

BALLISTA Setup Notes:

- 1) First set up the 3 sections in line and ready to join. Taking the middle section insert the plastic tab into one of the other sections, either head (it has the legs for standing up) or the tail which should have the traveler and the foot trigger.

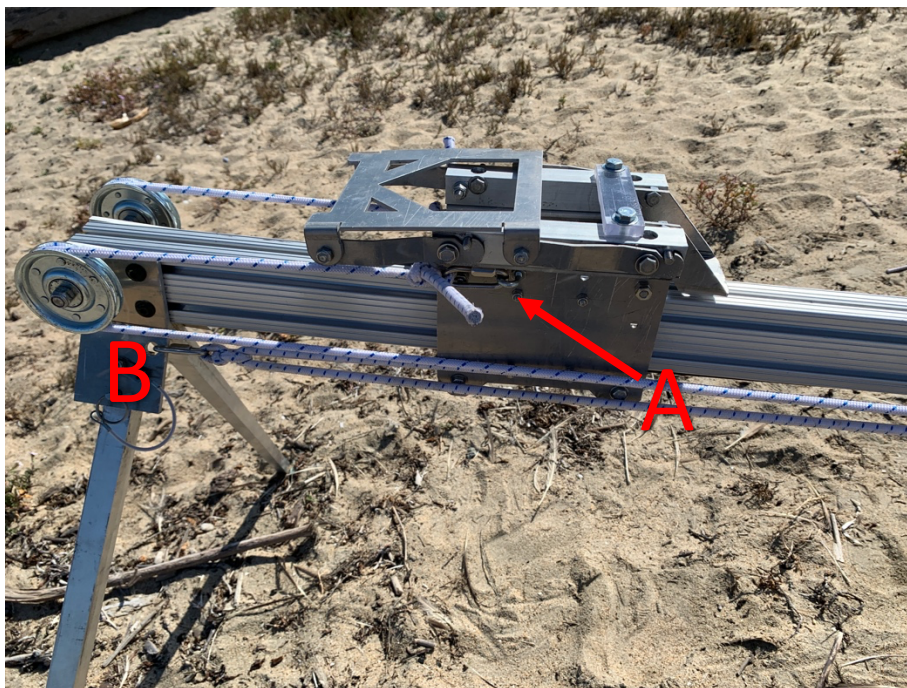
Using an Allen wrench loosen the black screws. DO NOT REMOVE THEM, just loosen enough to slide the plate on each side. Tighten the ones on the center section (4 per side). The holding the weight of the head or tail (suggest using a table to keep them flat and joined) tighten the rest of the screws so that no gap is visible between the sections.

Repeat the process for the other end, whichever is it. Suggestion, doing the head first is easier since you are not battling the traveler sliding down the rail. WARNING: watch for fingers being pinched in each of these steps.

Run the traveler up and down a few times to be sure it is moving smoothly with no bumps or other issues at the joints between the sections. If there is a bump or whatever loosen the bolts, realign and try it again. Once smooth move to step 2.

- 2) Remove the clips from the head that have a single bungy attached. DO NOT REMOVE THE ONE WITH THE DOUBLE BUNGY. Bring the traveler up to the end of travel. It will not go all the way due to the black rubber snubber attached.

Attach the clips with the single bungy to the traveler at the indicated point A. One on each side. Then loop the single bungy over the pulley as shown – B.



- 3) Take the single bungy loop that is dangling and walk it back carefully to the pulley on the same side. Keeping the single bungy line to the outside of the rail and traveler. The doubled-up bungy would be to the inside closest the rail.

When walking the single bungy back, adjust the tension on the loop so that both sides are pulling evenly. **DO NOT HAVE ONE SIDE WITH MORE TENSION** – This will prevent you from being able to clock the traveler in place.



- 4) When the bungies are done properly it should look something like the figure below.



- 5) To load the bungies it will take two people. One to hold the Ballista from sliding as the other person pushed the traveler back to the trigger and tension builds.

The person preventing the slippage then depresses the foot trigger and assists (If required) pulling the traveler back into position where the trigger pin is inserted.

USE EXTREME CAUTION – The Traveler will have a lot of tension on it if the trigger is not inserted properly or one of the persons handling the traveler slips and let's go it can cause serious injury. There is a new design yet to be done that will address these issues but for now be very careful.

- 6) Once everything is in place the Believer airplane can be placed on the traveler with the launch mechanism raised into position and the Believer properly indexed using the launch tray on the underside of the airplane.



- 7) Make sure the launch path is clear, let those around know a launch is about to occur and a single person, using their extended leg and foot and depress the trigger – C.

GOOD LUCK!