

## Patriot Docks

### Manual Pontoon / Paddle Boat Lift Assembly Instructions



#### Helpful Tips:

The Aluminum Jacks are operated using a cordless drill or impact driver and 3/4" socket. The Jacks should be operated at a slow speed or in low gear. Raise or lower each jack a couple inches at a time, working your way around the lift, operating each jack evenly to prevent the unit from binding.

Required Tools: 9/16" and 3/4" Wrench or Socket, Philips Screwdriver, Cordless Drill, 1/8" Drill bit

#### Parts List:

- (4) Lift Tube (1.5" x 3.5" x 54" long)
- (4) Stringer Tube (1.5" x 3.5" x 54" long)
- (4) Mending Insert (1.25" x 3.25" x 24" long)
- (8) Poly Bunk Pad / Glide Plate (10" L x 1-1/2" W x 1/2" H)

- (4) Aluminum Screw Jacks
- (4) Aluminum Backer Plate, 5-1/2" x 4"
- (4) Blue Jack Fenders
- (5) (4) Drop Leg Assembly

#### Assembly Hardware:

- (16) 3/8" x 2" Bolt (frame assembly)
- (16) 3/8" x 2.5" Bolt (Installing Jacks)
- (8) 3/8" x 3-1/2" Bolt—may be plastic (mounting bumpers)
- (40) 3/8" Nut
- (8) 1/2" x 2.5" Bolt and Nut (Secures Drop Leg bases)
- (16) Pan Head Screws (secure Bunk Pads)

Lift tube



Stringer Tube  
(welded flat plate)



Mending Insert

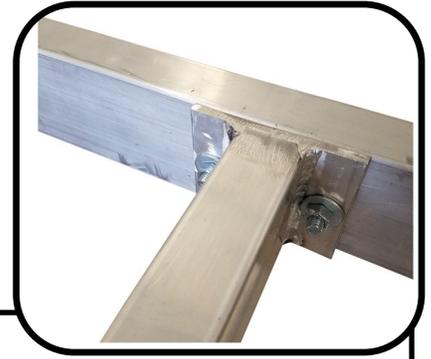


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### Assembling the frame:

Two Lift Tubes are joined together using the Mending Insert, secure using 3/8" x 2" bolt. Repeat this step for the other Lift Tubes as well as for the two pair of Stringer Tubes. This will create the 9' frame pieces.

The Stringer Tubes are then secured to the Lift Tubes using the pre-drilled mounting holes and 3/8" x 2.5" bolts.



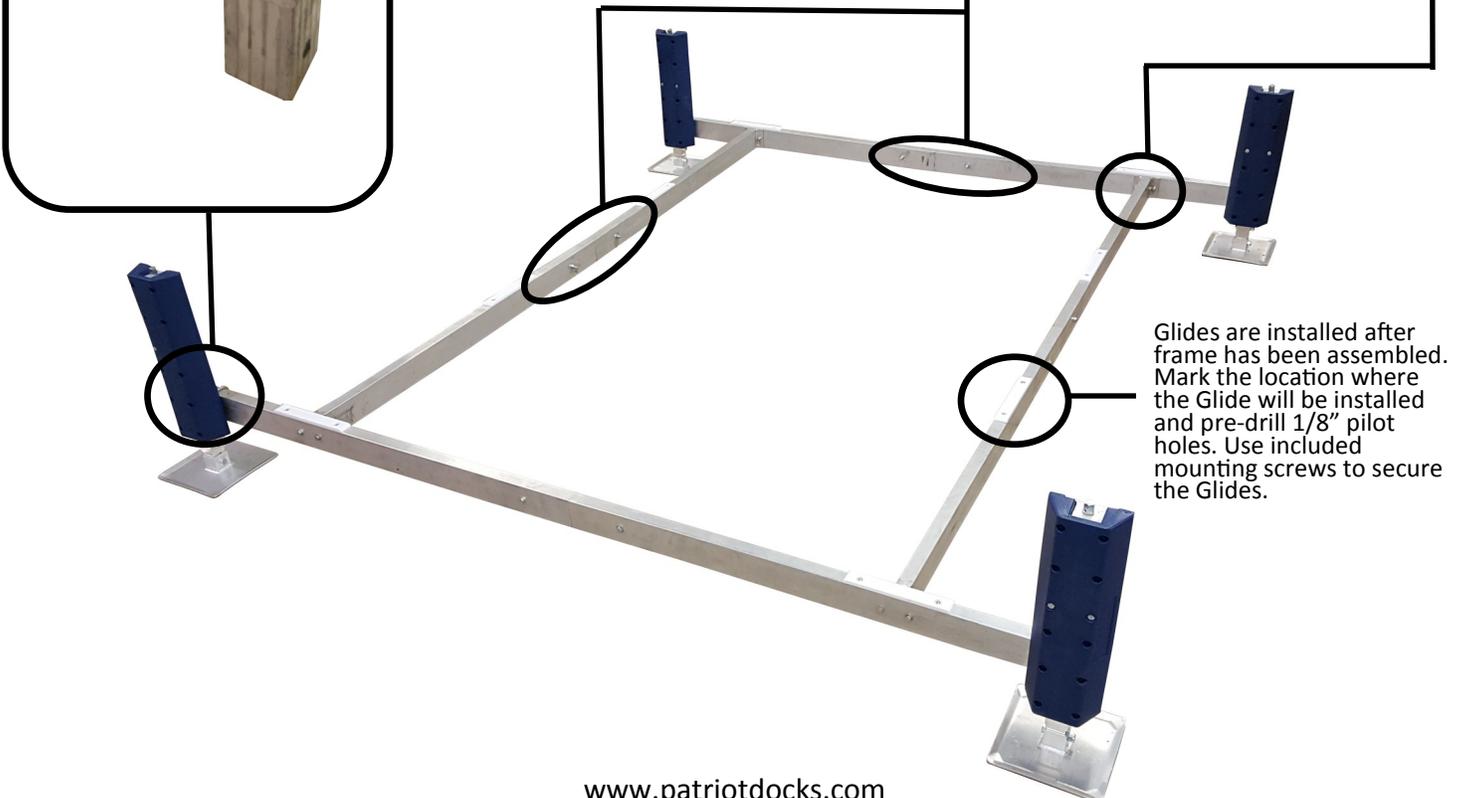
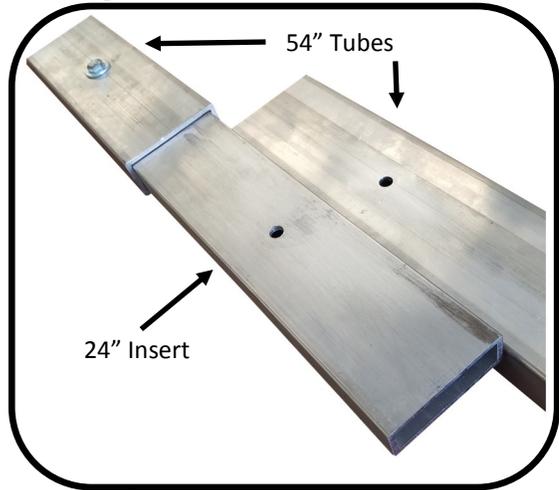
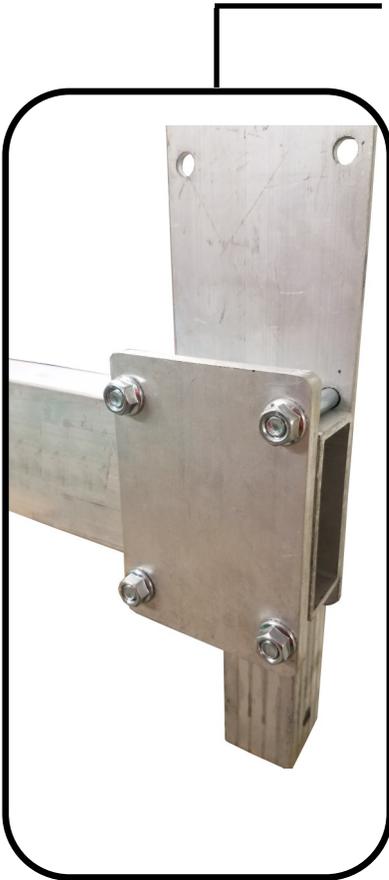
### Aluminum Jack:

Each aluminum jack is mounted using a Backer Plate and four 3/8" x 2-1/2" bolts. All the jack supports should be orientated toward the entrance of the lift (as pictured).

Typically, the jack is mounted using the very bottom set of mounting holes in the flange. For deeper water applications the unit can be mounted higher, creating a higher starting point.

The drop leg base is comprised of two pieces, bolt the vertical tube to the flat base then insert the vertical into the jack and set desired height.

The jack fender is installed last using two 3/8" x 3-1/2" bolts.



Glides are installed after frame has been assembled. Mark the location where the Glide will be installed and pre-drill 1/8" pilot holes. Use included mounting screws to secure the Glides.