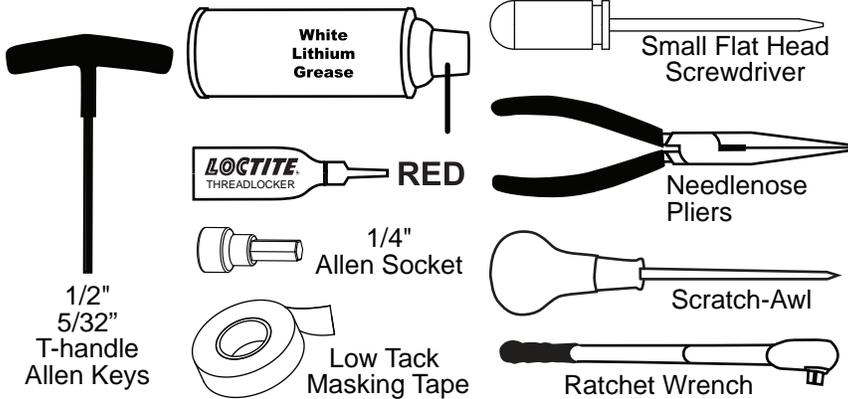
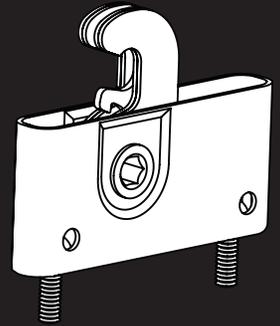
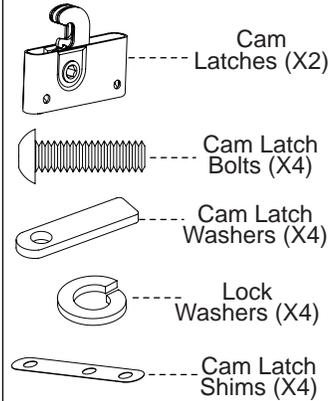


### Tools Required

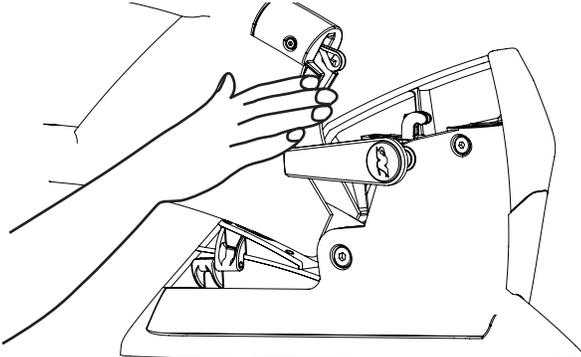


### Kit Contents



## ! WARNING !

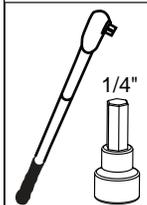
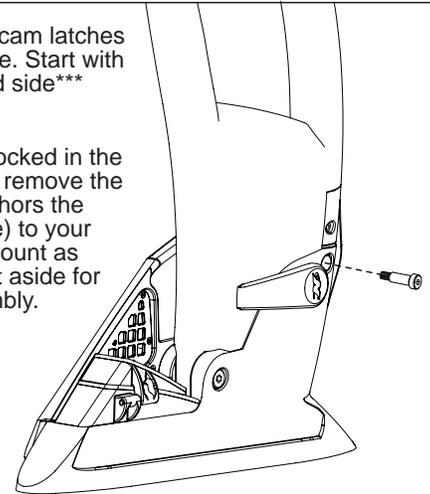
Always use caution with the tower in the folded position. Be careful to keep the tower from pivoting upwards while servicing the cam latch. Roswell recommends 2 people service the cam latch.



## A

\*\*\*Replace your cam latches one side at a time. Start with the starboard side\*\*\*

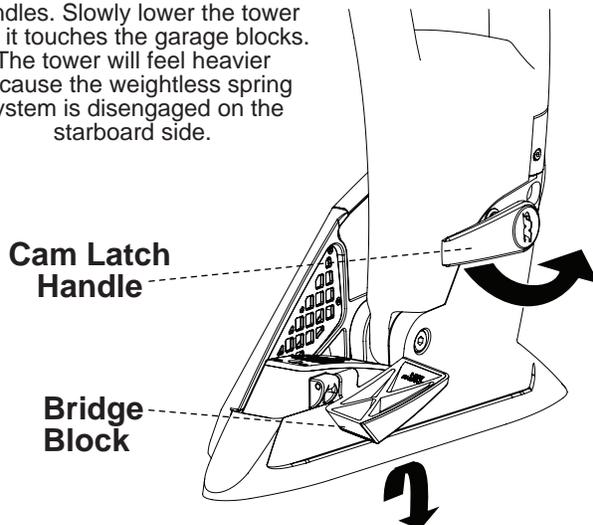
With the tower locked in the upright position, remove the bolt that anchors the Robline (rope) to your starboard mount as illustrated. Set aside for reassembly.



Interior view of starboard tower mount

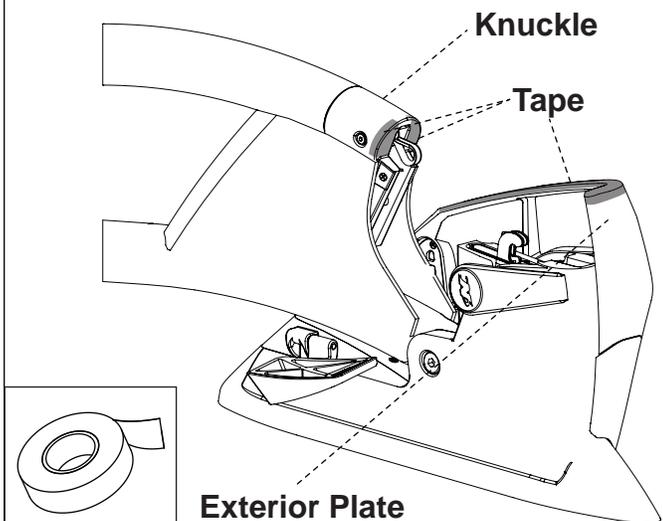
## B

Flip the bridge blocks out on both port and starboard sides. Turn and release both of the cam latch handles. Slowly lower the tower until it touches the garage blocks. The tower will feel heavier because the weightless spring system is disengaged on the starboard side.

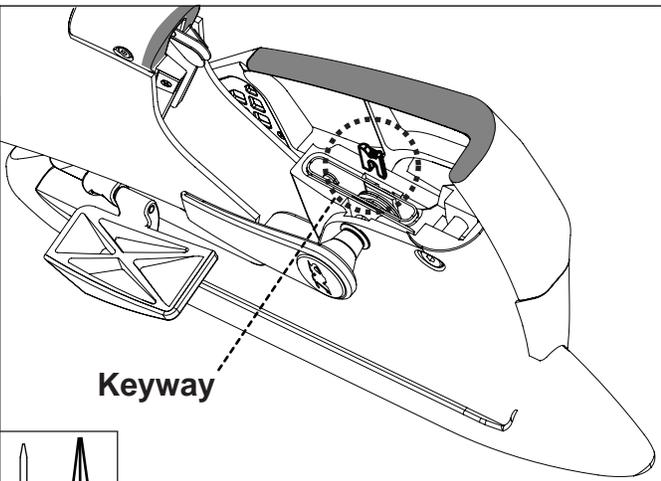


## C

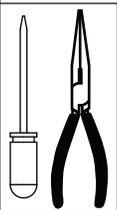
To help prevent damage to painted parts, apply strips of low tack masking tape around the bottom face of the knuckle and along the top edge of the exterior plate as illustrated.



### D



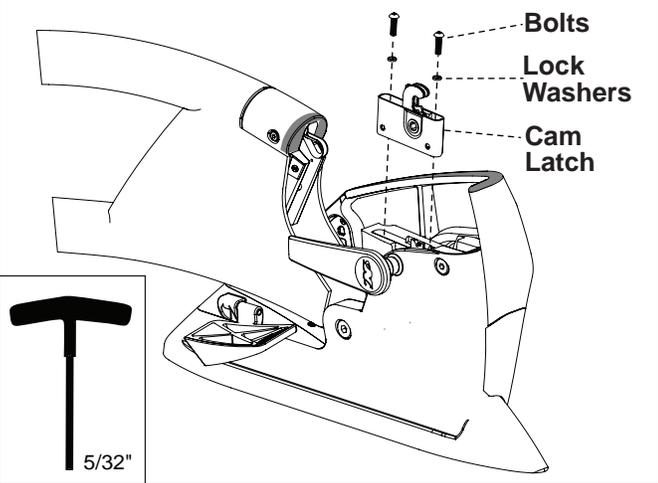
**Keyway**



Use a small, flathead screwdriver to loosen the little set screw that secures the keyway. Your keyway is located directly beside your cam latch. Once the set screw is loosened, use a pair of needle-nose pliers to grab and remove the keyway. Set it aside for reassembly.

### E

Remove the 2 bolts and lock washers that hold your cam latch in place using a 5/32" T-handle Allen key. Remove the cam latch handle and cam latch from the tower mount. Your cam latch, 2 bolts and 2 lock washers will not be re-used. Discard or recycle your old cam latches, bolts and washers.



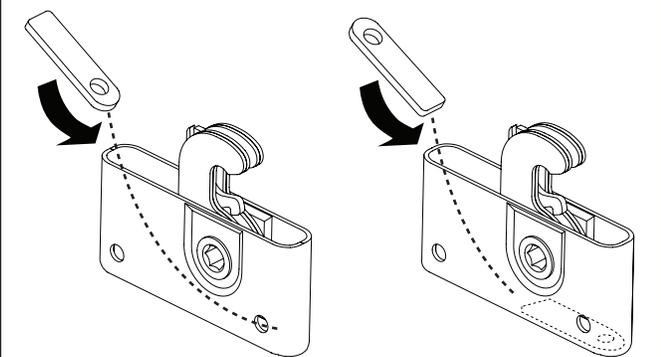
**Bolts**  
**Lock Washers**  
**Cam Latch**



5/32"

### F

Grab the components from your cam latch kit. Prior to installing your new cam latch, you will need to prepare it first. Slide 1 washer in the rear of the cam latch and shake it to the front. Slide the 2nd washer in behind the first. Be sure to match the round ends of the washers with the round ends of the cam latch. Make sure both washers are sitting in the cam latch housing properly.

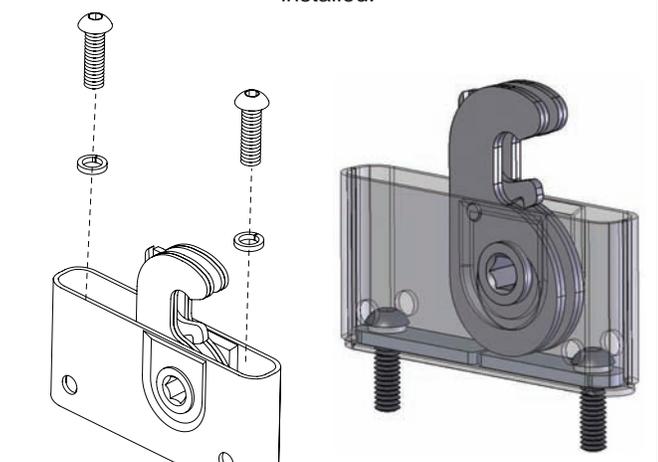


**Washer #1**      **Washer #2**

X2

### G

Grab 2 new bolts and 2 new lock washers from your kit. Drop the 2 bolts into the cam latch with the lock washers under the bolt heads. Your cam latch is now ready to be installed.



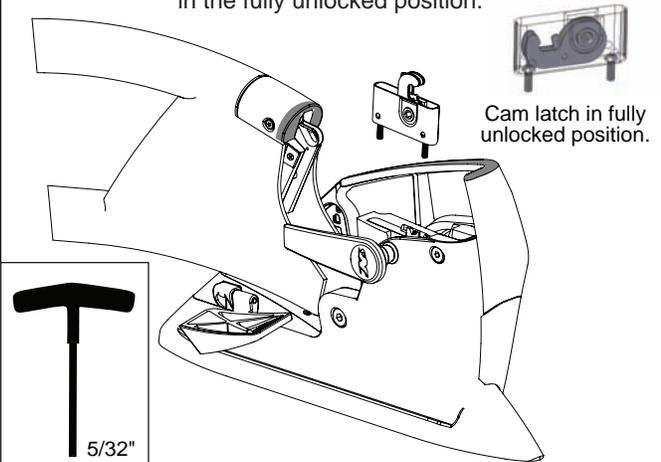
X2

X1

X2

### H

You will notice thin, stainless steel shims in the cam latch recess of the tower foot. Leave the shims in place and install the new cam latch on top of them. The number of shims may need to be adjusted in the next step. Use a 5/32" T-handle Allen key to secure your new cam latch in the tower foot. Re-insert the cam latch handle. Make sure your cam latch is in the fully unlocked position.



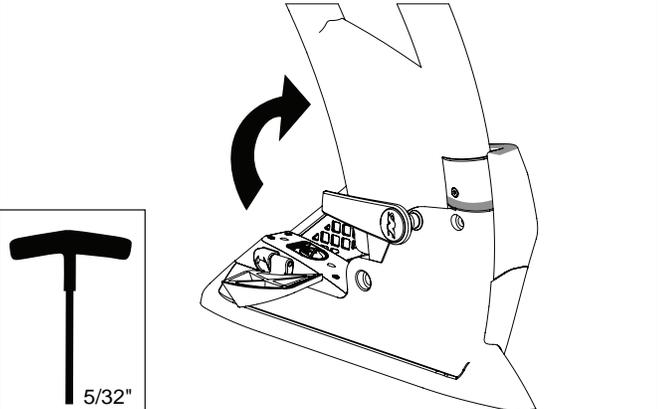
**Cam latch in fully unlocked position.**



5/32"

### I

Slowly raise the tower until it is upright. Lock the port side cam latch by rotating the cam latch handle. Cautiously do the same on the starboard side. If your starboard handle did not experience any resistance when locking, shims need to be removed. If too much resistance was experienced, shims need to be added. Do not apply excessive force when trying to lock the cam latch. If necessary, adjust the amount of shims under the cam latch accordingly and reassemble the cam latch to test the new feel when locking. Do not re-secure the handle and keyway until you are certain that the cam latch has the desired tension.

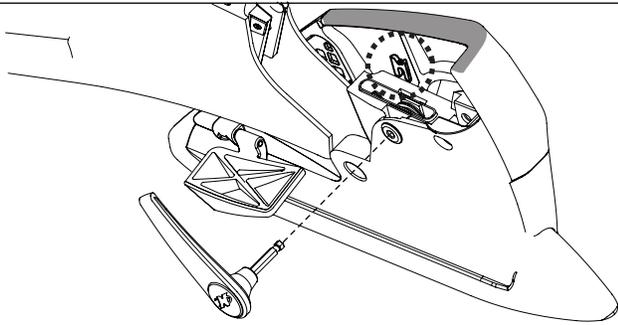



X



5/32"



**J**

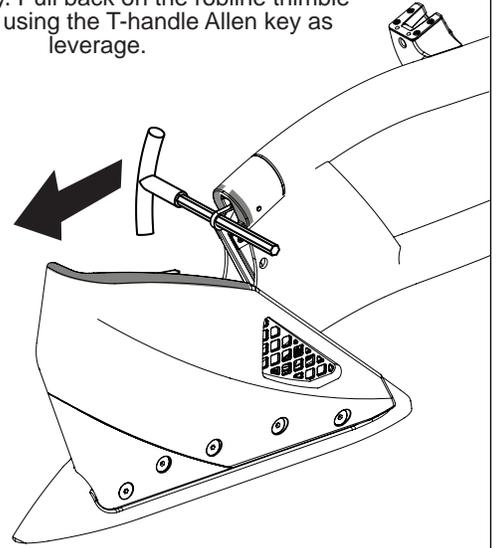
Once your new cam latch is installed correctly, turn and unlock both the port and starboard cam latch handles. Make sure your bridge blocks are still folded out. Slowly lower the tower until it touches the garage blocks. Refer to the angle in which the port side cam latch handle is installed. Verify the starboard cam latch handle is inserted at the same angle. Once it is, slide the keyway over the cam latch handle tool shaft beside the cam latch. With a small flat head screwdriver, tighten the keyway set screw.



After the handle is installed, squirt some white lithium grease into the cam latch housing over the rotating parts of the cam latch.

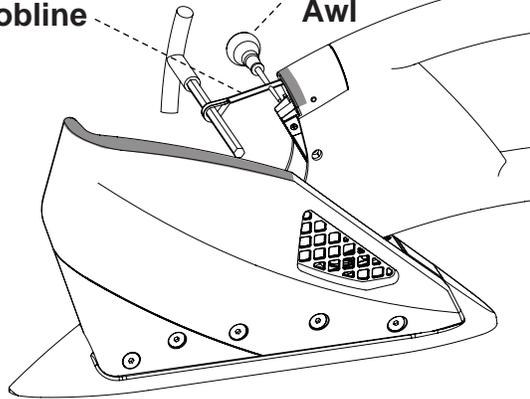
**K**

Insert a 1/2" T-handle Allen Key into the robline thimble as illustrated. Make sure you have a helper close by. Pull back on the robline thimble with 2 hands using the T-handle Allen key as leverage.

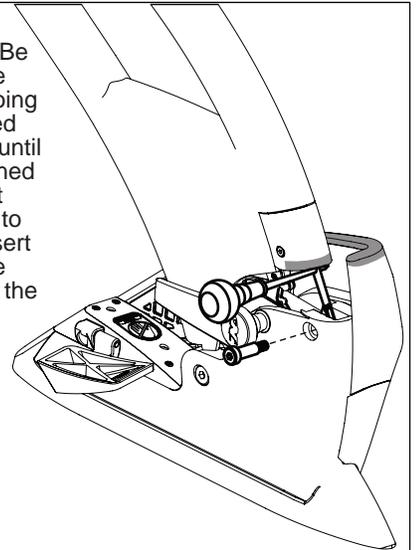
**L**

With the robline thimble pulled back, have your helper insert the scratch awl in the robline just below the knuckle. Be sure to insert the scratch awl in the center of the robline with the handle facing the inside of the tower. With the scratch awl in place, slowly release the tension on the robline thimble and remove the T-handle Allen key. Make sure the sharp point of the scratch awl does not stick out beyond the face of the knuckle.

Robline Scratch Awl

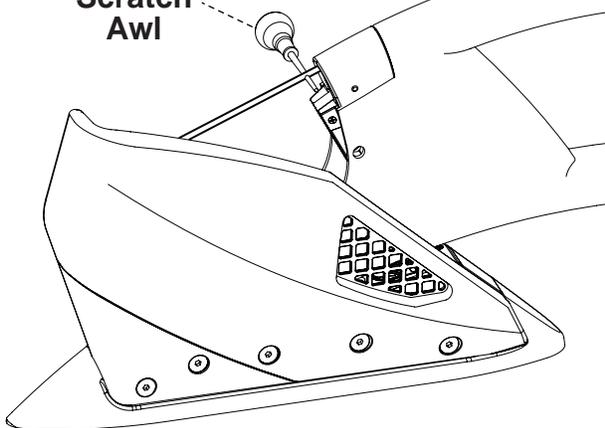
**M**

One person must now slowly raise the tower. Be certain as you raise the tower that nothing is going to hit or damage painted parts. Raise the tower until the robline thimble is lined up with the thimble bolt hole. Apply Red loctite to the thimble bolt. Re-insert the thimble bolt into the tower foot and through the thimble.

**N**

Fold the tower again to release pressure on the scratch awl. Carefully remove the scratch awl. Remove the masking tape from the knuckle and exterior mount plate.

Scratch Awl



REPEAT STEPS A - O  
FOR THE PORT SIDE OF  
YOUR TOWER.

THE STARBOARD SIDE  
WAS ILLUSTRATED  
FOR THESE  
INSTRUCTIONS.

