ASSEMBLY INSTRUCTIONS FOR FUN INDUSTRIES' 48" RAFFLE WHEEL

The following pages will help guide you through the process of assembling your new 48” raffle 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

FUN
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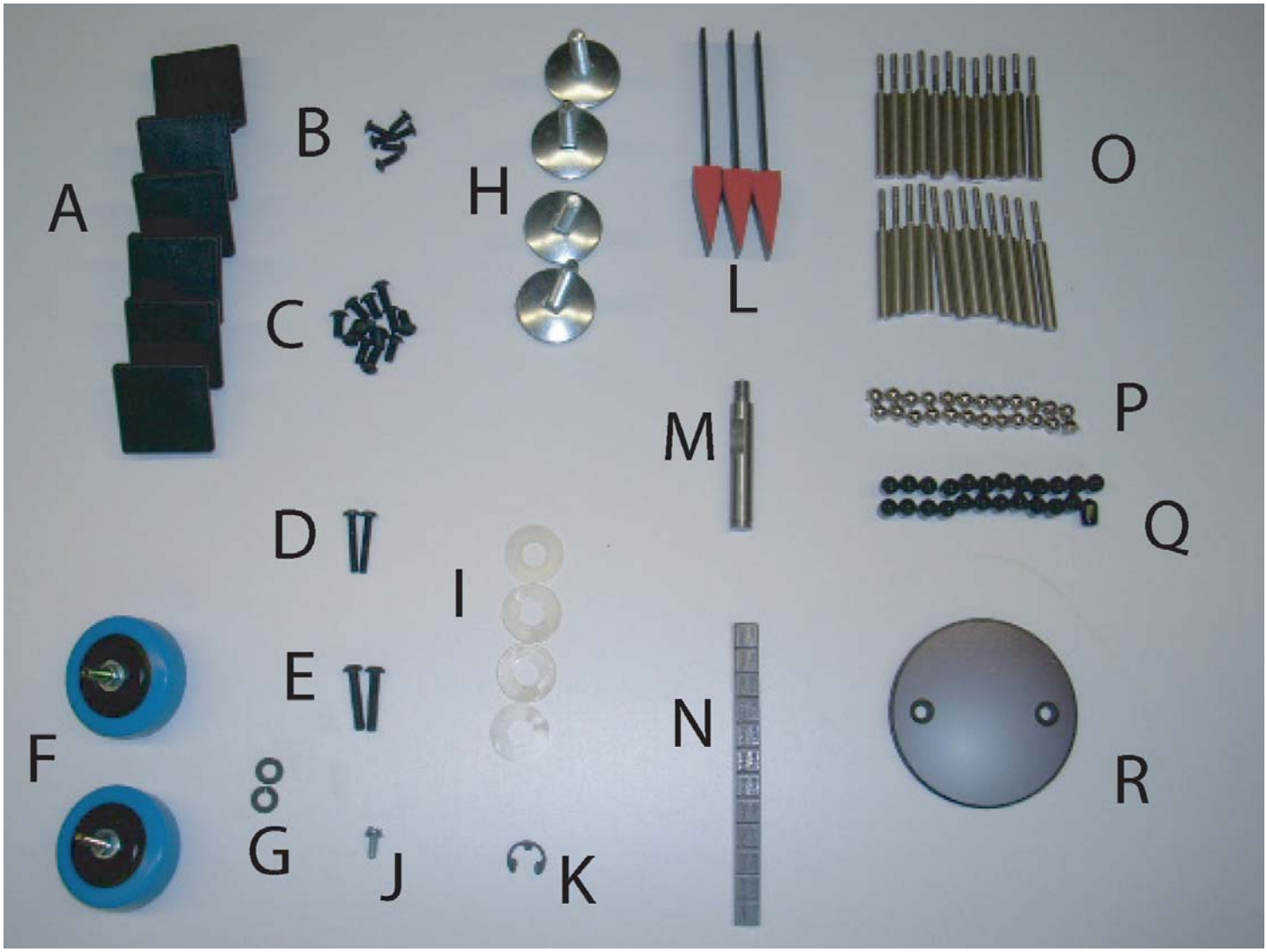
HARDWARE LIST

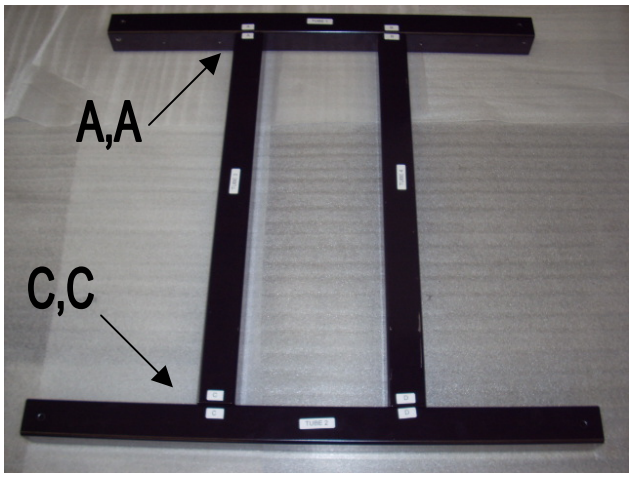


A. 6 pcs. 2” tube caps
B. 6 pcs. 10-32 x ½ socket screws
C. 38 pcs. ¼-20 x ½ socket screws
D. 2 pcs. 10-32 x 1 socket screws
E. 2 pcs. ¼-20 x 1 socket screws
F. 2 pcs. wheel assemblies
G. 2 pcs. wheel lock washer
H. 4 pc. base levelers
I. 4 pc. wheel shim washer
J. 1 pc. clicker screw
K. 1 pc. shaft “c” clip
L. 3 pcs. clicker
M. 1 pcs. prize wheel only shaft
N. 1 pcs. wheel weights
O. 24 pcs. wheel pins
P. 24 pcs. wheel pin nuts
Q. 24 pcs wheel pin caps
R. Drum center cap

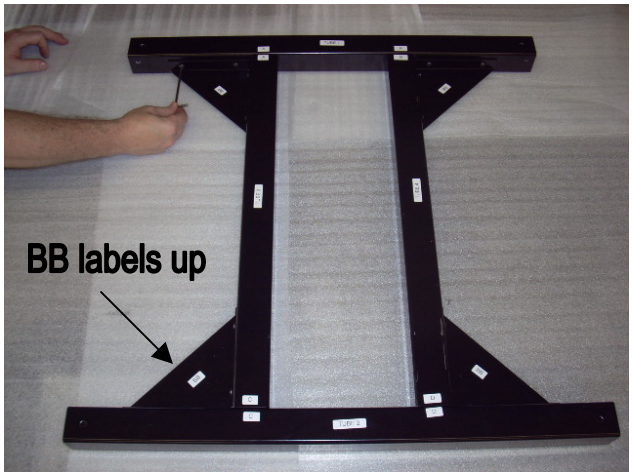
TOOLS REQUIRED

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

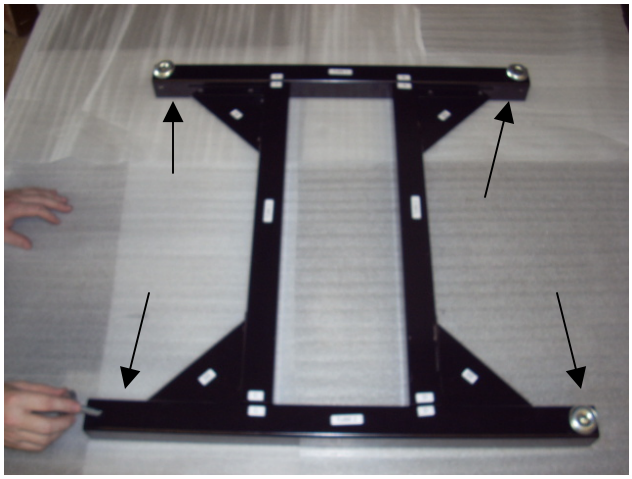
1. After removing all components from the packaging, position all of the steel pieces so that the part labels are facing upward. Locate and place base tubes #1 thru #4 on a flat surface. Position the tubes in an “H” pattern as shown so that the letters A thru D adjoin each other.



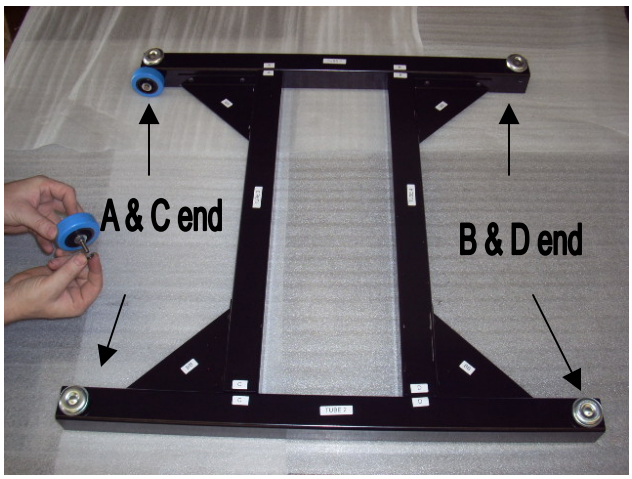
2. Attach 4 base braces (BB) to each intersection of tubes 1 thru 4 with (16) ¼- 20 x 1/2 “ screws. Make sure the labels on the braces face upward. Do not tighten completely until all screws have been started. Make sure not to over-tighten!



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

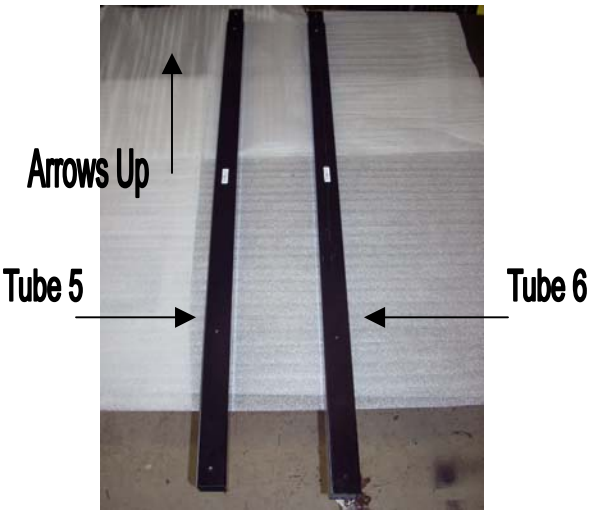


4. Locate the ¼” tapped holes at the inside ends of tubes 1 and 2. Slide a wheel lockwasher over each wheel assembly bolt and attach the wheel assemblies to the base. Both wheels must be on the left or right side (A and C end or B and D end). Do not over-tighten.

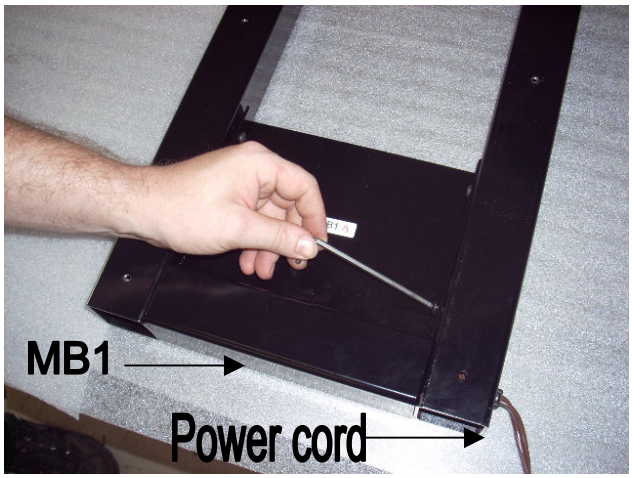


5. Flip the base assembly over. Locate the (4) ¼" tapped holes on the top of the center tubes. Attach the (2) mast braces (MB) with (4) ¼-20 x ½" screws. Position the braces so that the labels face each other (inward) and the vertical legs of the braces are towards the center of the base. Do not tighten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

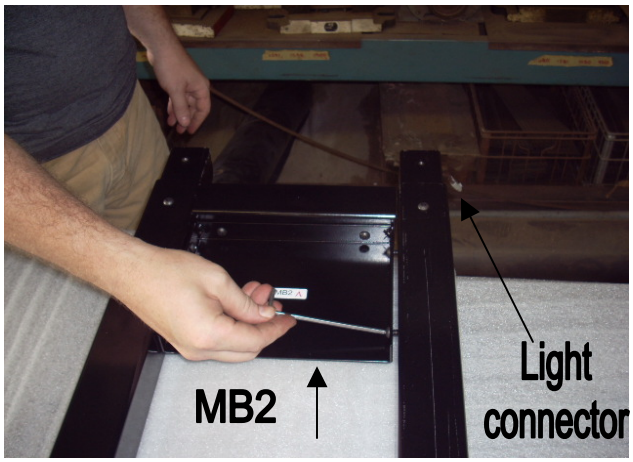
6. Assemble the lower mast by placing tube #5 and #6 on a flat surface with tube #5 on the left and tube #6 on the right. Make sure the decals are facing up and the arrows are pointing upward as well (away from you). These tubes will also have splice tubes protruding from the top end as well.



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.

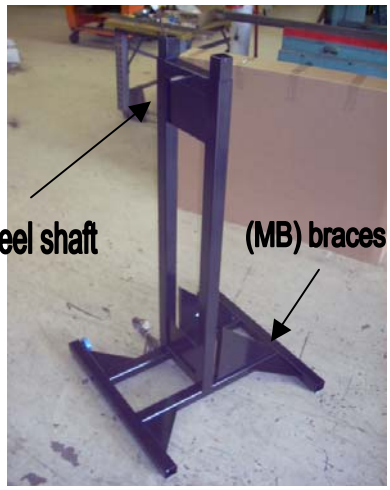


8. Locate the top lower mast brace (MB2). This brace will have the prize wheel shaft protruding through one side. Using (4) ¼-20 x ½" screws, attach this brace to the top end of tubes 5 & 6 with the decal facing up and the arrows pointing the same direction as the other decals. This part will attach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

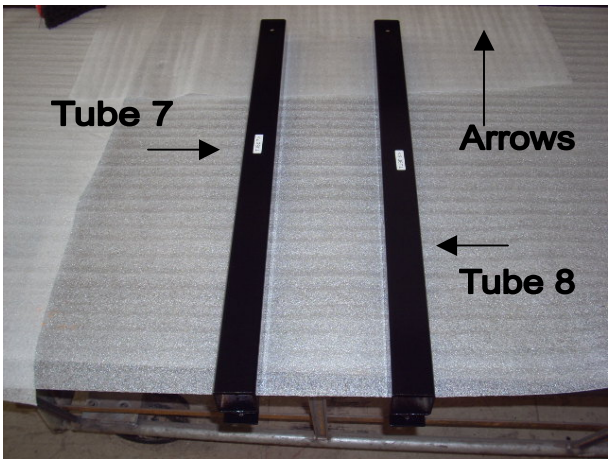


9. Stand the lower mast assembly upright with the wheel shaft at the top and facing forward. Attach the lower mast to the 2 braces (MB) on the base assembly with (4) ¼-20 x ½" screws. You may now fully tighten all (12) screws used in the assembly process to this point.

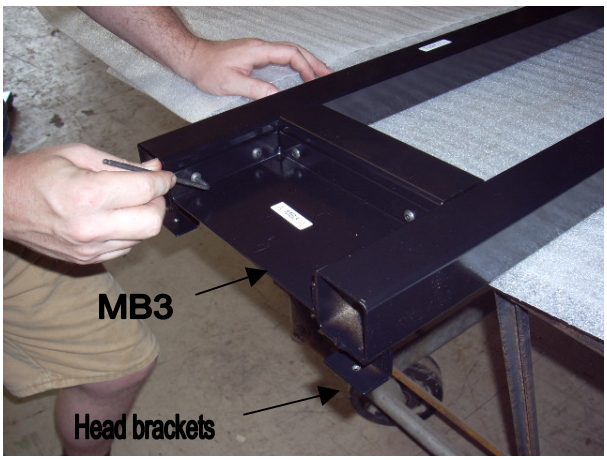
10. Your assembly should now resemble the photo to the right. Make sure that the wheel shaft is facing forward and the mast braces are at the rear.



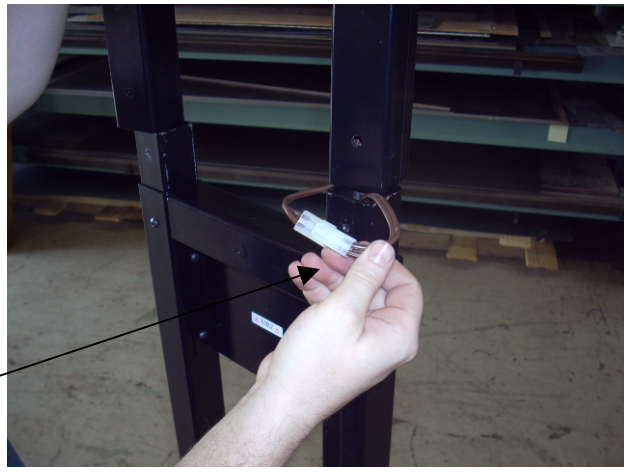
11. Locate tubes 7 and 8. Place them on a flat surface with tube 7 on the left and tube 8 on the right. The decals should be face up and the arrows pointing upward (away from you).



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 cliker 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.

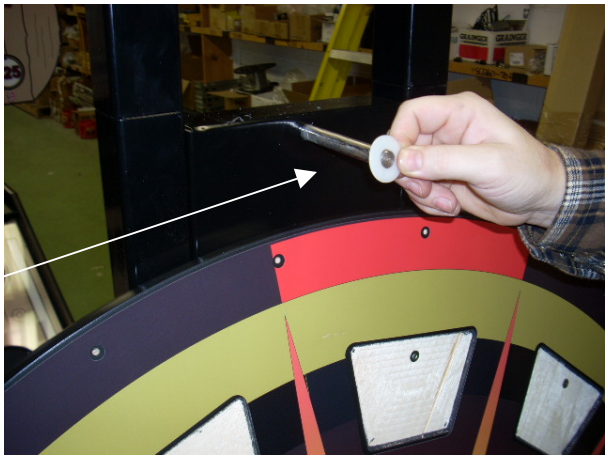


14. Once the rope light cord has been connected and tucked into the tube, slide the upper mast down onto the lower mast splice tubes and attach with (2) ¼-20 x ½"screws. You may have to loosen the screws in the lower mast for alignment. Make sure the clicker shaft at the top is pointing forward (away 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 clicker shaft and wheel shaft both facing forward.

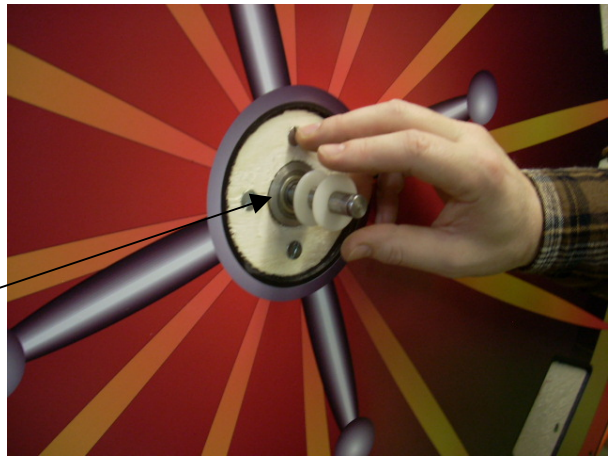
16. Locate and attach the wood header to the "u" bracket at the top of the upper mast with (2) 10-32 x 1" screws. This step may require use of a step ladder. Use the two thru holes toward the center of the header. Make sure the rope light is facing forward and the cord does not get pinched on the back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

17. Locate (1) wheel shim washer and slide it on to the wheel shaft at the center of the lower mast.



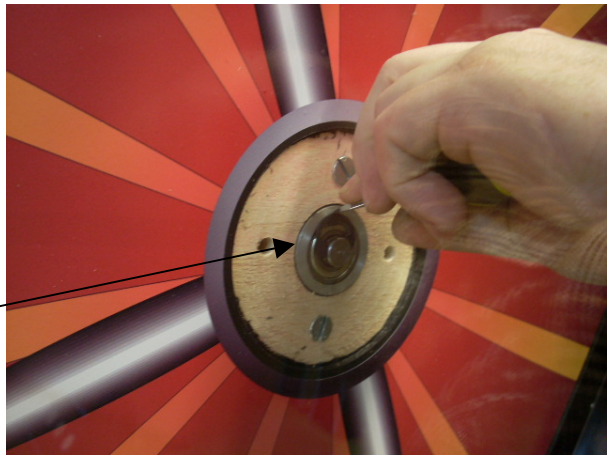
18. Slide the 48” wheel on to the wheel shaft with the bearing hub towards the rear. This may require an assistant.

19. Locate (3) wheel shim washers and slide them on the wheel shaft.

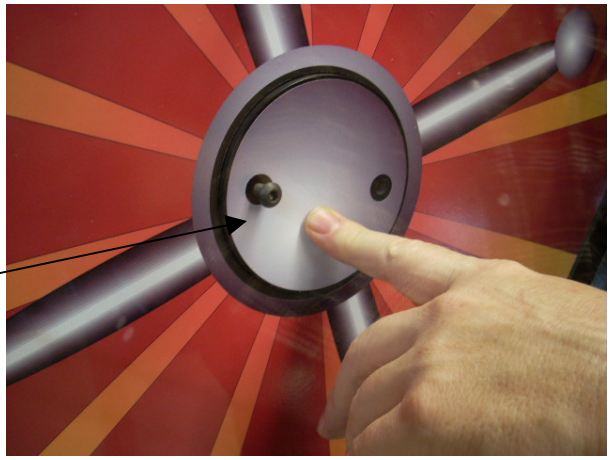


20. Locate the tumbler assembly and remove the locking door. Slide the tumbler assembly on the wheel shaft. The “c” clip groove should be visible on the end of the shaft. If it is not visible, you may need to remove one washer from behind the tumbler assembly.

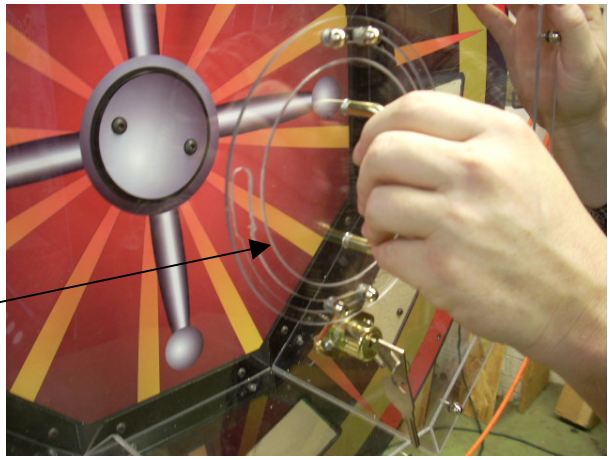
21. Attach the “c” clip to the groove on the shaft to secure the tumbler and wheel in place.



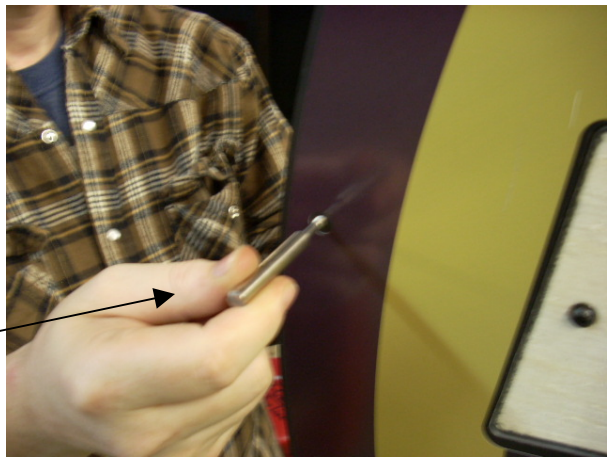
22. Attach the tumbler center cap over the end of the shaft with (2) ¼-20 x 1” screws.



23. Reattach the locking door to the front of the tumbler assembly and lock in place.



24. 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.



25. Attach the plastic header art panel to the wood header using (2) 10-32 x ½" screws.

attach header art panel

26. Attach the clicker to the clicker shaft using (1) 10-32 x ½" **hex head** screw.

attach clicker

27. Attach the printed footer panel to the front of the lower frame legs using (4) 10-32 x ½" screws.

attach footer panel

28. Attach your prize inserts to the wheel under each plastic cover.

attach prize inserts

Finish the assembly of your raffle wheel by installing the 24 plastic pin caps over each of the 24 wheel pins and inserting the 2” plastic tube caps into the open holes of the frame.

Wheel Balancing/Leveling

We have also included a set of adhesive balancing weights for the 48” wheel. If your wheel needs to be balanced, remove the nylon clicker to allow the wheel to rotate freely. The heavy side of the wheel will come to rest at the bottom. Place the weights, one at a time as needed on the top outer rear edge of the main 48” wheel. This will prevent the wheel from spinning backwards after it has stopped. Once the wheel is balanced, replace the nylon clicker. You may also need to adjust the level of the wheel by loosening the (4) screws behind the wheel shaft plate. Have an assistant hold the wheel level or slightly above level and retighten the screws.

Prize Wheel only

Also included in your loose parts is the shaft for operating your unit as a prize wheel only without the raffle tumbler. You will need to disassemble the raffle drum from the main shaft, remove the 48” wheel and replace the raffle wheel shaft with the shorter shaft provided and reaasemble placing the center cap for the tumbler over the center of the 48” wheel with (2) ¼-20 x 1” screws.