

**Read all instructions carefully & check all components are present before discarding packing materials.**

## Assembly Procedure

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**Caution:**

The Swing Aside Mount can support equipment that is heavy enough to unbalance an unoccupied or lightweight manual wheelchair when swung out to the side. It is recommended to remove the device and/or mount before the wheelchair is vacated.

The horizontal tube assembly is pre-installed; tube length cannot be changed after ordering. Standard length 16". Contact Daedalus Technologies for more information.

## Identify the Parts

Use the parts list and diagram below to identify each part and ensure all parts are included.

Part Code	Part Name
S22x3	Vertical S-bend Tube (22" long with 3" offset)
Horizontal Tube Assembly	Swing Aside Rotate Head, Tube & Cable
ROP-RFCR	Removable Outer Piece & Receiver
UFCxxxxIP or MH3/IPA	<b>Frame Clamp</b> (*parts will vary based on wheelchair, look for anything with an IP or IPA engraved on it)
TUSB	Total Quick Release Base
Tools	Assembly Tools
	Assembly Instructions

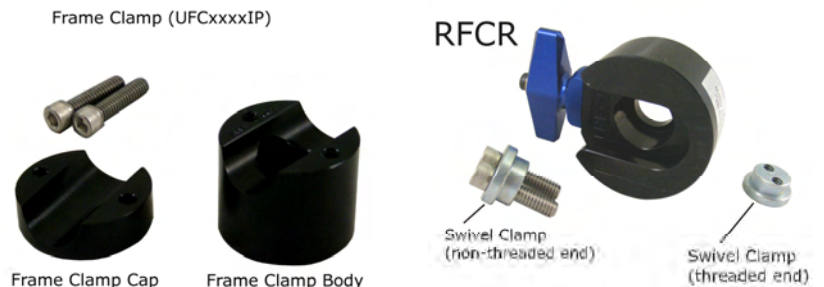


## The Frame Clamp Assembly

This step requires 2 components:

- Frame Clamp (UFCxxxxIP)
- RFCR

The Frame Clamp varies depending on the type of wheelchair, it may not be exactly as shown, “Frame Clamp” most commonly refers to UFCxxxxIP, but there are others all of which will include IP or IPA in their part code. These instructions are specific to mounts with a UFCxxxxIP; other types of frame clamps will include separate assembly instructions. Identify the Frame Clamp and the RFCR.



- Remove the cap from the Frame Clamp.
- Remove the Swivel Clamp from the RFCR.

Align the grooves on the RFCR with the grooves on the frame clamp (photo below left). Put the non-threaded half of the swivel clamp into the RFCR (with the bolts pushed through). Put the threaded half into the Frame Clamp body and begin tightening the bolts, alternating between the two. Do not fully tighten the bolts. The RFCR and the UFCxxxxIP should be able to swivel freely. See photos below.



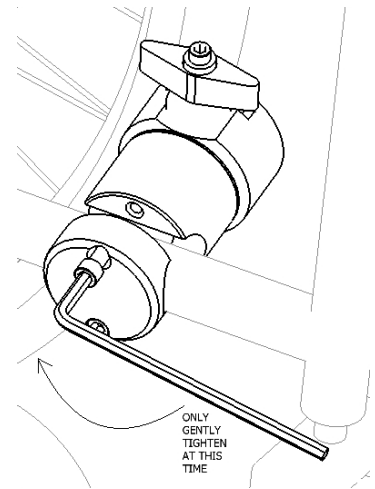
## Attach Frame Clamp Assembly to Wheelchair Frame

This step requires 2 components:

- Wheelchair
- Frame Clamp Assembly

Find the location on the wheelchair to attach the Frame Clamp Assembly (this should have been identified prior to ordering); most often the location will be either near the front caster wheel or on the seat frame. Make sure the location is part of the wheelchair frame, not a movable attachment like the footrest.

At the selected location; fit the Frame Clamp Assembly around the tube. Replace the bolts and gently tighten them, do NOT fully tighten them at this time. The frame clamp “cap” should face towards the **inside** of the wheelchair.



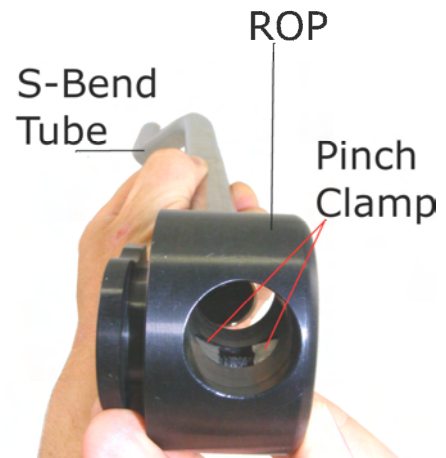
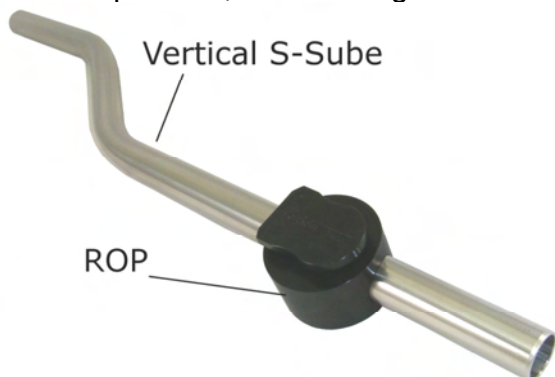
## Orient Frame Clamp Assembly

The most common option is to assemble this mount with the Blue Handle at the top (pointing upwards). The Frame Clamp “Cap” must be on the inside and the RFCR on the outside of the chair (as shown in the photos to right). All bolts should still be loose enough to allow adjustment.



## Attach the ROP to the Vertical S-bend Tube.

Using one finger, align the Pinch Clamp with the inside of the tube-hole in the ROP. Slide the ROP onto the tube to the desired position, and then tighten the Pinch Clamp.



## Align the Frame Clamp Assembly

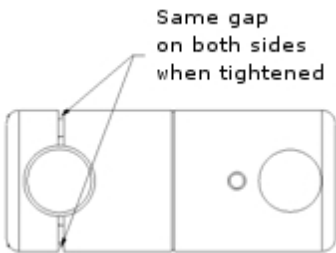
This step requires 3 components:

- Wheelchair
- Frame Clamp Assembly (loosely attached to chair)
- Vertical S-bend Tube (ROP Attached)

Slide the Vertical S-Bend Tube into the Frame Clamp Assembly. Use the tube as a lever in the outer piece to align the Frame Clamp Assembly.

**Sideways alignment:** Hold the Vertical S-Bend Tube parallel to the wheelchair and tighten the Frame Clamp “Cap” bolts alternating between each bolt.

When completely tight there should be a gap of 1/32” to 1/64” between the Cap & Body of the frame clamp on round tube. A larger gap indicates the frame clamp may be too small for the tube. If there is no gap and the inner piece does not clamp the wheelchair tube firmly; up to 4 layers of aluminum foil may be wrapped around the wheelchair tube, however if more layers are needed it indicates the frame clamp is too large. Contact Daedalus Technologies for information on adapter sleeves.



## Forward/Backward Alignment

Align the Vertical S-Bend Tube then carefully remove the tube to access the Swivel Clamp bolts taking care not to move the RFCR. Alternate between the two bolts several times, tightening each one until the two bolts are as tight as possible.

## Adjust the height and S-bend orientation

Loosen the Pinch Clamp on the ROP. Adjust the Vertical S-Bend tube to correct height and orientation. Tighten the Pinch Clamp.



**Caution:**  
The bolt on the Pinch Clamp should not be excessively tightened. The Pinch Clamp grips the Vertical S-Bend tube sufficient to prevent it rotating in the Index Clamp or Removable Outer Piece when the Horizontal Tube is pushed firmly by a user. By design the Pinch Clamp does not provide an immovable grip. Extreme tightening of the Pinch Clamp bolt on the Vertical S-Bend tube in an attempt to prevent the Horizontal Tube from moving when very forcefully pushed will crush the tube and jam the Pinch Clamp. DAESSY mounting assemblies are designed to carry the weight of a computer or communication device and are not intended to resist a strong force exerted by the user.

## Setting the Swing Aside Direction

The DAESSY Swing Aside Mount is shipped with the Rotate Head setup for installation on the Right side of a wheelchair. If necessary follow the below steps to change for Left side installation.

- Remove the center bolt from the blue direction pin.
- Remove the pin, rotate it 180° until the diamond (◊) is positioned under the 'L', re-insert the pin.
- Reinstall the center bolt and tighten snug but not too tight.



## Install Horizontal Tube Assembly

The Swing Aside Rotate Assembly has three lock-pin position holes around the silver collar.

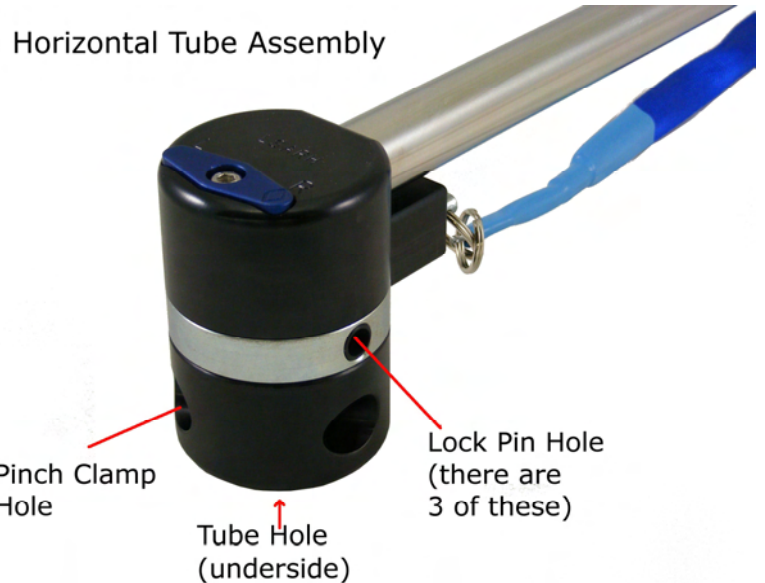
The mount is shipped with the attached tube positioned with the lock-pin in the center position hole; this is the "in-use" position.

Remove the packing material from the tube hole retaining the Pinch Clamp. Be careful not to lose the Pinch Clamp.

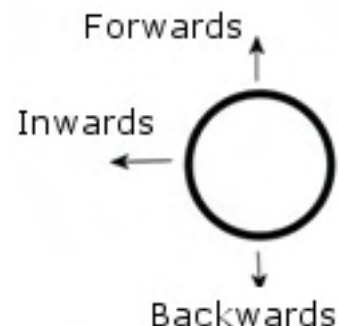
Slide the Assembly onto the top of the Vertical Tube. The Pinch Clamp must be aligned in its hole so that it is even with the inside of the tube hole to allow the tube to slide through completely. Gently tighten the Pinch Clamp bolt.

Adjust the positioning of the Assembly so the lock-pin position holes are oriented with one facing forward, one towards the inside of the wheelchair, and one facing rearward. The assembly is shipped such that this will position the horizontal tube across the chair ("in-use" position).

Tighten the Pinch Clamp bolt firmly.



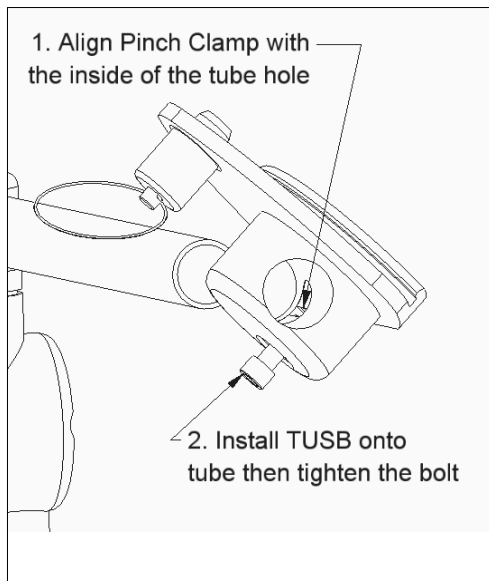
## Lock Pin Hole Orientation



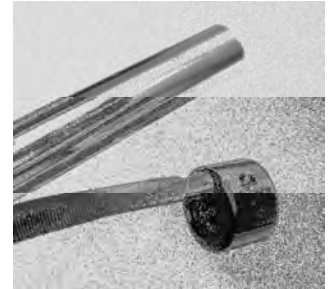
## ***Install the Total Quick Release Base – TUSB***

Remove the foam plug retaining the Pinch Clamp in its hole in the TUSB and slide it onto the Horizontal Tube. The Pinch Clamp must be aligned in its hole so that it is even with the inside of the tube hole to allow the tube to slide through.

1. Loosen the cable anchor bolt and slide the anchor off the end of the horizontal tube.



2. Slide the TUSB onto the Horizontal Tube. The Pinch Clamp must be aligned in its hole so that it is even with the inside of the tube hole to allow the tube to slide through.



3. Position the angle of the quick release base and tighten the Pinch Clamp bolt firmly to hold the TUSB in place.

4. Reinstall the cable anchor and firmly tighten the anchor bolt.

## ***Quick Release Orientation***

The Total Quick Release Base can be clamped at any location along the Horizontal Tube and may be rotated around the tube to place the mounted device at any angle. The normal orientation for

the TUSB is with the Locking Pin positioned away from the user. Adapters and Holders that attach devices and computers onto the TUSB are assembled for this orientation.

## **Final Adjustments**

Ensure that all of the fasteners are tight including; frame clamp, swivel clamp, and pinch clamp.