

ASSEMBLY INSTRUCTIONS FOR FUN INDUSTRIES' 48" CUSTOM PRIZE WHEEL



The following pages will help guide you through the process of assembling your new 48" custom prize wheel.

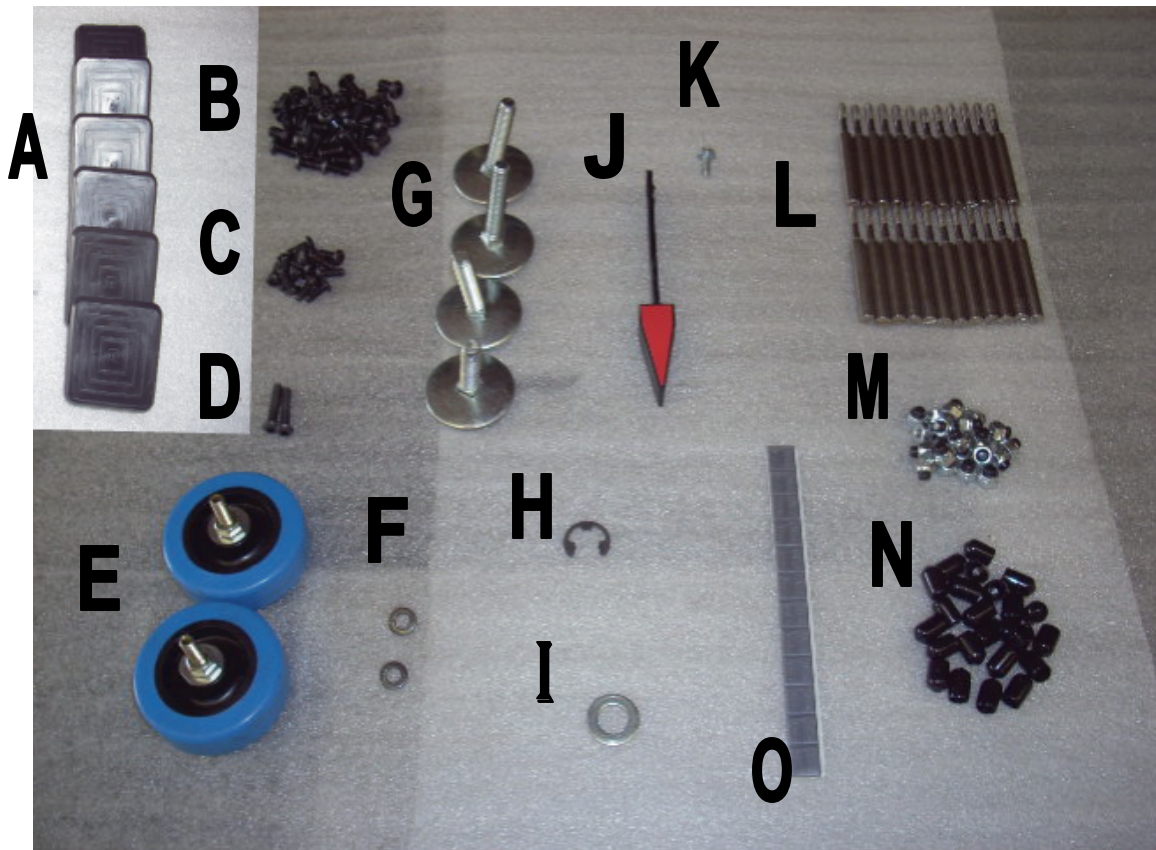
Choose an assembly area with plenty of room to lay your pieces on the floor and also a bench or table to help ease in the assembly process. Try to lay your pieces on a soft material while assembling to avoid scratching the surfaces.

For additional assistance call 800-747-1144



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East Moline, IL 61244
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HARDWARE LIST



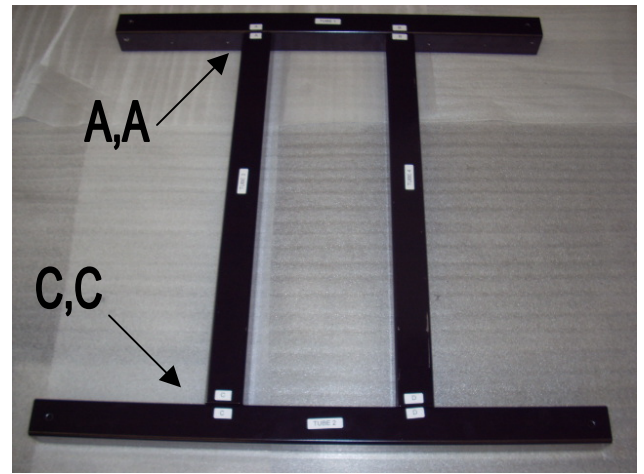
- A. 6 pcs. 2" tube caps
- B. 38 pcs. ¼-20 x ½ socket screws
- C. 12 pcs. 10-32 x ½ socket screws
- D. 2 pcs. 10-32 x 1 socket screws
- E. 2 pcs. wheel assemblies
- F. 2 pcs. wheel lock washers
- G. 4 pcs. base levelers
- H. 1 pc. wheel c-clip

- I. 1 pc. wheel shim washer
- J. 3 pcs. clicker
- K. 1 pc. hex head clicker screw
- L. 24 pcs. wheel pins
- M. 24 pcs. wheel pin nuts
- N. 24 pcs. wheel pin caps
- O. 1 pc. wheel weights

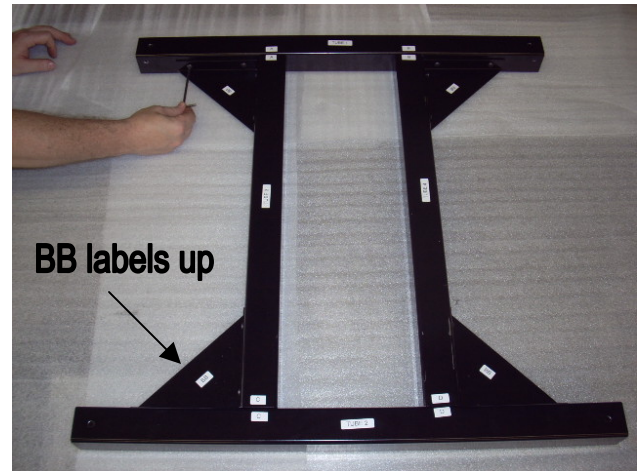
TOOLS REQUIRED

3/8" wrench
7/16" wrench
standard screwdriver
1/8" allen wrench
5/32" allen wrench

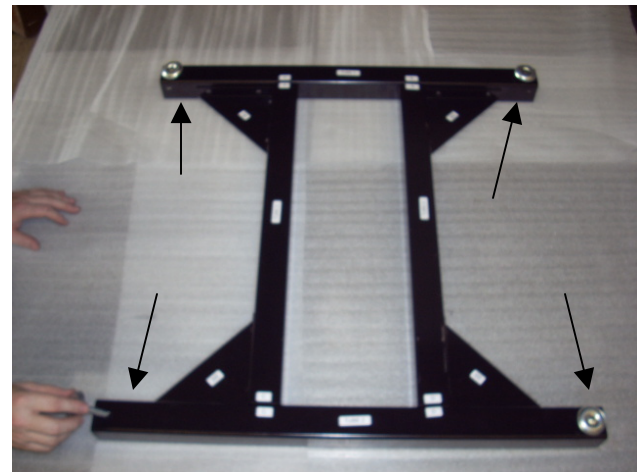
1. After removing all components from the packaging, position all of the steel pieces so that the part labels are facing upward. Locate and place base tubes #1 thru #4 on a flat surface. Position the tubes in an “H” pattern as shown so that the letters A thru D adjoin each other.



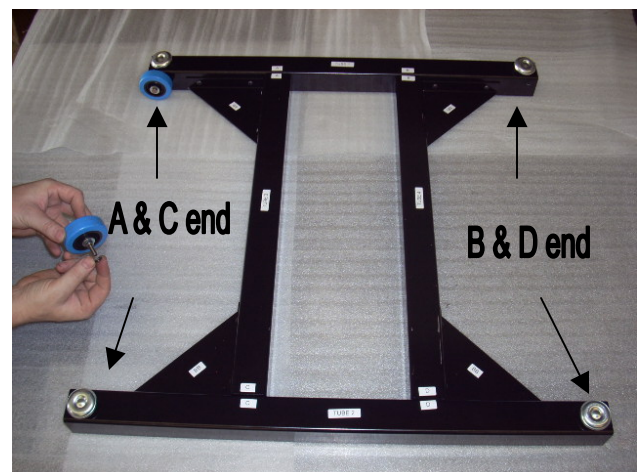
2. Attach 4 base braces (BB) to each intersection of tubes 1 thru 4 with (16) ¼- 20 x 1/2 “ screws. Make sure the labels on the braces face upward. Do not tighten completely until all screws have been started. Make sure not to over-tighten!



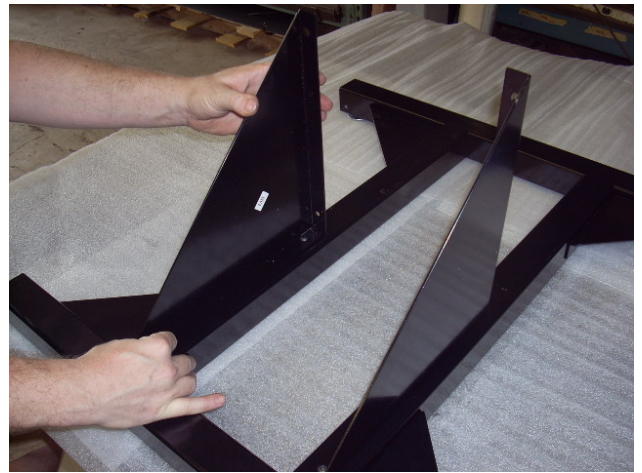
3. Insert (4) base levelers into the 3/8” tapped holes at each end of tubes 1 and 2. Screw them down completely.



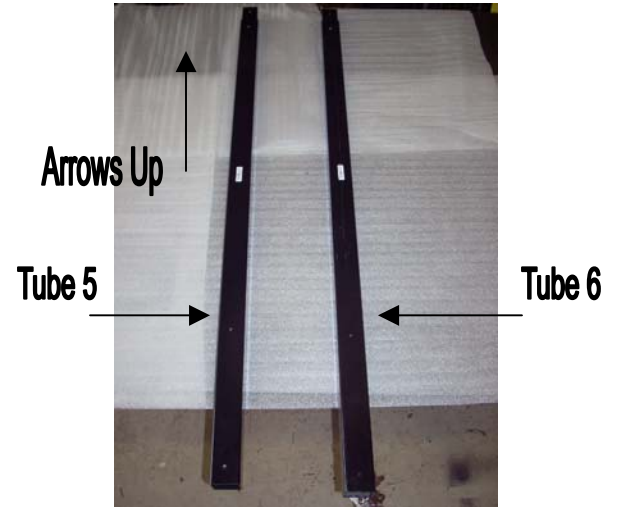
4. Locate the ¼” tapped holes at the inside ends of tubes 1 and 2. Slide a wheel lockwasher over each wheel assembly bolt and attach the wheel assemblies to the base. Both wheels must be on the left or right side (A and C end or B and D end). Do not over-tighten.



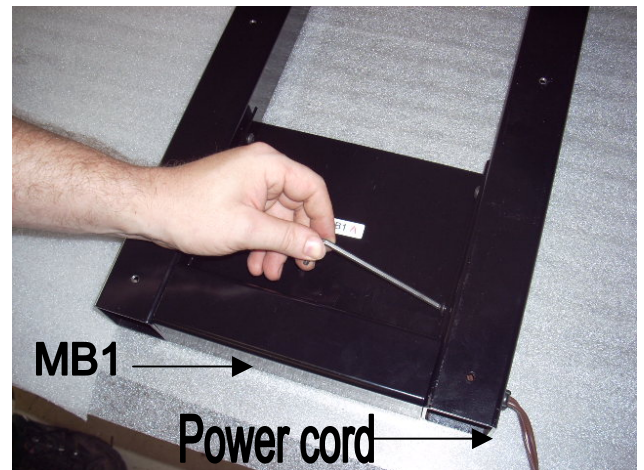
5. Flip the base assembly over. Locate the (4) ¼” tapped holes on the top of the center tubes. Attach the (2) mast braces (MB) with (4) ¼-20 x ½” screws. Position the braces so that the labels face each other (inward) and the vertical legs of the braces are towards the center of the base. Do not tighten completely until later. This portion of the assembly can now be set aside.



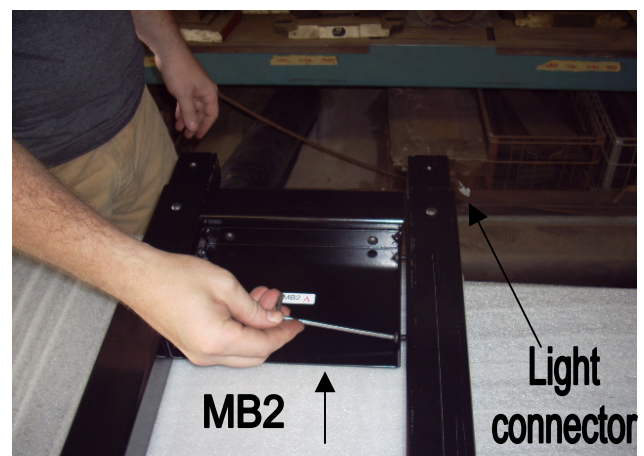
6. Assemble the lower mast by placing tube #5 and #6 on a flat surface with tube #5 on the left and tube #6 on the right. Make sure the decals are facing up and the arrows are pointing upward as well (away from you). These tubes will also have splice tubes protruding from the top end as well.



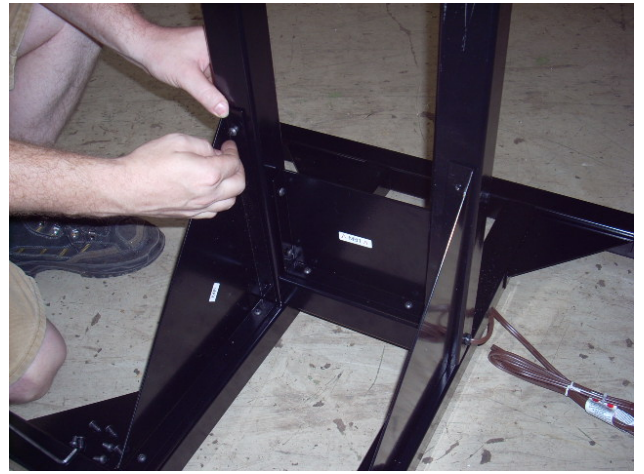
7. Locate the bottom lower mast brace (MB1). Making sure the decal is facing up and the arrow on the decal is pointing the same direction as the arrows on tubes 5 & 6, attach the brace to the inside lower end of tubes 5 & 6 with (4) ¼-20 x ½” screws. Do not fully tighten.



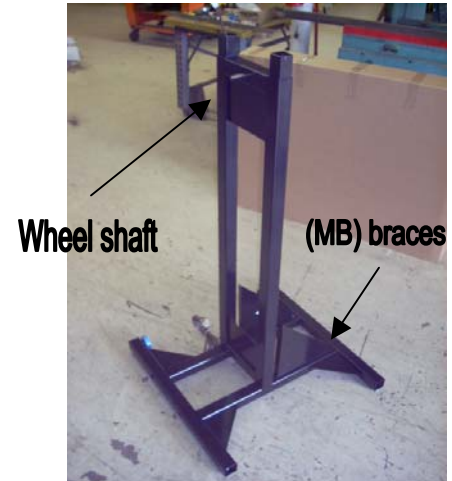
8. Locate the top lower mast brace (MB2). This brace will have the prize wheel shaft protruding through one side. Using (4) ¼-20 x ½” screws, attach this brace to the top end of tubes 5 & 6 with the decal facing up and the arrows pointing the same direction as the other decals. This part will attach easier if you allow the wheel shaft to hang over your assembly bench. Do not fully tighten.



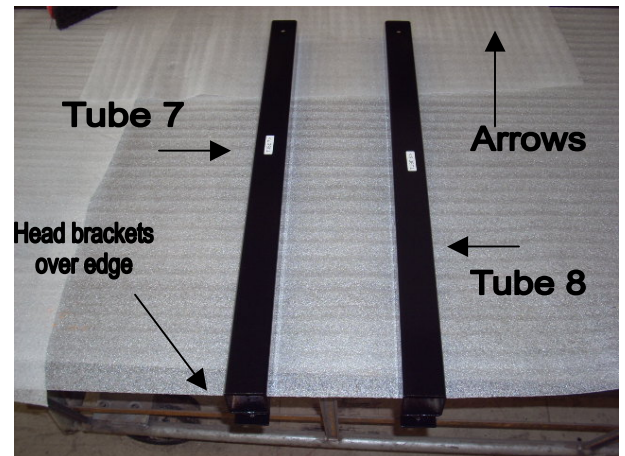
9. Stand the lower mast assembly upright with the wheel shaft at the top and facing forward. Attach the lower mast to the 2 braces (MB) on the base assembly with (4) ¼-20 x ½” screws. You may now fully tighten all (12) screws used in the assembly process to this point.



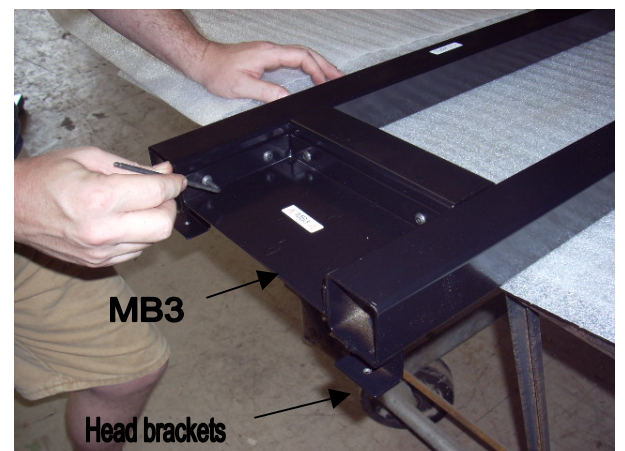
10. Your assembly should now resemble the photo to the right. Make sure that the wheel shaft is facing forward and the mast braces are at the rear.



11. Locate tubes 7 and 8. Place them on a flat surface with tube 7 on the left and tube 8 on the right. The decals should be face up and the arrows pointing upward (away from you). Allow the “U” shaped header brackets to hang over your assembly surface edge.



12. Locate and attach upper mast brace (MB3) using (4) ¼-20 x ½” screws to the inside of tubes 7 & 8. Make sure the decal is face up and the arrows on the brace are pointing the same direction as the arrows on tubes 7 & 8. The clicker shaft will be pointing downward and it will make attaching this part easier to allow the shaft to hang over the assembly bench as well. Do not fully tighten.



13. Lift the upper mast assembly and prepare to slide it onto the splice tubes of the lower mast assembly. Make sure the clicker shaft is at the top and pointing forward (same direction as wheel shaft on lower mast). Before attaching to the lower mast, connect the two light cord leads together and tuck the excess cord down into the tube. This may require an assistant.

connect



14. Once the rope light cord has been connected and tucked into the tube, slide the upper mast down onto the lower mast splice tubes and attach with (2) 1/4-20 x 1/2" screws. You may have to loosen the screws in the lower mast for alignment. Make sure the clicker shaft at the top is pointing forward (away from you) as well as the wheel shaft. You may now fully tighten all upper mast screws.



15. Your assembly should now resemble the photo at right with the header brackets, clicker shaft and wheel shaft all facing forward.

header brackets

clicker shaft

wheel shaft

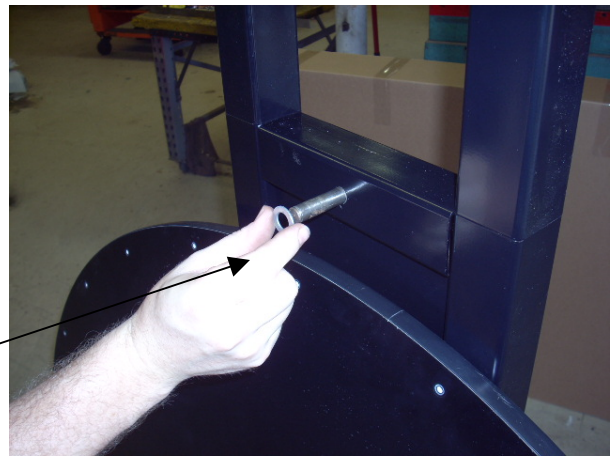


16. Locate and attach the wood header to the brackets at the top of the upper mast with (2) 10-32 x 1" screws. This step may require use of a step ladder. Use the two thru holes toward the center of the header. Make sure the rope light is facing forward and the cord does not get pinched on the back side. Fully tighten.



17. Locate the wheel shim washer and slide it on to the wheel shaft at the center of the lower mast.

slide washer on shaft

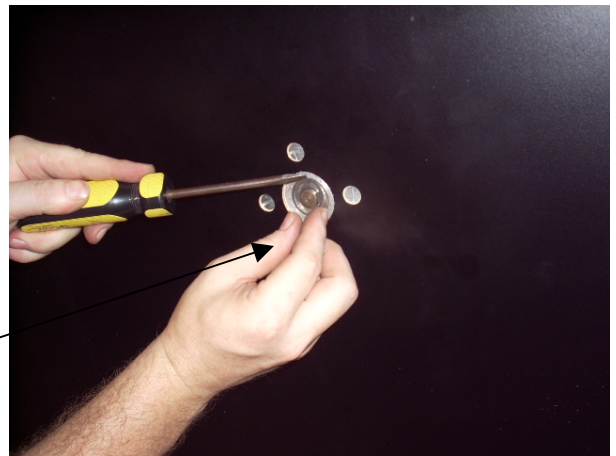


18. Slide the 48" wheel on to the wheel shaft with the bearing hub towards the rear. This may require an assistant.



19. Locate and attach the C-clip to the slot on the wheel shaft to lock the wheel in position. This will require a screwdriver or needle nose pliers.

attach c-clip



20. Locate the 24 wheel pins and nuts. Attach pins to the wheel by inserting one pin at a time through the outer holes in the wheel and securing with a nut on the rear side. This will require a screwdriver and 3/8" wrench. Do not over tighten.



21. Attach the printed plastic header and wheel panels to the header and wheel with (8) 10-32 x 1/2" screws. Align the holes in the wheel panel with the six screw inserts in the wheel before sliding the panel over the wheel pins.

align panel & wheel holes



22. Attach the clicker to the clicker shaft at the center of the top mast with (1) hex head 10-32 x 1/2" screw. Slide the clicker into the slot of the shaft and insert the screw from the **right** side of the shaft and fully tighten.

insert screw from right



23. Attach the bottom printed plastic panel with (4) 10-32 x 1/2" screws and fully tighten.



24. Finish the assembly of your prize wheel by sliding the plastic wheel pins caps on to each of the 24 wheel pins and insert the 2" plastic tube caps into each open end of frame tubing. The 2" tube caps may require a small amount of adhesive to hold them in place more securely.

A section of balancing weights are included with your wheel as well. These may be applied if desired to the outer rear edge of the wheel if balancing is desired.