

**AEROSTICH**  
RIDERWEAR

# ALUMINUM WHEEL CRATE WORK STAND

## OWNER'S GUIDE

Thank you for choosing an Aerostich Wheel Crate Work Stand. Your new stand was designed to be lightweight, durable, easy to store and easy to use. With the addition of three standard wheel crates (#3585) and two motorcycle tie downs (#4747, #2781 or #2782) you will be able to safely elevate your motorcycle by 11", to a more comfortable height for routine maintenance or cleaning. The work stand sets up and knocks down quickly and stores easily, almost anywhere.

**Important Product Safety Warning: Misuse of this product may be dangerous. Read owner's guide before use.**  
**Always enlist help when loading and securing a motorcycle on/off the stand.**  
**Do not overload. Maximum weight 500lbs.**

### **INCLUDED IN KIT**

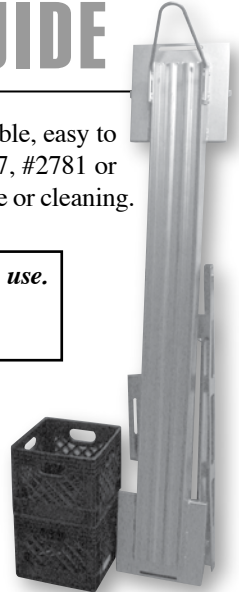
- 1 – Top Channel
- 1 – Wheel Chock
- 4 – ¼-20 X ½" Pan Head Screws
- 4 – ¼-20 Flange Nuts
- 1 – Ramp
- 1 – Tie Bar
- 8 – Bungee Hooks
- 4 – Bungee Cords
- 8 – Cable Ties
- 1 – Rubber Mat
- 1 – Center Crate Top Plate

### **ADDITIONAL REQUIRED PARTS**

- 3 – Wheel Crates (#3585)  
(Industrial specification Dairy Crates – not lightweight containers sold for storage)
- 2 – Tie Downs (#4747) or similar

### **TOOLS NEEDED**

- 7/16" Open End Wrench
- "+" Screwdriver
- Hole Punch or Knife to make holes in Rubber Mat



## **Assembly:**

1. Lay out all included parts, along with Wheel Crates and Tie Downs.

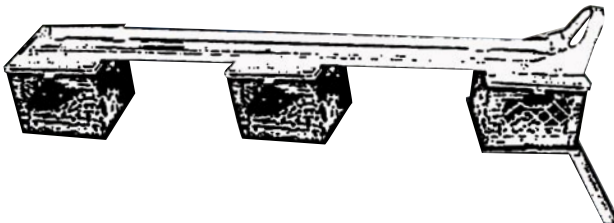
2. Install Wheel Chock on either end of Top Channel using four ¼-20 X ½" Pan Head Screws and ¼-20 Flange Nuts. Holes are provided in plates for wrench access to nuts.

3. Attach Rubber Mat to bottom of one Wheel Crate with Cable Ties included in kit. You'll need to cut or punch holes to line up with openings in bottom of crate. The Rubber Mat is used to keep the stand from sliding on a smooth floor when pushing your motorcycle up the ramp. If you plan to use the stand on a gravel or other non-slippery surface, you can skip this step.

4. Set Tie Bar on floor, flat side down. Set the second Wheel Crate (no Rubber Mat on bottom) open end up into the formed base plate attached to Tie Bar. Place the top plate on the center crate and position between the two end crates.

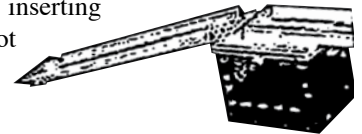


5. Set Top Channel on top of Wheel Crates, making sure the open end of the crates fit into the formed top plates attached to ends of Top Channel.

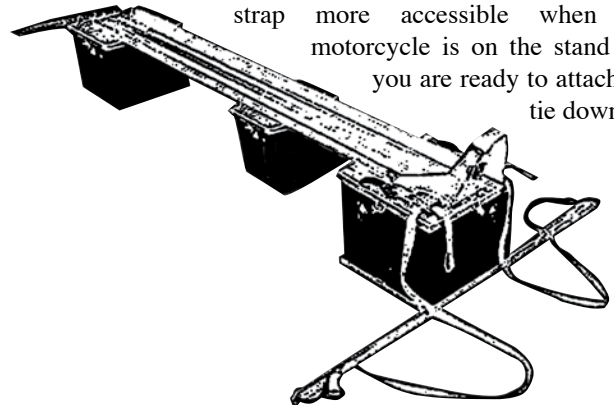


**Step 6.** Assemble two Bungee Hooks on each Bungee Cord. Form loops with two of the cords and use the loops to hold the Tie Bar to the Top Channel. Use the other two cords to attach the Top Channel to the Wheel Crate with Rubber Mat. Adjust cord lengths as necessary to fit your particular crate.

7. Fit Ramp to stand assembly, inserting tab on top end of ramp into slot in plate at end of Top Channel.



8. Hook tie down straps into the holes at the end of the tie down bar, and set the other end (with the tensioning buckle) on top of the workstand alongside the wheel channel. This will make the strap more accessible when the motorcycle is on the stand and you are ready to attach the tie downs.



## Important Product Safety Warning:

**The Aerostich Wheel Crate Work Stand is suitable for use only with motorcycles weighing less than 500 lbs. Until you are sure you can manage rolling your motorcycle up on the stand, balancing it, and attaching tie downs by yourself, do not attempt to use this work stand without help. Depending on the size of the motorcycle, your strength and sense of balance, it may take several assisted tries before you are ready to use the work stand on your own. In some cases it may not be possible to use the work stand without help. Be safe!**

**Use:** Select a flat, level spot to set up the work stand, with plenty of clear space around the stand on both sides.



Before rolling your motorcycle onto the work stand, hook both tie downs into the holes at the end of the tie down bar, and set the other ends on top of the work stand alongside the wheel channel. You'll need to do this so you can reach the tie down ends when the bike is on the stand. Before rolling the motorcycle up the ramp make sure you have a good location on the bike to attach both tie down straps. On some motorcycles the Aerostich Sport Bike Bar Harness (#3525) may be useful if good strap points are not available.

Next, station a helper or helpers alongside the work stand (always do this, until you are comfortable on your own). Push the motorcycle up the ramp until the front wheel contacts the wheel chock. Keep the bike under control at all times. The chock is designed only as a wheel stop -- it will not hold the motorcycle upright. Holding the motorcycle upright with one hand, reach down with the other hand and grab the tie down end located next to the channel. Attach the tie down and adjust it to hold the bike at a slight lean away from the attached strap. Walk around the front of the bike while holding it steady and pick up and attach the other tie down. Next adjust the tension of both tie down straps to level the bike. Apply the minimum tension needed to hold the motorcycle securely. You may use a jack placed in the work stand channel to raise the end of the bike opposite the tie downs for wheel removal, etc. The base of the jack must be flat in the bottom of the channel, not up on the sides. Position the center crate under the jack position for maximum stability. **CAUTION:** Check the tie down tension as the motorcycle is raised and lowered to insure they don't become too tight or too loose as the bike is being lifted and lowered. Make sure the bike cannot roll off the jack, by chocking the wheels. **Take your time and be safe!**



Roll motorcycle onto the work stand



Attach the first tie down strap



Hold bike upright and move to other side



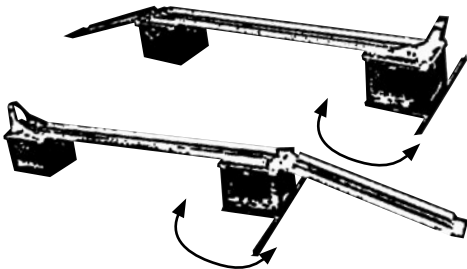
Attach the second tie down strap



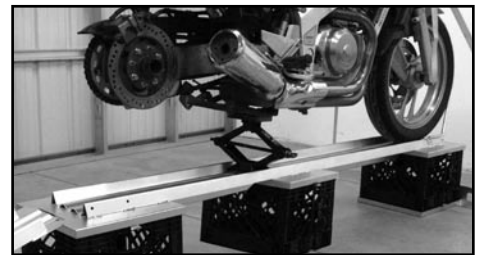
Adjust both straps to level and secure the bike

### Your Aerostich Wheel Crate Work Stand may be assembled in several different configurations:

The Tie Bar can be installed in four different positions, allowing you to attach tie downs to different points on your motorcycle.



To elevate the front wheel for service or removal, assemble the work stand with the Tie Bar underneath the rear of the bike. Roll the bike up on the stand as before, attaching tie downs to the rear of the motorcycle.



To elevate the rear wheel, assemble the unit with the Tie Bar under the front wheel and attach straps to the front of the bike. place center crate under jack for maximum strength

## Important Wheel Crate/ Dairy Crate Product Safety Warning:

**Unless you are using a set of vintage all-steel dairy crates, do not use the work stand for long-term motorcycle storage. Depending on the load and time elapsed, industrial dairy crates will eventually start to sag – especially in warmer temperatures – and the work stand could collapse. Use only load-rated industrial dairy crates.**

**Questions:** Please call us at 218-722-1927 or email <products@aerostich.com>