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## The Haunted Carousel - Assembly Instructions Page 2.



WHAT YOU'LL NEED: Scissors, Elmer's glue or a glue stick, Scotch tape (or any plastic tape), a ruler or other straight-edge, a small utility knife, a needle, a toothpick, three bamboo skewers (kabob sticks), a piece of cardboard at least 6 inches square and a large black marker.

FOLDING TIP: I recommend 'scoring' the fold lines before folding. You can use an old ink pen, a knitting needle, the end of a paper clip, or any metal object that will make a crease on the fold lines without tearing the paper. Scoring will help you fold much more quickly and precisely.

## ASSEMBLY:

Begin by cutting out the CENTER on parts Page 1. Fold the large blank tab DOWNWARD, fold the remaining twelve blank tabs UPWARD and then fold DOWNWARD between each of the six panels. Glue the large blank tab to the unprinted side of the opposite panel, forming a piece like the one shown in Figure 1.

Next, cut out the SUB-FLOOR on Parts Page 1. Use the utility knife to remove the white center area. The SUB-FLOOR has six blank triangular tabs. Cut along one side of each tab, as shown in red in Figure 2, and then fold each tab DOWNWARD. Fold the six side panels DOWNWARD and glue the triangular tabs to the unprinted side of the adjoining side panels. The piece should now resemble Figure 3.

Place the CENTER over the hole in the SUB-FLOOR. Glue the CENTER's bottom tabs to the top of the SUB-FLOOR, carefully lining up the edges of the tabs and the edges of the hole, as shown in Figure 4 and Figure 5.

Now cut out the FLOOR on Parts Page 2. Use the utility knife to remove the white center area. Slide the FLOOR over the CENTER and glue the FLOOR to the SUB-FLOOR as shown in Figure 6.

The FLOOR has six red dots. Carefully puncture the center of each dot with the needle. Push the toothpick through each dot to enlarge the hole. Then push a bamboo skewer through each hole to enlarge it further.

After punching and enlarging all six holes, cut out the SUB-FLOOR LINER on Parts Page 3. Use the utility knife to remove the white center area. Fold the six side panels DOWNWARD. Now glue the SUB-FLOOR LINER's side panels to the inside of the SUB-FLOOR's side panels, as shown in Figure 7. The SUB-FLOOR LINER panels should line up with the bottom of the SUB-FLOOR panels, leaving a gap between the floor and the top of the liner.

Now cut out the CEILING on Parts Page 4. Use the utility knife to remove the white center area. Fold the six blank tabs DOWNWARD. Slide the CEILING over the CENTER and glue the printed side of the CENTER's upper tabs to the unprinted side of the CEILING, as shown in Figure 8.

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Cut out the TOP LINER on Parts Page 5. Use the utility knife to remove the white center area. Glue the TOP LINER to the unprinted side of the CEILING as shown in Figure 9. (The purpose of the top liner is to prevent the CENTER's upper tabs from coming loose.)

The CEILING has six red dots. Carefully puncture the center of each dot with the needle. Push the toothpick through each dot to enlarge the hole. Then push a bamboo skewer through each hole to enlarge it further.

Next, cut out ROOF A on Parts Page 6. Fold the three side panels UPWARD, folding along the blue lines. Then fold the large gray tab DOWNWARD and fold DOWNWARD between the three triangular panels. Cut out ROOF B and fold in the same manner as ROOF A.

Glue the gray tab on ROOF A to the unprinted side of the yellow panel on ROOF B. Glue the gray tab on ROOF B to the unprinted side of the purple panel on ROOF A. The piece should now resemble Figure 10.

When the carousel is finished, the roof will rest on a pointed post, so we need to reinforce the peak so the post won't poke through. To do so, use Scotch tape or any plastic tape (such as black tape). Use three pieces of tape, each about an inch and a half long. Cross the pieces over the peak of the roof as shown in Figure 11 and press the tape down flat. (Masking tape was used in the photo for clarity, but plastic tape is preferable because it's stronger.)

To cover the tape so the roof looks nice, cut out ROOF COVER A and ROOF COVER B on Parts Page 7. Fold the tabs (with dots) DOWNWARD and then fold DOWNWARD between the roof panels. Connect the two pieces in the same manner as we did with ROOF A and ROOF B. Place the finished ROOF COVER directly over the ROOF and glue in place. The ROOF should now again resemble Figure 10.

Place the ROOF in position over the CEILING and glue the CEILING tabs to the unprinted side of the ROOF's side panels, as shown in Figure 12 (shown upside down for clarity).

Now cut out TRIM A and TRIM B on Parts Page 5. For each piece: fold the gray tab DOWNWARD and then fold DOWNWARD between all three panels. Glue the TRIM A tab (with a yellow dot) to the unprinted side of the yellow panel on TRIM B, to form one long strip of trim.

Place the red TRIM panel against the unprinted side of the matching red ROOF panel. Glue these two panels together. Glue the TRIM tab (with a purple dot) to the unprinted side of the adjacent purple ROOF panel, as shown in Figure 13. Now work your way around the roof, gluing each trim panel to the matching roof panel. You can tidy up the finished trim by using the black marker to darken any white paper that's still showing. The trim should now resemble Figure 14.

For the carousel to spin smoothly, we need to add a cylindrical lining to the center hole. Cut out the CENTER LINER on Parts Page 2. Gently curl the liner and place it inside the center hole. Leave the liner extending slightly beyond the sub-floor liner, as shown in Figure 15. Expand the CENTER LINER until it's snug against the sides (but not bent anywhere) and glue the center liner to the sides in a few spots.

All that remains is to add horses and make a base for the carousel to spin on. We'll begin with the horses. You'll find one horse on Parts Page 4 and five horses on Parts Page 8. For each horse: Cut around the outer black lines, fold DOWNWARD along the red center line, cut out the lower area of the horse as shown in Figure 16, and then cut out the rest of the horse. DO NOT glue the two sides together yet.

Cut the three skewers into six pieces, each three and a half inches long (don't use the pointed ends). You now have six poles for the horses. Make a mark on each pole two inches from the end.

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For each pole: Place one side of a horse against the pole, with the top of the horse's back lined up with the two inch mark (as shown in Figure 17) and glue the horse's side to the pole. Now grab the other side of the horse and glue the two horse sides together. Use your fingernails to gently press the paper together in front and back of the pole so the paper contours itself around the pole, as shown in Figure 18. To finish the horse, use the black marker to get rid of any remaining white paper edges (since the piece is a little too small to easily trim with scissors). Repeat this process for all six horses and poles.

Add the finished horses to the carousel by carefully inserting the poles into the floor and ceiling holes. The carousel should now resemble Figure 19.

Cut out the POST on Parts Page 9. Fold the four lower gray tabs UPWARD. Fold the blank rectangular panel DOWNWARD and then fold DOWNWARD between the four side panels. Fold DOWNWARD between all five triangular panels. Fold DOWNWARD between the triangular panel and the rectangular side panel it's connected to. Fold the remaining four-sided wooden panel DOWNWARD.

Glue the blank rectangular panel to the unprinted side of the opposite rectangular side panel. Glue the blank triangular panel to the unprinted side of the opposite triangular panel. Glue the remaining four-sided wooden panel directly over the matching side panel to form a post like the one shown in Figure 20.

Cut out the GROUND on Parts Page 3. Use the utility knife to remove the white center area. Slide the GROUND down over the POST and glue the printed side of the four POST tabs to the unprinted side of the GROUND. The base should now resemble Figure 21.

Smear lots of glue on the unprinted side of the ground and then glue the ground to the cardboard as shown in Figure 22. Cut away the extra cardboard.

Place the carousel over the post as shown in Figure 23. Place your fingertips over the peak of the roof and give the carousel a gentle spin. The carousel should revolve easily on the post.

And that's everything! Your haunted carousel is now complete.