

**LUNMAR INSTALLATION GUIDE**  
**7500# SLING KIT AND CRADLE KIT**  
**READ ALL INSTRUCTIONS BEFORE STARTING**

**PARTS LISTS**

**LUNMAR 7500# CRADLE KIT**

2--AMS 3000 GEARBOXES  
4-102L STRAP BEARINGS  
8--108 BEARING BRACKETS  
2--9' GALV BEAMS W/ END PLATES  
4-CABLE GUIDE POSTS  
4--560 PULLEYS  
4-1/2 SHACKLES  
8--1/4 CABLE CLAMPS  
4--1/4 X 25 GALV CABLES  
8--1/2X1 1/2 BOLTS  
8-CHOCK BRACKETS  
8--1/2 X 5 BOLTS/NUTS/LOCKS/FLATS  
8-3/8 X 4 GALVANIZED CARRIAGE BOLTS  
4--3/16 CABLE CLAMPS

**LUNMAR 7500# SLING KIT**

2--AMS 3000 GEARBOXES  
4-102L STRAP BEARINGS  
8--108 BEARING BRACKETS  
4--560 PULLEYS  
8--1/4 CABLE CLAMPS  
4--1/4 X 25 GALV CABLES  
2--4 X 14 NYLON SLINGS  
4--3/16 CABLE CLAMPS  
8--1/2X1 1/2 BOLTS

**ADDITIONAL PARTS REQUIRED**

2-2" GALVANIZED PIPE SCHEDULE 40 (21 JOINT USUALLY)  
8- 1/2 BOLTS--measure thickness fo wood beam and add 1"(for bolting 108 to beam)  
2--1/2 BOLTS--measure thickness of wood beam and add 1"(for bolting 401 to beam)  
20-WIRE STAPLES--for tacking power cord to beam and down post  
4--6'x 2" thin wall pvc pipe (for guide post)  
2--3X10X16 TREATED BUNK BOARDS  
2-6"X17' STRIPS OF CARPET  
1- MONEL STAPLES

**INSTALLATION INSTRUCTIONS**

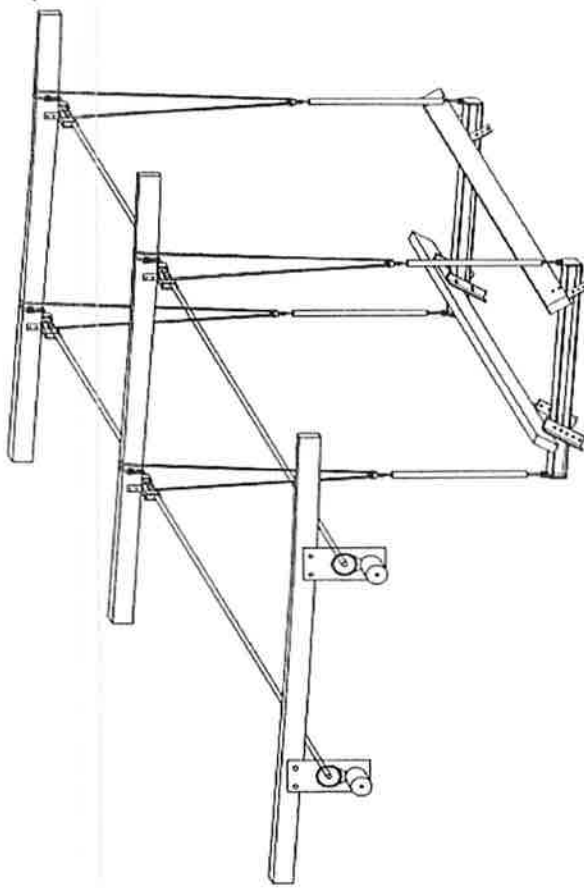
- 1) CHECK AND MAKE SURE ALL PARTS ARE IN BOX BEFORE DELIVERY DRIVER LEAVES
- 2) CONNECT 102L TO 108 BRACKETS WITH SUPPLIED BOLTS
- 3) SLIDE 102L ASSEMBLIES ON 2" PIPE
- 4) TIE ROPE ON EACH END OF PIPE AND HOIST UP TO LOCATION AND LEVEL(PIPE SHOULD BE 4'6" FROM CENTER RUNNING PARALELL WITH THE BOAT AND THE 102 ASSEMBLIES SHOULD BE LINED UP READY TO ATTACH TO THE CROSS MEMBERS AT THE LOCATION WHERE YOU WANT THE CABLES TO COME OFF THE PIPE)
- 5) MARK HOLES THROUGH 108 ONTO BEAM AND DRILL
- 6) BOLT 102 ASSEMBLIES TO BEAM MAKING SURE PIPE IS LEVEL

- 7) INSTALL 2ND PIPE 102 AND 108 ASSEMBLY ON OPPOSITE SIDE 4'6" FROM CENTER
- 8) INSTALL ELECTRIC MOTORS ON GEAR PLATES
- 9) SLIDE GEARBOX ASSEMBLY ON PIPE MARK HOLES MAKING SURE PIPE IS RIDING LEVEL IN THE 102 ASSEMBLY(GEARBOX CAN BE TURNED ANY DIRECTION AS LONG AS 2 BOLTS ATTACH GEARBOX TO BEAM)
- 10) DRILL HOLES AND BOLT GEARBOX TO BEAM
- 11) DRILL 1/2 HOLE THROUGH PIPE
- 12) DRILL 5/16 HOLE THROUGH PIPE BETWEEN 102 ASSEMBLY AT THE END CLOSEST TO THE GEARBOX ASSEMBLY
- 13) RUN CABLE INTO THE HOLE AND PUSH OUT THE END OF THE PIPE; ATTACH CABLE CLAMP AND PULL CABLE AND CLAMP INTO PIPE UNTIL CLAMP IS ALL THE WAY IN.
- 14) RUN THE LOOSE END OF THE CABLE THROUGH THE 560S SNATCH BLOCK AND WRAP THE LOOSE END OF CABLE AROUND BEAM ABOVE FOR DEAD MAN; USE 2- CABLE CLAMPS ON EACH CABLE
- 15) ATTACH ONE END THE 6' CABLE GUIDE POST TO THE 560 PULLEY
- 16) ATTACH THE OTHER END TO CRADLE BEAM WITH SHACKLE
- 17) BOLT EACH GEARBOX TO EACH PIPE WITH SUPPLIED BOLTS
- 18) MAKE SURE 2" PIPE WILL TURN FREELY BY HAND BEFORE MOUNTING GEARBOX.
- 19) WITH THE BEAMS HANGING IN THE WATER TURN ON BOTH WINCHES AND LEVEL USING CONTROLS AND ADJUSTING THE CABLE AT THE DEAD END
- 20) ATTACH THE CHOCK BRACKETS BY USING THE BOLTS SUPPLIED TO CLAMP AROUND THE BEAM DO NOT TIGHTEN
- 21) BOLT THE TWO BUNK BOARDS TO THE CHOCK BRACKETS
- 22) MEASURE THE DISTANCE OF THE BUNK BOARDS ON THE BOAT TRAILER AND ADJUST THE BOAT LIFT BUNK BOARDS TO MATCH

**NOTE\*\*\*\*MOST DEEP V BOATS ADJUST THE AFT BUNK BOARD AT 60" APART AND THE FRONT BUNKS AT 56" APART\*\*\*\***

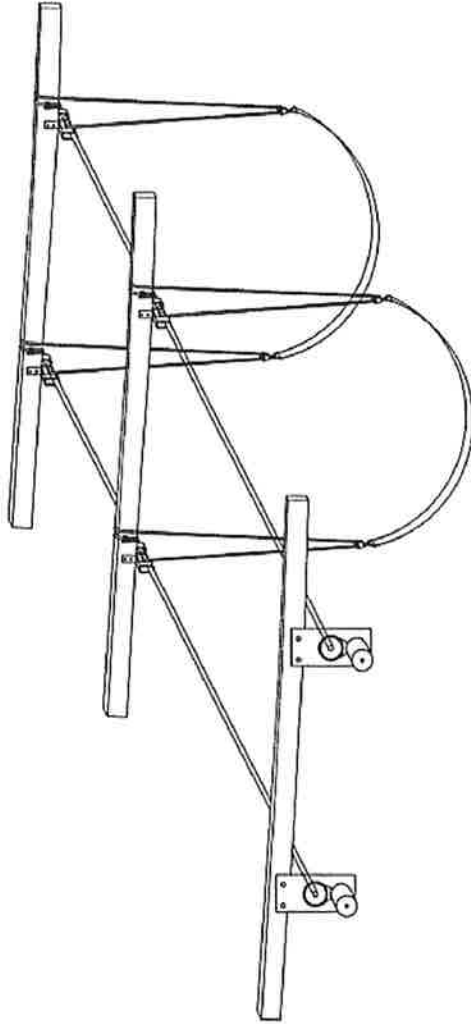
**NOTE\*\*\*\*ON CATAMARAN AND PONTOON BOATS LAY THE BOARDS FLAT AND BOLT DIRECTLY TO BEAM USING CARRIAGE BOLTS WHERE THE HEAD RECESSES INTO THE WOOD. DO NOT USE THE CHOCK BRACKETS**

- 23) LOWER LIFT ALL THE WAY DOWN AND RAISE TO THE UPPER LIMIT. MAKE SURE CABLE WRAPS IN AN EVEN CONSISTANT WRAP WITH OUT STACKING.
- 24) LOWER LIFT AND DRIVE BOAT INTO SLIP; RAISE LIFT UNTIL IT START TO PICK UP; MAKE SURE BOAT IS POSITIONED OVER THE TWO BEAMS THE SAME AS IF YOU WERE PICKING THE BOAT UP WITH SLINGS. MAKE SURE THE BOAT IS RESTING ON BUNK BOARDS AND NOT HITTING THE CRADLE BEAM.
- 25) GREASE 102LS AND GEARBOXES ON A REGULAR BASIS



# LUNMAR, 7500CL

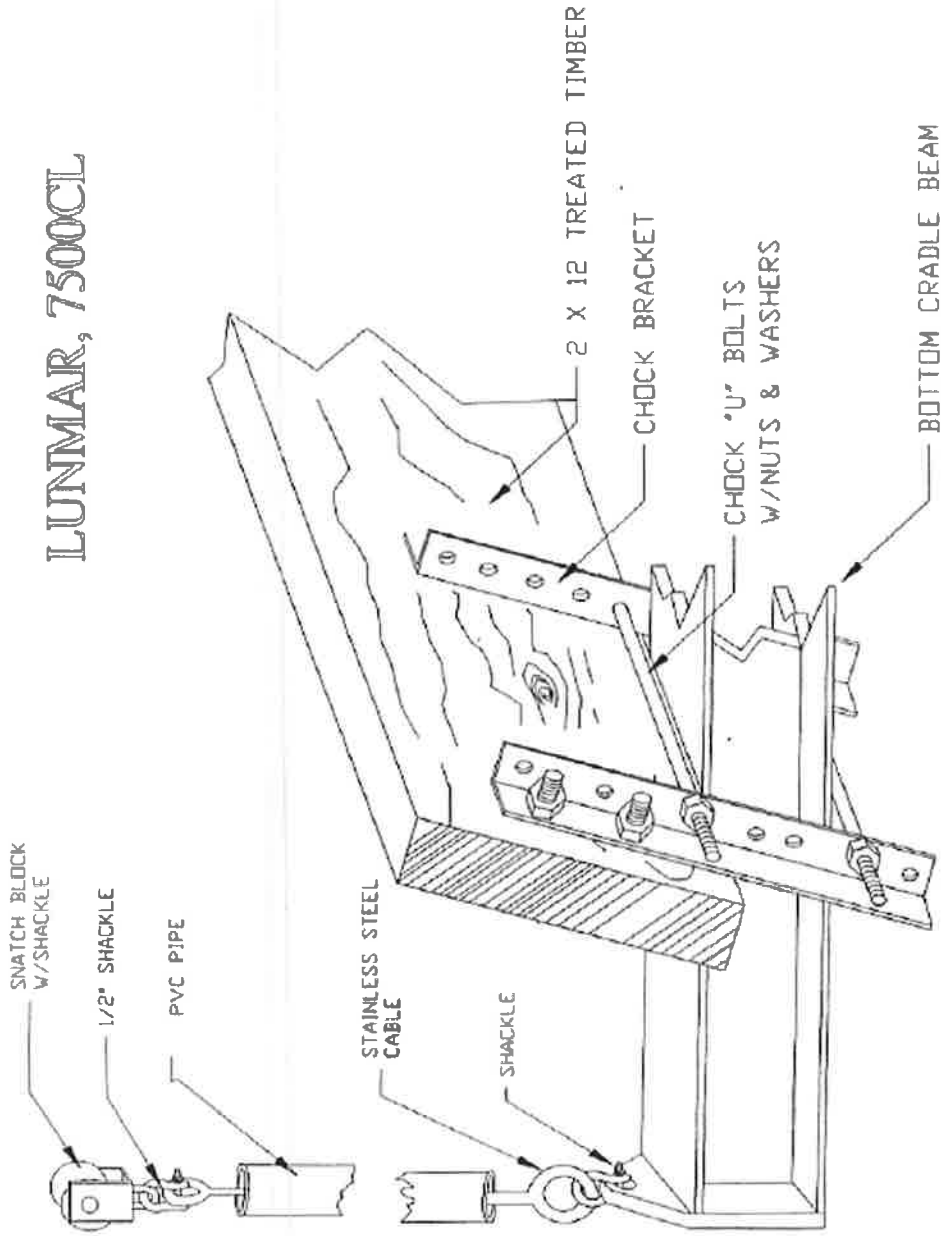
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<p><b>LUNMAR, INC.</b> MARINE SERVICES &amp; SUPPLY 1-800-965-8544</p>								
<p><b>LUNMAR</b> BOAT LIFTS</p>								
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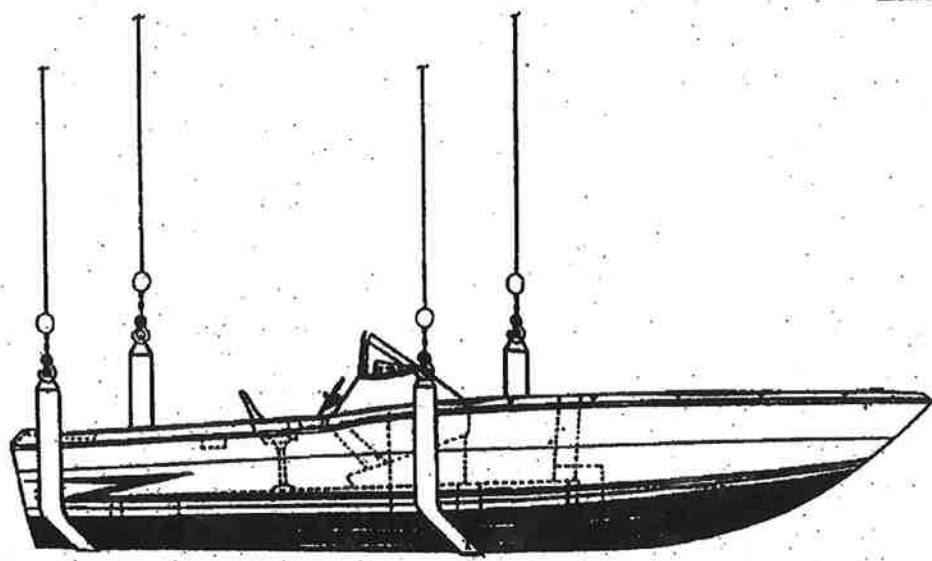
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<p><b>LUNNIMAR</b> BOAT LIFTS</p>		

# LUNMAR, 7500CL



LUNMAR, INC. MAKING SERVICES & SUPPLY 1-800-965-8544		LUNMAR BOAT LIFTS	

NO. I-502



FOR OPTIMUM PERFORMANCE :

EQUAL WEIGHT DISTRIBUTION IS REQUIRED ON ALL 4 CABLES.

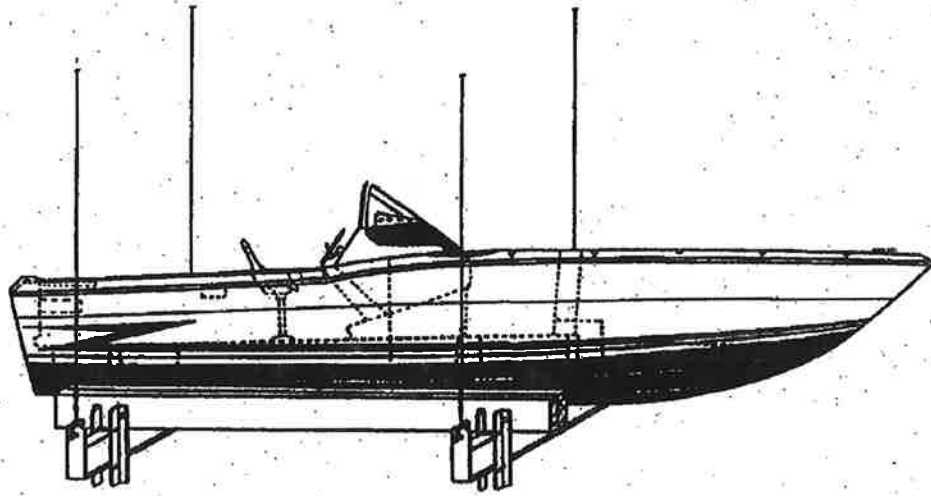
4-POINT SLING HOIST.

TO OBTAIN EQUAL WEIGHT DISTRIBUTION:

- 1. USE BALANCE POINT OF BOAT.
- 2. DO NOT USE CENTER OF BOAT LENGTH.

INSTRUCTIONS FOR WEIGHT DISTRIBUTION  
 SCALE NONE  
 NO. I-502

NO. I-503



FOR OPTIMUM PERFORMANCE :

EQUAL WEIGHT DISTRIBUTION IS REQUIRED ON ALL 4 CABLES.

4-POINT CRADLE HOIST

TO OBTAIN EQUAL WEIGHT DISTRIBUTION:

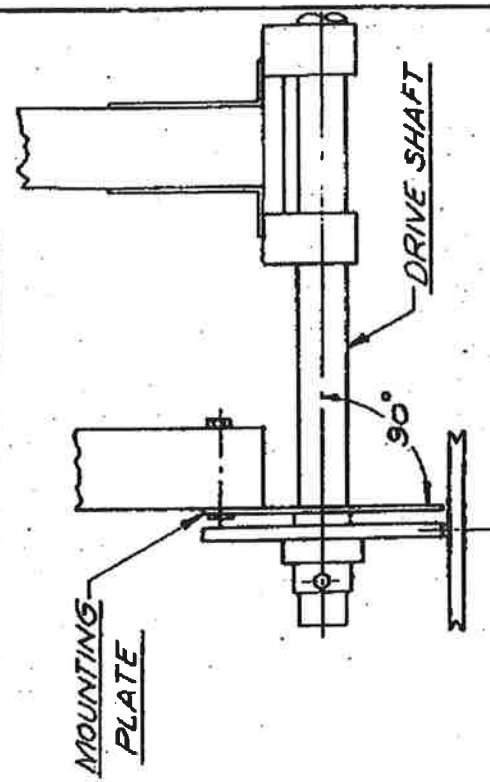
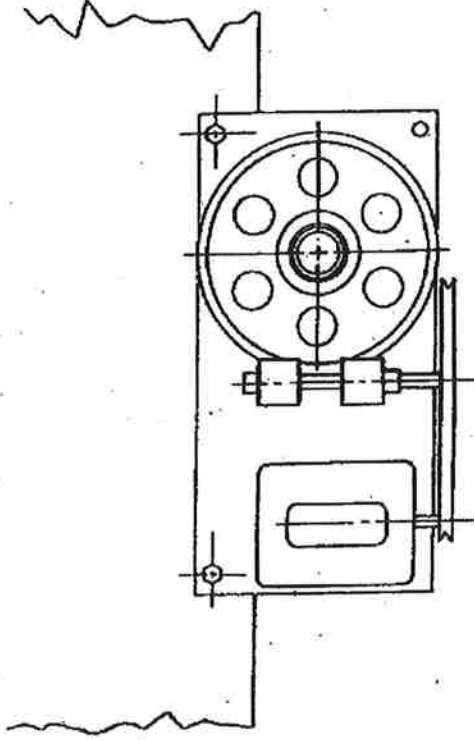
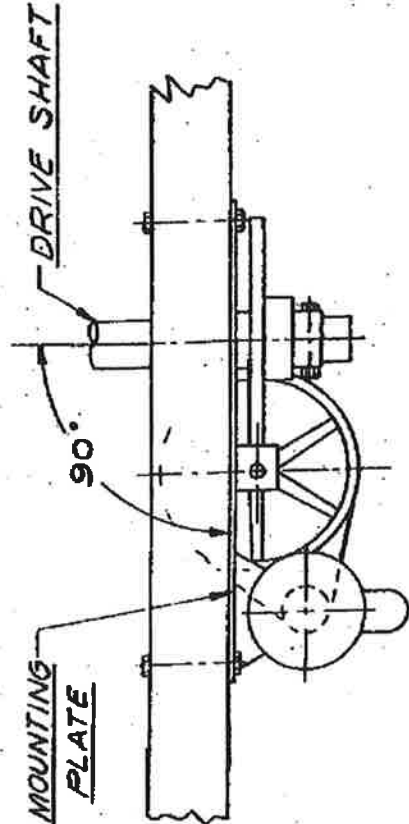
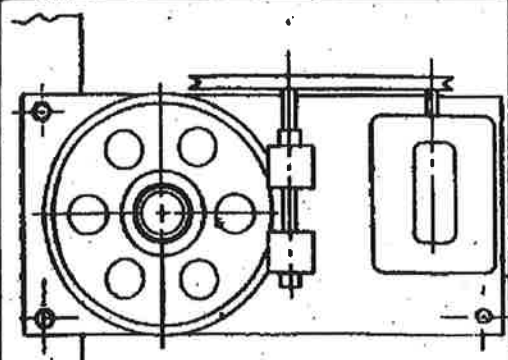
- 1. USE BALANCE POINT OF BOAT.
- 2. DO NOT USE CENTER OF BOAT LENGTH

INSTRUCTIONS FOR WEIGHT DISTRIBUTION  
 SCALE NONE  
 NO. I-503

I. D. - 100

ALTERNATE POSITION FOR MOUNTING POWER HOIST

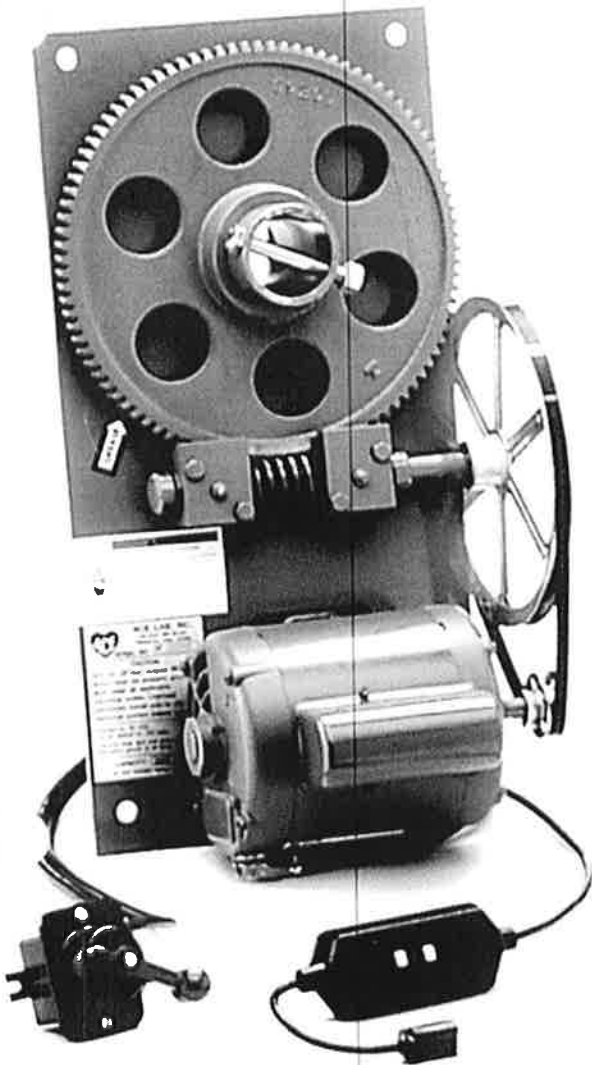
NOTE —  
PLATE MUST BE 90° TO DRIVE SHAFT IN BOTH HORIZONTAL & VERTICAL PLANES. USE SHIMS WHERE REQD



BOAT HOUSE INSTALLATION FOR #401 POWER HOIST  
MOUNTING PLATE MUST BE 90° TO DRIVE SHAFT IN BOTH HORIZONTAL & VERTICAL PLANES. USE SHIMS WHERE REQUIRED.

SCALE: 1/2" = 1'-0"  
NO. I. D. - 100

# Now featuring a Ground Fault Circuit Interrupter for powering boat lift systems with maximum safety!



Made in America of 100% American parts in Pataskala, Ohio, the new Ace 401 Power Hoist is better than ever. The addition of a Ground Fault Circuit Interrupter (GFCI) to the 401 Power Hoist will help prevent shocks from faults in the wiring.

This safety feature is incorporated in all Ace electrically operated boat lift systems. The 401 Power Hoist with GFCI will typically trip within half a second when it detects a 5 milliamp variation in the current.

Designed for use in Ace Davits, Verti-Lifts, Ele-Verts, Boat House installations, Personal Watercraft and Jetboat Lifts, it can also be readily adapted to most other existing lift systems. The quality and reliability of the Ace 401 Power Hoist is indicative of Ace's leadership in the boat hoist industry since 1959.

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## SPECIFICATIONS:

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*Motor:* 3/4 hp, 1725 rpm, capacitor start, 115V @ 11.2 amps/230V @ 5.6 amps, J-56 frame.

*Switch:* UL approved, full contact breaking, reversing type, plastic UV protected mounting box.

*Wire:* Factory pre-wired for 115V, standard with 16' of 16/5 SJTW weatherproof control cable from the switch to the motor and 9' long GFCI-protected 3-prong AC cord.

*Capacity:* 2,800# straight lift (3.5 rpm @ 24" per minute travel), 5,600# compound lift (3.5 rpm @ 12" per minute travel).

*Base Plate:* 24" x 12" x 1/4" cold formed steel.

*Options:*

#101P Hoist Cover (protects motor side of gear plate), includes pulley guard and mounting hardware.

T.E.E.C. Motors (Totally Enclosed Fan Cooled).

Optional lengths of 16/5 control wire available on request.

Momentary Switches.

Optional 401 w/Stainless Steel Plate.