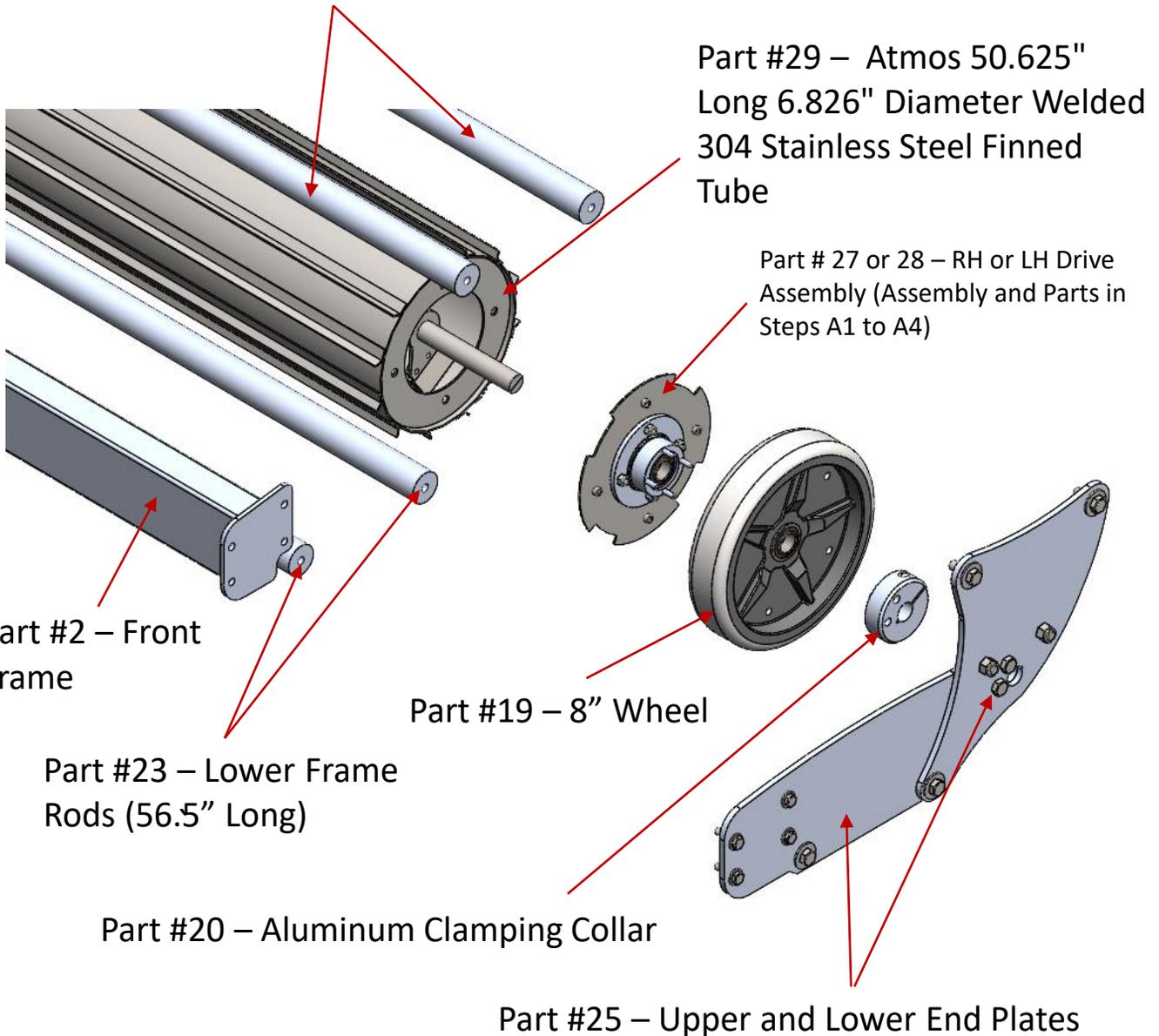


Atmos 50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube - Installation Instructions

Note: The Following instructions will cover the complete installation of a 50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube for your Atmos Magnetic Sweeper.

Main Components Diagram

Part #24 – Upper Frame Rods (57" Long)



RH and LH Drive Assembly – Parts Diagram

Note: The RH and LH Drive Assemblies need to be assembled before installation of the Stainless Finned Tube can begin. All Parts in the Diagram Below except Part #26 are identical on both the Stainless or PVC Finned Tubes.

Part #18 – 10-24 Nuts x4

Part #17 – Freewheel Clamp

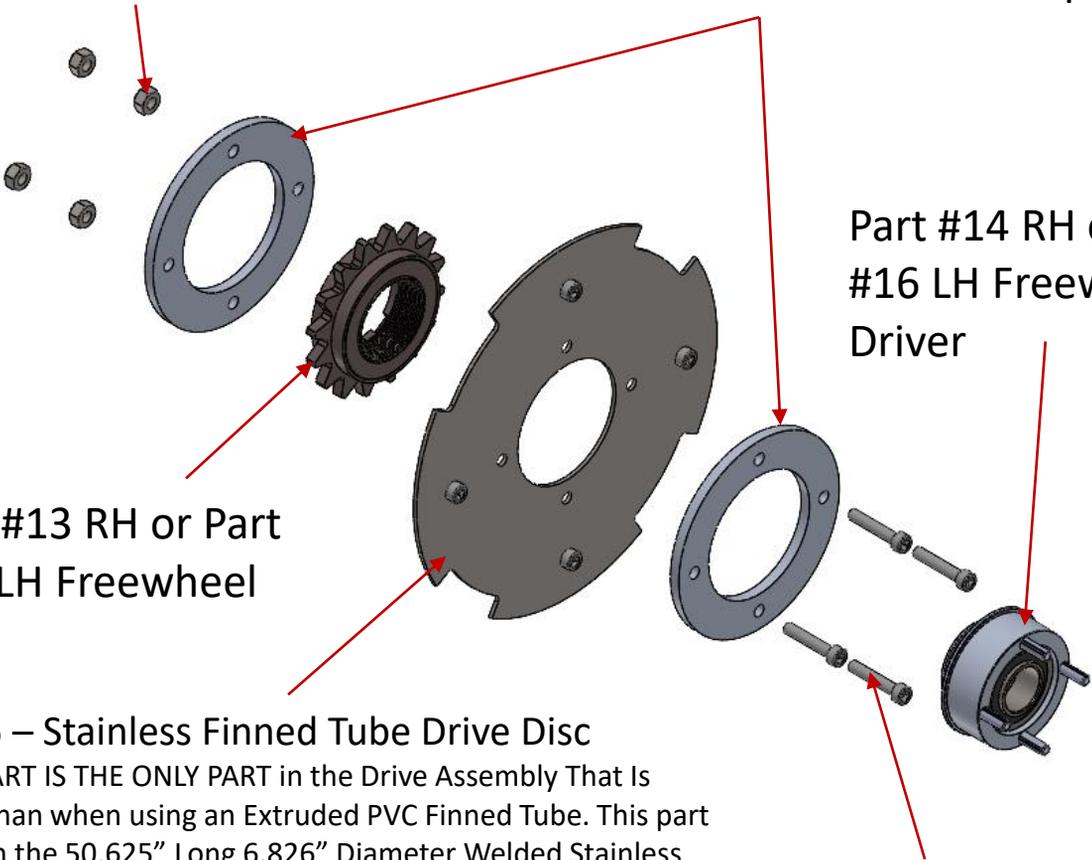
Part #13 RH or Part
#15 LH Freewheel

Part #14 RH or Part
#16 LH Freewheel
Driver

Part #26 – Stainless Finned Tube Drive Disc

THIS PART IS THE ONLY PART in the Drive Assembly That Is **Different** than when using an Extruded PVC Finned Tube. This part comes with the 50.625" Long 6.826" Diameter Welded Stainless Steel Finned Tube

Part #18 – 10-24 x 1" Bolts x 4



Note: the above diagram is for both RH and LH Sides of the Sweeper.

- Select the correct LH or RH Freewheel by standing behind the sweeper as if you were going to push it forward.
 - On the right side of sweeper (caster wheel side is front), use the Part #13 RH Freewheel (one with 4 notches)
 - On the left side of sweeper (caster wheel side is front), use the Part #15 LH Freewheel (one with 6 notches)
- Use the corresponding Part #14 RH of #16 LH Freewheel Driver for each side.

Step #A1

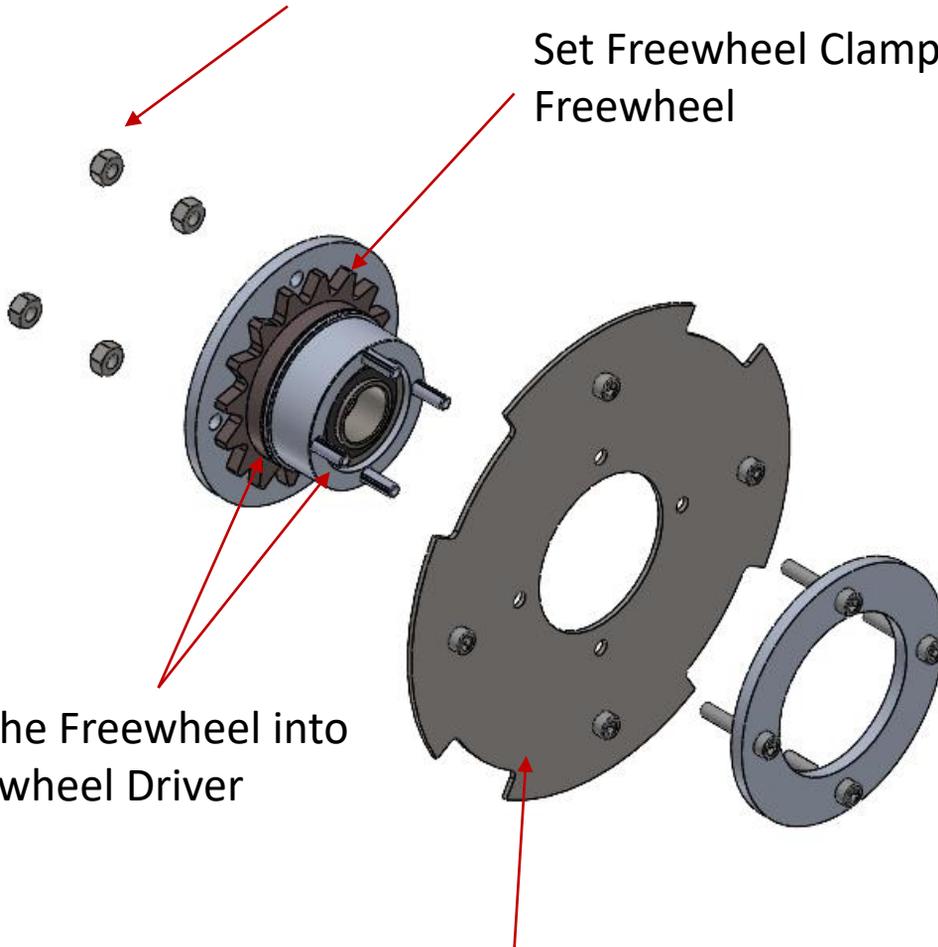
Assembly of RH of LH Drive

Part #18 – 10-24 Nuts x4

Set Freewheel Clamp Around
Freewheel

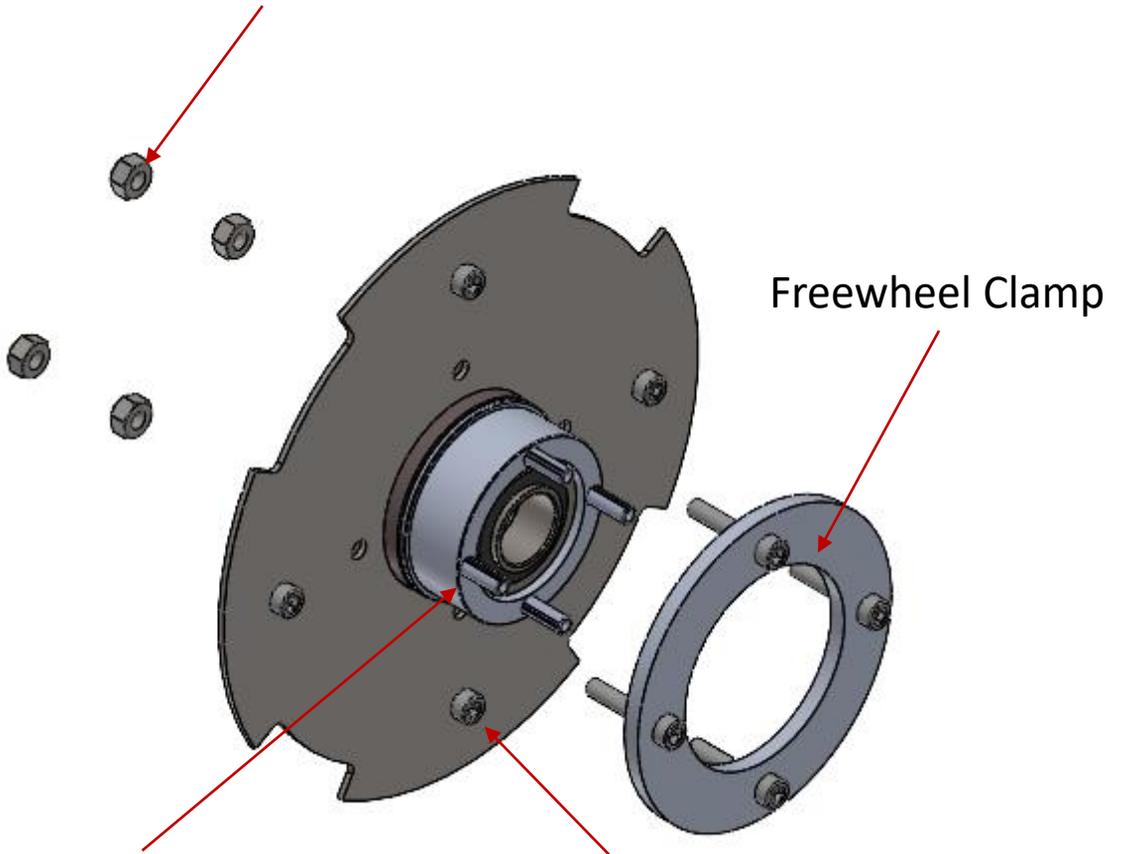
Thread the Freewheel into
the Freewheel Driver

Stainless Finned Tube
Drive Disc



Assembly of RH of LH Drive

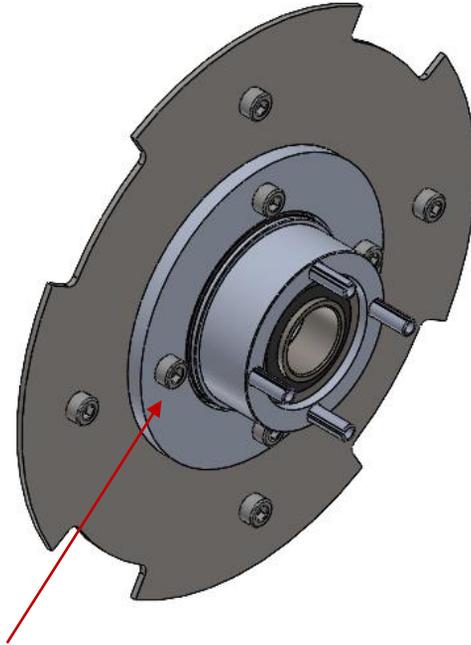
Part #18 – 10-24 Nuts x4



Insert Freewheel and the
Freewheel Driver with
Freewheel Clamp into the
Stainless Tube End

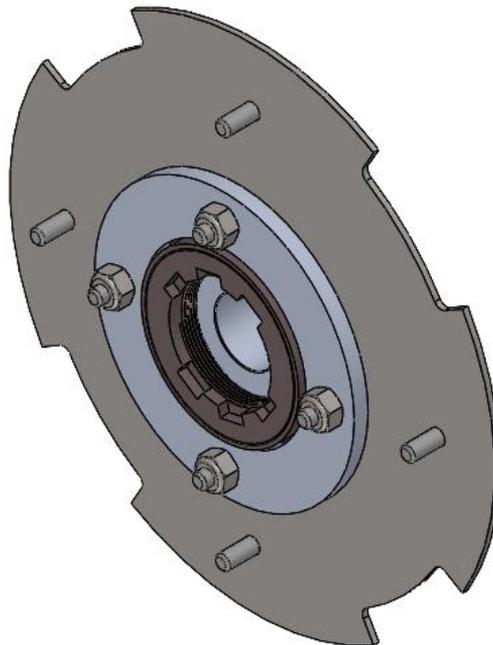
Stainless Finned Tube Drive
Disc

Assembly of RH of LH Drive



View of Completed
Outside.

Install Clamping Collar and tighten
all 4x 10-24 stainless nyloc nuts on
back side evenly

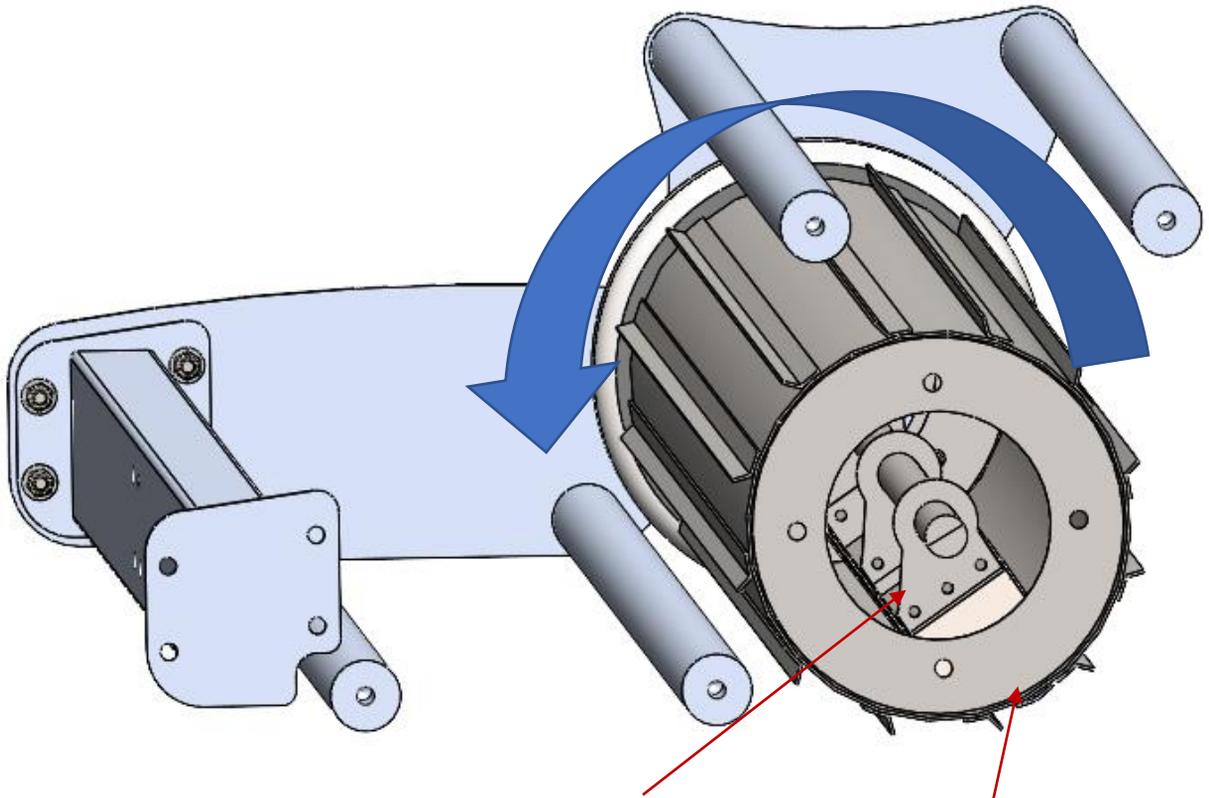


View of Completed
Inside.

Repeat for Opposite Side Driver Assembly.

Step #A4

50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation



Part #9 - Magnet Assembly
(Stationary)

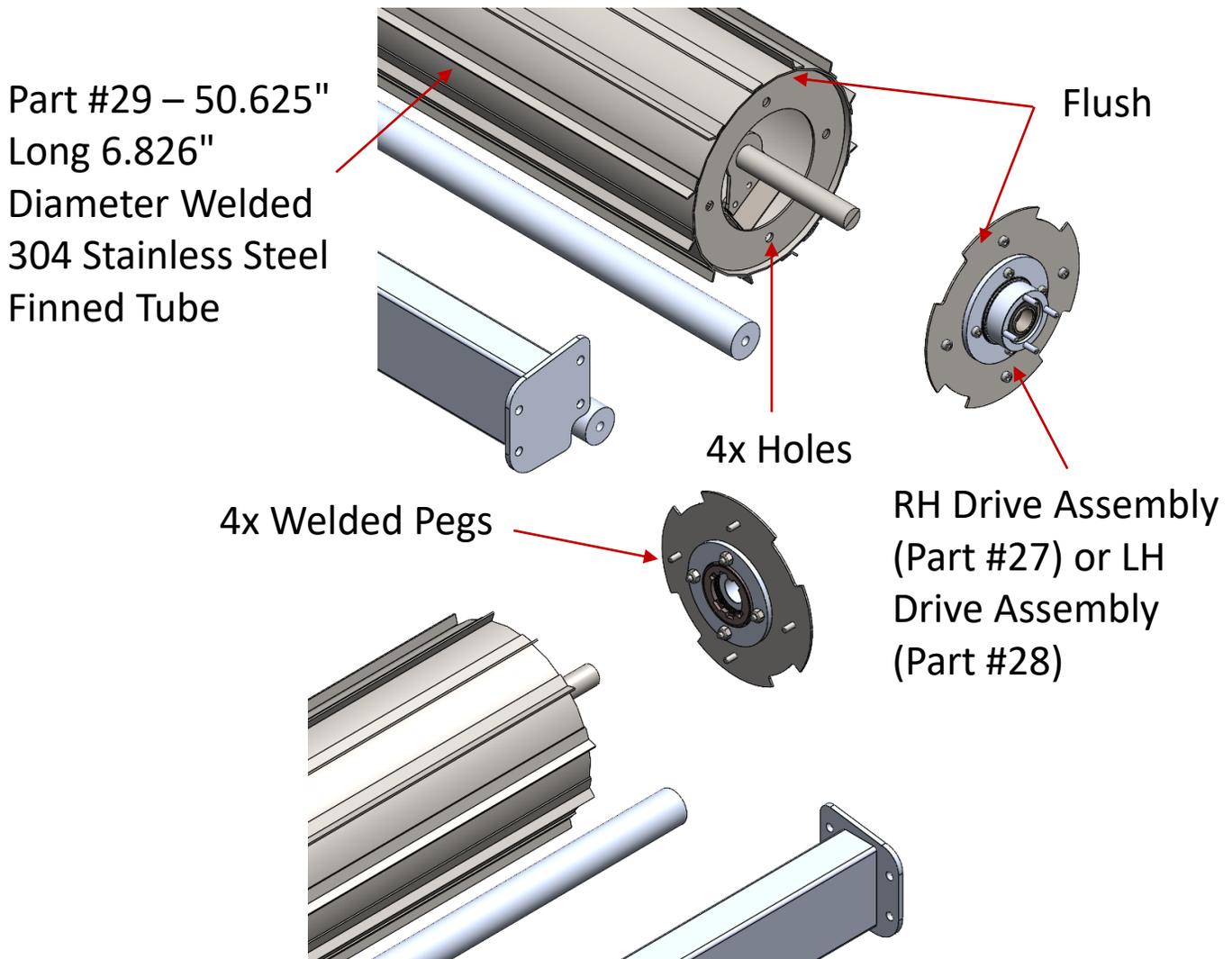
Part #29 – 50.625" Long 6.826"
Diameter Welded 304 Stainless
Steel Finned Tube

- Install the new 50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube so that the orientation of the fins on the Tube and the position of the Magnet Assembly are exactly as shown in this image.

Note: If the Tube and the Magnet are not positioned as shown, your sweeper will not function properly.

Step #B1

50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation

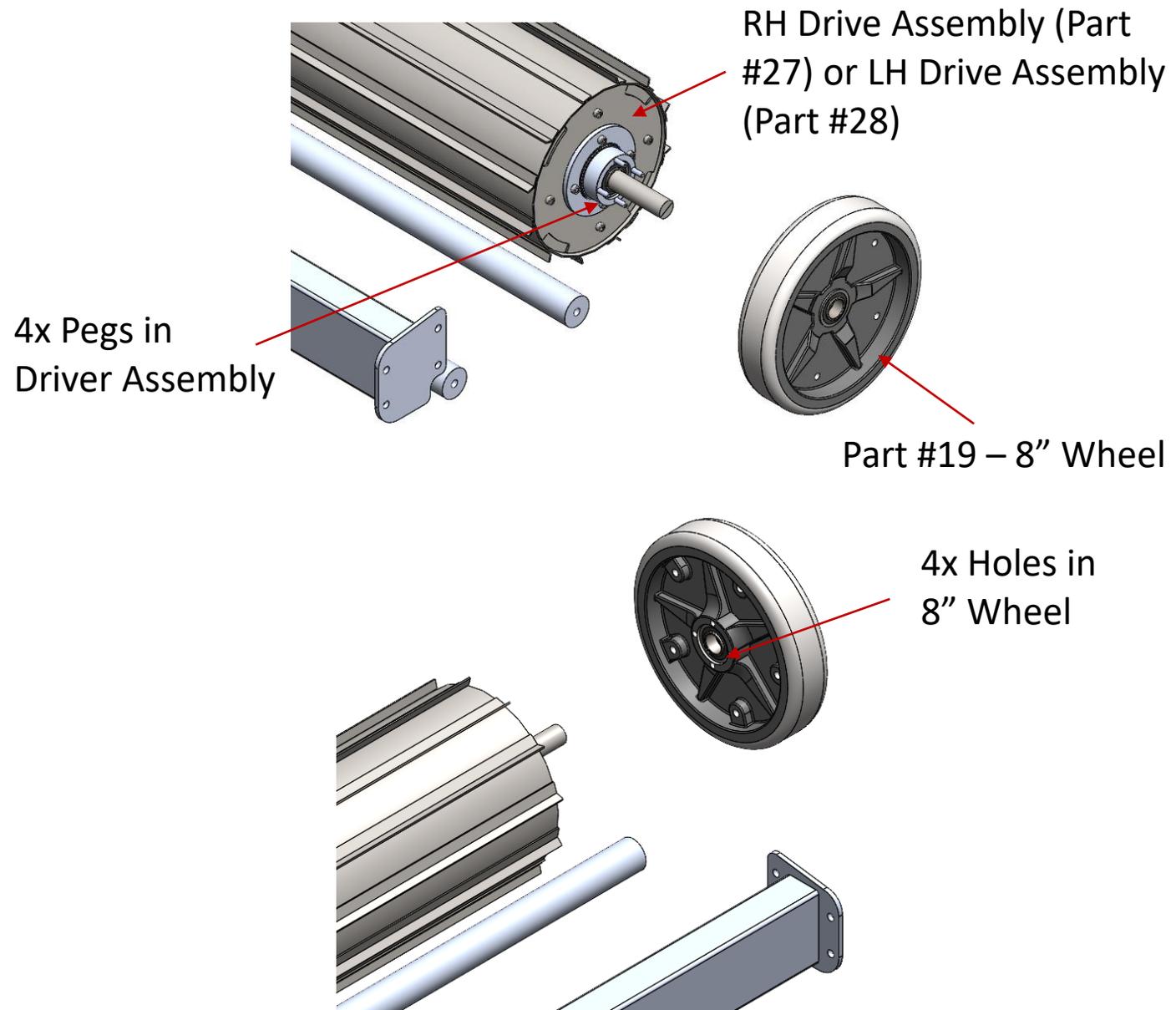


- Install the Correct Driver Assembly ovetop of the axle and inside the end of the 50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube.

Note: The Driver Assembly will fit inside the end of the 50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube. It will be flush with the end of the tube with all 4 pegs inserted into the corresponding holes in the end of the Stainless Finned Tube.

Step #B2

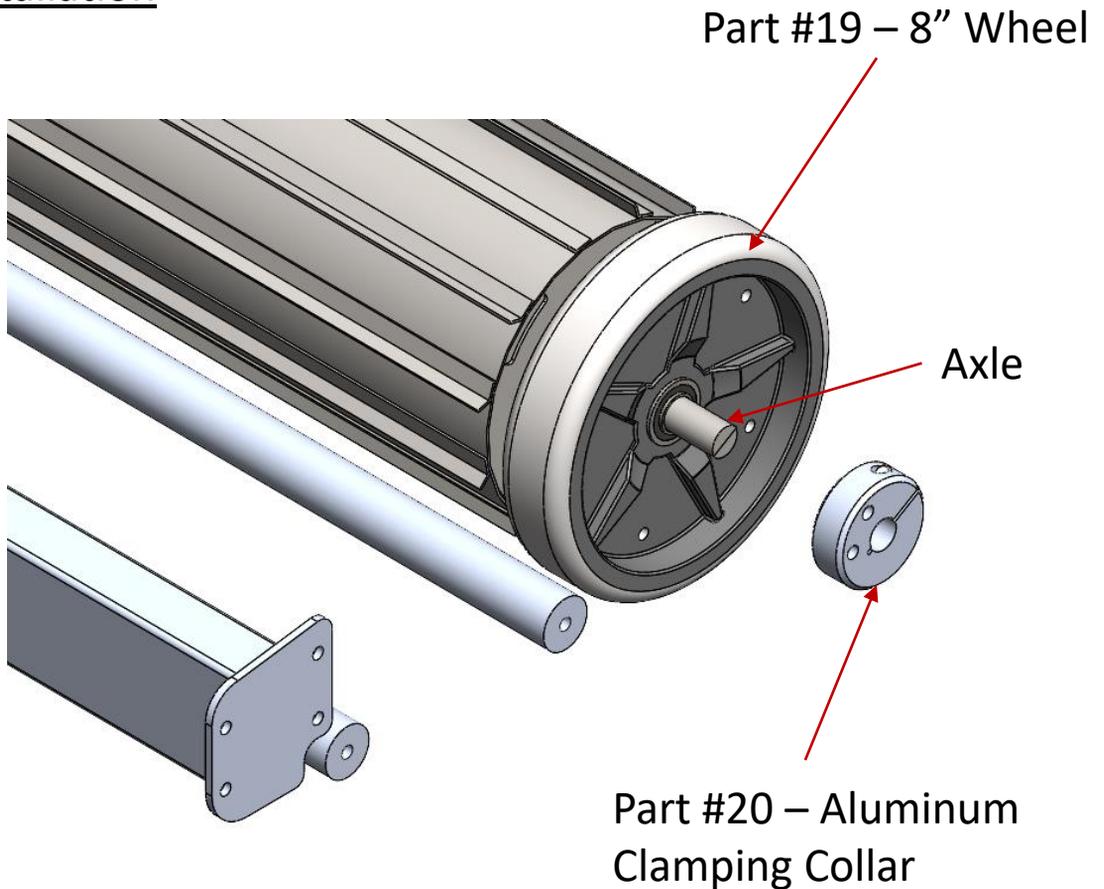
50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation



- Align the 4x pegs in the Driver Assembly with the 4x holes on the 8" Wheel.
- Install the 8" Wheel over the axle and up to the LH or RH Driver Assembly.

Step #B3

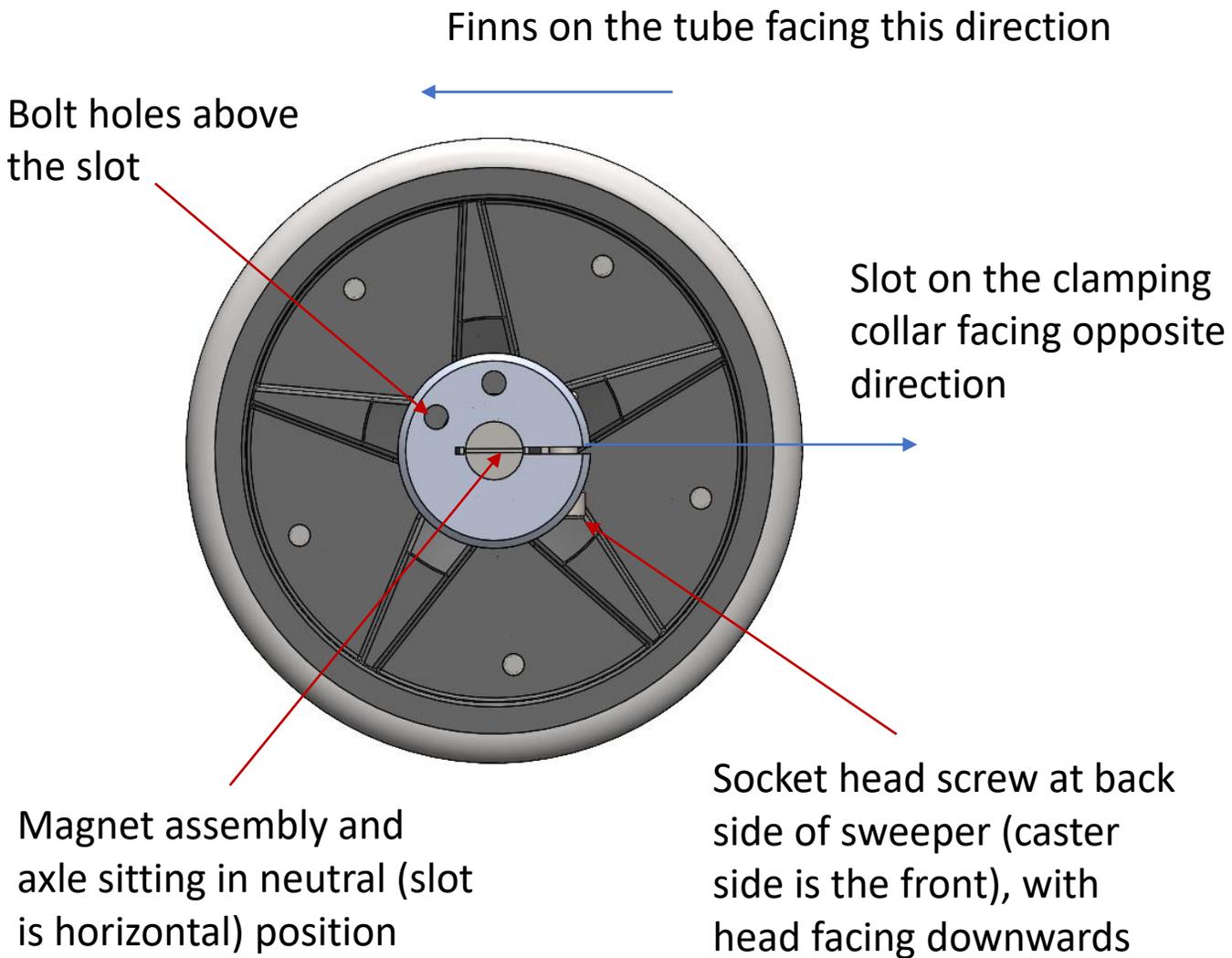
50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation



- Slide the clamping collar onto the axle in the position as shown.
- Align the slot on the clamping collar with the notch on the axle.
- Tighten the 3/8" x 1.25" socket head screw to fix the position of the clamping collar.

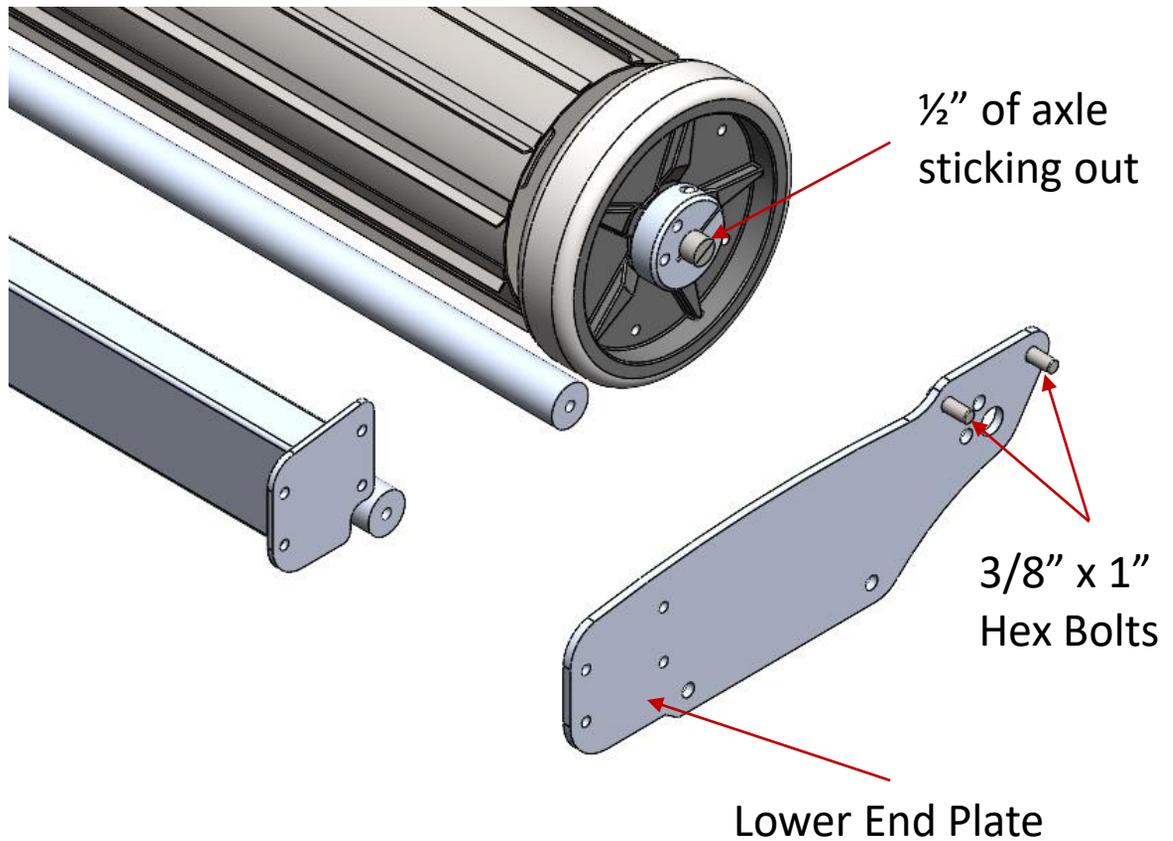
Note: See Next Page for Detail.

50.25" Long 6.55" Diameter Extruded PVC Finned Tube Installation



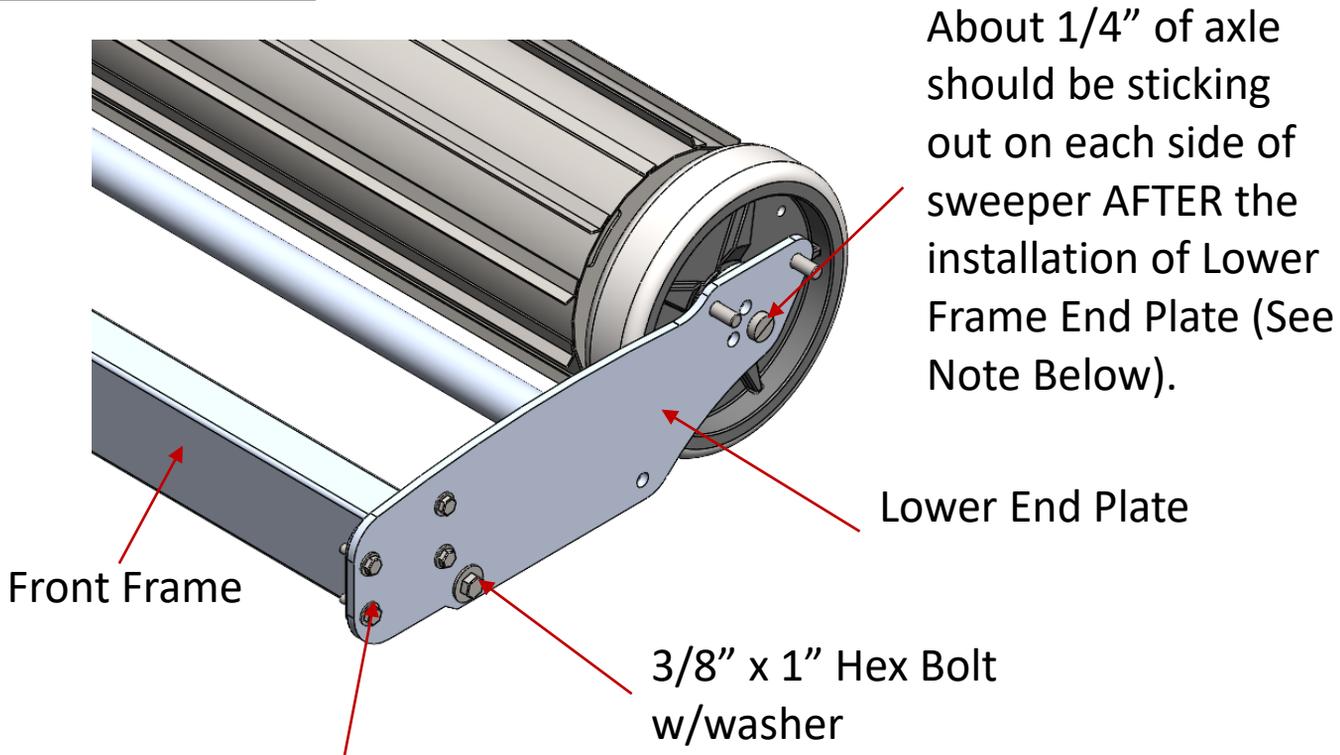
Note: If the Clamping Collar is not positioned as shown, they will not be able to be bolted onto the end plate properly.

50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation



- Install 2x 3/8" x 1" hex bolts as shown.
- Install the Lower End Plate onto axle.
- Align the 2 holes beside the axle with the 2 holes on the clamping collar.

50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation



About 1/4" of axle should be sticking out on each side of sweeper AFTER the installation of Lower Frame End Plate (See Note Below).

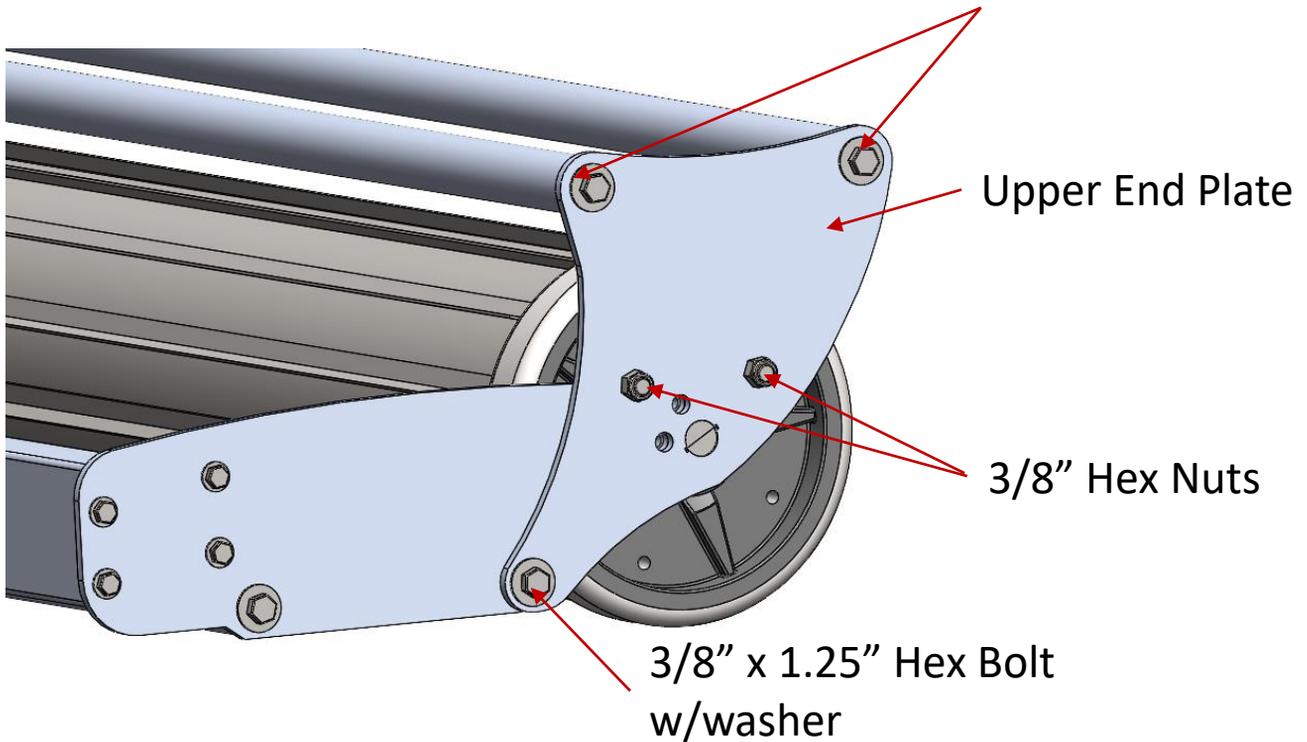
4pcs of 1/4" x 1" Hex Bolts and Nyloc Nuts, with 8pcs of washers

- Install a 3/8" x 1" hex bolt with washer as shown into the front Lower Frame Rod. Do not tighten fasteners.
- Connect the Aluminum Front Frame to the Lower Frame End Plate with 4pcs of 1/4" x 1" hex bolts, 8pcs of washers and 4pcs of nyloc nuts. Do not tighten fasteners.

Note: On each side of the sweeper, after the Lower Frame End Plates have been installed, there should be about 1/4" of Axle sticking out. If there is less than 1/4" (0" for example), you could experience binding when pushing. If more than 1/4" (3/8" for example), the Finned Tube may slip when sweeping.

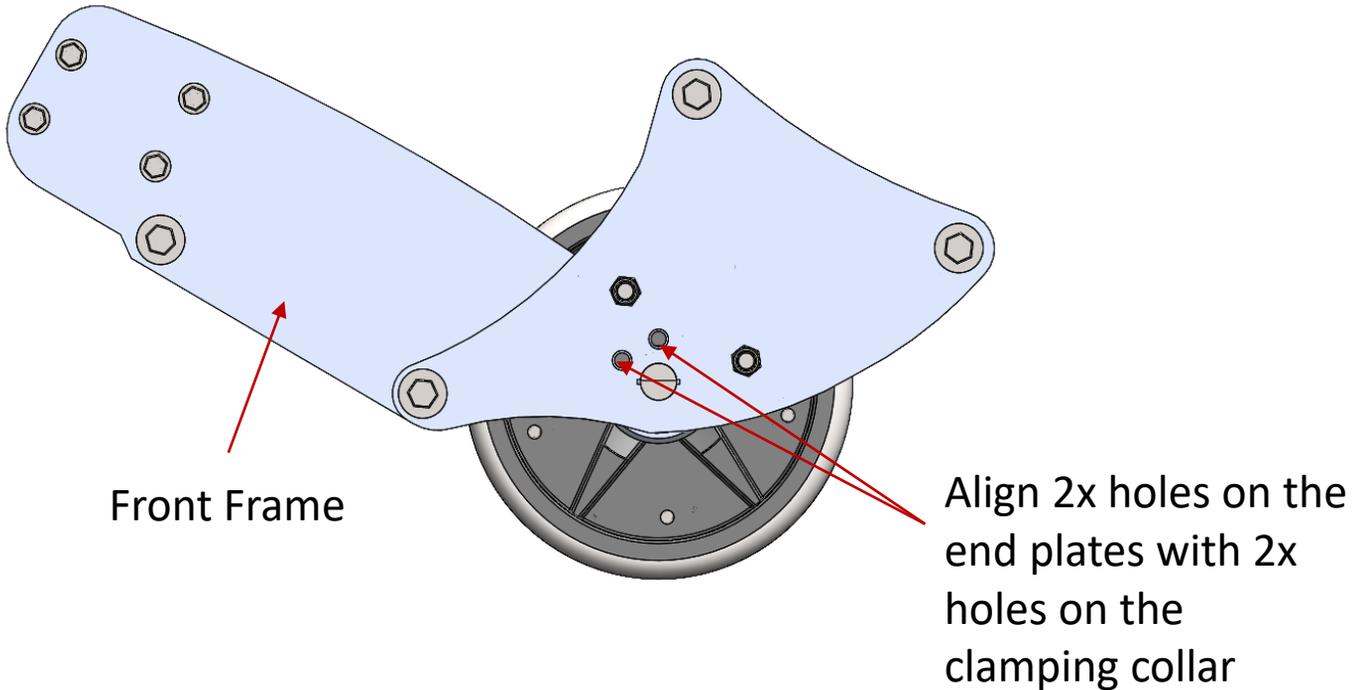
50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation

3/8" x 1" Hex Bolt w/washer into ends of Upper Frame Rods.



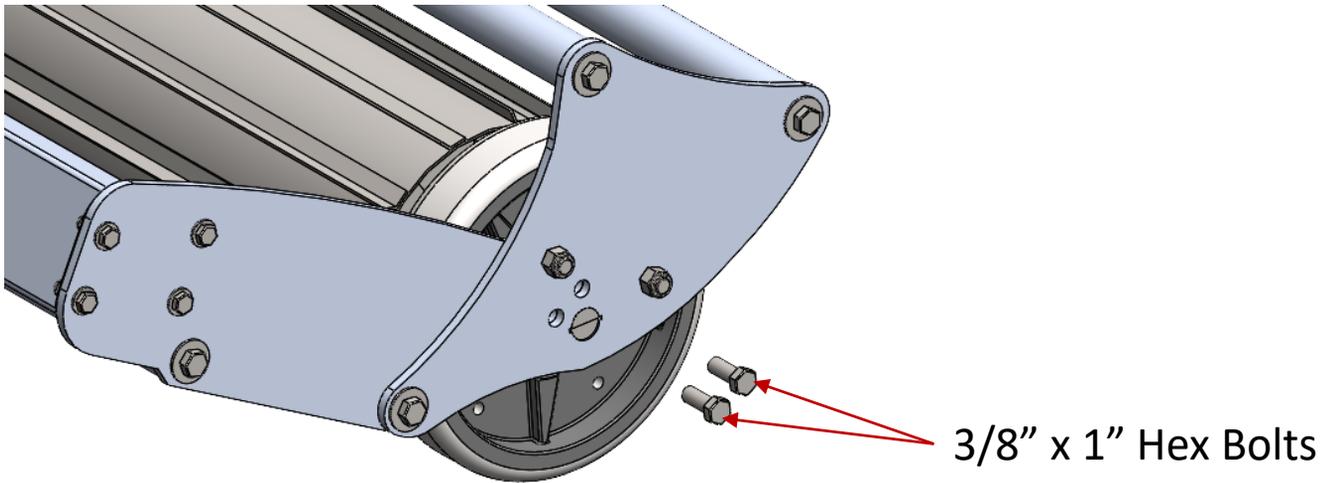
- Install fasteners as shown above - Do not tighten fasteners.
- Repeat all steps for the opposite side of the Atmos Magnetic Sweeper.
- Install the Upper Frame Rods after both sides are assembled.

50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation



- Lift the front frame and align the 2x holes on the end plate around the axle with the 2x holes on the clamping collar.

50.625" Long 6.826" Diameter Welded 304 Stainless Steel Finned Tube Installation



- Bolt with 2pcs of 3/8" x 1" hex bolts.

Tighten All fasteners.

Assembly is now Complete.