Atlas Lifts are based on a time tested design, providing quality products and a wide variety of accessories to customize to your specific need

5000 LBS. CAPACITY ATLAS BOAT LIFTS

Assembly Guide

Date Of Purchase: ___/___/_____

Tools Needed:

Tape Measure	(2) 9/16” Wrench	(2) 3/4" Wrench	(2) 1/2“ Wrench
Knife	Crescent Wrench	Rubber Mallet	Grease
(4) 4’ Boards (Recommended)	Ladder		

Step #1 Count and Sort Hardware

Parts:

(3) Short Legs	(1) Winch Leg	(2) Side Spreader Beams 131”	(2) Front/Back Spreader Beams 119”	(2) Cradle I Beams	(2) V Cradle Tubes
(1) Winch Tube	(1) Spacer Brace Tube 131”	(1) Winch Box	(1) Accessories Parts Box	(1) Wheel	

It is very important to have all the hardware needed to assemble this boat lift. Open the box that has the hardware in it. Then sort the hardware and the other components by size to avoid confusion. On the last page of the manual is the fastener finder sheet to help identify the fasteners and components.

Assembly Time:

1 Person- 4 Hrs

2 People- 1.5 Hrs

Step #2 Assemble the Foot Pads

Parts Needed:

(4) Foot Plates

(4) Foot Plate U Brackets

(8) 3/8 - 16 - 1 Carriage Bolts

(8) 3/8 -16 Brass Lock Nuts

Collect carriage 2 bolts (3/8-16 x 1) and 2 lock nuts (3/8 - 16) for each foot pad. Align the holes on the foot pad and the channel clamp and insert the bolts from the bottom of the foot pad into the corresponding holes in the channel clamps. Place the nut on the bolt and tighten the nut down. Repeat for all 4 of the foot pads. Use the illustration below (2-1) to see the orientation of each part.


(2-1)

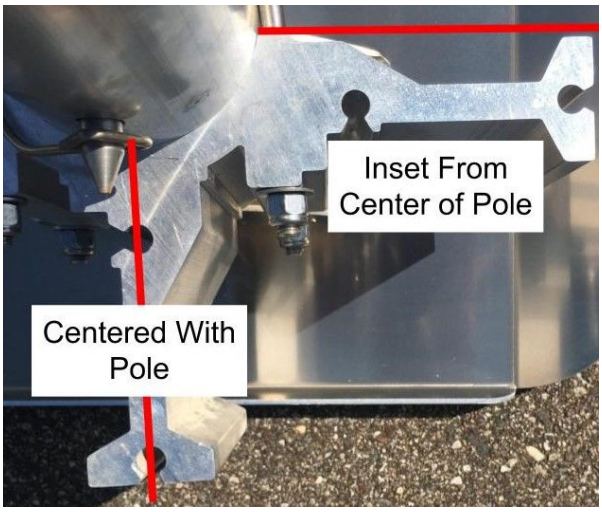
Step #3 Align Clamps on Legs

Parts Needed:

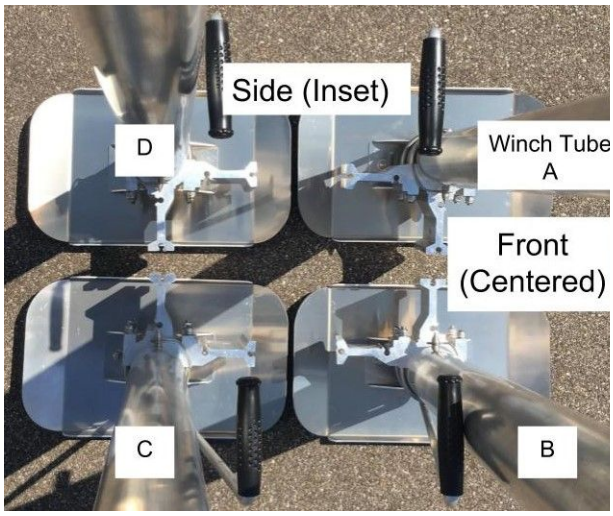
(4) Legs

Each leg has a clamp that must be oriented specifically when assembling the boat lift. There is a side of the clamp that is inset, and another that is centered with the leg. See images below(3-1). Let the winch leg clamp be “A” which is bolted on correctly, and the rest of the legs are “B, C, D” going clockwise. Place the legs in a small square similar to the second image below, and adjust the clamps. The beams connecting B⟶C and A⟶D should be inset. These are the sides of the lift. The beams connecting A⟶B and D⟶C should be centered to the leg. These are the front and back of the lift. See image (3-2).

When adjusting the clamps, be sure the height adjusting pins in the legs are exactly in line with the bolt holes on the clamps. If misaligned, the holes at the top of the leg will be crooked, preventing a canopy from being installed properly.



(3-1)



(3-2)

Step #4 Assemble the Foot Pads to the Leg

Parts Needed:

(4) Aluminium Leg Lift Rods

(4) Black Handles

(4) Hairpins

(3) Short Legs

(1) Winch Leg

Align the hole on the foot pad bracket with the hole on the leg, and slide the lift rod through. Make sure to insert the lift rod on the same side of the u-bolt. To secure the rod, place the hairpin on the open end of the lift rod. Then slide the black grip onto the lift rod. Repeat this for the remaining four legs. Use the illustration (4-1)below to help.

Note: The legs have adjustable tubes inside of them to level the boat lift once installed. To adjust the length of the leg, remove the pin and reinsert into hole of desired height.

(4-1)

Step #5 Assemble the Lower Frame

Parts Needed:

(2) Side Spreader Beams 5”x2”x131”

(2) Front/Rear Spreader Beams 5”x2”x119”

(4) Cable Brackets

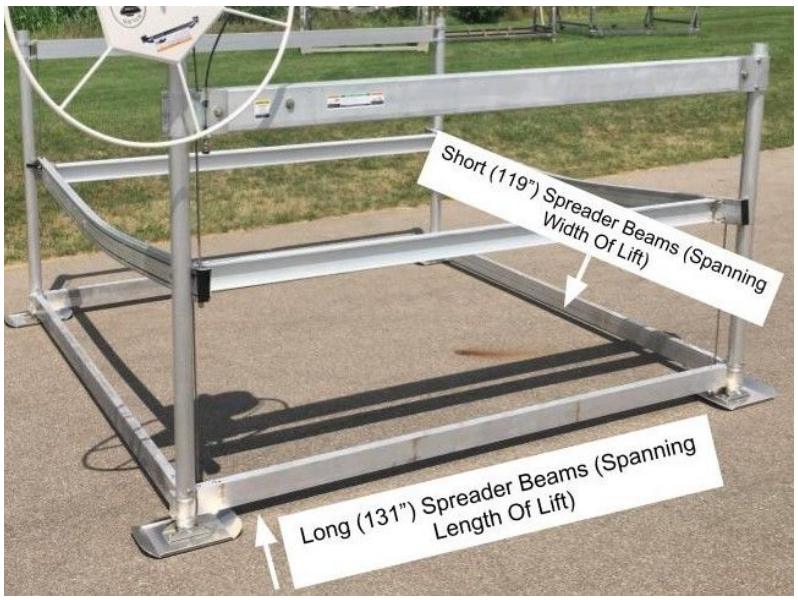
(8) 3/8 - 16 x 6 ½” long bolt

(8) 3/8 - 16 x 6 ” short bolt

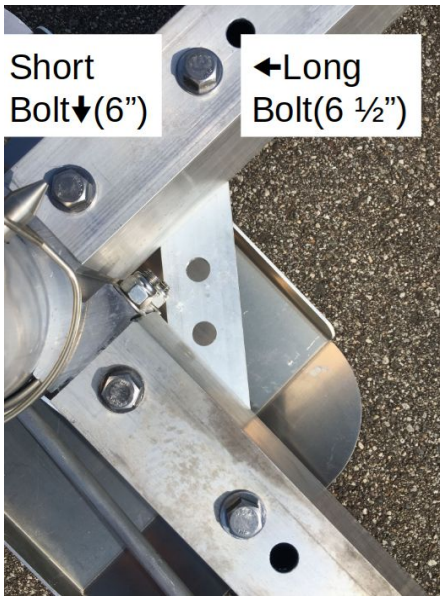
(16) 3/8 -16 Brass Lock Nuts

(32) 3/8 Flat Washer

To assemble the bottom frame, spread the legs out in a rectangle so the clamps align. The long spreader beams will connect the front and back, and the short will run from side to side, as pictured below(5-1). Slide a washer on the short bolt, and install in the hole closest to the leg. Then add a washer below the spreader beam and tighten with the lock nut. Slide a washer onto the long bolt, and install in the next hole. Then below the spreader beam, add the cable bracket onto the bolt, followed by a washer and tightened with a lock nut. The bracket will span between each long bolt on the perpendicular spreader beams. See image (5-2) below.



(5-1)



(5-2)

Step #6 Assemble Corner Guides

Parts Needed:
(4) Corner Guides
(4) 3/8 -16 x 1 1/2" Carriage Bolt
(4) 3/8 -16 Brass Lock Nuts
(4) 3/8 Flat Washer
(2) V Cradle Tubes

Lay 4 boards across the corners of the base of the lift. Then, rest the V Cradle Tubes on the front and rear of the lift, across the boards. See image (6-1) below. The V Cradle Tube has a cable going out the top, and one out the bottom. The cable going out the bottom of the tube should be positioned on the same side as the winch will be. Add the carriage bolts with the head on the same side as the T channel on the Corner Guide. Then add the washer and lock nut. Slide the Corner Guide onto the V Tube so it can partially wrap around the leg. Do not tighten the lock nuts at this time. See image (6-2) below.

(6-1)

(6-2)

Step #7 Assemble Side Cradle I Beams

Parts Needed:
(2) I Beams
(8) Brackets
(16) 3/8 -16x1" Carriage Bolts
(16) 3/8 Flat Washer
(16) 3/8 -16 Brass Lock Nuts
(16) 5/16 -18x3/4 Bolt
(16) 5/16-18 Brass Lock Nuts
(32) 5/16 Flat Washers

Insert 2 Carriage Bolts in the inside top track of the V Cradle Tube for the bracket to be bolted to. Loosely attach the bracket with washers and locknuts. Slide the bracket down at least 3" from the end. Tighten the bracket in the top track of the V Cradle Tube at the desired measurement. Repeat for all the

other top brackets. Loosely add lower brackets to the lower track of the V Cradle Tube. See image (7-1) below.

Attach the Cradle I Beam to the top bracket using the 5/16 bolt, a washer on each side, and a brass lock nut. The side of the I Beam that faces up has ridges. Do not tighten yet. Slide the lower bracket into position and fasten to the I Beam with 5/16 bolts, washers, and lock nuts. Leave loose. Repeat on the other end of the I Beam. Then tighten the 5/16 bolts with a 1/2" wrench. Slide the I Beam at least 3” down the V Cradle Tube. See image (7-2). Then tighten the carriage bolts holding the bottom bracket.

(7-1)

(7-2)

Step #8 Add Spacer Brace Tube

Parts Needed:
(1) Spacer Brace Tube
(4) Clamps
(4) Brackets
(4) 3/8 -16x3 3/4" Bolt
(4) 3/8 Brass Lock Nut
(8) 3/8 Flat Washer

Add the Clamps to the ends of the Spacer Brace Tube using a bolt, lock nut, and 2 washers each. The Bracket is added between the clamp and the tube to prevent it from caving in. A Bracket is added on each side of the tube. See image (8-1) below.

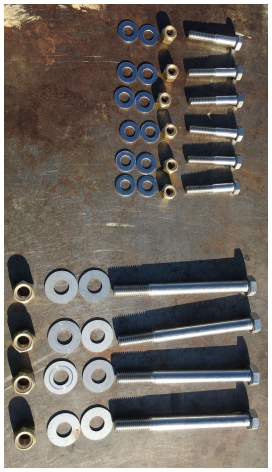
Install the tube on the 2 legs opposite of the winch. Set height according to the arrows on the top of the legs. Be sure the clamps are level before tightening. See image (8-2) below.

(8-1)

(8-2)

Step #9 Add the Winch Tube

Parts Needed:
(1) Winch Tube
(6) 3/8 -16x2 Bolt
(6) 3/8 Brass Lock Nut
(12) 3/8 Flat Washer
(2) 1/2 -3x5 1/2 Bolt
(2) 1/2 -3 Brass Lock Nuts
(4) 1/2 Flat Washer



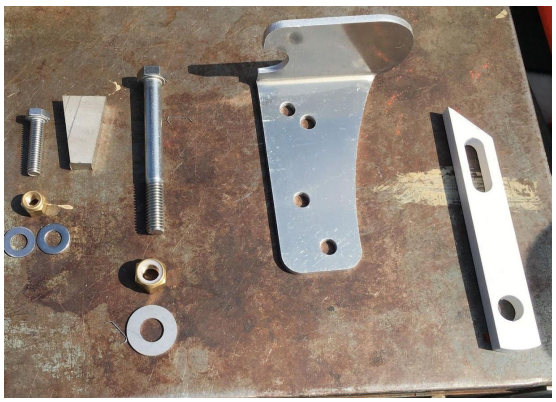
Add the 3/8 bolts with a lock nut and a washer on each side to the holes on each end of the tube. Do not tighten. Add the 1/2 bolts with a lock nut and a washer on each side to the holes opposite of the 3/8 bolts. Do not add 1/2 bolts to holes on the winch side, which can be identified with warning stickers. The cable without any threads should go out the top of the tube and into the winch.

Lift the winch tube and slide it down the winch leg and adjacent leg to the required height marked by the triangle sticker. See image (9-1). **This is a 2-3 man job.** To get the correct height on the winch tube, measure up from the footplate on the adjacent leg and match it on the winch leg. Once at the height, tighten the 1/2 bolt with a 3/4" wrench, and then tighten the 3/8 bolts with a 9/16” wrench.

(9-1)

Step #10 Install Winch

Parts Needed:
(1) Winch
(1) Wheel
(1) Steel Wedge
(1) 1/2 -3x5 1/2 Bolt
(1) 1/2 Flat Washer
(1) 1/2 -3 Brass Lock Nut
(1) White Brake Bracket
(1) 3/8 -16x2 Bolt
(2) 3/8 Flat Washer
(1) 3/8 -16 Lock Nut



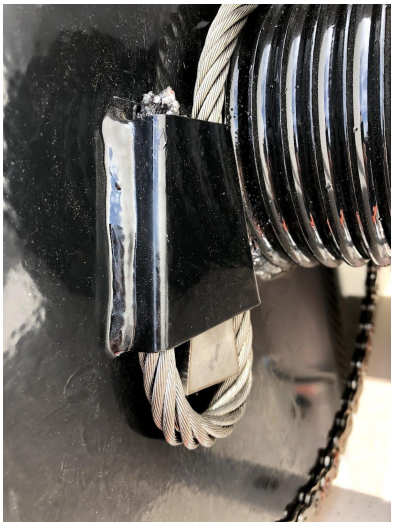
Using a ladder, lift the winch to the top of the Winch Leg and slide into pole. Align so the wheel can be put on the outside of the boat lift. Insert the 1/2 bolt through the leg tube and winch, so that the bolt head is on the inside of the leg. Add a washer and lock nut to the outside of the bolt.

To add the White Brake Bracket, place it between the 2 brackets on the face of the winch. Then, secure with 3/8 bolt, a washer on each side, and a lock nut. See image (10-1) below.

Remove the cover from the winch by loosening both wingnuts found on the top and bottom of the winch. Locate the cable wedge pocket by turning the drive shaft either clockwise until the pocket is easy to work with. Push the winch cable through the small opening of the pocket, and from a loop by inserting the cable back through the larger opening. Place the wedge into the loop of the cable (10-2), and pull the cables tight forcing the wedge into the pocket. See image (10-3) below.

Once the wedge is installed, lightly oil the cable with chain lube, 10 weight oil, or marine grease to prolong the life of the cable.

(10-1)



(10-2)

(10-3)

Step #11 Install Wheel

Parts Needed:
(1) Wheel
Grease

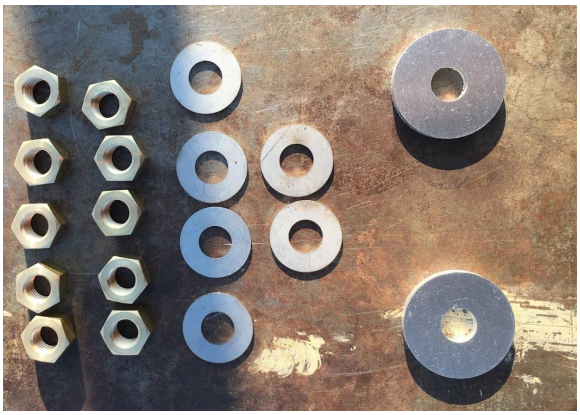
Using a crescent wrench, remove the nut and washer on the winch drive shaft. Discard of the spacer tube on the drive shaft. **Grease the threads inside the wheel**, then thread onto drive shaft until winch begins to turn. Reinstall the washer and nut removed from the driveshaft previously(11-1). Tighten the nut by hand, and then 1/2 turn with a crescent wrench. Tighten the square bolt on the back side of the wheel(11-2).

(11-1)


(11-2)

Step #12 Attaching Cradle Cables

Parts Needed:
(10) 5/8 -11 Brass Nut
(6) 5/8 Flat Washers
(2) Large Aluminum Washer Plates



On the side of the boat lift opposite of the winch, run the Cables coming out of the top of the V Cradle Tube up through the Spacer Brace Tube. Add a Large Aluminium Washer Plate, Washer, and 2 nuts.(12-1)

On the winch side of the boat lift, run the cables coming out the bottom of the winch tube down through the corners of the V Cradle Tubes. Insert the cables through the outermost hole in the tube. Add a washer and 2 nuts. (12-2)

On the winch side of the boat lift, run the cables coming out the bottom of the V Cradle Tube down through the plates in the bottom corners of the base, near the legs. Insert them through the holes closest to the sides of the boat lift. Add a washer and a nut. (12-3)

(12-1)

(12-2)

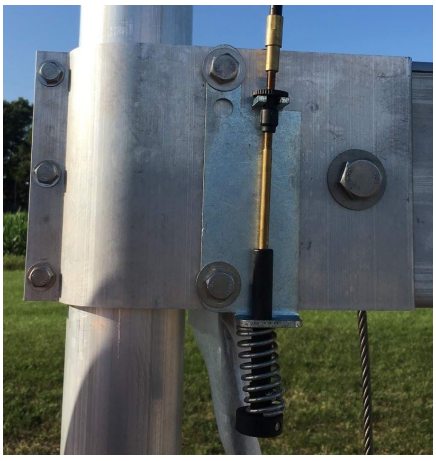
(12-3)

Step #13 Install Safety Stop

Parts Needed:
(1) Winch Stop Bracket
(2) 3/8 -16x1 1/4 Carriage Bolt
(2) 3/8 -16 Lock Nut
(2) 1/2 -3x5 Bolt
(2)1/2 -3 Brass Lock Nut
(4) 1/2 Flat Washer

Add a Carriage Bolt to the inside top and bottom track of the V Cradle Tube under the winch. Slide the Winch Stop Bracket onto the bolts so the bracket hangs off the edge of 9the tube. (13-1) Be sure the bracket does not rub on the cable running up to the Winch Tube.

Fasten the black cable with the rubber bump stop coming off the winch onto the 2 remaining holes on the Winch Tube using 1/2 bolts, washers on both sides, and a lock nut. (13-2)



Step #14 Install Leg and Cradle Caps

Parts Needed:
(3) Round Leg Caps
(4) Rectangle Cradle Caps

Use a rubber mallet to push the caps into the tops of the legs. The winch leg should come with a rubber cap already installed. Skip this step if installing a canopy.

Use a rubber mallet to push the caps into the ends of the V Cradle Tubes.

Before installing lift into water, insure all parts are tight and correctly installed. Failure to do so may result in serious injury.

The length of the legs should be adjusted when adding the lift to the lake. Pull the pin in the legs to allow the legs to adjust. It should be raised high enough that the cradle is out of the water when raising the boat. The lift should be level when done installing.

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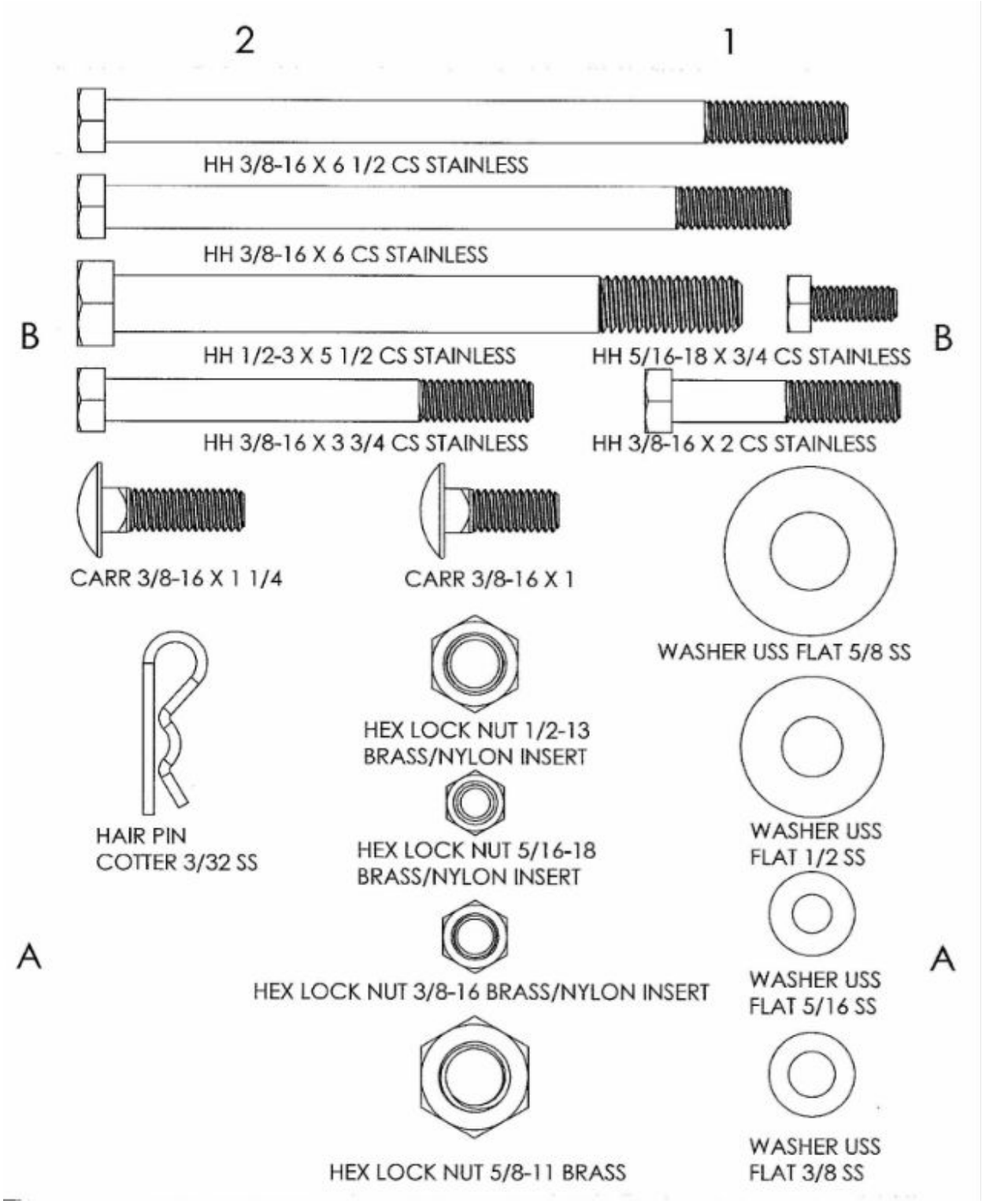
Dealer Sticker/Stamp Here



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Revision: 081018EKBM