

# ULTRALIFT HM COVER LIFTER HYDRAULIC MOUNT

Side Mount at top of spa OR Deck Mount on in-ground tubs ONLY

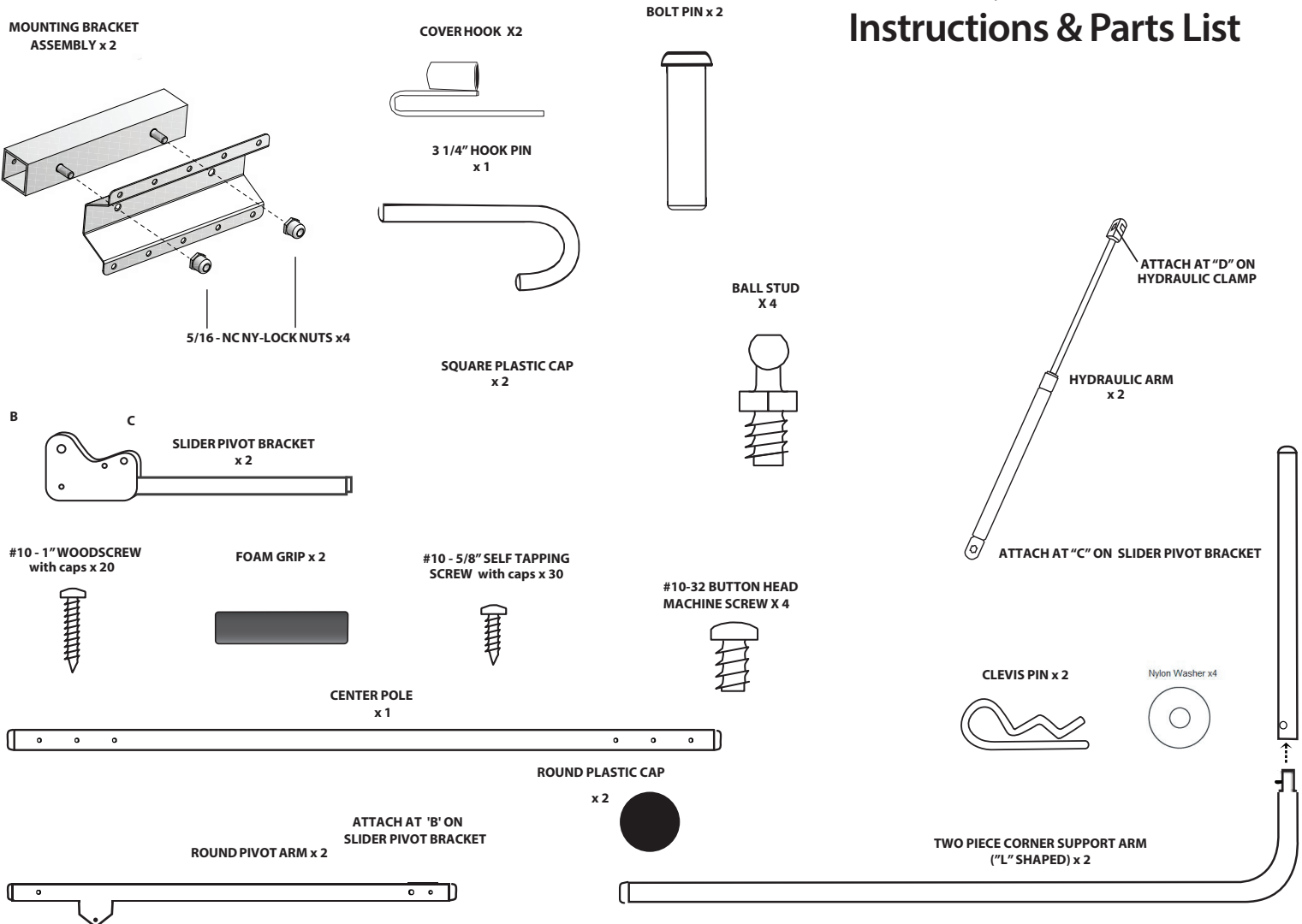


By Byron Originals, Inc.

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## PARTS LIST

## Assembly, Installation Instructions & Parts List



## PARTS

## TOOLS LIST

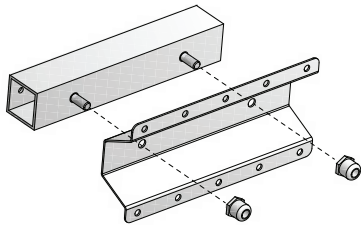
- Mounting Bracket Assembly (x2)
- Slider Pivot Bracket (x2)
- 3 1/4" Hook Pin (x1)
- Center Pole (x1)
- Round Pivot Arm (x2)
- Cover Hook (x2)
- Foam Grip (x2)
- Hydraulic Arm (x2)
- Hydraulic Clamp (x2)

- Bolt Pin (x2)
- Clevis Pin (x2)
- #10 - 5/8" Self Tapping Screw (x30)
- #10 - 1" Woodscrew (x20)
- Ball Stud (x4)
- 5/16 - NC NY-Lock Nut (x4)
- 5/16 - C NY-Lock Nut (x4) (in bag with ball studs)
- #10-32 Button Head Machine Screw (x4)
- 1 1/4" Square Plastic Caps (x2)
- 1 1/4" Round Plastic Caps (x2)
- Two Piece Corner Support Arm ("L" Shaped) (x2)

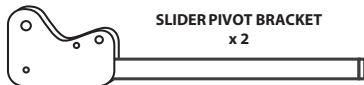
- Phillips screwdriver
- Measuring tape
- Drill
- 1/8 drill bit
- Adjustable wrench
- Nylon Washer x4

## PRE-ASSEMBLY

Illustration 1



Assemble the 2-piece mounting bracket using 2 of the 5/16 - NC ny-lock nuts.



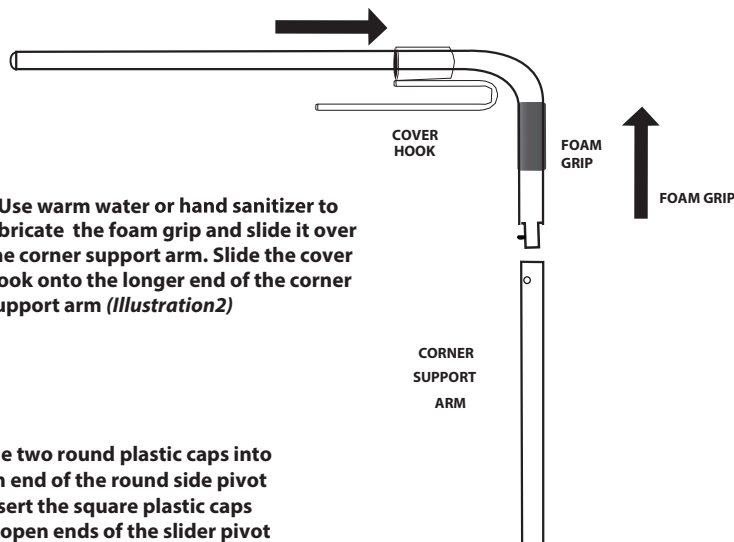
SLIDER PIVOT BRACKET  
x 2



ROUND PIVOT ARM x 2

Illustration 2

### TWO PIECE ARM , FOAM GRIP AND COVER HOOK ASSEMBLY



Use warm water or hand sanitizer to lubricate the foam grip and slide it over the corner support arm. Slide the cover hook onto the longer end of the corner support arm (Illustration 2)

Insert the two round plastic caps into the open end of the round side pivot arms. Insert the square plastic caps into the open ends of the slider pivot bracket.

\*Note: Round plastic caps may not be necessary if metal cap already exists on round pivot arm

## INSTALLATION INSTRUCTIONS

### STEP 1

The spa cover must be in the closed position prior to mounting the lifter. Position the spa cover properly so it is sitting squarely on the spa. Attach the preassembled mounting bracket (see Illustration 1) near the back, and close to the top edge of the spa, using the #10 - 1" woodscrews. We recommend pre-drilling the all holes with a 1/16" drill bit.

### STEP 2

Ensure the cover hooks and foam grips are in place as shown in Illustration 2. Insert the longer end of corner support arms into the center pole so that it is situated parallel to the spa cover with the cover hooks under the seam of the cover (see Illustrations 3 and 6)

### STEP 3

Insert the slider pivot bracket into the mounting bracket and position it so that the slider pivot bracket lines up with the back of the spa and secure using #10 - 5/8" tapping screws (see Illustration 4).

### STEP 4

Be sure the three holes are facing away from the tub and the ball stud bracket is facing down. Slide the pivot arm over the shorter end of the corner support arm. Align the pivot arm with the holes identified as "B" on the slider pivot bracket and feed the bolt pin through the bracket, through the nylon washer, through the round pivot arm, and secure using the clevis pin (illustration 4)

ILLUSTRATION 3

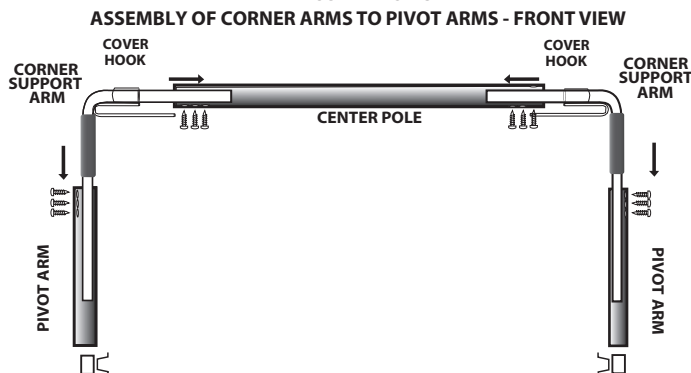
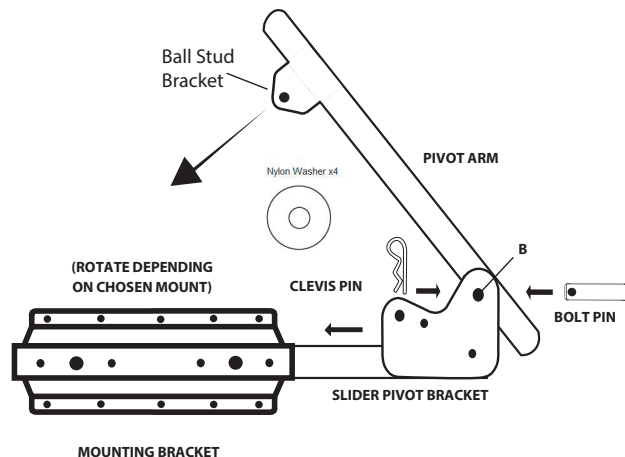


ILLUSTRATION 4

### ASSEMBLY OF SLIDER ARM TO PIVOT ARM SIDE VIEW



## STEP 5

Make sure the centre pole is located 1" from the middle seam of the cover on the lifter side (see Illustration 5). Attach the centre pole to the corner support arms using 6 of the #10 - 5/8 self-tapping screws. Pre-drilling the corner support arms is advised. We recommend rotating the centre pole so that the screws are inserted horizontally.

## STEP 6

Secure the pivot arms to the corner support arms using 6 #10 - 5/8 self-tapping screws.

## STEP 7

### Hydraulic arm assembly:

#### Open the spa cover to the upright position

Fasten the ball studs to the outside of the hydraulic clamp and pivot bracket holes located at "C" and "D" using 5/16" - C ny-lock nuts. Attach the larger end of the hydraulic arm to the ball stud at C by pressing the end fitting over the ball stud.

Move the arm up until the end of the hydraulic arm meets the ball stud and press it into place. NOTE: If you need to remove the hydraulic arm, GENTLY pry the half-circle collar to release the spring from the ball stud.

## STEP 8

Cover all woodscrews and tapping screws with plastic caps. You have completed the installation of your Ultralift cover lifter

**NOTE:** The J - pin is inserted into the pivot brackets and through the round pivot arm when the spa cover is in the open position for added safety and removed when the cover is to be closed. When the cover is closed, the J - pin can be inserted into "J - pin storage" for safe-keeping.

## **CAUTION:** **DO NOT USE**

the *UltraLift* in **windy** conditions. The spa cover may blow over and impact the spa user.

Illustration 5

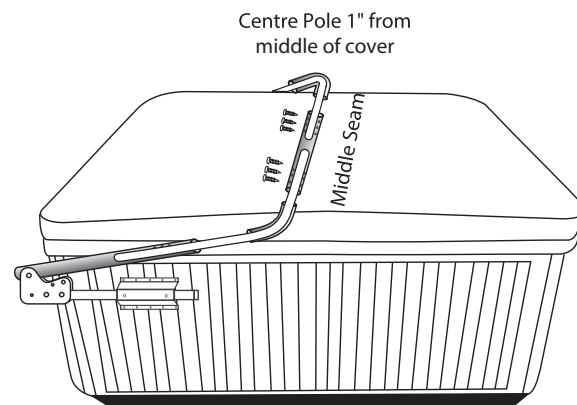
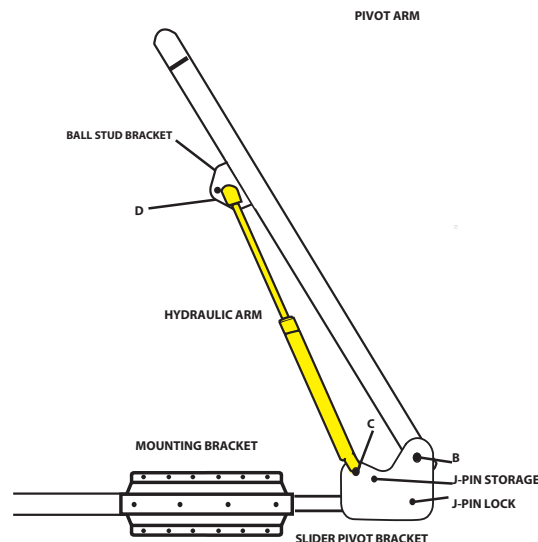


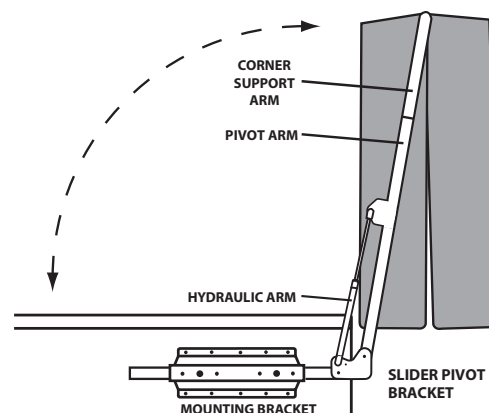
Illustration 6

## **IMPORTANT!**

### **ASSEMBLY OF PIVOT BRACKET AND HYDRAULIC ARM**



### **COMPLETED COVER LIFTER**





#### THE WARRANTY:

SMP Specialty Metal Products Inc. warrants to you (the original purchaser) for the stated warranty term of FIVE YEARS (60 Months) from the original date of purchase, to be free from defects in material and workmanship.

UltraLift Cover Lifters will be free from defects in materials or workmanship that would cause the lifter to be inoperable in normal working conditions. Any claim made within these terms for Five years from the date of purchase will be repaired or replaced at the option of the Manufacturer.

This is a 100% Non-Prorated Warranty on all parts for the full 5 years. Only parts excluded from the warranty are the gas springs which include a 100% One Year Warranty.

#### EXCLUSIONS TO WARRANTY

- Lifter has been subjected to alteration, misuse or repairs by anyone other than an authorized representative of the Manufacturer, unless written approval is provided
- Damage caused by improper installation or during transportation from the seller to the purchaser
- Any damage resulting from any misuse, abuse, negligence, accident or alteration, environmental, or use during high winds

The warranty covers the operational use of the lifter but does not cover scratches, abrasions, rusting or any defects to the finish of the material caused by or resulting from the exposure to the environmental factors; i.e. sun, rain, chemicals or any defects resulting from normal fading or minor deterioration.

The warranty does not cover damage resulting from abuse or accidents, including but not limited to the following damage:

- Use of abrasive or unapproved cleaners that could cause surface damage
- Subjection to solvents or other chemicals which could deteriorate painted surfaces
- Use for any other purpose than as a Spa or Hot tub cover lifter

#### MAKING A CLAIM:

To make a warranty claim; in the event of a defect covered by this warranty for UltraLift, contact the original retail seller and provide original purchase receipt, any photo(s) clearly showing the defect(s) and an explanation. NO RETURNS OF MERCHANDISE WILL BE ACCEPTED UNTIL A "RETURN AUTHORIZATION NUMBER" HAS BEEN ISSUED.

The lifter will be repaired or replaced at the discretion of the Manufacturer. If necessary, the purchaser is responsible to ship any said parts back to the manufacturer. The warranty includes all Labor costs performed at the manufacturer's facility but not labor in the field. SMP will cover the cost(s) to repair and/or replacement of the items back to the retailer or seller.

#### FREIGHT DAMAGE:

Any materials damaged in freight will be replaced by SMP Specialty Metal Products provided the purchaser files the appropriate claims form with the carrier, and submits copies to the manufacturer within five (5) business days of receiving the damaged merchandise. All claims should also be reported to the seller.

#### Consequential Damages:

SMP Specialty Metal Products Inc. will not be liable for any loss, expense, or damage other than to UltraLift, that may result from a defect in materials or workmanship. This warranty does not cover incidental damages including damage to property or injury arising from the use or inability to use this product. Manufacturer or Seller shall in no event be liable for any amount in excess of the original purchased amount. (Some Provinces / States do not allow the exclusion or limitation of incidental or consequential damages, so the above mentioned limitation may not apply to you).

It is important that you report to the Retailer from whom you purchased UltraLift, any defects as soon as they are detected. If it is impractical to report any defects to the Retailer, Contact **SMP Specialty Metal Products Inc. 326 Watline Avenue, Mississauga, Ontario Canada, L4Z 1X2; Phone: 1-800-597-1343, Email: [info@theultralift.com](mailto:info@theultralift.com)**