

JS-1400 INSTALLATION MANUAL

MANUAL OPERATION:



2020 Edition

PROVIDED FOR ASSEMBLY

1) CABLE WINCH

1) WINCH MOUNT
BRACKET

1) ROLLER TRACK

2) PULLEY MOUNT
PLATES

1) RETURN PULLEY
SWIVEL ASSEMBLY

1) CARRIAGE ASSEMBLY

1) DOCK/SEAWALL
MOUNT BRACKET

2) Z-TABS

2) CRADLE ARMS

2) ALUMINUM
BUNKS

8) BUNK MOUNTING
BRACKETS

PROVIDED FOR ASSEMBLY

4) NYLON ROLLERS



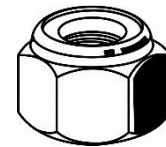
2) 3/4" X 6-1/2"
ROLLER PIN



1) 3/16" X 20'L
STAINLESS CABLE



2) SHEAVES



1) 3/8"

NYLOCK NUT



33) 3/8"

FINISH NUT

4) 1/8" COTTER
PINS



33) 3/8"

LOCK WASHER

3) 3/8" X 1"

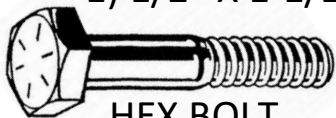
15) 3/8" X 1-1/2"

8) 3/8" X 3-1/2"

8) 3/8" X 4"

1) 1/2" X 1"

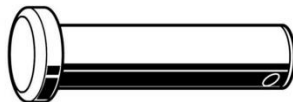
1) 1/2" X 1-1/2"



HEX BOLT

1) 1/2" X 1-1/4"

1) 1/2" X 1-1/2"



CLEVIS PINS

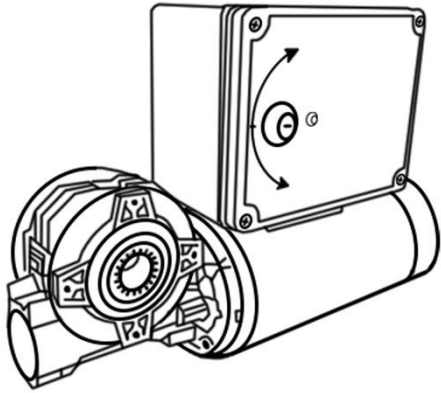


68) 3/8"

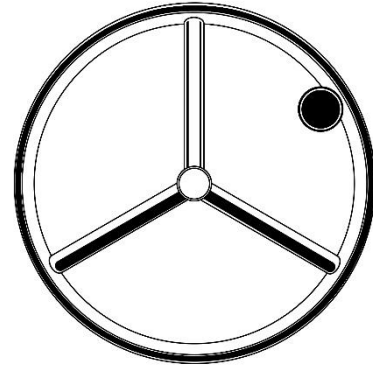
4) 1/2"

FLAT WASHER

OPTIONAL ACCESSORIES



AC/DC MOTOR

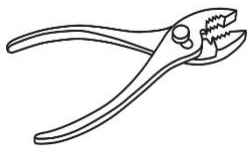


WINCH WHEEL

REQUIRED INSTALLATION TOOLS



9/16" OPEN END BOX WRENCH
3/4" OPEN END BOX WRENCH



PLIERS



3/8" DRIVE RATCHET
1/2" SOCKET
9/16" SOCKET
3/4" SOCKET

General Assembly Instructions

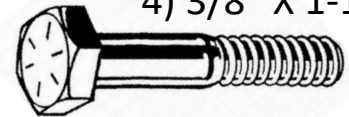
1. **READ** ALL INSTRUCTIONS BEFORE STARTING INSTALLATION.
2. **CHECK** TO SEE IF THE INSTALLATION CREW IS PROPERLY LICENSED, INSURED, AND QUALIFIED. IF THIS IS A FIRST-TIME INSTALLATION, A COMPANY REPRESENTATIVE WILL ASSIST FOR THE INSTALLATION AND INITIAL LIFTING.
3. **CLEAR** A MODERATE AREA OF SPACE TO LAY OUT ALL OF THE COMPONENTS NECESSARY IN CONSTRUCTING THE PRODUCT.

COMPONENTS PROVIDED FOR STEP-1

- 1) CABLE WINCH
- 1) WINCH MOUNT BRACKET
- 1) ROLLER TRACK

3) 3/8" X 1"

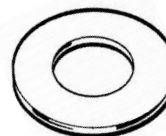
4) 3/8" X 1-1/2"



7) 3/8"



7) 3/8"



14) 3/8"

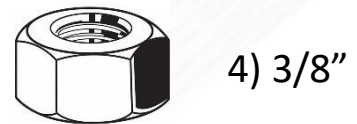
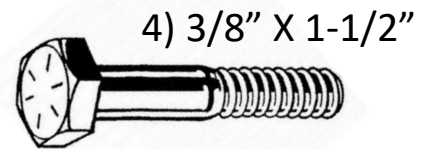
Step 1:

CABLE WINCH INSTALLATION:

1. ALIGN THE THREE HOLES IN THE BOTTOM OF THE CABLE WINCH WITH THE THREE HOLES IN THE WINCH MOUNT BRACKET. SLIP ONE FLAT WASHER OVER EACH OF THE THREE PROVIDED 3/8" X 1" BOLTS AND INSERT THROUGH THE HOLES. SECURELY FASTEN USING THE ACCOMPANYING HARDWARE.
2. NEXT, DETERMINE THE TOP OF THE ROLLER TRACK BY LOCATING THE END WITH MULTIPLE HOLES. WITH THE TRACK LAYING FACE DOWN (**CLOSED FLANGE UP**), ALIGN THE FOUR HOLES IN THE WINCH MOUNT BRACKET WITH THE FOUR HOLES IN THE REAR, TOP PORTION OF THE TRACK. SLIP ONE FLAT WASHER OVER EACH OF THE FOUR PROVIDED 3/8" X 1-1/2" BOLTS AND INSERT THROUGH THE HOLES IN THE WINCH MOUNT BRACKET AND THE TRACK. SECURELY FASTEN USING THE ACCOMPANYING HARDWARE.

COMPONENTS PROVIDED FOR STEP-2

2) PULLEY MOUNT PLATES



Step 2:

TRACK MOUNT PULLEY ASSEMBLY INSTALLATION:

1. FLIP TRACK OVER (**CHANNEL SIDE FACING UP**) AND LOCATE THE FOUR HOLES AT THE TOP OF THE TRACK.
2. USING THE TWO PROVIDED PULLEY MOUNT PLATES, (**ONE WITH WELDED SPACERS, ONE WITHOUT**) SLIDE THE SPACER PLATE INSIDE OF THE CHANNEL (**SPACERS FACING THE INSIDE FLANGE**) AND PLACE THE OTHER PLATE ON THE OUTSIDE OF THE FLANGE, SANDWICHING THE FLANGE BETWEEN THE PLATES. ALIGN THE FOUR HOLES IN BOTH PLATES WITH THE FOUR HOLES IN THE FLANGE. SLIP ONE FLAT WASHER OVER EACH OF THE FOUR PROVIDED 3/8" X 1-1/2" BOLTS AND INSERT THROUGH TRACK AND BOTH PULLEY PLATES. SECURELY FASTEN WITH THE ACCOMPANYING HARDWARE.

COMPONENTS PROVIDED FOR STEP-3

2) 3/4" X 6-1/2"
ROLLER PIN



4) NYLON ROLLERS



2) 1/8" COTTER
PINS



1) RETURN PULLEY
SWIVEL ASSEMBLY

1) CARRIAGE
ASSEMBLY

Step 3:

CARRIAGE ROLLER ASSEMBLY & INSTALLATION:

1. USING ONE OF THE TWO PROVIDED $\frac{3}{4}$ " X 6-1/2" STAINLESS STEEL PINS, INSERT INTO THE TUBE LOCATED IN THE LOWER PORTION OF THE CARRIAGE ASSEMBLY. ALIGN THE CENTER HOLE IN THE PIN WITH THE CENTER HOLE IN THE TUBE AND INSERT ONE OF THE TWO PROVIDED COTTER PINS. SECURE THE COTTER PIN BY SPREADING BOTH PRONGS.
2. USING THE OTHER $\frac{3}{4}$ " X 6-1/2" PIN AND THE CARRIAGE RETURN PULLEY SWIVEL ASSEMBLY, POSITION THE LOWER TUBE OF THE PULLEY ASSEMBLY BETWEEN THE CARRIAGE PLATES AND ALIGN WITH THE HOLES IN THE PLATES. INSERT THE PIN AND ALIGN THE CENTER HOLE WITH THE CENTER HOLE IN THE TUBE. INSERT THE OTHER COTTER PIN AND SECURE BY SPREADING BOTH PRONGS.

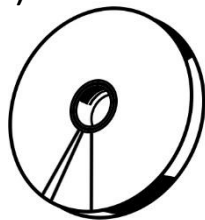
Step 3-1:

CARRIAGE ROLLER ASSEMBLY & INSTALLATION CONTINUED:

3. NEXT, LOCATE THE FOUR NYLON ROLLERS AND SLIP ONE OVER EACH OF THE ENDS OF THE PROTRUDING PINS.
4. WITH THE ROLLER CARRIAGE INHAND, **(AND THE TRACK STILL LAYING CHANNEL SIDE UP)**, INSERT THE TOP ROLLERS **(END WITH PULLEY ASSEMBLY)** INTO THE LOWER PORTION OF THE TRACK **(END OPOSITE THE WINCH)** AND ROLL THE CARRIAGE INTO THE TRACK. CONTINUE THROUGH WITH THE LOWER ROLLERS SO ALL FOUR ROLLERS ARE CAPTURED WITHIN THE TRACK FLANGES.

COMPONENTS PROVIDED FOR STEP-4

2) SHEAVES



1) 3/16" X 20'L
STAINLESS CABLE

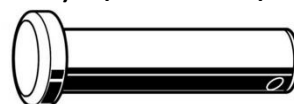


2) 1/8" COTTER
PINS

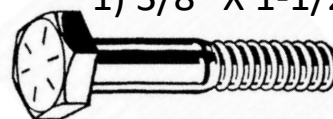


1) 1/2" X 1-1/4"

1) 1/2" X 1-1/2"



1) 3/8" X 1-1/2"



1) 3/8"



2) 3/8"

4) 1/2"

Step 4:

CABLE ROUTING & SHEAVE INSTALLATION:

1. WITH THE PLAIN END OF THE CABLE IN HAND, FEED CABLE THROUGH THE SLOTTED HOLE IN THE SIDE OF THE WINCH DRUM. SLIP THE CABLE UNDER ONE END OF THE CABLE TENSION STOP AND FEED THROUGH APPROXIMATELY 2". BEND THE CABLE 180 DEG. AND INSERT UNDER THE OTHER END OF THE TENSION STOP. **(ALLOW NO MORE THAN 1" OF CABLE TO PROTRUDE BEYOND THE STOP AS IT MAY CAUSE INTERFERENCE).**
2. SINCE THE CABLE LOOP SO THAT IT IS CAPTIVE WITHIN THE LIP OF THE DRUM AND BOTH ENDS ARE SECURED UNDER THE TENSION STOP. TIGHTEN THE NUT ON THE TENSION STOP TO SECURE THE CABLE.

Step 4-1:

CABLE ROUTING & SHEAVE INSTALLATION CONTINUED:

1. WITH THE THIMBLE END OF THE CABLE INHAND, FEED THE CABLE BEHIND THE TRACK MOUNT PULLEY ASSEMBLY AND DOWN TO THE ROLLER CARRIAGE. LAY THE CABLE FLAT IN BETWEEN THE EARS OF THE RETURN PULLEY SWIVEL BRACKET SO THE THIMBLE END OF THE CABLE IS STICKING OUT OF THE RIGHT SIDE OF THE BRACKET.
2. USING ONE OF THE TWO PROVIDED SHEAVES, INSERT SHEAVE INTO PULLEY SWIVEL BRACKET TO CAPTURE THE CABLE BELOW. ALIGN THE HOLE IN THE SHEAVE WITH THE LOWER, LARGER DIAMETER HOLE IN THE BRACKET. SLIP ONE FLAT WASHER OVER THE PROVIDED $\frac{1}{2}$ " X 1-1/4" CLEVIS PIN AND SECURELY FASTEN USING ONE OF THE TWO COTTER PINS BY SPREADING BOTH PRONGS AWAY FROM ONE ANOTHER.

Step 4-2:

CABLE ROUTING & SHEAVE INSTALLATION CONTINUED:

3. AGAIN, WITH THE THIMBLE END OF THE CABLE INHAND, PULL THE CABLE BACK TO THE TOP OF THE TRACK AND FEED BETWEEN THE TRACK MOUNT PULLEY PLATES ON THE RIGHTHAND SIDE. BEND THE CABLE 180 DEG. AND FEED BACK BETWEEN THE PULLEY PLATES ON THE LEFTHAND SIDE, CREATING A LOOP ABOVE THE PLATES.
4. USING THE OTHER PROVIDED SHEAVE, INSERT SHEAVE BETWEEN THE TRACK MOUNT PLATES AND AILGN THE HOLE IN THE SHEAVE WITH THE CENTER HOLE IN THE PLATES. SLIP ONE FLAT WASHER OVER THE PROVIDED ½" X 1-1/2" CLEVIS PIN AND SECURELY FASTEN USING ONE OF THE TWO COTTER PINS BY SPREADING BOTH PRONGS AWAY FROM ONE ANOTHER.

Step 4-3:

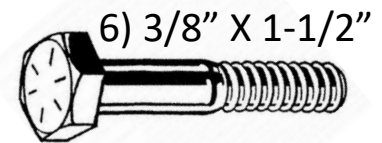
CABLE ROUTING & SHEAVE INSTALLATION CONTINUED:

5. ONCE AGAIN, WITH THE THIMBLE END OF THE CABLE INHAND, PULL THE CABLE BACK TO THE ROLLER CARRIAGE AND INSERT THE THIMBLE BETWEEN THE EARS OF THE RETURN PULLEY SWIVEL BRACKET. ALIGN THE THIMBLE TO ALLOW A BOLT TO PASS THROUGH THE SMALLER DIAMETER HOLE IN THE EARS AND THROUGH THE CENTER OF THE THIMBLE. SLIP ONE FLAT WASHER OVER THE PROVIDED 3/8" X 1-1/2" BOLT AND INSERT INTO THE HOLE. SECURELY FASTEN USING THE ACCOMPANYING HARDWARE MAKING SURE NOT TO OVER TIGHTEN. **(OVER TIGHTENING MAY CAUSE A PINCH POINT ON THE SHEAVE AND NOT ALLOW PROPER OPERATION OF THE LIFT).**

COMPONENTS PROVIDED FOR STEP-5

2) Z-TABS

1) DOCK/SEAWALL
MOUNT BRACKET



6) 3/8"



6) 3/8"



12) 3/8"

Step 5:

TRACK MOUNTING & INSTALLATION:

1. USING THE DOCK/SEAWALL MOUNTING BRACKET, MOUNT THE BRACKET TO THE SURFACE (**HARDWARE NOT SUPPLIED**) SO THE FACE OF THE VERTICAL PLATE (**PLATE WITH SIX HOLES**) IS FLUSH TO THE VERTICAL FACE OF THE MOUNTING SURFACE AND THE TRIANGULAR GUSSETS ARE ON TOP OF THE MOUNTING SURFACE.
2. SLIDE ROLLER CARRIAGE DOWN TO THE BOTTOM OF THE TRACK TO REMOVE ANY SLACK IN THE CABLE. WITH THE ASSEMBLY INTACT, MOVE THE ASSEMBLY TO THE DESIRED MOUNTING LOCATION. (**BE SURE TO REMOVE ANY UNDERWATER OBSTRUCTIONS WHICH MAY INTERFERE WITH TRACK LEVELING AND SEATING**). STAND THE ASSEMBLY VERTICALLY UPRIGHT AND POSITION THE REAR FLANGE OF THE TRACK AGAINST THE VERTICAL FACE OF THE MOUNTING BRACKET.

Step 5-1:

TRACK MOUNTING & INSTALLATION:

3. USING ONE OF THE TWO SUPPLIED Z-TABS, ALIGN THE HOLES IN THE BRACKET WITH THE HOLES IN THE Z-TAB CAPTURING THE FLANGE OF THE TRACK. SLIP ONE FLAT WASHER OVER EACH OF THE THREE SUPPLIED 3/8" X 1-1/2" BOLTS, INSERT INTO THE HOLES AND LOOSELY FASTEN ACCOMPANYING HARDWARE TO ALLOW FOR ADJUSTMENT. REPEAT THIS PROCESS FOR THE OTHER SIDE.
4. NEXT, USE A LEVEL TO ENSURE THAT THE TRACK IS SQUARE AND PLUMB TO THE SURFACE THEN TIGHTEN THE HARDWARE COMPLETELY.

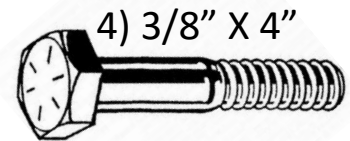
Step 6:

CABLE SPOOLING:

1. WITH THE TRACK AND ROLLER CARRIAGE ASSEMBLY NOW SECURELY MOUNTED IN PLACE, CRANK THE WINCH HANDLE IN A CLOCKWISE ROTATION UNTIL THE ROLLER CARRIAGE HAS RISEN TO THE DESIRED HEIGHT. **(SOME GUIDING OF THE CABLE WITH YOUR HAND MAY BE REQUIRED TO PREVENT CROSSOVER FOR THE INITIAL SPOOLING PROCESS).**

COMPONENTS PROVIDED FOR STEP-7

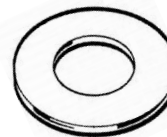
2) CARRIAGE ARMS



4) 3/8"



4) 3/8"



8) 3/8"

Step 7:

CRADLE ARM INSTALLATION:

1. TAKE ONE OF THE TWO PROVIDED CRADLE ARMS AND SLIDE IT OVER EITHER SIDE OF THE SUPPORT TUBES PROTRUDING OUTWARD FROM THE ROLLER CARRIAGE ASSEMBLY. **(ORIENTATION IS A NON-FACTOR AS CRADLE ARMS ARE AMBIDEXTROUS)**. ALIGN THE HOLES IN THE CRADLE ARM TUBE WITH THE HOLES IN THE SUPPORT TUBES. SLIP ONE FLAT WASHER OVER TWO OF THE FOUR SUPPLIED 3/8" X 4" BOLTS AND INSERT THROUGH THE HOLES IN THE CRADLE ARM TUBE AND SUPPORT TUBES. SECURELY FASTEN THE ACCOMPANYING HARDWARE. REPEAT THIS PROCESS FOR THE OTHER CRADLE ARM.

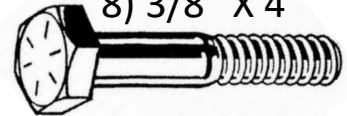
COMPONENTS PROVIDED FOR STEP-8

2) 6'L ALUMINUM
BUNKS

8) BUNK BRACKETS

8) 3/8" X 3-1/2"

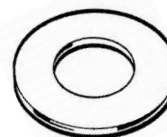
8) 3/8" X 4"



16) 3/8"



16) 3/8"



32) 3/8"

Step 8:

BUNK INSTALLATION:

1. LOCATE THE EIGHT BUNK BRACKETS AND PAIR THEM TOGETHER, ONE LEFTHAND BRACKET WITH ONE RIGHTHAND. POSITION THE BRACKETS SO THAT THE SIDES WITH TWO HOLES ARE FACING ONE ANOTHER AND THE SIDES WITH ONE HOLE ARE FACING AWAY FROM ONE ANOTHER.
2. USING FOUR OF THE EIGHT SUPPLIED 3/8" X 3-1/2" BOLTS AND HARDWARE, SLIP ONE FLATWASHER OVER EACH BOLT, ALIGN THE HOLES IN THE BRACKETS AND INSERT ONE BOLT THROUGH THE TOP HOLE OF EACH BRACKET SET. **(TOP HOLE IS THE ONE CLOSEST TO THE HOLES IN THE OPPOSING LEG OF THE BRACKET)**. LOOSELY FASTEN WITH THE ACCOMPANYING HARDWARE.

Step 8-1:

BUNK INSTALLATION CONTINUED:

3. NEXT, SPREAD THE BRACKETS APART AND ALIGN THE HOLES IN THE OPPOSING LEG WITH THE PREDRILLED HOLES ON THE OUTSIDE OF THE BUNKS. (**“OUTSIDE” IS THE TALLER SIDE OF THE BUNK**). USING THE SUPPLIED 3/8” X 4” BOLTS AND HARDWARE, SLIP ONE FLATWASHER OVER EACH BOLT, INSERT THROUGH THE BRACKET, THEN THE BUNK AND SECURELY FASTEN WITH THE ACCOMPANYING HARDWARE. REPEAT THIS PROCESS UNTIL ALL FOUR PAIRS ARE ATTACHED TO THE BUNKS. (**IF WOOD BUNKS ARE BEING INSTALLED, IT IS THE RESPONSABILITY OF THE INSTALLER TO DRILL MOUNTING HOLES IN THE BUNKS**).

Step 8-2:

BUNK INSTALLATION CONTINUED:

4. WITH THE CRADLE ARMS SECURELY MOUNTED IN PLACE, ATTACH THE BUNKS TO THE ARMS BY SLIPING THE BRACKETS OVER THE ARMS, ALLOWING THE BOTTOM OF THE BUNKS TO REST ON THE ARMS.
5. POSITION THE BUNKS PER THE MANUFACTURER SPECIFICATIONS. ONCE BUNKS ARE IN POSITION, SLIP ONE FLAT WASHER OVER EACH OF THE REMAINING 3/8" X 3-1/2" BOLTS AND INSERT THROUGH THE LOWER HOLES IN THE BRACKETS. SECURELY FASTEN USING THE ACCOMPANYING HARDWARE.

GOLDEN BOAT LIFTS® WARRANTY

1. THIS WARRANTY COVERS:

A. Boat Lifts purchased or used for personal, family, or household purposes, Golden Manufacturing Inc. (the “company”), warrants the structural integrity of the aluminum cradle beams and top beams of our 4 & 8 post boat lifts for a period of 15 years (excluding the Runabout series), elevator and PWC lifts 5 year warranty (excluding the EC Elevator series) from date of delivery by seller to the original purchaser of the property where the lift was installed as set forth in the order form. All lifts equipped with our 12 Volt DC solar powered package have a 1 year warranty on all solar components from date of purchase.

B. The company further expressly warrants that lifts purchased for personal, family, or household purposes shall be free from any manufacturer’s defects in material or workmanship for a period of 2 years. The Sea-Drive has a 10 year limited warranty, and the Hefty Hoist Flat Plate has a 5 year limited warranty, provided Annual Service is performed and records are kept by a trained Golden Boat Lift service technician. Our underwater tracks and hardware are warranted for 1 year from defects in material and/or workmanship. On the Golden Boat Lifts Gatorvator’s, Elevators, PWC, and Single track lifts with tracks in the water require *Sacrificial anodes be maintained, and an electrical disconnect, including neutral and ground be installed and disconnected when the boat lift is not in use. Or a galvanic isolator properly connected between the electric source and boat lift on the grounding wire. If not the warranty will be null and void. Under no circumstances will the warranty coverage extend to damage caused by electrolysis.



C. The runabout series will be warranted for a one year period from the date of delivery by seller to the original purchaser this includes the electric motor and controls. The runabout series has a 5 year structural warranty. The EC line of Elevators will be warranted for a one year period from the date of delivery by the seller to the original purchaser, this includes the electric motor and controls. The Structure will be warranted for a period of 2 years. The Underwater tracks will be warranted for a period of one year. Under no circumstances will the warranty coverage extend to damage caused by electrolysis .

D. The kayak Launch will be warranted from factory defects for a one-year period from the date of purchase by seller to the original purchaser. Under NO CIRCUMSTANCES will the warranty coverage extend to damage caused by improper installation or use.

2. WHAT IS NOT COVERED BY THIS WARRANTY:

A. The company makes no implied warranties with respect to lifts purchased for commercial purposes.

B. All repairs after the applicable warranty period are the Owner's responsibility.

C. Damage that is not the company's fault such as but not limited to: damage caused by accidents, hurricanes, tropical storms, high winds, high water or tides, any acts of God, misuse, over loading, negligence, alteration, modification or abusive operation, is NOT covered by this limited warranty.

D. Damage which is caused by improper product selection, improper installation, failure to follow applicable installation and maintenance recommendations, or failure to follow applicable instructions or warnings is not covered by this limited warranty.

E. All routine maintenance and periodic service is the Owner's responsibility and is not covered by this limited warranty.

F. Boat lifts that were overloaded or weight was not centered, causing structural, gear or cable failure will not be covered by the Limited Warranty

3. WARRANTY DISCLAIMERS:

A. With respect to product purchased or used for commercial purposes, the company makes no express warranties or implied warranty of merchantability or fitness for any particular purpose.

B. Any applicable implied warranty, including any applicable warranty of merchantability or fitness for a particular purpose, is limited in duration to 2 years from the date of delivery from the seller.

C. The company makes no express warranties regarding its products except as stated herein. No agent, employee, or representative of the company has authority to bind the company to an affirmation, representation, or warranty concerning the company's products except as stated herein.

4. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

5. WARRANTY LIMITATIONS:

- A.** The Owner's remedies under this limited warranty are limited exclusively to repair or replacement of components, which fail due to manufacturer's defects in materials or workmanship during normal operations.
- B.** The Company shall not be responsible for incidental or consequential damages, included, but not limited to, damages to property, loss of use, lost profits, or expenses for inconvenience.
- C.** Some states do not allow the exclusions or limitation of incidental or consequential damage, so the limitations or exclusions may not apply to you.

6. THE COMPANY'S RESPONSIBILITIES:

- A.** The Company agrees to provide all necessary parts and materials only (no labor) to correct any warranted defect providing written notice is received by the Company within the applicable warranty period.

7. THE OWNER'S RESPONSIBILITIES:

- A.** It is the responsibility of owner to ensure that each product is fit for its intended purpose and that the conditions it will be used in are suitable.
- B.** The Boat Lift Cradles must remain completely out of the water when the boat lift is not in use.
- C.** The product may require periodic maintenance, which is not covered by warranty. While the seller may be equipped to handle your service needs, periodic maintenance may be performed by anyone qualified to do so.
- D.** A reasonable time for repairs must be allowed.

8. IF YOU HAVE QUESTIONS OR PROBLEMS:

Should the Owner encounter a problem, which might be, recovered by this limited warranty, the Owner must contact the Company in writing within the applicable warranty period. The company's address for receipt of notice is: Golden Manufacturing, Inc., 17611 East Street, North Fort Myers, Florida, 33917.

The owner should provide the following information in its written notice: The type of product purchased, the purchase date, serial number, event dates, dealer names, the problem or question, and any other comments.

This warranty gives you specific rights and you may also have other rights, which vary from state to state.