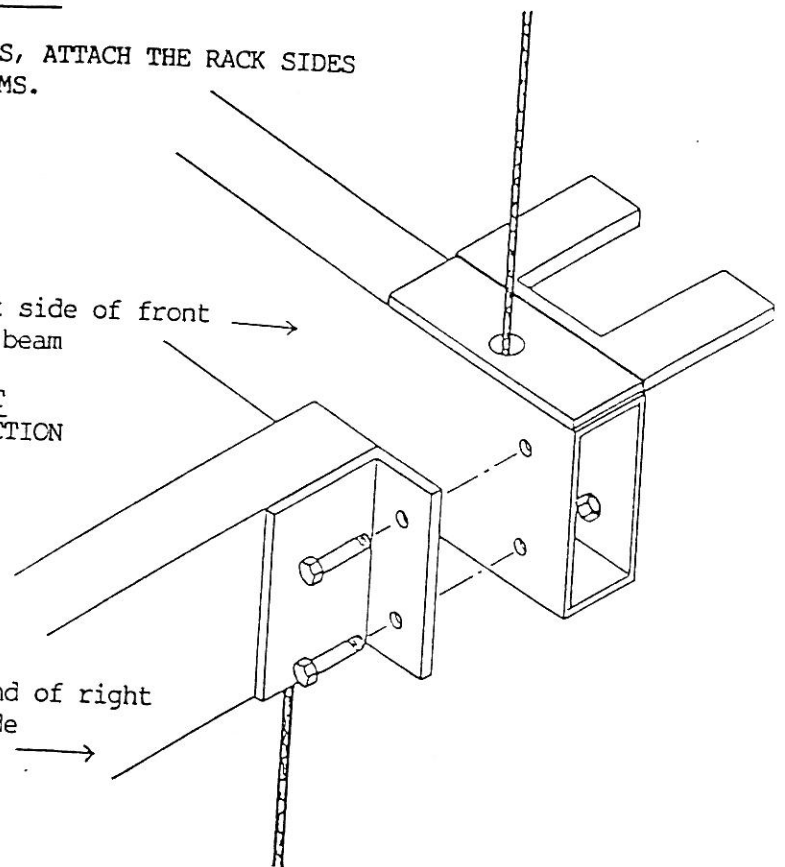
THIS PICTURE SHOWS THE RIGHT FRONT
CONNECTION. THE LEFT FRONT CONNECTION
IS ATTACHED IN THE SAME MANNER.

front end of right
rack side

left side of rear
rack beam

THIS PICTURE SHOWS THE LEFT REAR
CONNECTION. THE RIGHT REAR CONNECTION
IS ATTACHED IN THE SAME MANNER.

rear end of left
rack side



STEP 6

****IMPORTANT****

BE SURE TO SCREW THE NUTS ONTO THE I-BOLTS SO PART OF THE I-BOLT IS STICKING ABOVE THE NUT. YOU DO NOT NEED TO TIGHTEN THESE I-BOLTS DOWN BECAUSE YOU WILL NEED TO USE THESE I-BOLTS TO MAKE ADJUSTMENTS SO YOUR RACK CAN BE AS LEVEL AS POSSIBLE.

****NOTE****

USE WASHERS WITH ALL I-BOLTS!!

rear of right upper
frame brace →

rear upright

****IMPORTANT****

After your boat has been in the lift for a period of time, you may want to adjust your cables again. This is because the lift cables may stretch with use over time. The goal is to keep the rack as level as possible. To adjust the cables you will need to tighten and/or loosen the I-bolts.

I-bolt from
side rack beam →

I-bolt from
rear rack beam

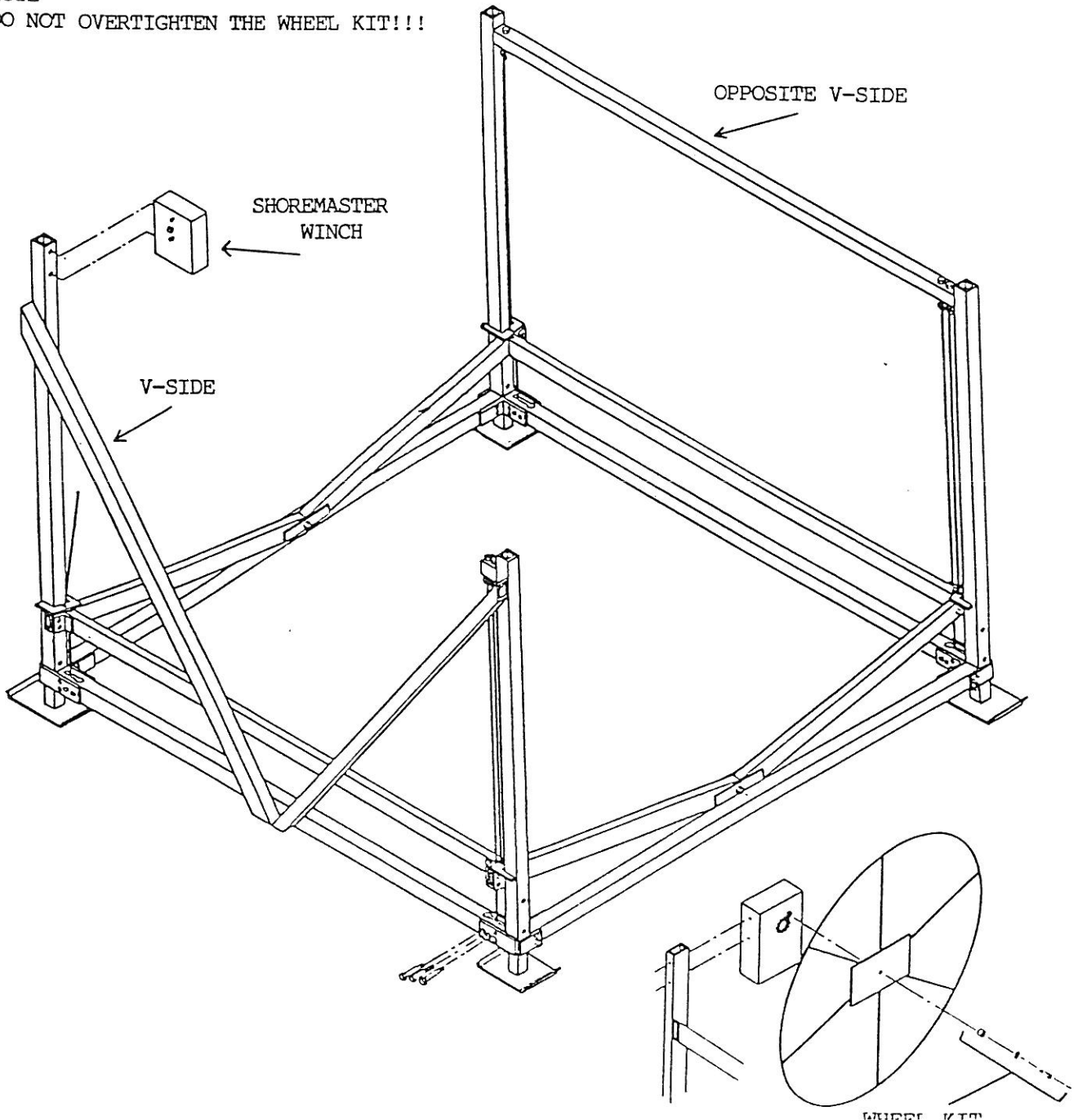
- (1) ATTACH I-BOLTS AS SHOWN. THE CONNECTIONS AT THE REAR OF EACH SIDE WILL UTILIZE (2) I-BOLTS & CABLES.
- (2) THE CONNECTION AT THE FRONT UPRIGHT OPPOSITE WINCH SIDE WILL UTILIZE (1) I-BOLT & CABLE.

CONTINUED FROM STEP 7

- (1) FASTEN THE LIFT CABLE TO THE WINCH HUB. THERE IS AN OPENING IN THE HUB OF THE SHOREMASTER WINCH FOR WHICH TO SLIDE THE CABLE THROUGH AND SECURE BY TIGHTENING THE HEX OR SET SCREW. HOWEVER, DO NOT LET THE END OF THE CABLE TOUCH THE INSIDE OF THE WINCH HOUSING.
- (2) ATTACH THE WINCH TO THE EXTENDED UPRIGHT ON THE V-SIDE USING 3/8" X 4" MACHINE BOLTS & WASHERS. PLEASE MAKE SURE THE WINCH IS AS STRAIGHT UP AND DOWN AS POSSIBLE WHEN SECURING TO THE V-SIDE. CHECK THIS PERIODICALLY TO MAKE SURE THE WINCH HAS NOT MOVED.
- (3) SPIN THE LIFT WHEEL ONTO THE WINCH DRIVESHAFT CLOCKWISE. MAKING SURE THE LIFT WHEEL REMAINS SNUG AGAINST THE BRAKE PADS, ATTACH THE WHEEL KIT TO THE WINCH DRIVESHAFT. THE WHEEL KIT IS USED TO PREVENT YOUR LIFT WHEEL FROM SPINNING OFF THE WINCH DRIVESHAFT. THE WHEEL KIT CONSISTS OF A SPACER, WASHER, AND LOCK BOLT. THE WHEEL KIT CAN BE FOUND IN THE WINCH BOX.

****NOTE****

DO NOT OVERTIGHTEN THE WHEEL KIT!!!

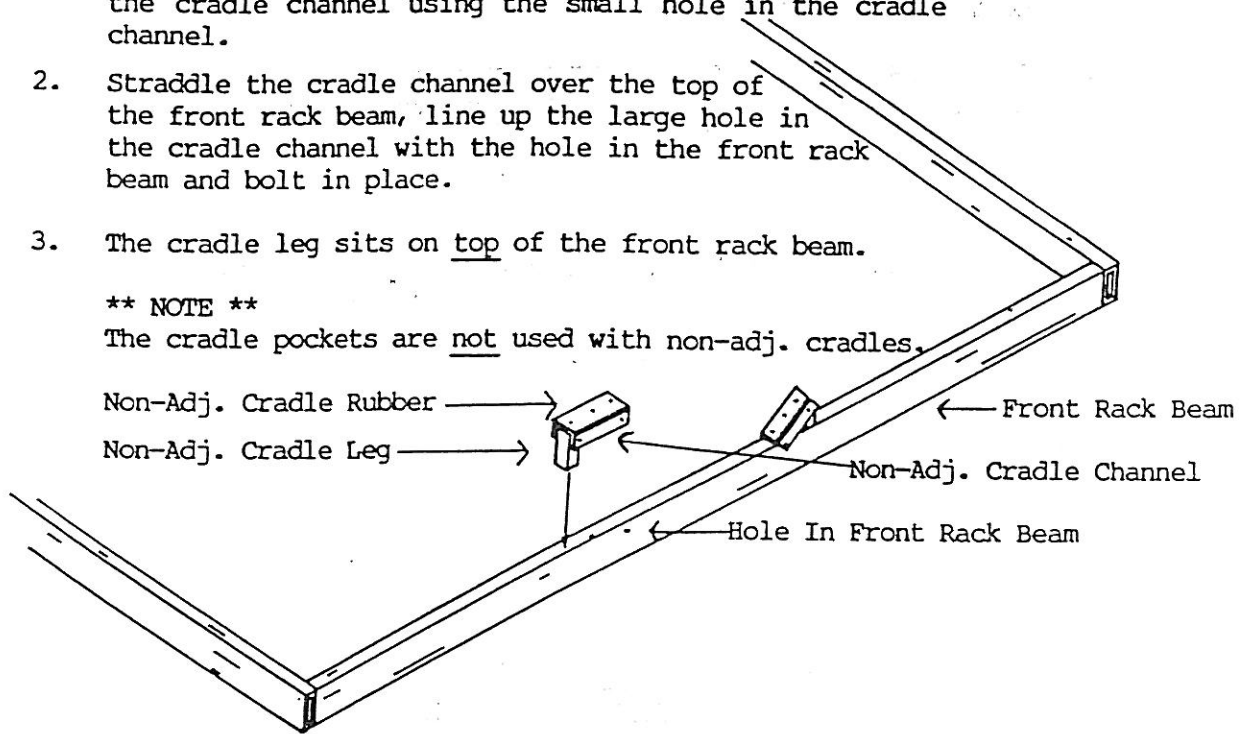


NON-ADJUSTABLE CRADLES

1. Bolt the cradle leg and rubber onto the cradle channel as shown in the picture. NOTE - Bolt the cradle leg to the cradle channel using the small hole in the cradle channel.
2. Straddle the cradle channel over the top of the front rack beam, line up the large hole in the cradle channel with the hole in the front rack beam and bolt in place.
3. The cradle leg sits on top of the front rack beam.

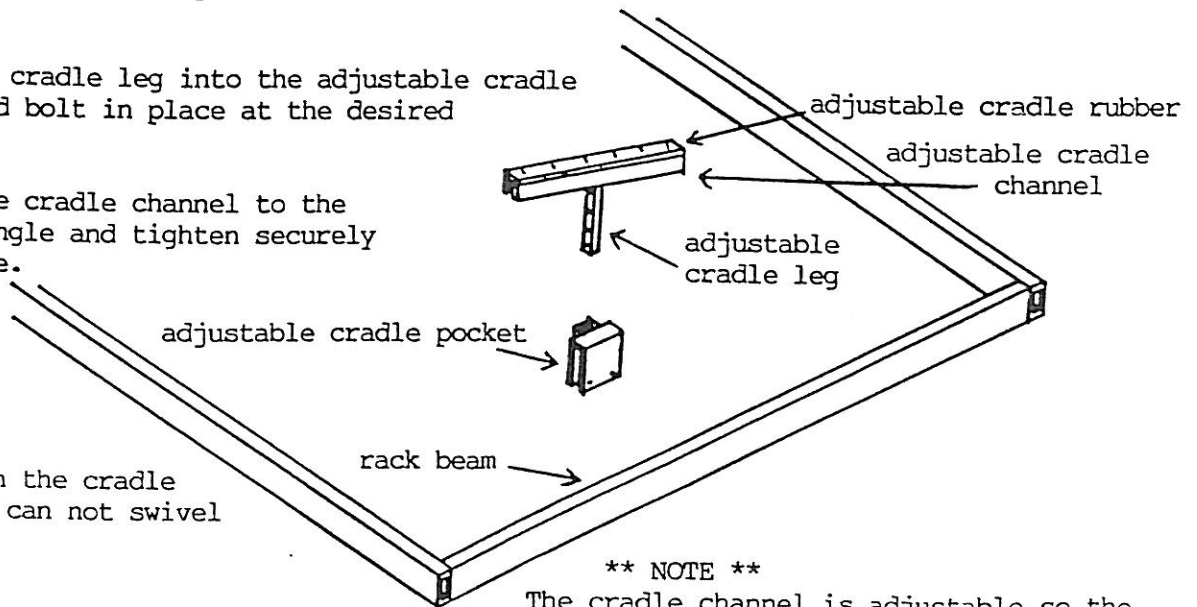
**** NOTE ****

The cradle pockets are not used with non-adj. cradles.



ADJUSTABLE CRADLES

1. Bolt the cradle leg and rubber onto the cradle channel as shown in the picture.
2. Slide the adjustable cradle pocket over the rack beam and bolt in place at the desired location.
3. Lower the cradle leg into the adjustable cradle pocket and bolt in place at the desired height.
4. Adjust the cradle channel to the desired angle and tighten securely into place.



**** CAUTION ****

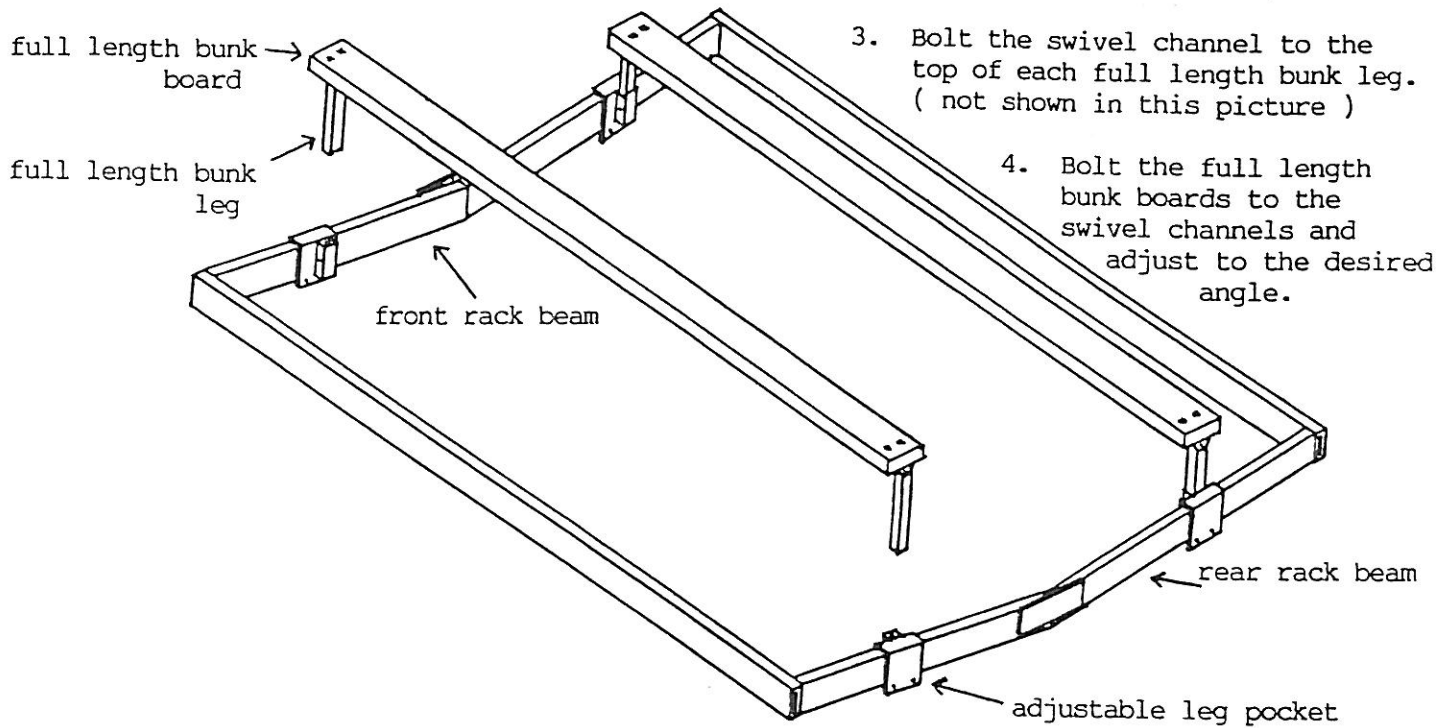
Always tighten the cradle channel so it can not swivel freely.

**** NOTE ****

The cradle channel is adjustable so the adjustable cradle can run either perpendicular or parallel with the boat.

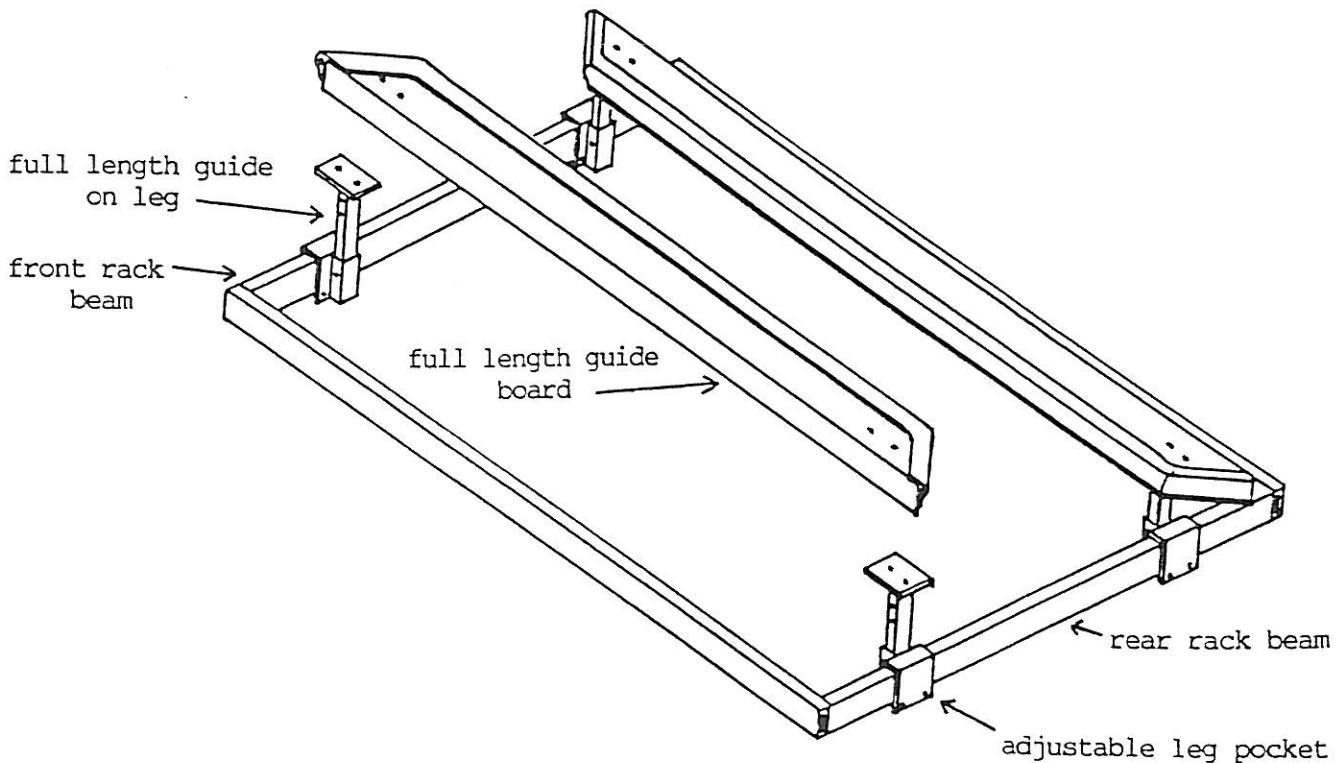
FULL LENGTH BUNKS

1. Bolt the adjustable leg pockets to the front & rear rack beams as shown.
2. Bolt the full length bunk legs to the adjustable leg pockets at the desired height.



FULL LENGTH GUIDE ONS

1. Bolt the adjustable leg pockets to the front & rear rack beams as shown.
2. Bolt the full length guide on legs to the adjustable leg pockets. Adjust the legs to the desired height.
3. Bolt the full length guide on boards to the legs as shown .

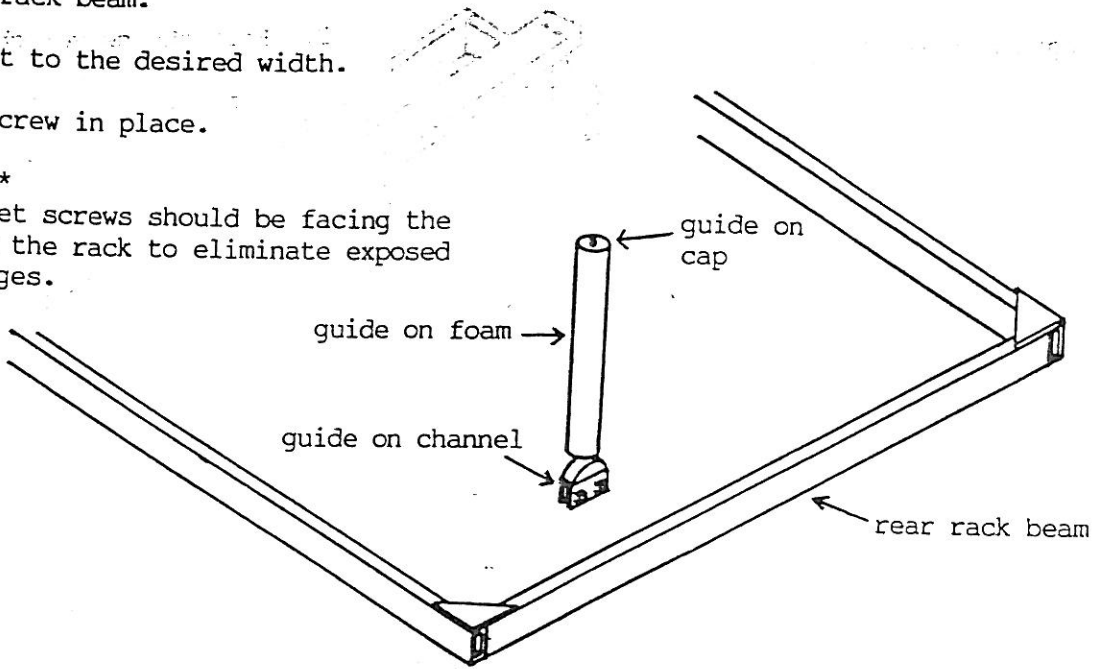


GUIDE ONS

1. Place the guide on channel over the front and/or rear rack beam.
2. Adjust to the desired width.
3. Set screw in place.

**** NOTE ****

All the set screws should be facing the middle of the rack to eliminate exposed jagged edges.

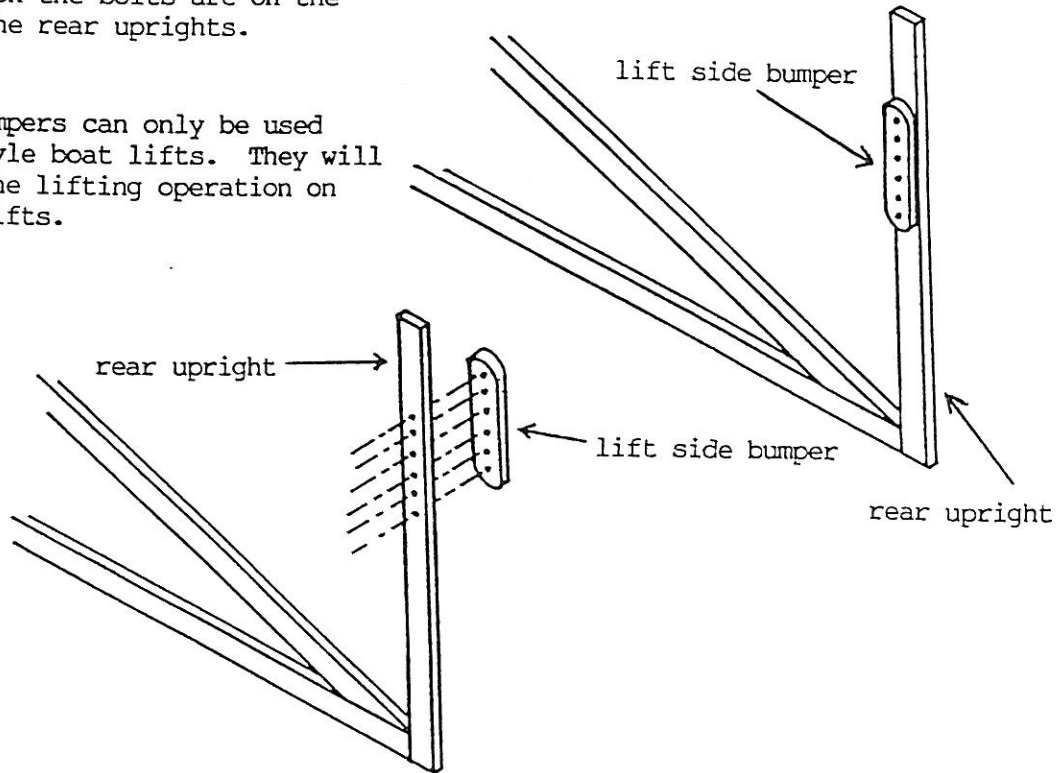


LIFT SIDE BUMPER

1. Place each lift side bumper on the insides of the rear uprights and bolt in place so the nuts on the bolts are on the outside of the rear uprights.

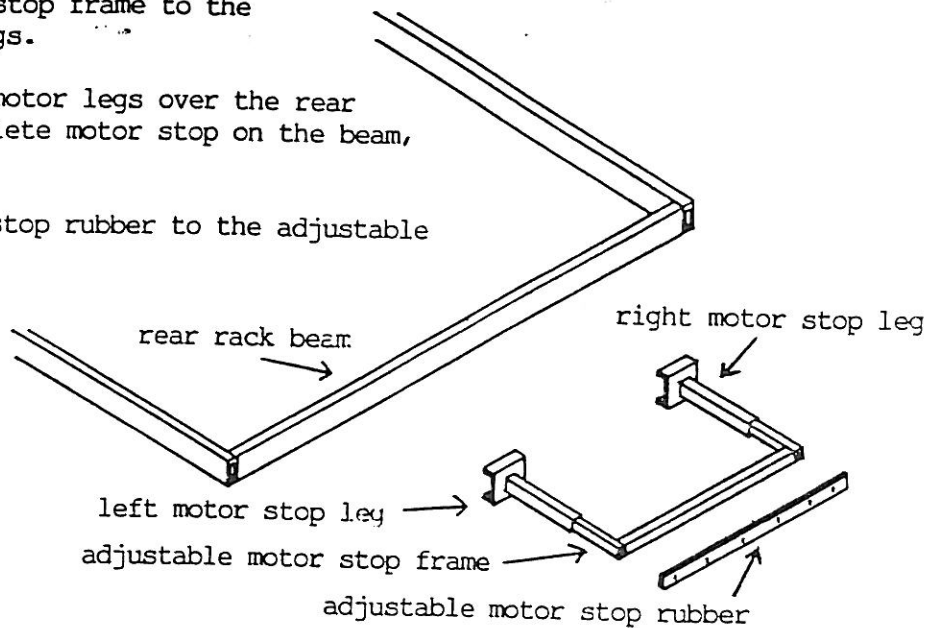
**** note ****

The lift side bumpers can only be used on cantilever style boat lifts. They will interfere with the lifting operation on vertical style lifts.



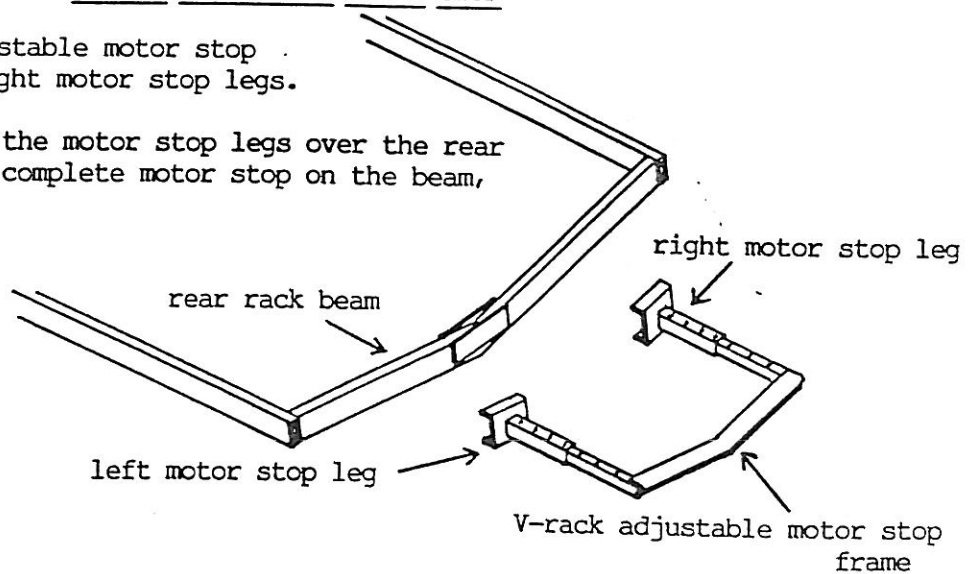
ADJUSTABLE MOTOR STOP

1. Bolt the adjustable motor stop frame to the left & right motor stop legs.
2. Slide the channels on the motor legs over the rear rack beam, center the complete motor stop on the beam, and bolt in place.
3. Bolt the adjustable motor stop rubber to the adjustable motor stop frame.



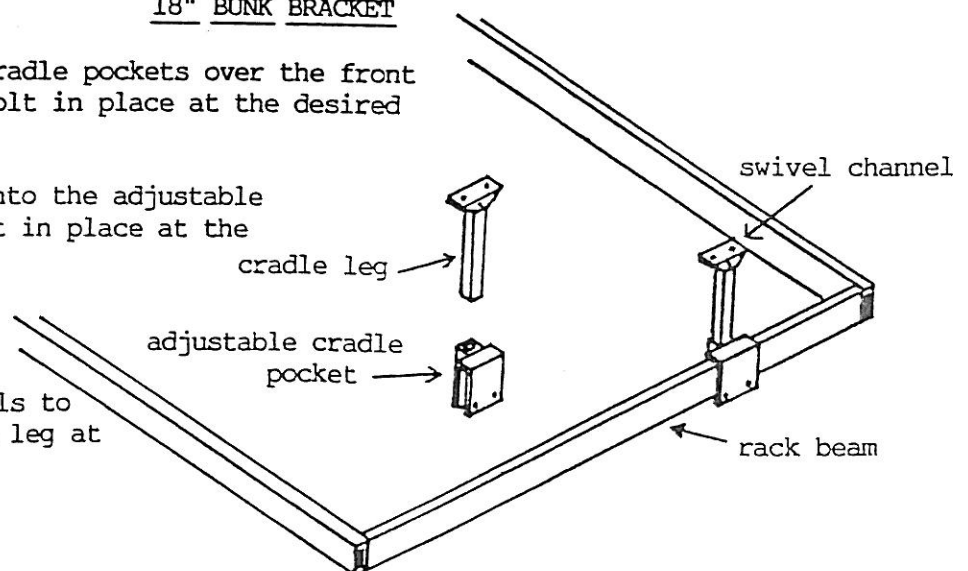
V-RACK ADJUSTABLE MOTOR STOP

1. Bolt the V-rack adjustable motor stop frame to the left & right motor stop legs.
2. Slide the channels on the motor stop legs over the rear rack beam, center the complete motor stop on the beam, and bolt in place.



18" BUNK BRACKET

1. Slide the adjustable cradle pockets over the front & rear rack beam and bolt in place at the desired location.
2. Slide the cradle leg into the adjustable cradle pockets and bolt in place at the desired height.
3. Bolt the swivel channels to the top of each cradle leg at the desired angle.



SHOREMASTER CANOPY ASSEMBLY INSTRUCTIONS

When assembling any product, the proper safety precautions must be observed. Please make sure the during assembly all the parts are on a flat, clean work area to minimize the chance of accidents. Also, DO NOT allow younger children in the area when assembling, installing, and removing the canopy. ALWAYS wear protective eyewear and clothing when assembling, installing, and removing the canopy. REMEMBER, ALWAYS PUT SAFETY FIRST!!!

All Shoremaster canopies have 7 main parts; (2) sides, (2) ends, (4) canopy legs for mounting to the boat lifts and (1) vinyl cover. Also included are (6) aluminum round straps, (18-20) springs and (1) bolt bag.

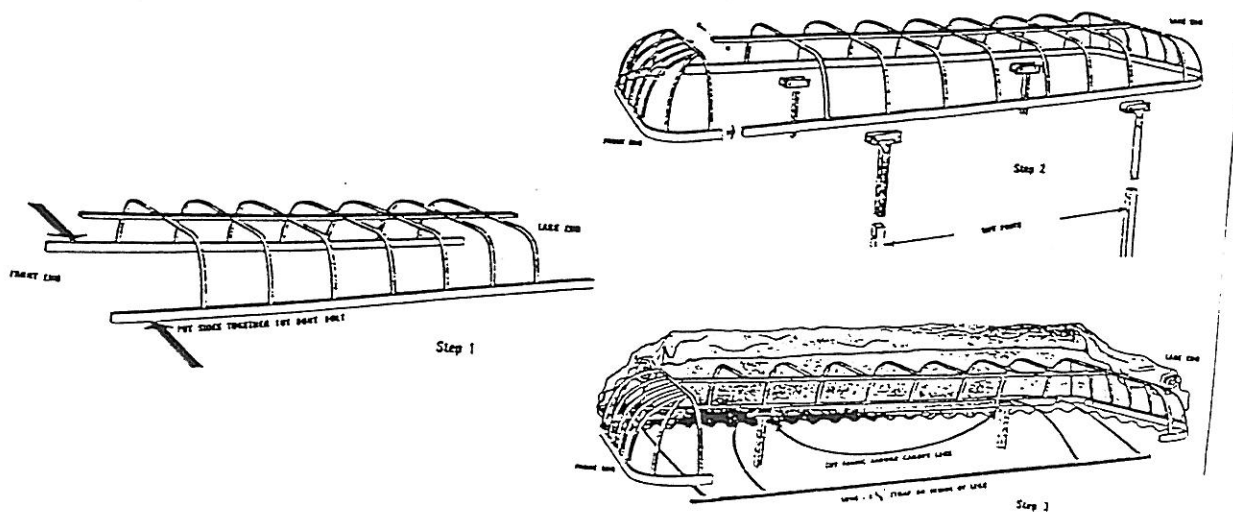
1. To begin assembly, place sides and ends in approximate position. Telescope end pieces into canopy sides. The sides can now be bolted together.
2. Bolt canopy legs to the boat lift by telescoping the canopy legs into the top of the lift uprights.
3. Mount canopy frame on boat lift by placing the canopy frame into the U-shaped channels on top of the canopy legs and bolt into place.
4. Place vinyl cover over canopy frame. The cover will fit snug. It is recommended that the weather be reasonably warm when placing the vinyl on the canopy frame.
5. The vinyl cover is secured to the canopy frame by the following method.
 - 1.) Two slits should be cut into the flap in the bottom of the vinyl cover on each side of the (4) legs that connect the canopy frame to the lift.
 - 2.) The aluminum round straps are telescoped into the flaps in the bottom of the vinyl cover.
 - 3.) The springs attach to the round straps and ribs or bows on the canopy frame.
 - 4.) This will insure a snug and uniform fit.

****NOTE****

PLEASE BE CAREFUL WHEN INSTALLING AND REMOVING THE CANOPY SPRINGS. THERE WILL BE TENSION IN THE SPRINGS WHEN YOU INSTALL AND REMOVE THEM. IF A SPRING WERE TO SLIP FOR ANY REASON, PERSONAL INJURY MAY RESULT. PLEASE OBSERVE ALL SAFETY PRECAUTIONS TO AVOID ACCIDENTS.

CANOPY SAFETY PRECAUTIONS & MAINTENANCE

- 1) When assembling any product, the proper safety precautions must be observed. Please make sure that during assembly all the parts are on a flat, clean work area to minimize the chance of accidents. Also, DO NOT allow younger children in the area when assembling, installing, and removing the canopy. ALWAYS wear protective eyewear and clothing when assembling, installing, and removing the canopy. REMEMBER, ALWAYS PUT SAFETY FIRST!!!
- 2) Canopy frames are not designed to support excess weight. Always remove vinyl covers during inactive winter months, especially in areas with snowfall!!
- 3) Remove the vinyl cover when taking the lift out of the water for any reason (winter storage, repair, etc.) or if the boat is out of the lift for an extended period of time. Not doing so could result in wind damage to canopy, lift, dock, and surrounding area.
- 4) When storing your vinyl during the inactive season, please make sure the vinyl is dry before folding and storing. Also, please store the vinyl in a warm, dry location to assure longer life.
- 5) Do not use chemicals to clean the vinyl cover. Use soft soap and water. Contact ShoreMaster Fabric Division to obtain further information on cleaning.

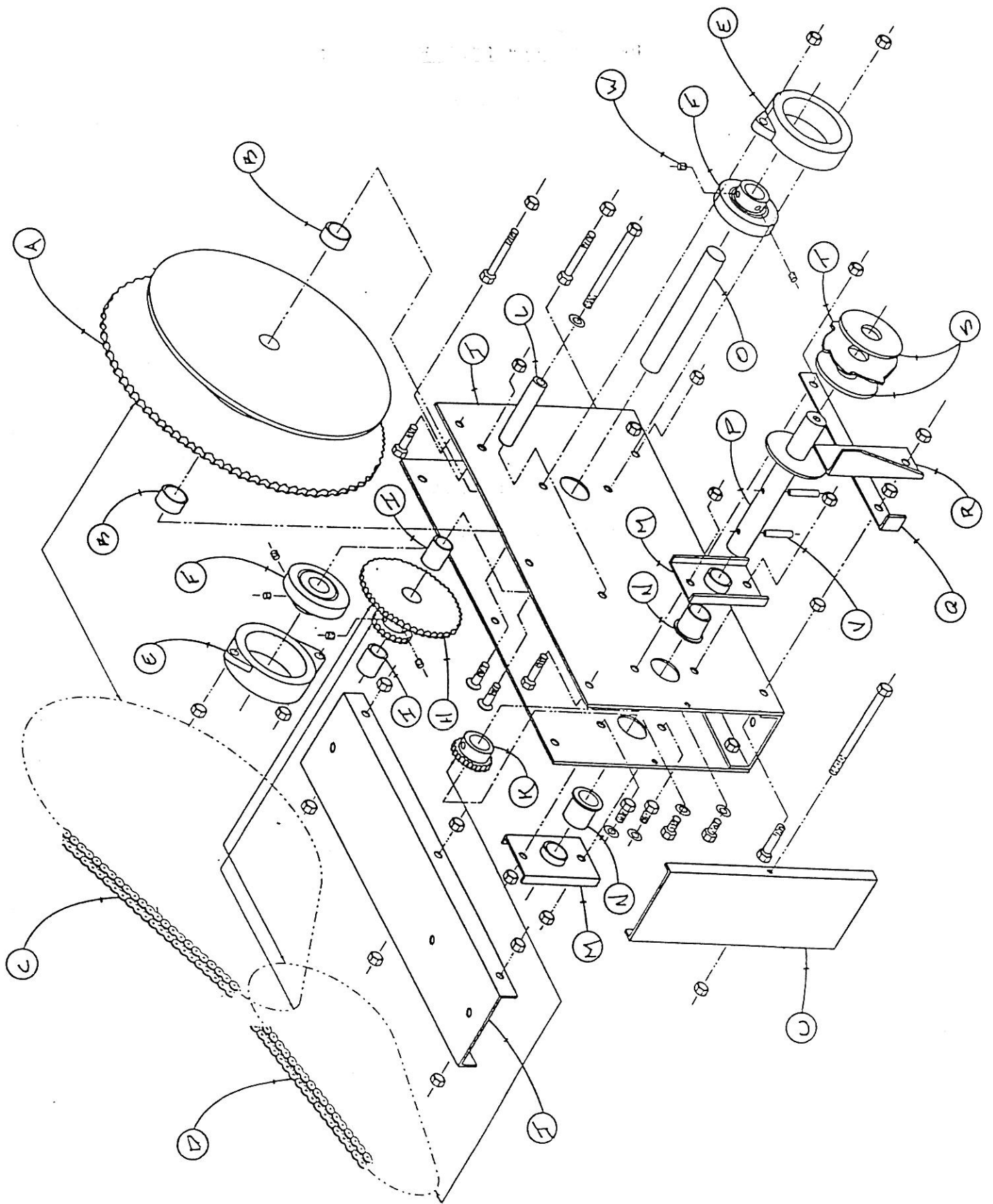


ELECTRIC POWER UNIT SAFETY

** WARNING **

1. ALWAYS turn off MAIN POWER SUPPLY when moving, swimming, or working on or around the lift.
2. It is recommended that power be shut off and/or motor unplugged when not in use to preserve the life of the motor. This will also prevent unauthorized use of the motor and lift.
3. Proper care should be exercised in regard to wires which are exposed to wave or wind oscillations. If wires are exposed, appear worn, or are weathered, turn off the MAIN POWER SUPPLY and get the unit repaired immediately. Kinks or breaks in wire could occur, resulting in SERIOUS INJURY OR DEATH!!!
4. It is recommended that an electrician do the installation and final inspection of this electric power unit. If at any time the unit is not operating properly, shut down the MAIN POWER SUPPLY and have it inspected by authorized service personnel.
5. NOT COMPLYING WITH THE ABOVE RECOMMENDATIONS MAY INVALIDATE THE WARRANTY OR RESULT IN PERSONAL INJURY OR DEATH.
6. When operating the electric power unit, make sure the winch driveshaft is turning clockwise when lifting the boat up out of the water and that the ratchet pawl is making a clicking sound. This will allow the winch to break properly.
7. If you have any questions concerning the installation, operation, or safety precautions of your electric power unit, please call ShoreMaster at 1-800-328-8945.

***** GREASE WINCH DRIVESHAFT THREADS AND CHAINS AT LEAST TWICE A YEAR!! PREFERABLY EACH FALL BEFORE STORAGE AND EACH SPRING BEFORE USE. *****



"NEW" SHOREMASTER WINCH PARTS

effective date 1-20-92

<u>LETTER</u>	<u>PART DESCRIPTION</u>
A	SPROCKET SPOOL
B	SPROCKET SPOOL SPACER
C	CHAIN 40-26
D	CHAIN 40-18
E	3/4" CAST FLANGE
F	3/4" BALL BEARING & LOCKING COLLAR
H	SPROCKET 40B30
I	OILITE BUSHING
J	WINCH FRAME
K	SPROCKET 40B12
L	COUNTER SHAFT
M	DRIVESHAFT MOUNTING PLATE
N	DRIVESHAFT OILITE BUSHINGS
O	SPOOL SHAFT
P	MAIN DRIVESHAFT
Q	RATCHET PAWL SAFETY BAR
R	RATCHET PAWL
S	BRAKE PADS
T	RATCHET WHEEL
U	WINCH COVER
V	ROLL PINS
W	SET SCREWS