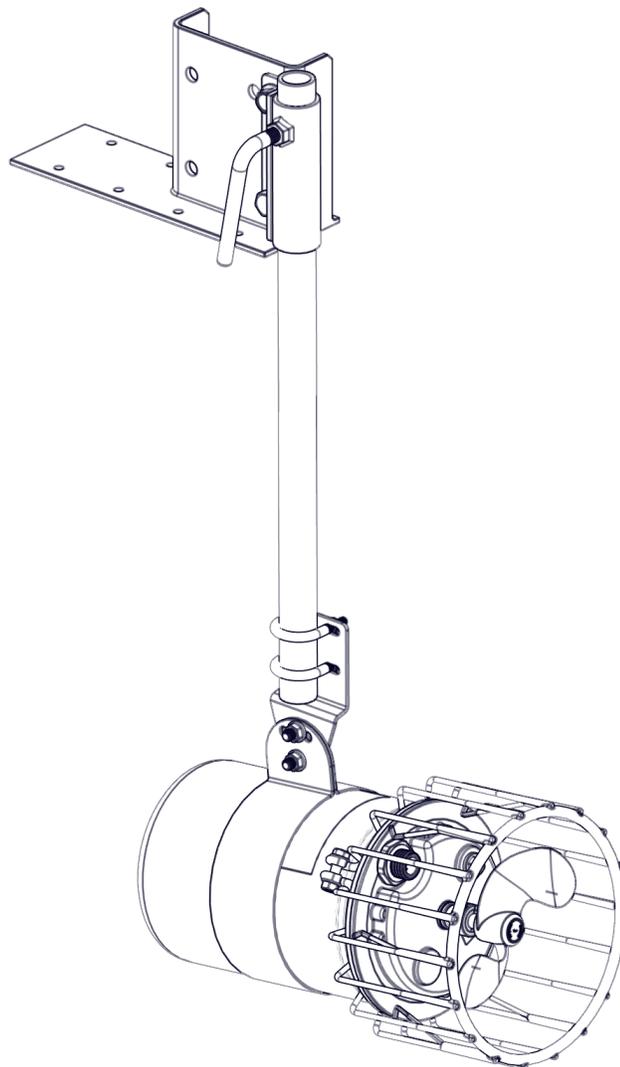




# Assembly Manual

## Universal Mount

Kit # 243485



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## **Suggested Tools and Supplies Needed:**

- 1" or 25mm (Schedule 40) galvanized or stainless steel (pipe diameter 1.90" O.D) pipe. Max 10' long. NOT Included (1)
- Lag screws or bolts for mounting to bracket to dock. Optional U-bolt kit available: PN 997108K
- 3/4" wrench or adjustable wrench
- 9/16" combination wrench
- 9/16" socket wrench
- 3/4" socket wrench

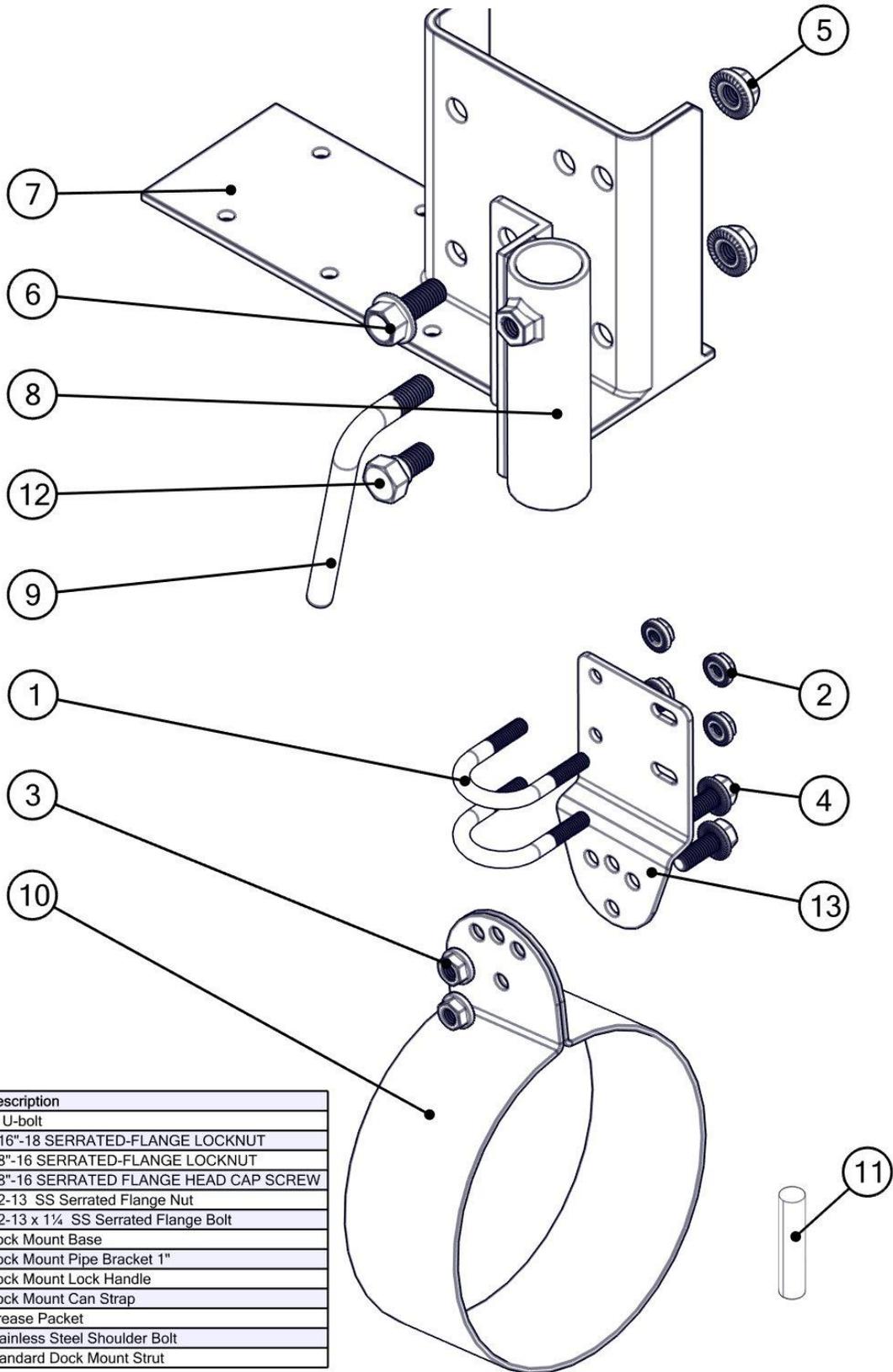
## **Important!**

**Some steps may require the help of another person.**

## **Note:**

Applications may vary, therefore the user is to supply the appropriate lag screws or bolts to secure the mounting bracket to the dock or piling. Kasco strongly suggests stainless steel hardware.

## Parts Included



BOM ID	Qty	Description
1	2	1" U-bolt
2	4	5/16"-18 SERRATED-FLANGE LOCKNUT
3	2	3/8"-16 SERRATED-FLANGE LOCKNUT
4	2	3/8"-16 SERRATED FLANGE HEAD CAP SCREW
5	1	1/2-13 SS Serrated Flange Nut
6	1	1/2-13 x 1 1/4 SS Serrated Flange Bolt
7	1	Dock Mount Base
8	1	Dock Mount Pipe Bracket 1"
9	1	Dock Mount Lock Handle
10	1	Dock Mount Can Strap
11	1	Grease Packet
12	1	Stainless Steel Shoulder Bolt
13	1	Standard Dock Mount Strut

# Mount Assembly

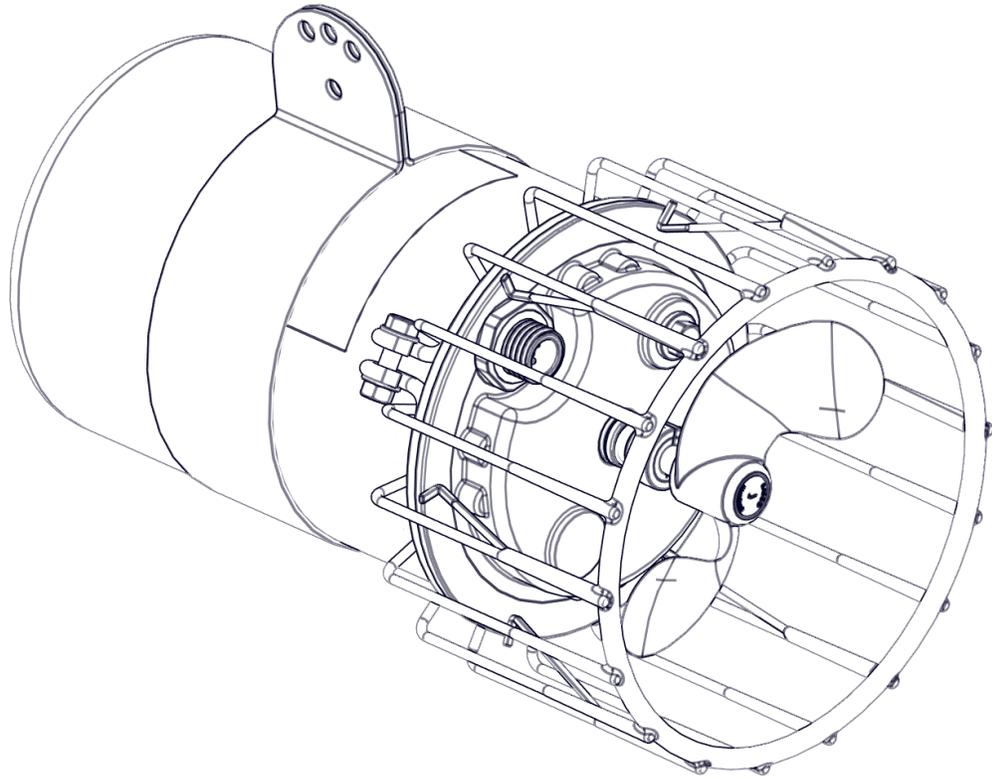


Fig. 1  
Slide Mount Can Strap into position as shown below.

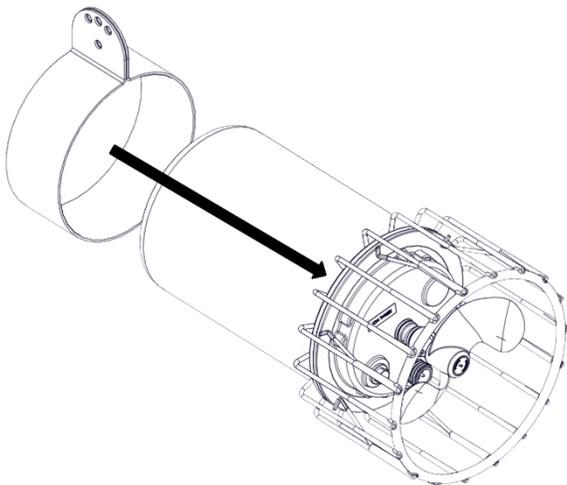
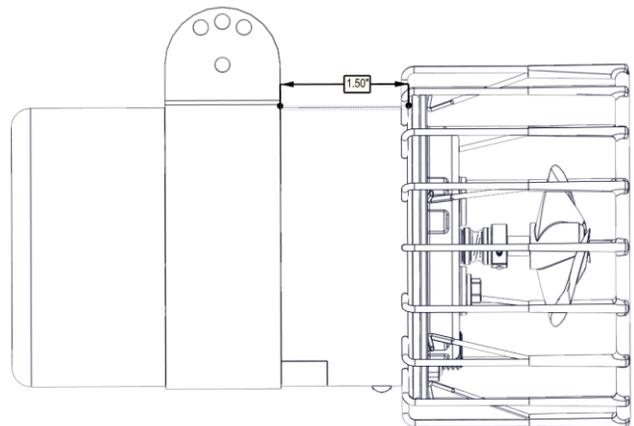


Fig. 2  
Position with a 1-1/2" distance from circulator cage.



## Mount Assembly – cont.

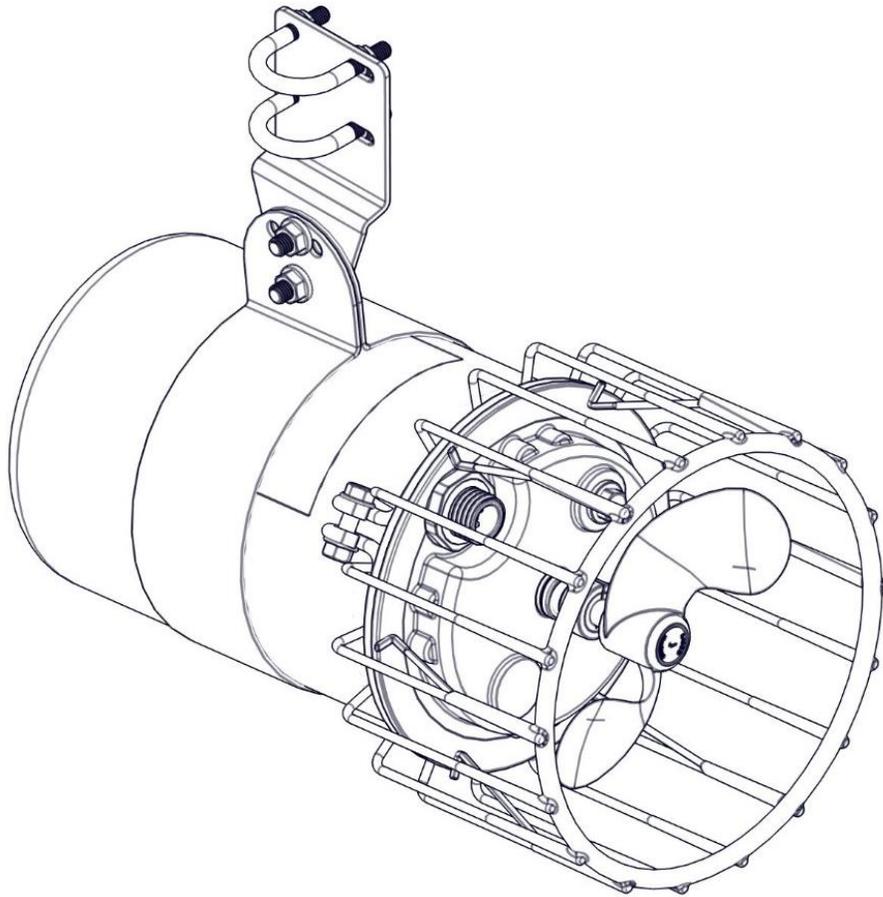


Fig. 3  
Place U-bolts (2) through the holes and the slotted holes on the strut plate, start nuts on threads before inserting pipe.

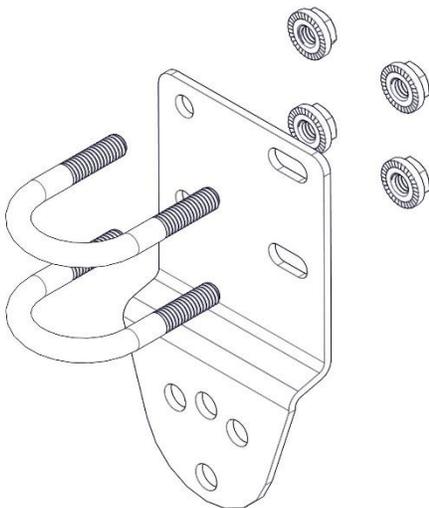


Fig. 4  
Insert pipe, then fully tighten all U-bolt hardware, ensuring that pipe bottoms out on strut plate.

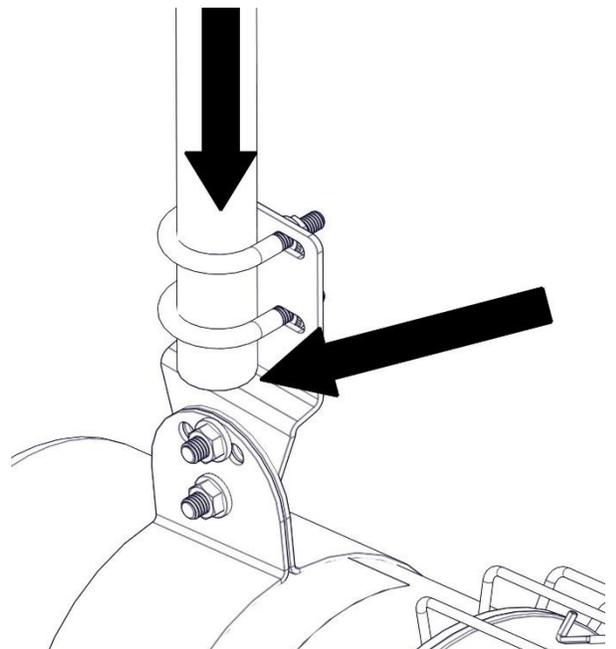


Fig. 5  
Secure mount can strap with (1) 3/8 x 1.00" serrated flange bolt and (1) 3/8" serrated nut. 9/16" wrenches required.

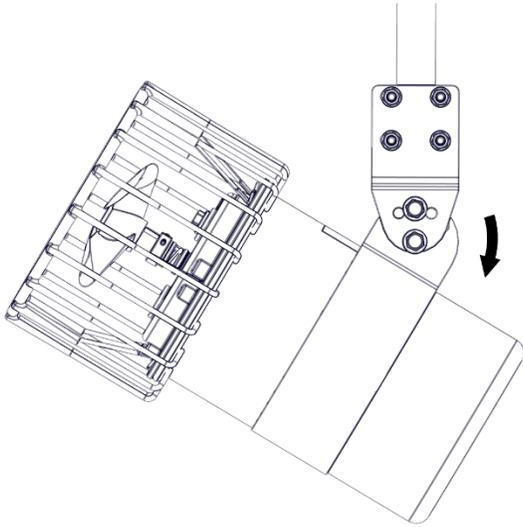


Fig. 6  
Tighten hardware in place making sure the 1-1/2" distance is maintained while tightening.

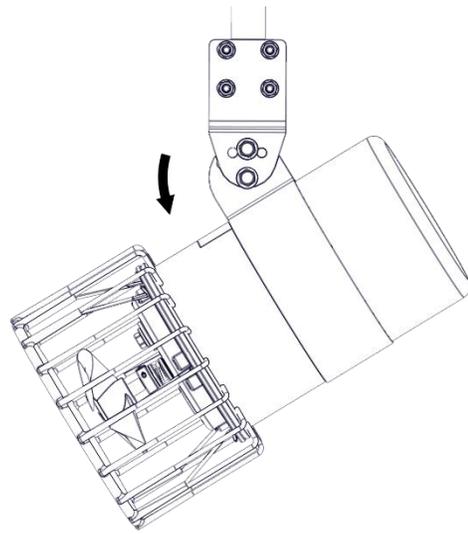
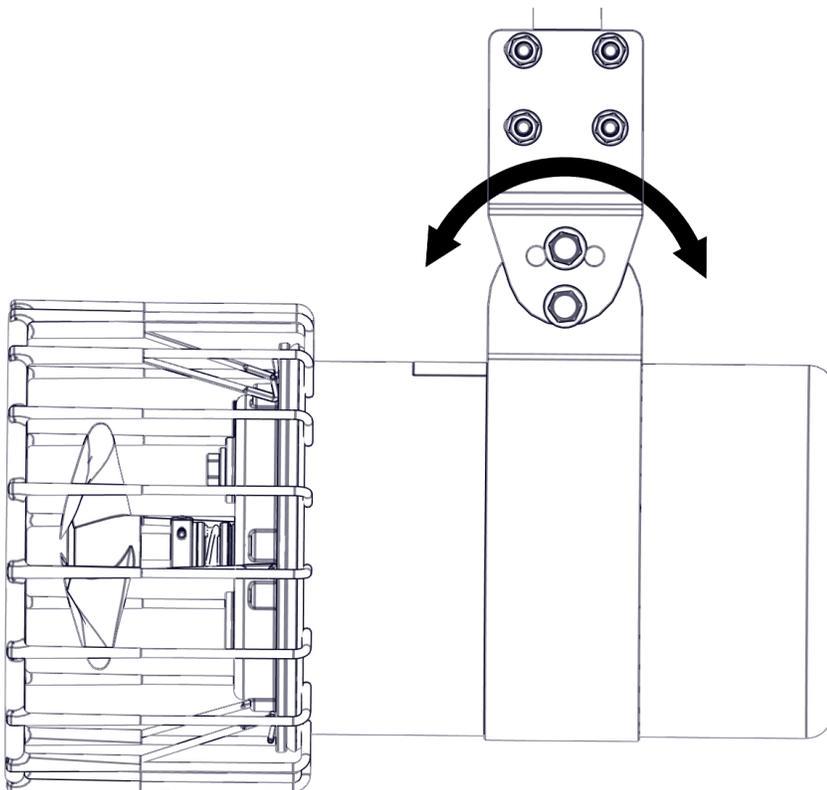


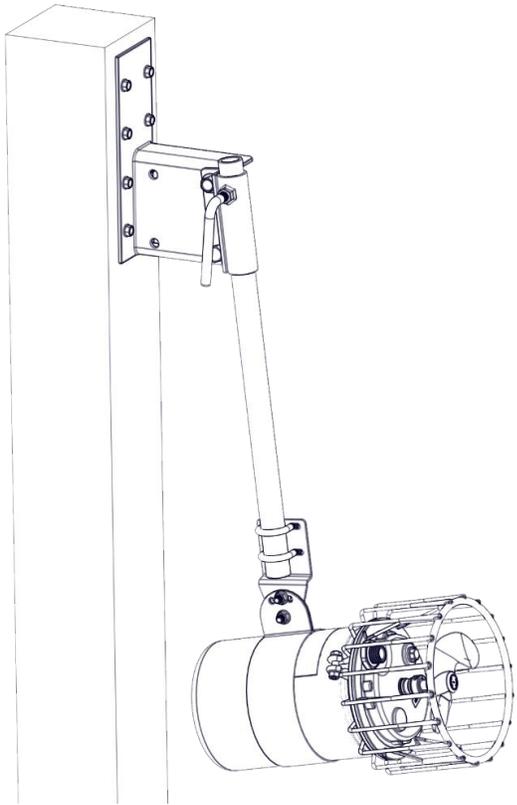
Fig. 7  
The mounting position of the unit is adjustable. After assembly of the unit you may find it necessary to rotate the circulator head to one of three positions.



# Mounting Options

Select desired mounting option and install base plate accordingly

## Piling Mount:



## Dock Mount:

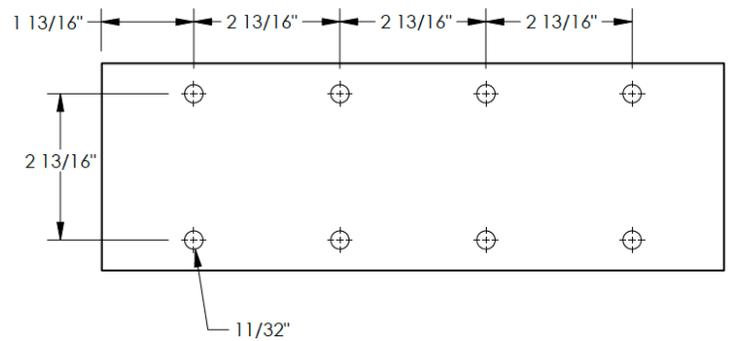
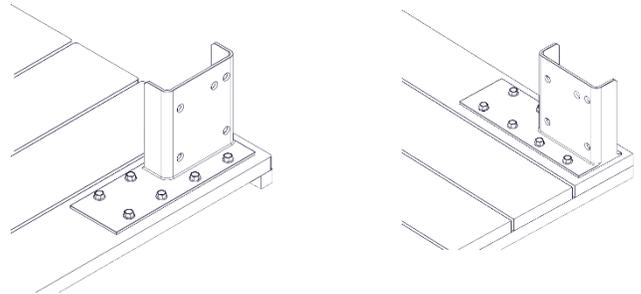
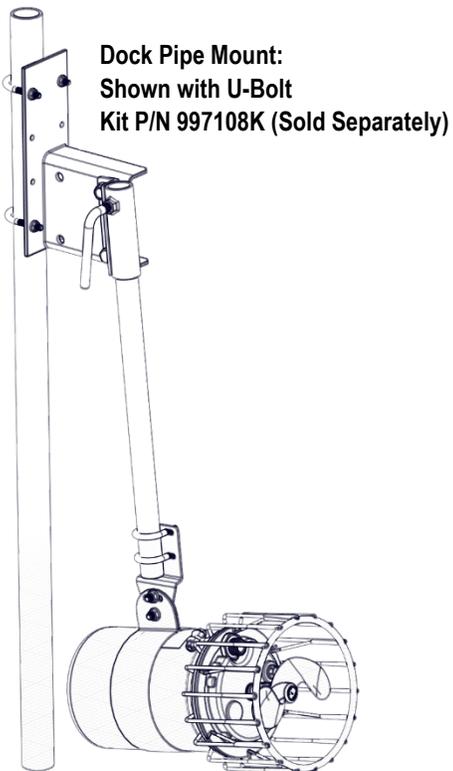
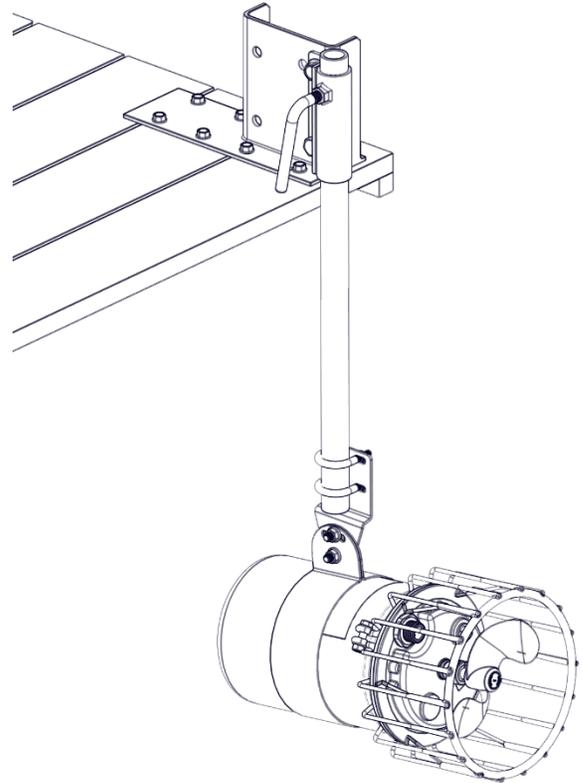


Fig. 8  
Slide pipe clamp over the pipe. Ensure the notched end of the bracket is towards the unit end of the pipe.

To prevent galling, apply a small amount of grease to threads of lock handle.

Secure to pipe with the provided lock handle.

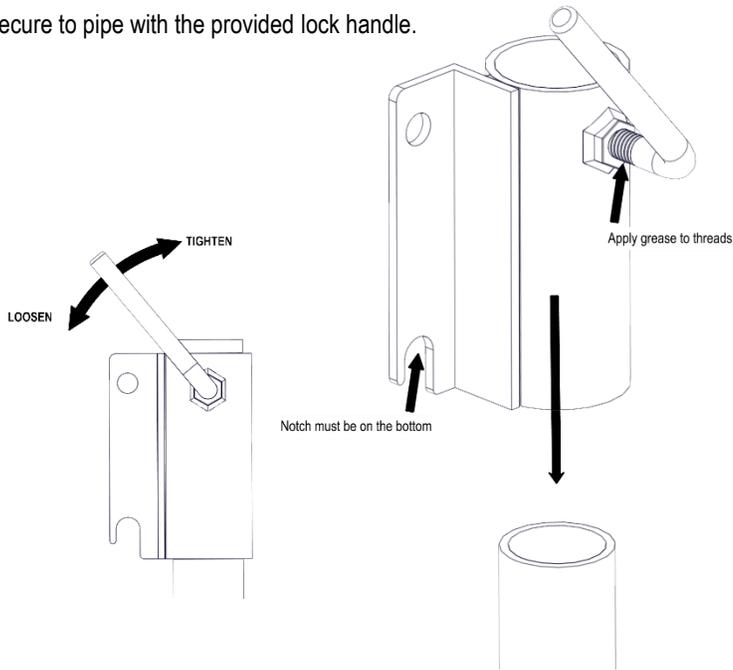


Fig. 9  
**This step may require additional help.**

Secure (1) 1/2-13 x 1-1/2" shoulder bolt, serrated flange nut to the bottom hole location in the dock plate. Once the hardware has been installed, lift assembly into position, align slot with shoulder bolt and lower unit until it rests on the shoulder bolt.

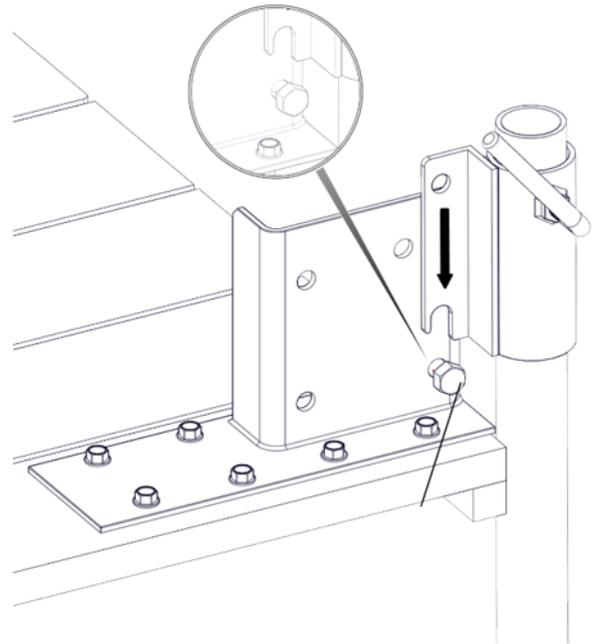


Fig. 10  
Install a 1/2" x 1-1/2" serrated flange screw in the top position hole and secure with serrated flange nut. 3/4" wrenches will be required.

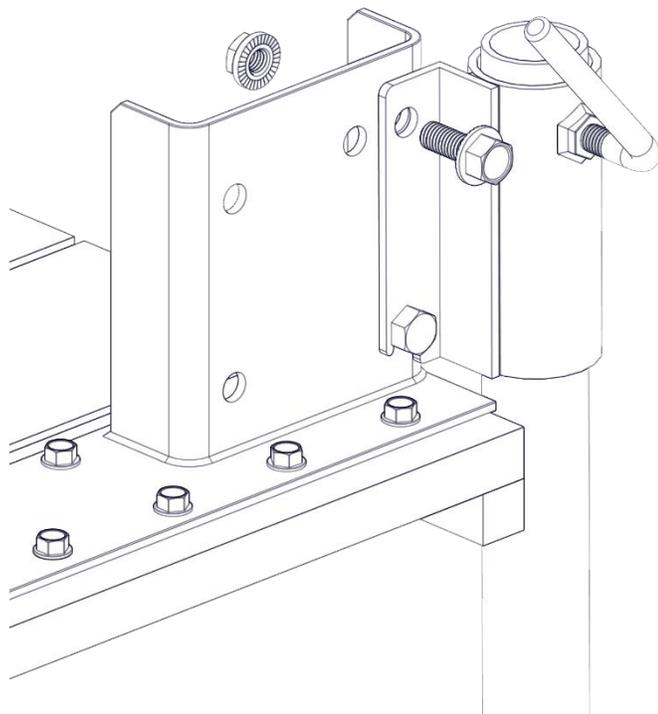
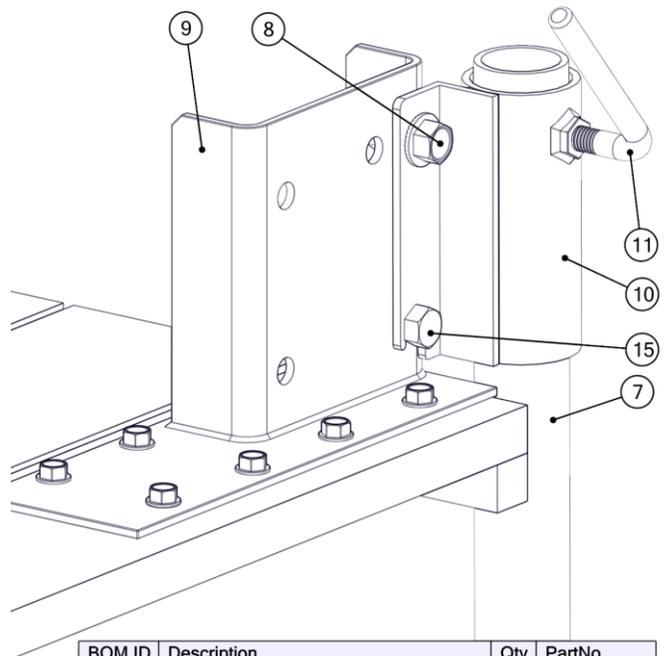


Fig. 11



BOM ID	Description	Qty	PartNo
7	1 1/2" SS Pipe (Not Provided)	1	Not Provided
8	1/2-13 x 1 1/4 304 SS Serrated Flange Bolt	1	840531
9	Dock Mount Base	1	997102
10	Dock Mount Pipe Bracket 1 1/2"	1	997117
11	Dock Mount Lock Handle	1	997170
15	1/2-13 Shoulder Screw	1	451114

## Adjustments and Storage

Fig. 12

Unit can be adjusted up or down or swiveled left or right depending on your situation and location.

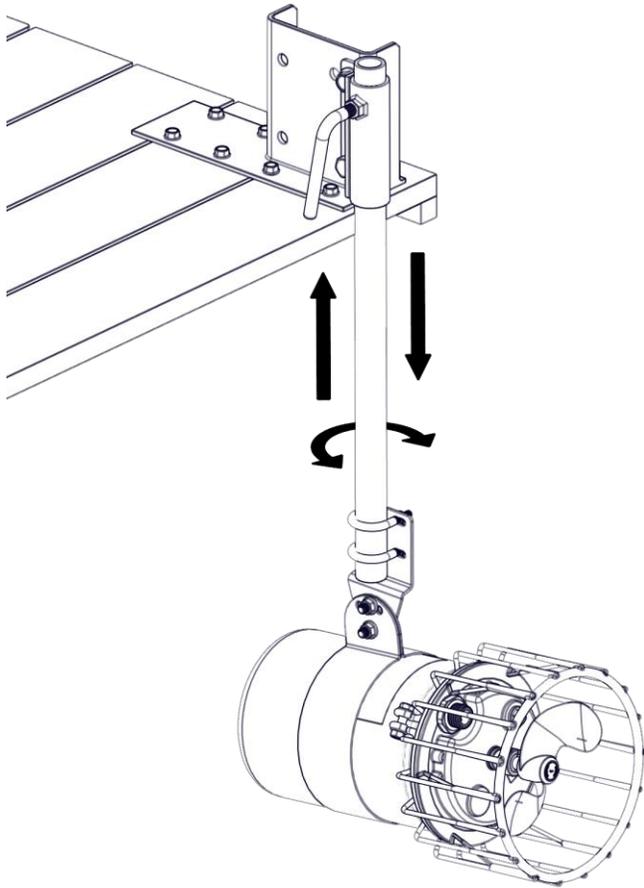
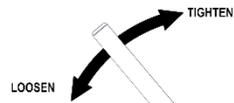
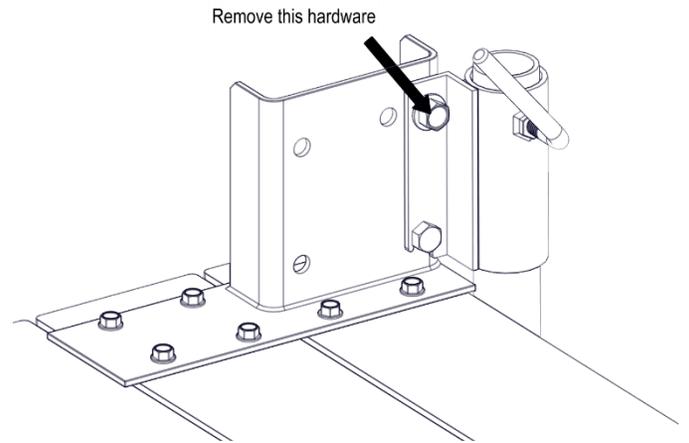


Fig. 13

For storage or unit maintenance, the unit can be pivoted up and out of the water by removing the top  $\frac{1}{2}$ " x  $1\frac{1}{2}$ " hardware and pivoting the unit 90 degrees. Unit can be removed entirely from dock mount if required, by lifting slot off shoulder bolt



Maintenance and cleaning position:

