



## **Truck Mate Installation Instructions**

**If you are reading this you are about to not only transform your truck but your entire business!!!**

**NOW LET'S GET STARTED!!!**

**(2 people required)**

### **Tools Needed**

- 1/2" Socket and Wrench
- 9/16" Wrench
- 3/4" Socket and Wrench
- Drill and Bit set up to 5/8"
- Pop Rivet Tool

### **Truck Requirements**

- 2" or larger hitch receiver
- Tailgate latch post similar to figure 1



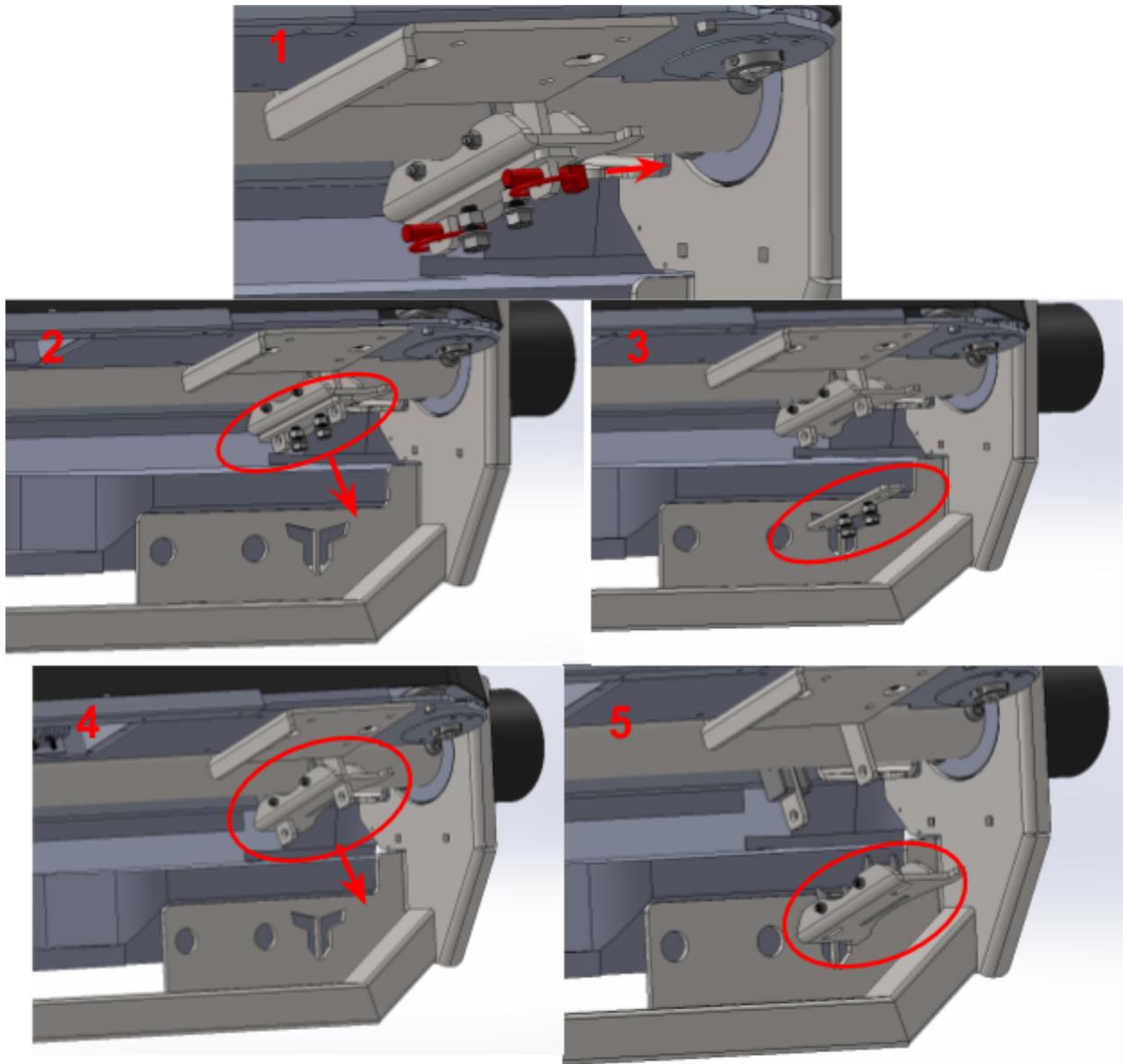
**IMPORTANT!!!**

**\*\*Read all steps before starting installation\*\***

**Warranty may be void if ALL steps in these instructions are not completed**

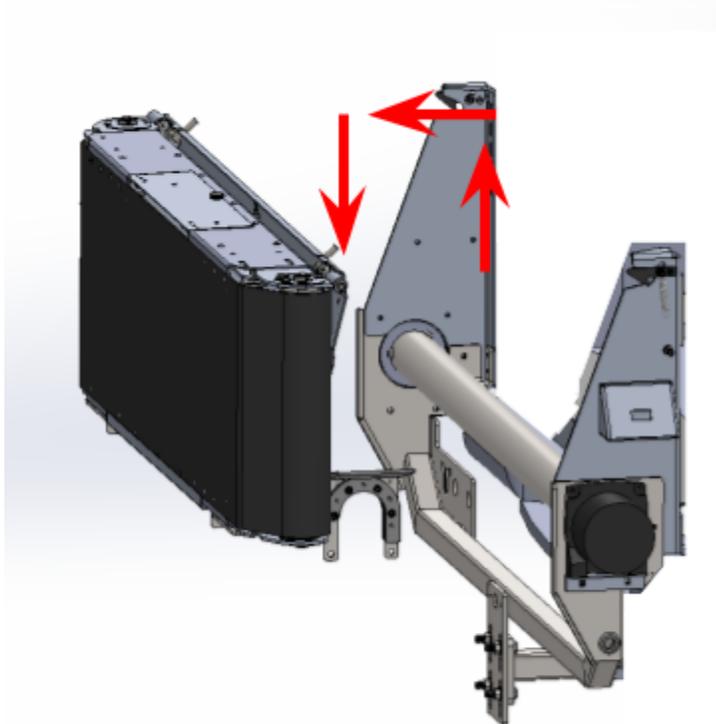
## **Unboxing / Assembly Prep**

The Truck Mate comes partially assembled to keep it safe during shipping and needs to be partially disassembled. Remove the tube latch plate, screw plate, and linch pins.



## Unboxing / Assembly Prep Cont.

With the help of a second person, remove Conveyor Assembly from Truck Mate Frame tube. Carefully put aside.



## Step 1

Remove tailgate from truck

## Step 2

Measure height of tailgate latch post from bed floor as seen in figure 2.



Figure 2

## Step 3

Mount the Truck Mate Support Bar Assembly 1 inch lower than the height measured in the previous step using the provided 5/16-18 x 1" carriage bolts and nuts. (ie. 15.5" - 1" = 14.5")

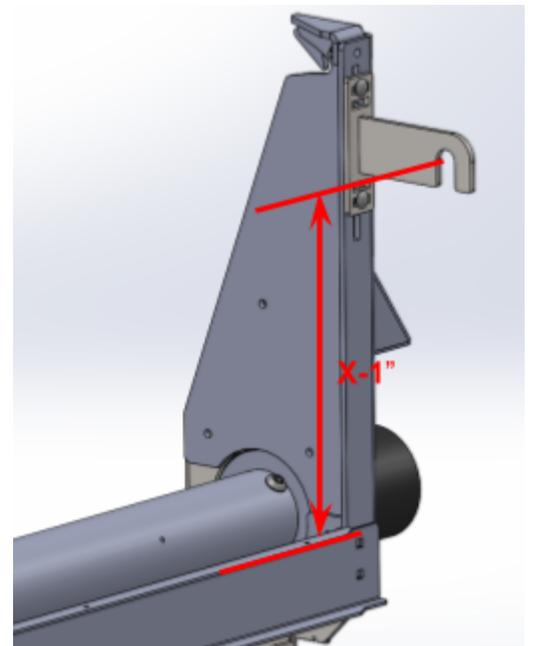
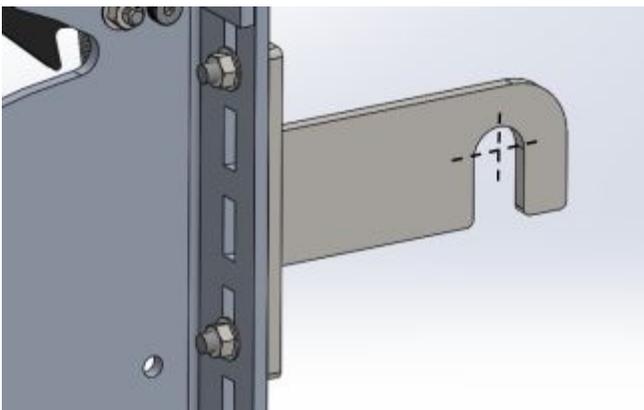
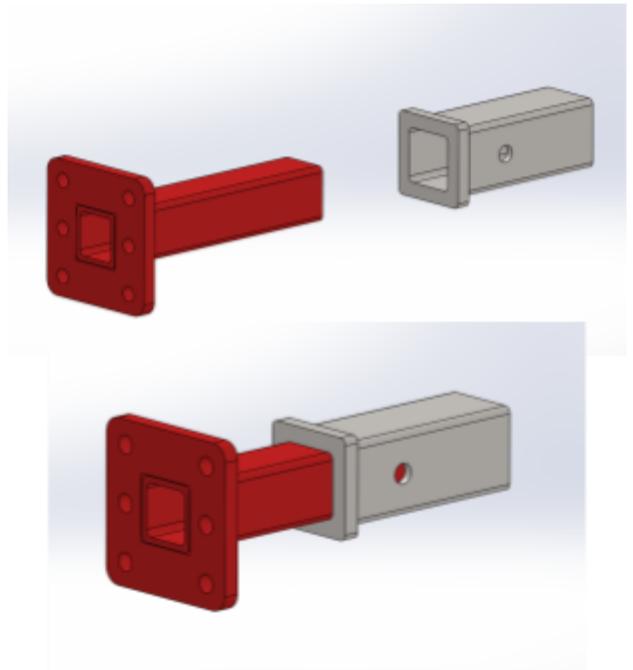


Figure 3

## Step 4

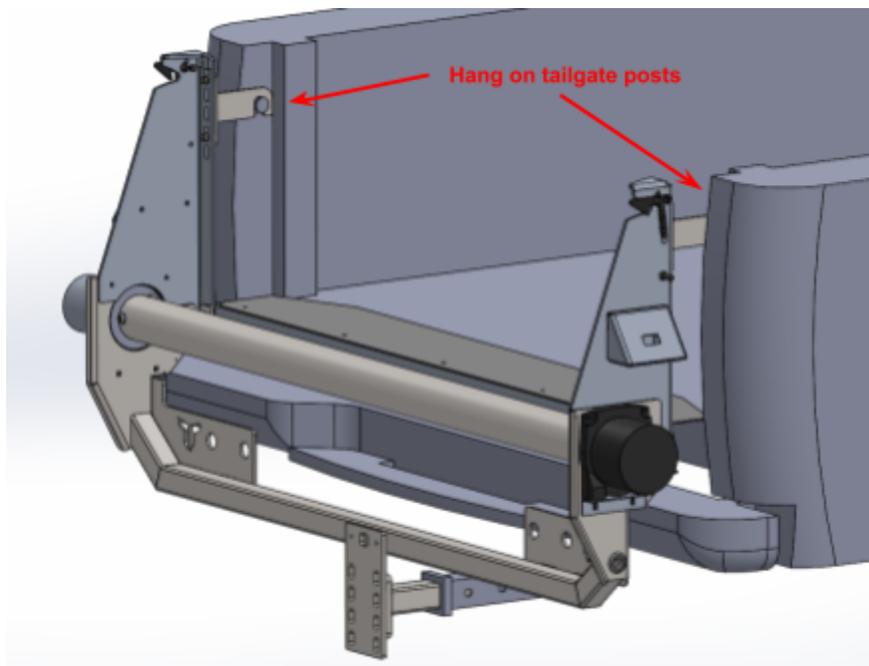
Insert the provided Hitch Mount Insert into your trucks hitch receiver.

\*Hitch pin hole will be drilled in step 7.



## Step 5

With the help of a second person. Pick up and hang the Truck Mate Frame on to the tailgate latch posts on the truck. Make sure to not pinch wires in the bumper or anywhere else.

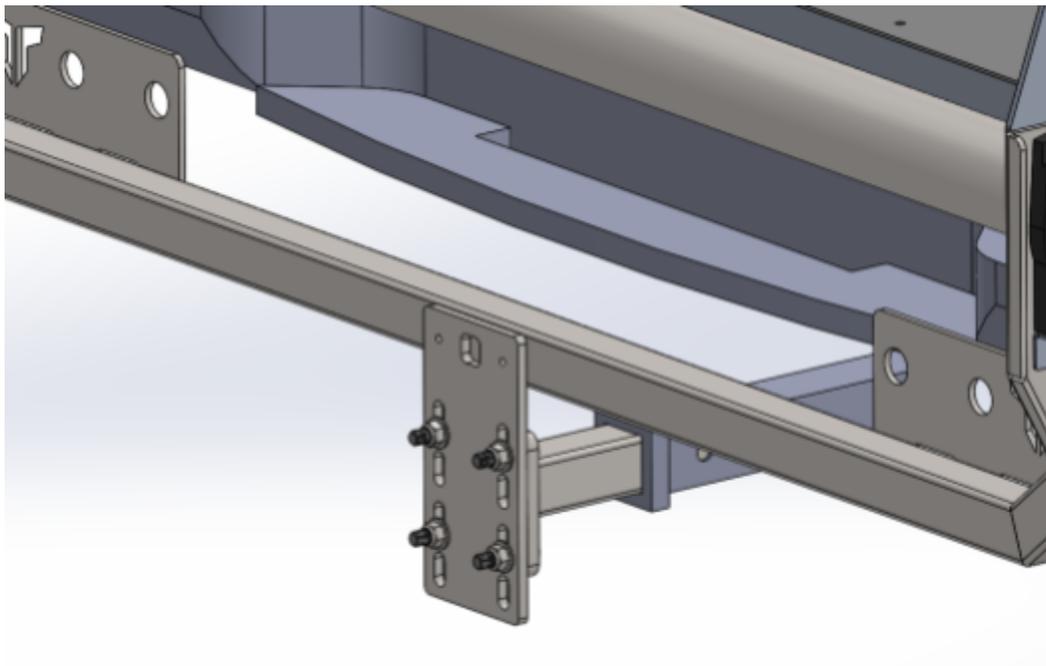


## Step 6

Bolt Truck Mate Frame to the hitch mount insert using the provided ½-13 x 2" bolts and nuts. If holes don't line up, the Truck Mate Frame can be slightly raised or lowered.

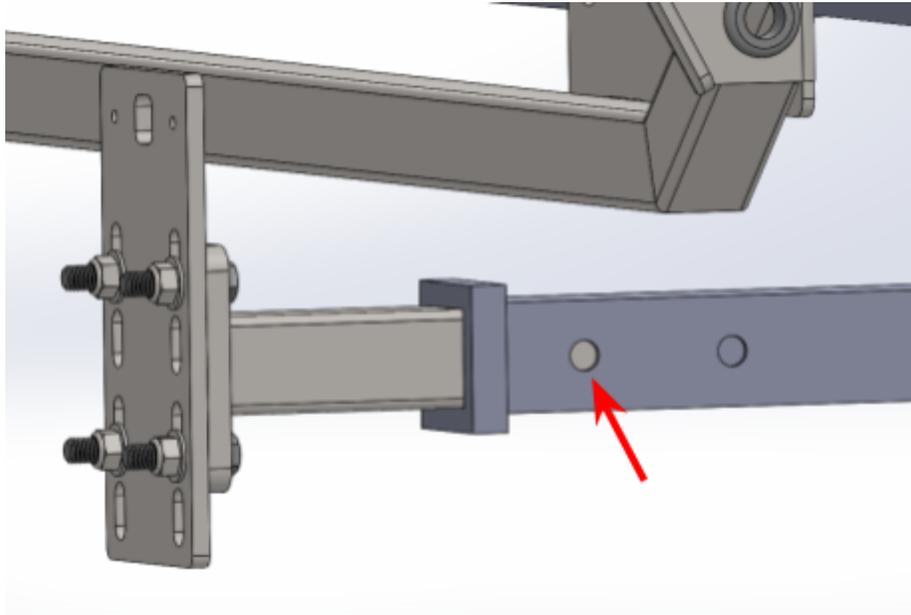
- A. If it needs to be raised, lift up the frame and add the hitch bolts. Then make sure to lower the support bars installed in STEP 3 so that they fully sit on the tailgate latch posts. This can be done with the frame still on the truck.
- B. If it needs to be lowered, remove the Truck Mate Frame from the truck and raise up the support bars installed in STEP 3 so that the frame will sit slightly lower when reinstalled onto the truck.

Make sure the Truck Mate Frame does not sit on the truck bumper pad. If it does, raise up the Truck Mate Frame slightly (go to 6A).



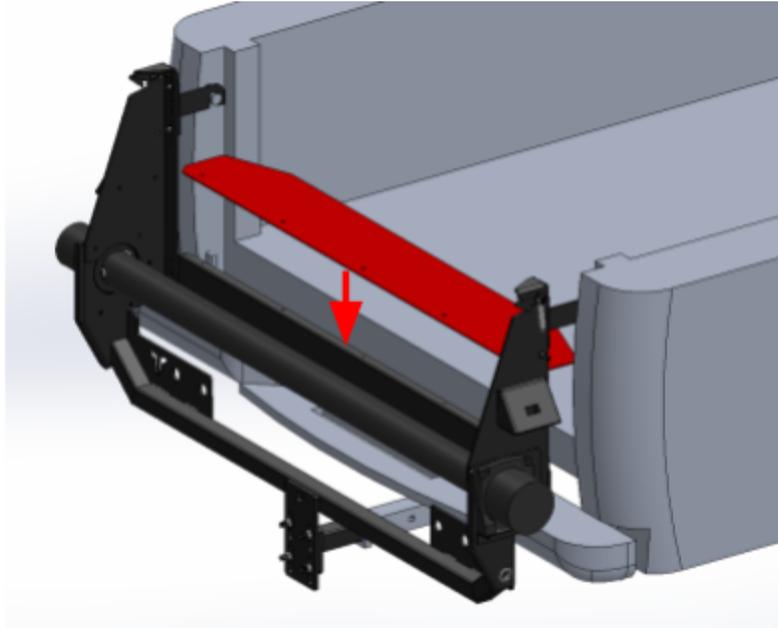
## Step 7

Drill hole in the hitch tube for the provided  $\frac{5}{8}$ " hitch pin. It is recommended to use a  $\frac{5}{8}$ " drill bit first to mark a center pilot hole location, then use smaller drill bits to drill through and step up to the larger hole size. Once one side is drilled out, insert the hitch pin so nothing moves when drilling the hole on the opposite side, using the same process.



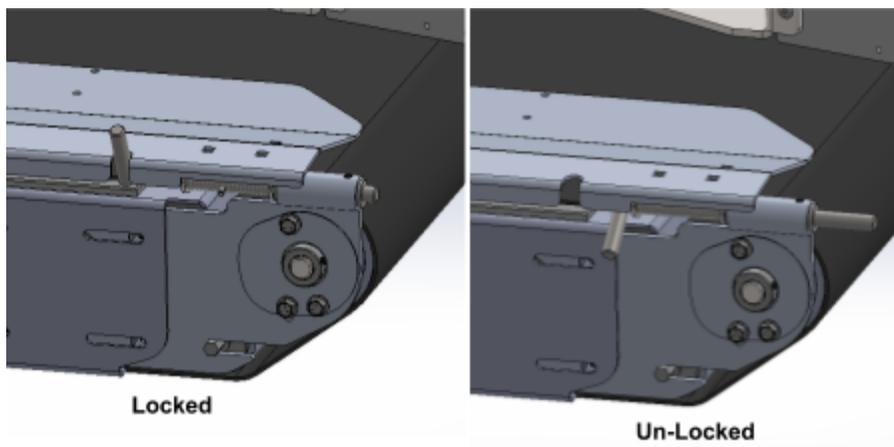
## Step 8

Install UHMW plastic cover onto cross support on the Truck Mate Frame using the provided rivets.



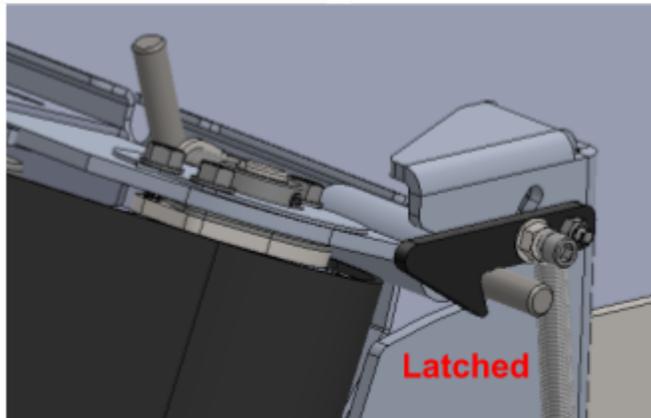
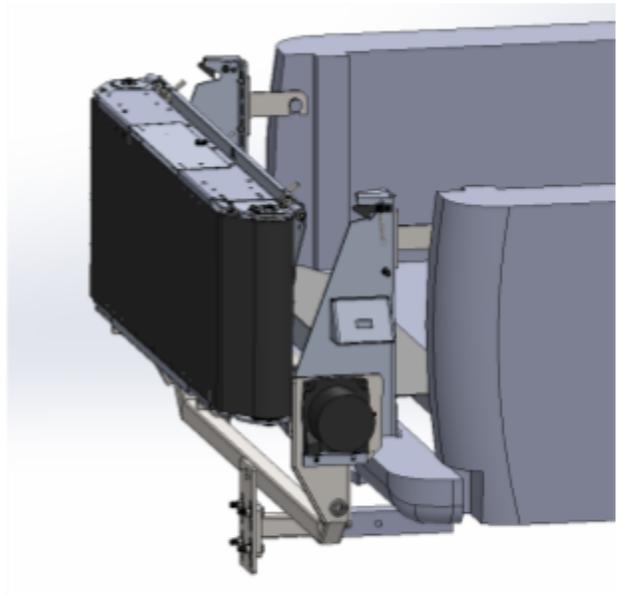
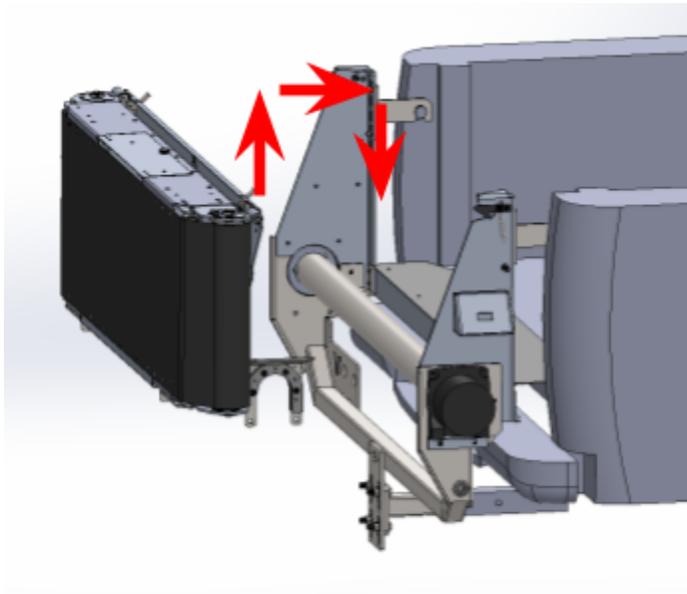
## Step 9

On the conveyor assembly, make sure the side latches are both in the unlocked position



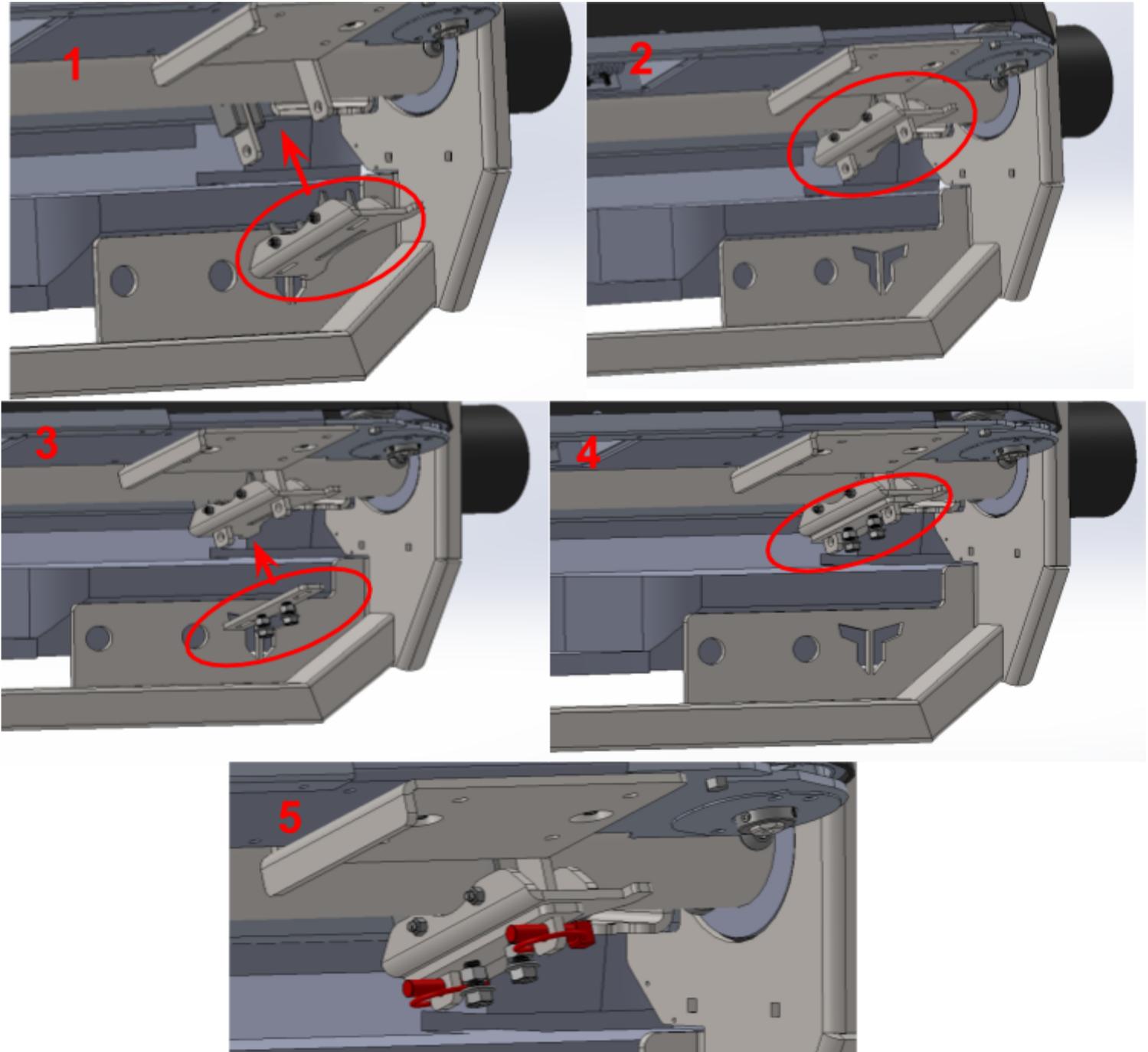
## Step 10

With the help of a second person. Pick up the conveyor assembly and install it onto the tarp tube, between the black plastic guides on the tube, and then push the conveyor up all the way until it latches in place.



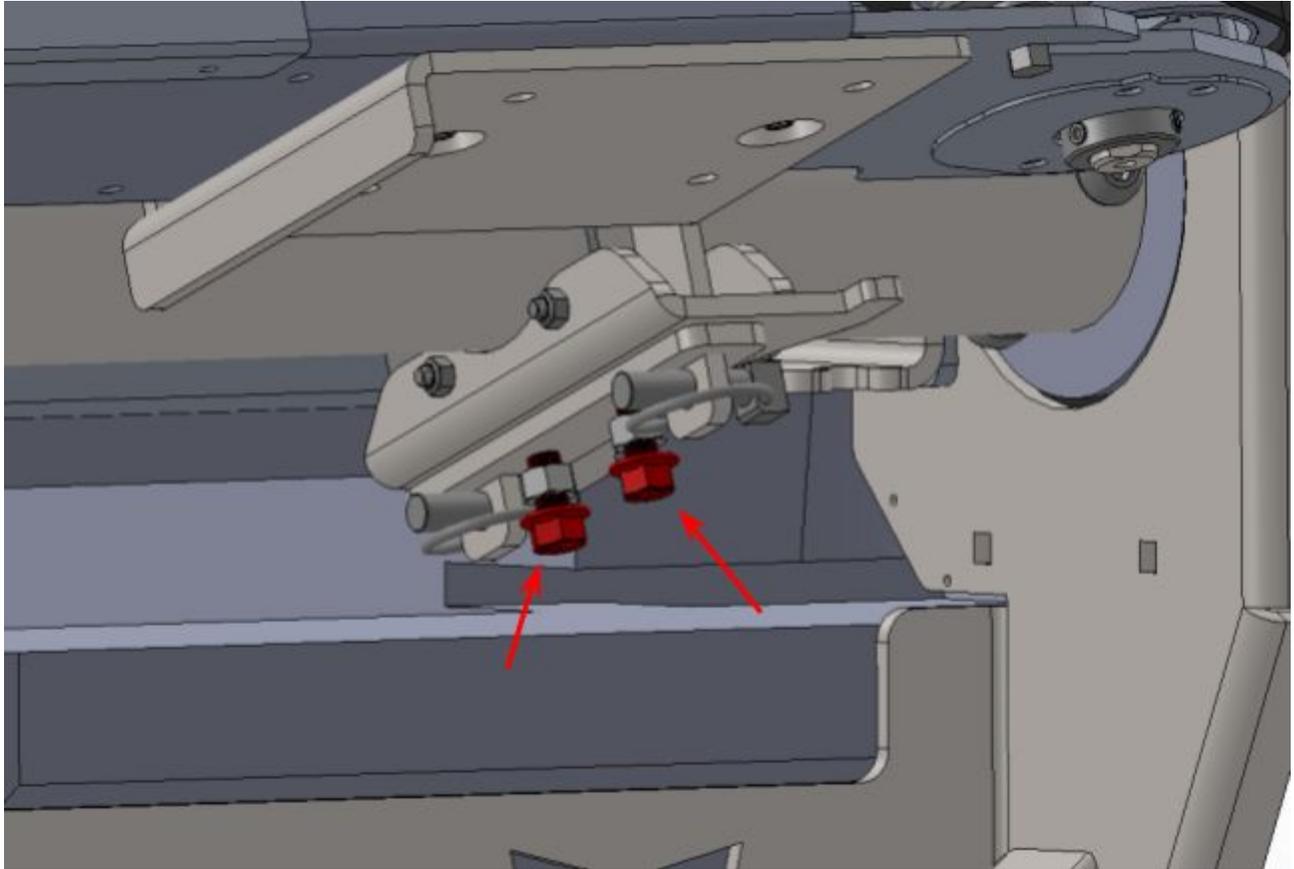
# Step 11

Install the tube latch plate, screw plate, and linch pins as shown below.



## Step 12

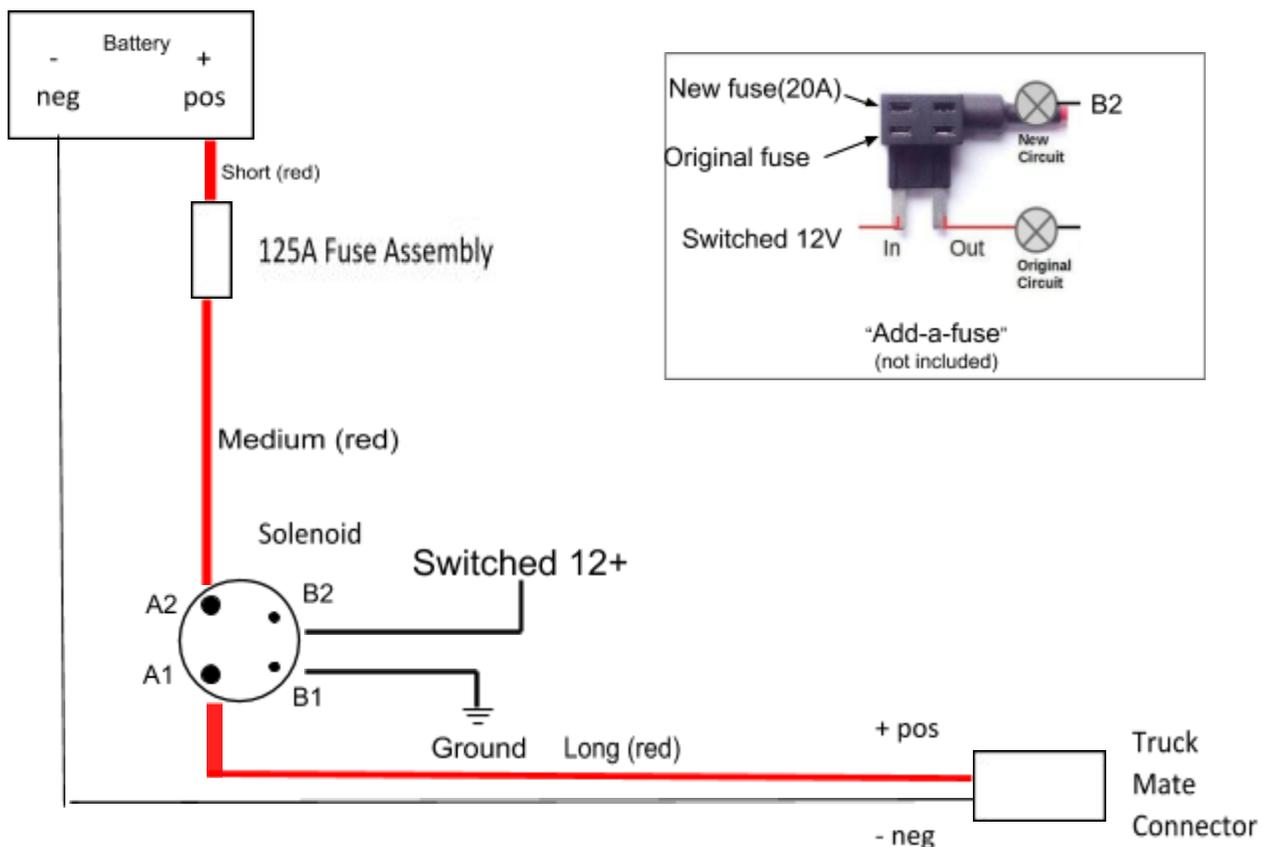
Loosen nut (on the bolt) all the way to the head of the bolt. Hand tighten the bolts. Then using a wrench or socket tighten them a ~1/8 turn more. Now using a second wrench, hold the bolts in place and tighten the nuts all the way up to the metal plate. Jam nuts are meant to be more tight than the bolts.



\*\* (done on both passenger and drivers side of conveyor assembly)

## Step 13 (Installing Truck Wiring Harness)

- Disconnect all power before installing the wiring harness.
- Mount 12 volt solenoid in a safe location under the hood away from heat source or any possible hazard.
- Route wiring harness from the unit at the back of the truck toward the front of the truck being sure to avoid any heat source or any place the wire could get pinched or come in contact with moving parts of the truck. Secure with zip ties.
- Attach long red #2 cable to one side (A1) of the 12 volt solenoid
- Attach medium red #2 cable to the other side (A2) of the 12 volt solenoid.
- Attach the other side of the medium red #2 cable to the 125 amp fuse assembly.
- Attach short red #2 cable to the opposite side of the fuse assembly and then the other side to the positive (+) terminal of the battery.
- Attach the black #2 cable to the negative (-) terminal of the battery.
- Use #12 wire (not provided) to connect one side of the solenoid signal terminal (B2) to a switched 12 volt source. It is easiest to replace an existing switched 12V fuse with an “add-a-fuse”. (see diagram ↓ )
- Use #12 wire (not provided) to connect the other side of the solenoid signal terminal (B1) to ground.
- Test to be sure the Truck Mate Connector only provides power when the truck is turned on. Otherwise the Truck Mate could drain the truck's battery.



## Step 14

Plug Anderson connector that was just hooked up to the vehicle to the Truck Mate Anderson connector. These are the larger Anderson connectors

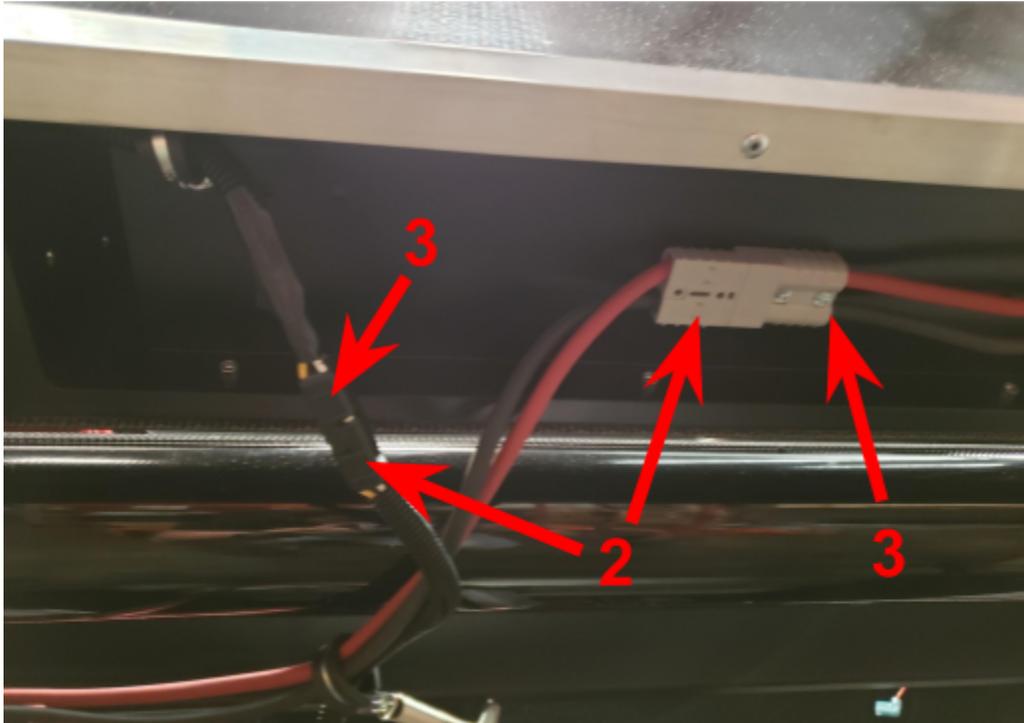
1. Cable/connector coming from truck (installed in previous step)
2. Cable/connector coming from Truck Mate Motor (drivers side)



## Step 15

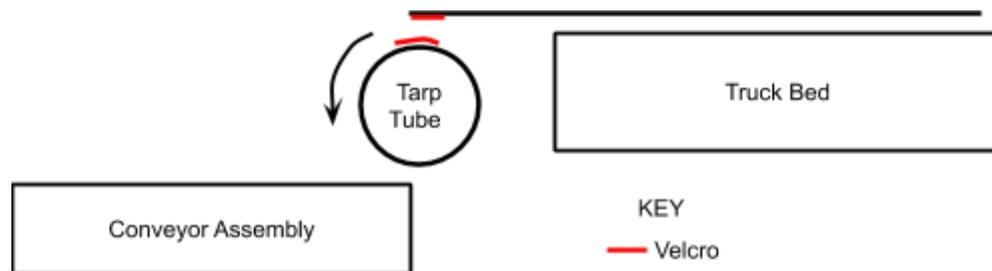
Plug smaller Anderson connector coming from Truck Mate motor to smaller Anderson connector mounted to the back of the conveyor assembly

2. Cable/connector coming from Truck Mate Motor (drivers side)
3. Cable/connector coming from/mounted to Conveyor Assembly



## Step 16

Last but not least it is time to install the tarp onto your Truck Mate. Lay the tarp out so that the side with the velcro faces down. Be sure to keep the velcro clean (do not drag it through dirt). Attach the velcro down onto the tarp roller tube. After the velcro is attached, have one person hold the tarp square to the machine and the other use the toggle switch or wireless remote to roll up the tarp onto the tube.



## Congratulations!!!!

**You now have the power of Truck Mate at the palm of your hands.**

**If you have any questions please feel free to contact our tech help line  
at 888.776.8524 ex804**