



SUMMIT MARINE CABLE LIFT INSTRUCTIONS
Models SMCL17096 Pontoon Series and V Hull

Fall 2009 Document CL090-923

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- (4) 3.25" Posts
- Base Beams (4) Base Beams (1) Upper Spreader
- Bed Beams (4) Bed Beams and (1) Winch Side Spreader
- (1) Wheel
- (4) Carpeted Bunks
- Box – Hardware, which contains the following items:
 - Winch
 - (4) Feet
 - (4) Legs 18"
 - (1) Cable Mounting Stub
 - Bunk Supports
 - (4) 1/4 x 3" formed aluminum V plates for Pontoon or (8) 1/4" x 2" plates for V hull
- Bag 1, Base to Posts
 - (16) 3/8 x .75" hex screws
 - (16) 3/8 sq nuts – brass
 - (16) 3/8 washers

- **Bag 2, Leg to Foot**
 (4) 3/8 x 3.5" hex screws
 (4) 3/8 hex nuts - brass

- **Bag 3, Legs to Posts**
 (4) 3/8 x 1.0" hex screws
 (4) 3/8 sq nuts – brass

- **Bag 4, Upper Spreader**
 (4) 3/8 x .75" hex screws
 (4) 3/8 sq nuts – brass
 (4) 3/8 washers

- **Bag 5, Winch Side Spreader**
 (4) 3/8 x 0.5" set screws
 (4) 3/8 sq nuts – brass

- **Bag 6, Winch**
 (2) 3/8 x 0.75" hex screws
 (2) 3/8 sq nuts - brass
 (2) 3/8 washers

- **Bag 7, Cable Retainer Base**
 (4) 3/8 x 2.75" hex screws
 (4) 3/8 hex nuts – brass
 (2) 3/8 washers

- **Bag 8, Winch Cable Mounting Stub**
 (2) 3/8 x 0.75" hex screws
 (2) 3/8 sq nuts - brass
 (2) 3/8 washers

- **Bag 9, Bunk Pontoon**
 (8) 5/16 x 1.5" lag screws – galvanized
 (4) Bunk Bracket Backer Plates
 (8) 3/8 x 4" hex screws
 (8) 3/8 hex nuts – brass

- **OR, Bunk Standard V Hull**
 (12) 3/8 x 2.75 hex screws
 (12) 3/8 hex nuts – brass

- **Bag 10, Wheel Knob**
 (1) Black, steel wheel nut
 (1) Knob
 (2) 3/8 x 1" hex screw
 (2) 3/8 hex nuts – brass
 (1) 3/8 Nylock nut
 (1) 3/8 washer
 (1) 5/16 x 2" hex screw
 (1) 5/16 fender washer

- **Bag 11, Caps – plastic**
 (4) Post Cap – top
 (1) Cable Mounting Stub Cap

Thank you for your vote of confidence in our products. Please take a few minutes to familiarize yourself with these important instructions to correctly assemble your new lift. Following these simple steps will not only save you assembly time but will assure you many years of trouble free service.

NEVER DRIVE BOAT ONTO LIFT WITHOUT THE BUNKS LOW ENOUGH IN THE WATER TO FLOAT THE BOAT OVER THE BUNKS. FRAME DAMAGE MAY OCCURE.

1. With the bunks low enough in the water, slowly drive the boat until the center of gravity of the boat is at the center of the bunks. To determine the center of gravity contact your dealer for your particular make and model. Once this is determined make a note of where this is. Vacate the boat.
2. Turn the wheel to raise the lift until the bunks lift the boat about 1" to stabilize it. Never raise the boat with occupants in the boat. Check for proper lift alignment in relation to the hull. Lower and reposition if necessary. Then crank the wheel to continue to elevate the boat.

Tools Required:

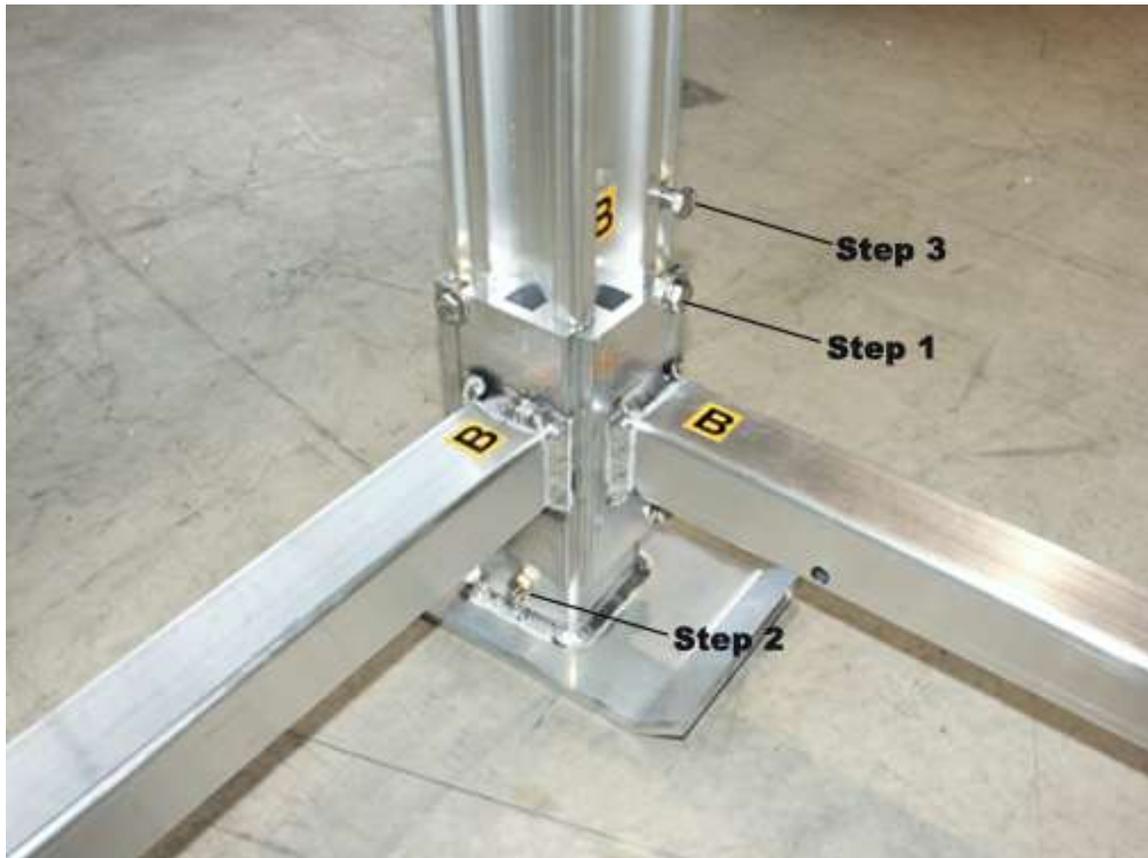
- 1/2" wrench
- 9/16" wrench
- (2) 12" adjustable wrenches
- 5/32" socket head, Allen wrench

Find a level spot to work on, concrete is best, however, grass or sand will work if you have a 2' square piece of plywood to assemble and flush Base parts with. Caution: sand inside the channel parts will impede assembly.

Step 1: Bag 1, Base to Posts

- (4) Corner Posts
- (4) Base Beams
- (16) 3/8 x .75" hex screws
- (16) 3/8 sq nuts – brass
- (16) 3/8 washers

Note each Post, Base Beam and Bed Beams have letter notations, these will all match up when properly assembled. Assemble 1 screw and sq nut then slide up about 8" into channel. Slide Base Beam into the Upright Post as shown noting the letter designation. Assemble screw at the bottom also. Repeat this for all 4 Corner Posts and 16 fasteners. The Base Beams will be flush with the bottom of the corner Post.



Step 2: Bag 2, Leg to Foot

- (4) Feet
- (4) Legs
- (4) 2.5" square tube x 18" long
- (4) 3/8 x 3.5" long SS screws.
- (4) 3/8 brass nuts

Find the (4) 2.5" square tubes with a thru hole at one end, attach the feet to these tubes and slide into the Corner Posts.

Step 3: Bag 3, Leg to Corner Post
(4) 3/8 x 1.0" hex screws
(4) 3/8 sq nuts – brass

Slide the square nut down from the top in the channel and tighten the legs to the Corner Post, as shown in the above photo.

Step 4: Bag 4, Upper Spreader to Corner Posts B-C

(4) 3/8 x .75" hex screws
(4) 3/8 sq nuts – brass
(4) 3/8 washers

Slide 1 screw and sq nut down about 8" for the bottom slot. Slide the spreader into position and fasten a screw at the top and bottom as shown. Flush to the top of the Corner Post.



Step 5: Bag 5, Winch Side Spreader to Posts A-D

(4) 3/8 x .5" set screws

(4) 3/8 sq nuts – brass

Again, slide 1 set screw and sq nut down the Corner Post A and Corner Post D before sliding the Winch Spreader into position. Correct position of this spreader will show the tube on the outside of the lift. This will allow the cables and Bed Beam to clear this tube. This Spreader will sit below the winch at about dock level, as high as possible to keep the Corner Post A and D from bowing toward each other under load.



Step 6: Bag 6, Winch

Slide one of the 3/8 x .75" screws, square nut and washer down the small channel of the Corner Post 'A'. Slide this screw and sq nut down about 18". Slide Winch Channel into this Corner Post Channel as shown. Slide down until the top of the channel is flush with the top of the Corner Post. Loosen the screw underneath the Winch channel and slide up into the slot and tighten. Position other 3/8 x .75" screw, square nut, and washer onto the top slot, tighten.



Step 7: Bag 7, Cable Retainer Base and Bed Beams

(4) Bed Beams with pre-strung cables

(4) 3/8 x 2.75" hex screws

(4) 3/8 hex nuts – brass





Without removing the 1/2-13 SS screw, remove the aluminum 1/2-13 nut from Front Beam ('Bed B – Bed C' beam), again DO NOT REMOVE THE 1/2" SCREW. Slide the 1/2" screw onto the welded angle of the Side Beam ('Bed A – Bed B'). Finger tighten the aluminum screw. Repeat this for the remaining 3 corners. Tighten all screws. Double check pulley clearance. Note: pulley may seem to drag due to the cable wrap, pull the cable free from the pulley and recheck.

Now connect the cables, starting with the base beam as shown in the above picture and below picture using the 3/8 x 2.75" screws.







Step 8; Bag 8, Winch Cable Mounting Stub

Cable Mounting Stub

(2) 3/8 x 0.75" hex screws

(2) 3/8 sq nuts - brass

(2) 3/8 washers

Slide one of the 3/8 x .75" screws, square nut and washer down the small channel of the Corner Post 'D'. Slide this screw and sq nut down about 9". Slide Winch Cable Mounting Stub into this Corner Post Channel as shown. Slide down until the top of the channel is flush with the top of the Corner Post. Loosen the screw underneath the Winch Cable Mounting Stub and slide up into the slot and tighten. Position other 3/8 x .75" screw, square nut, and washer onto the top slot, tighten. Attach cable as shown. Attach rubber cap as well.



Step 9; Bag 9, Bunks for Pontoon boat

- (4) Bunk Supports
- (8) 5/16 x 1.5" lag screws – galvanized
- (4) Bunk Bracket Backer Plates
- (8) 3/8 x 4" hex screws
- (8) 3/8 hex nuts – brass



Turn bunks upside down and attach the aluminum Bunk Support using the 5/16 x 1.5" lag screw to the bunks. Once both bunks are attached to the 2 brackets, attach the assembly to the Bed Beam using the 3/8" x 4" hex screws, Bracket Backer Plates and brass hex nuts as shown. Adjust width to match hull width.

Standard V Hull Bunks

- (8) 1/4" x 2" plates
- (12) 3/8 x 2.75 Hex Head Bolts
- (12) 3/8 Brass Nuts

Using your boat trailer as a template, measure the distance and height of those bunks. Duplicate using (2) flat bars and the 3/8 x 2.75" screws. Double check clearance for the boat keel. Adjust Bunks up and as far apart as possible for best stability and least amount of strain on the bed tube. 36" or wider is best. Tighten all screws.



Step 10; Bag 10, Wheel Knob

- (1) Black, steel wheel nut
- (1) Knob
- (2) 3/8 x 1" hex screw
- (2) 3/8 hex nuts – brass
- (1) 3/8 nylock nut
- (1) 3/8 washer
- (1) 5/16 x 2" hex screw
- (1) 5/16 fender washer

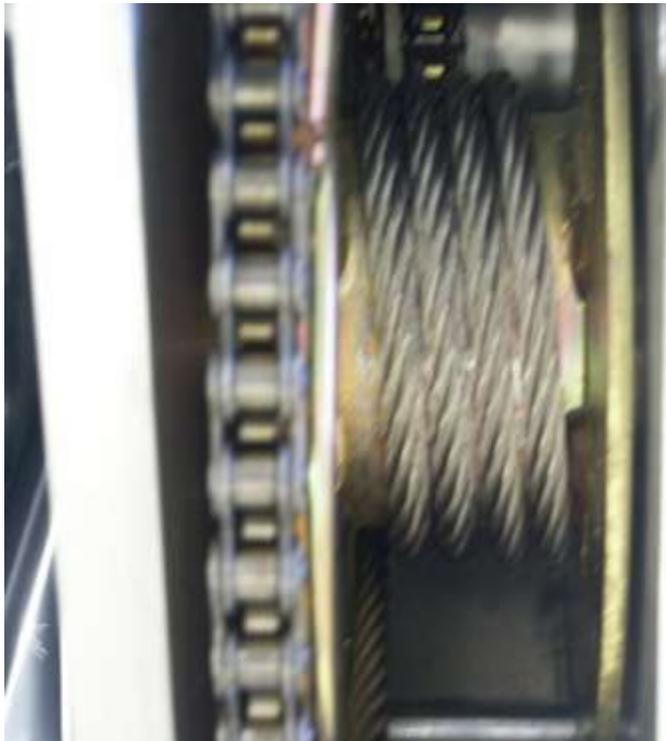


Attach the black steel wheel nut to the wheel using the (2) 3/8" x 1" hex screws and brass hex nuts facing out as shown. Insert the screws from the rear and tighten the brass nuts from the front. Attach the Knob using a washer and 3/8 nylock nut. Tighten and back off ¼ turn to allow smooth rotation. Screw wheel onto the winch with a clockwise rotation. Screw the 5/16 screw and large diameter fender washer into the center of the Winch and Wheel. This screw will not tighten onto the wheel, it should bottom out in the winch thread – that should give you about 1/8" gap behind the washer and the Wheel to allow the brake mechanism to open properly to lower the boat.

Now feed the winch cable coming out of Bed-A up into the winch clamp. As shown in the following photo, there is an access hole to tighten the clamp screw onto the cable wire. You may need to rotate the drum to expose this set screw. Use a 5/32 Allen wrench to tighten. Turn the wheel clockwise to take up the slack wire and make sure the wire does not cross over itself.



Proper winding.



Poor winding.



**Step 11; Bag 11, Caps – plastic
(4) Post Cap – top
(1) Cable Mounting Stub Cap**

Snap the flat Post caps into the top of the (4) Corner Posts and slide the larger 2.5” vinyl Cap onto the Cable Mounting Stub from Step 8.

**Double check all screws for tightness.
This concludes the assembly.**

Installation:

Tools required:

1. **(2) 9/16 wrenches.**
2. **Water shoes.**

Instructions:

1. **Survey the installation area for rocks, stumps or other obstructions, remove debris or relocate lift site.**
2. **Inspect boat hull for any protrusions, such as turn fins, speedometer pickups, live well inlets, cruise control pickups, etc. Compare location of obstruction with Bunk spacing. Remove or relocate if needed. In some cases, Centering Guides may be all that's required to position your boat for interference free lifting.**
3. **Lift boat lift into position. DO NOT DRAG. Dragging may cause unnecessary fatigue on Side Beams and Front/Rear Beams weldaments.**
4. **If you require longer legs than standard for deeper water application you will require cross bracing. Contact your dealer.**
5. **Raise bunks until they are even with the water. Adjust legs until all 4 ends of the bunks are level. Retighten legs.**
6. **Inspect the lake bottom areas once again to ensure only the 4 Foot Pads contact the lake bottom. Clear any obstructions and sand away from under beams and pulleys.**
7. **Lower lift to the lowest position.**
8. **Float, (DO NOT DRIVE), your boat on at this time. DO NOT RAISE THE LIFT YET. Check for potential interference.**
9. **Raise the lift until the bunks just contact the hull bottom. STOP. Check for clearance one more time.**
10. **If all is clear between the hull and lift bunks, raise lift 6" more. WAIT. In softer areas lift feet may settle into lake bottom, causing tilt situation. Lower lift, remove boat and repeat step 5 thru 9 until lift is on solid footing. Relocate lift unit or shore up soft areas with sand, gravel or plywood sheets.**
11. **When satisfied with footings, raise lift in 6" increments. STOP, check level and continue. BE PREPARED to lower lift immediately should footings become unstable.**