

# Unpacking and Setup of the Travel-Lite

Illustrated Instructions

Contact:

Conservation Demonstrations

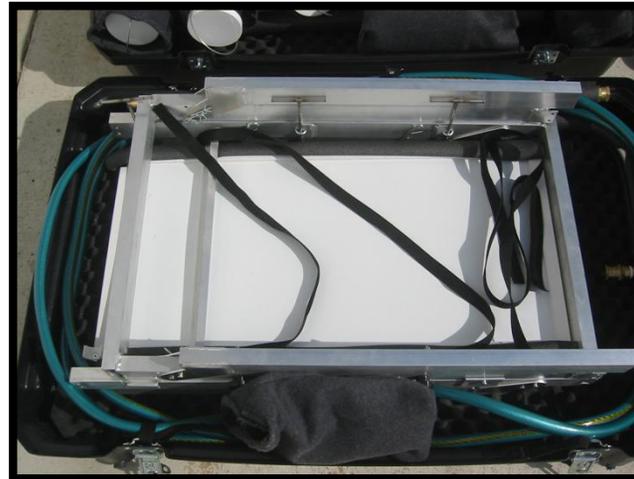
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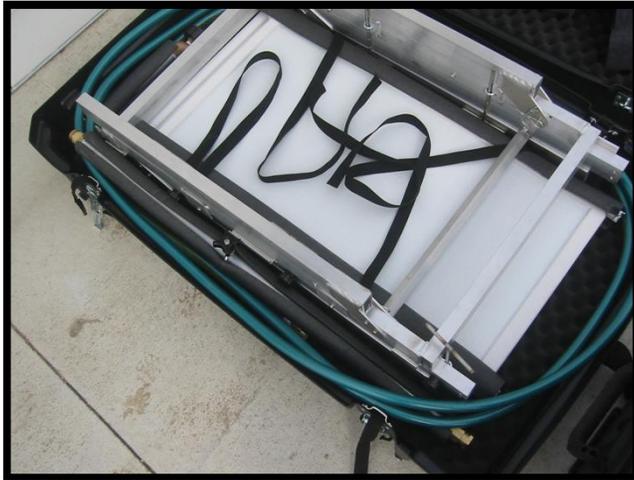
## Open the large case



**Remove the white board and jars and set aside. Loosen Straps securing the table frame**



Remove bag containing hardware  
and lift out table frame.



Separate the table frame by removing the 4 pins in the tabs on both sides of the frame and set one a half aside.



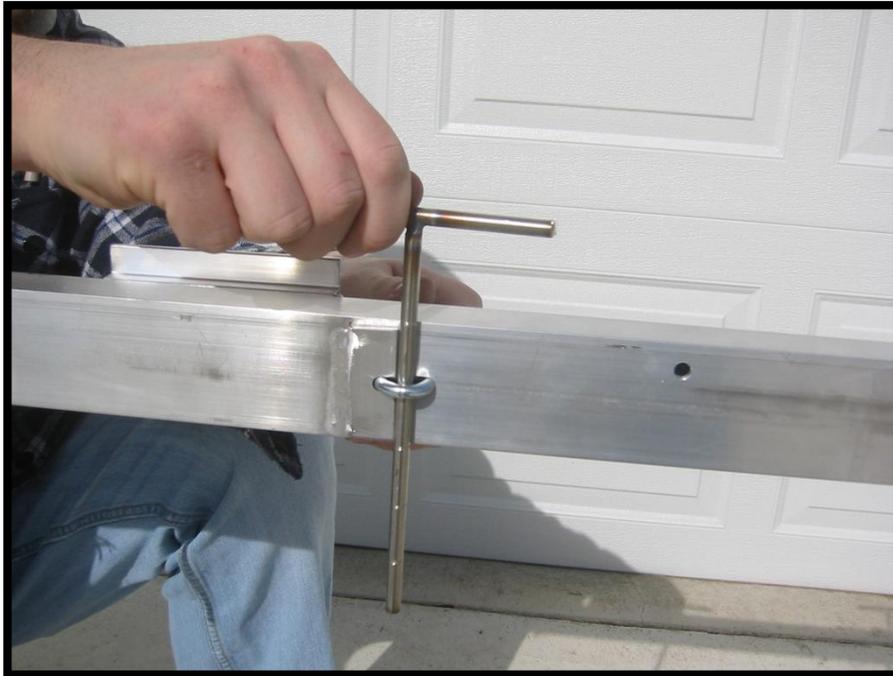
Remove the lower pin on the folding leg, swing leg into open and replace the pin to secure the leg in the open position. Open both legs for this half of the table.



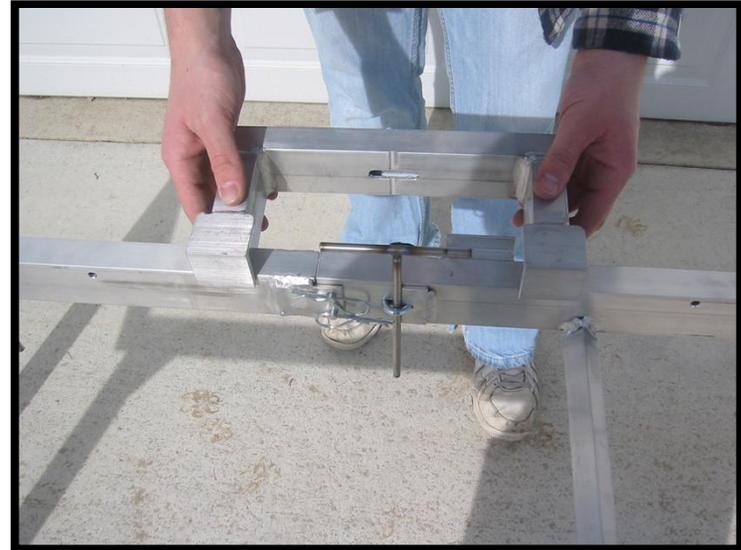
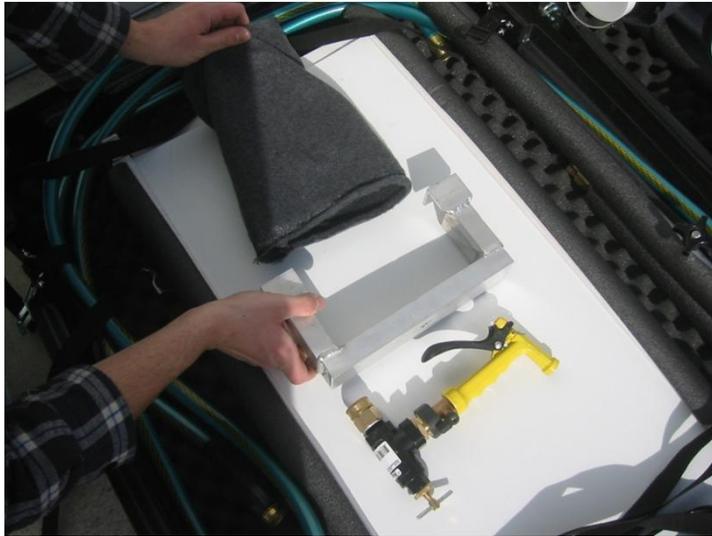
Line up the four holes of the 2 frame halves and secure with pins that were removed to separate the frame halves. Open the remaining 2 legs and stand the table up.



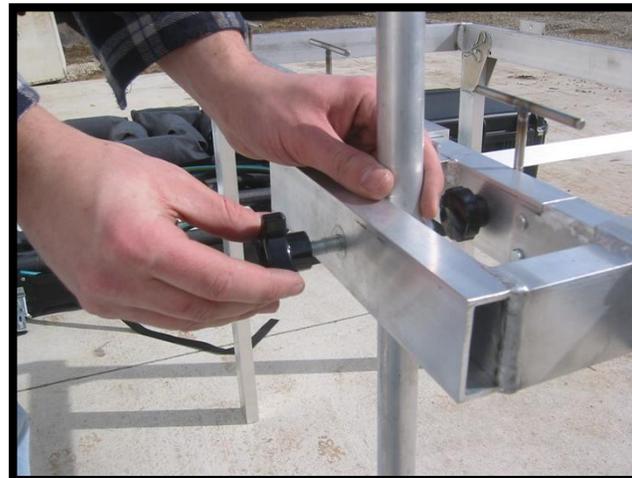
Raise the pan lifts to establish pan slope. Rings on T pins can be used as a visual calibration.



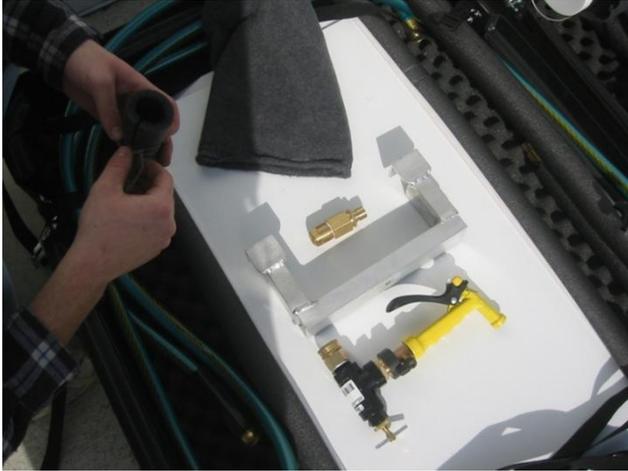
Place the water delivery bracket in the center of the table opposite the center T pin. Remove the straight aluminum tube from the case and foam padding



Remove the black knob and insert the eyebolt into the bracket. Tighten the tube against the bracket. (Remove the bracket to insert the bolt if necessary)



Remove the nozzle and curved tubing from foam padding. Install the nozzle by sliding the outside ring of the fitting toward the pressure gauge. Firmly insert the nozzle coupling and release the ring



Attach the curved tubing to the straight tubing that was previously secured to the table. Tighten fittings as necessary to prevent leakage. Attach the hose to lowest fitting and install pressure regulator to the female coupling of the hose.



Install the upper white board by removing retainer bolts and wing nuts from aluminum coupling, sliding halves together and reinserting bolts and wing nuts.



Slide the slotted side of the whiteboard frame over the tabs in the table frame (smooth side toward the table). Press the clamp onto the tubing.



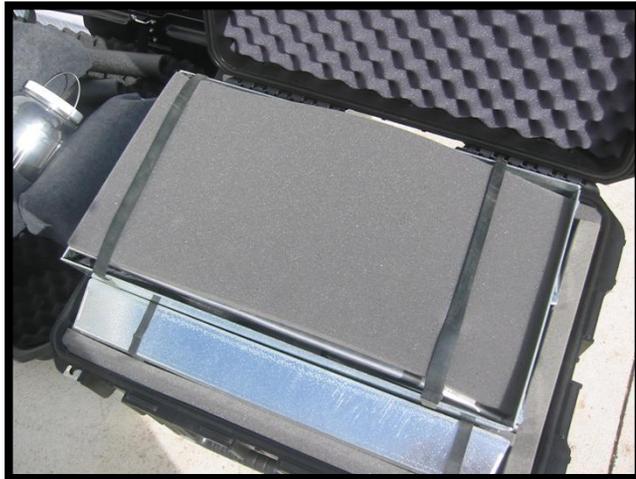
Install the lower white board by repeating the process to join the two board halves. Insert the eyebolts from the hardware bag with the eye of the bolt toward the smooth side of the board into the holes at the outside of the whiteboard frame



This whiteboard may be installed at the front or rear of the table by inserting eyebolts into the holes by the table legs. Installing it to the front of the table will hide the infiltration jars if it is desired to create an impact moment during the presentation



Take the pans from the small case and remove the bands and foam padding.



Remove the infiltration tray and place on the table (center on the T pin) and install the lower jars for each tray



# Calibrating The Rainfall Simulator

- “ At this point, it is time to check the calibration of the nozzle.
- “ Using the infiltration trays only, allows the operator to check the rainfall distribution over the table. By adjusting the height of the nozzle and the pressure you will be able to improve the distribution.
- “ Minor adjustments may be needed to square up fittings, tubing height, etc.
- “ Run the nozzle long enough to see if the water distribution is fairly even in the jars. Often the outside jars will receive more water than the interior jars.
- “ Through trial and error you will be able to fine tune the nozzle for better performance. Try increasing or decreasing the pressure and raising or lowering the nozzle height.
- “ Once the desired distribution is obtained mark the height on the tubing at the top of the bracket and note the pressure on the gauge so you can return to these settings repeatedly.
- “ Since this is a traveling demonstration model some accuracy may be sacrificed for portability and should be noted when going through this process. The more time spent calibrating the nozzle the better the results will be especially during the initial set-up.
- “ It is recommended that the least erosive cover management be placed on the end positions of the table due to how soil will splash from the pans considering the angle of the water spray from the nozzle.

Continue setup by removing components from the bags in each pan



Hang each jar bracket on the tabs at the front of the table. Center the soil pan over the infiltration tray and install the funnel onto the pan (flexible tabs go inside the pan). Slide the clear water shield onto the funnel cover and hang jars on the brackets.

