

RACETRACK BLEACHERS PHOTO REAL BUILD KIT

by *Innovative Hobby Supply*

Making Traditional Hobbies Better!

INSTRUCTIONS FOR:

Kit BK 6402 "Racetrack Bleachers" Build Kit ~ 'S' scale

Free replacement parts are available simply by calling 866-712-4059.

Includes two (2 ea.) Ultra Sign sample sign posts.

Views of the completed Photo Real "Racetrack Bleachers" build kit shown below are for reference purposes and as an aid in assembly.



Racetrack Bleachers — front view



Racetrack Bleachers — rear view



Racetrack Bleachers — left side view



Racetrack Bleachers — right side view

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INTRODUCTION

Please read these step-by-step instructions thoroughly before you undertake any cutting or assembly. Then follow the simple step-by-step instructions. This build kit is an expert skill-level kit in our **Photo Real Building Kits** product line. Assembly time is approximately 2 – 2½ hours. With just a little patience and the right tools, this amazing kit can be constructed by any hobbyist, offering a more realistic-looking model than painted plastic forms. Printed on our exclusive, high-definition 'Flex Stock' material, these kits are very rugged and will provide many years of enjoyment on your train layout, slot car track, or diorama.

After you've read through the assembly instructions once, start again at the beginning and follow the steps to cut and assemble the model. We strongly recommend using a hot-melt mini-glue gun for assembling this kit. (Mini-glue guns are available at your local craft store, as well as many hardware stores and drug stores, for less than \$5.00.) Hot melt glue is easily controlled and sets-up fast, which greatly speeds-up the assembly time since you don't need to wait for the glue to dry. **Use hot-melt glue sparingly:** apply an amount just sufficient to tack the items together. You can reinforce the bond surfaces with a final bead of hot glue – or with white glue – once you are satisfied with placement of component pieces.

These instructions include plenty of clear, full-color photographs to make assembly easier. As with all model assembly, some patience is required. The skills acquired in constructing your first building kit will carry over to our other kits, which will make it easy to add as many buildings to your layout as you desire – saving you time and money and giving you better results than for most molded plastic kits. Enjoy the most innovative and realistic scale-model building kits available.

GETTING STARTED

IMPORTANT: The most important skill in getting a good result is the technique of 'scoring' the material where indicated (fig. 1-A, 1-B). Scoring is simply making a shallow cut through the top layer of the paper with a sharp hobby knife (e.g., an X-acto knife) while using a ruler or other straight edge.



Figure 1-A, 1-B - Score the component pieces as required and fold them along the sharp edge of a table.

This technique is simple to learn, yet vital to getting a perfect fold – even on small parts! Using this technique helps to ensure a beautiful trouble-free assembly. Without it, the folded edges tend to buckle unevenly and look bad when assembled.

Practice on a scrap piece until you have perfected your technique sufficiently to have confidence. The hobby knife should be used for scoring only! When cutting out parts completely, use a sharp scissors as this material is tough and does not cut easily with a knife. Remember to always wear safety glasses when using sharp tools or hot glue guns. Keep all materials away from extreme heat or flames. Adult supervision is required for those under age 16.

- 1) Collect the assembly tools you will need: hobby knife, hot-melt mini-glue gun, straight-edge, scissors, tray (for separating and storing component pieces from scrap), tweezers (figs. 2-A, 2-B).



Figures 2-A, 2-B - Useful tools/materials for assembly.

- 2) Other useful tools include hobby glue (also called white glue) waterproof Sharpie-type markers in red, black, brown, green and silver for detailing edges. Clear tape is useful for temporarily holding components together from the inside areas.
- 3) Carefully cut out the seven main components as shown: #1 front wall, #2 right side-wall, #3 left side-wall, #4 back wall, #9 center support, #10 roof, #23 floor base (fig. 3). Set aside these components for later assembly.
- 4) Fold each of the ten benches (Items 1-10) at a 90-degree angle along their lengths (fig. 3) using the corner edge of a table to make a clean fold down the middle. If the component pieces have been scored properly, the fold should break nicely along the score-line. Set aside the bench pieces for later assembly.

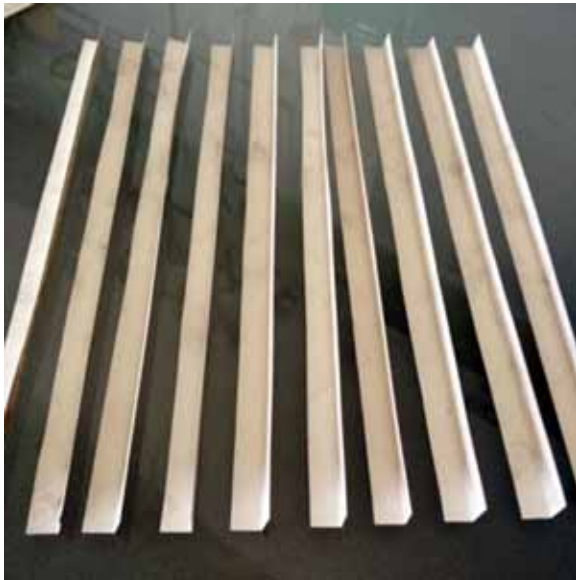


Figure 3 - Fold the bench pieces 90 degrees.

- 5) Cut out two (2), outside corrugated bleacher side supports and four (4) wood center supports side pieces (6 items total – see fig. 4). Set aside the side and center support pieces for later assembly.

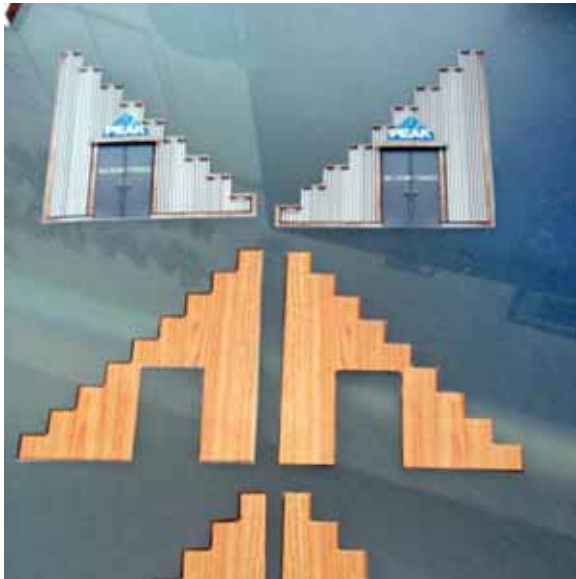


Figure 4 - Cut out the bleacher supports.

TIP: It will be easier to trim the bleacher side and support pieces by first making a diagonal cut along the staircase edge and trimming out the notches, as shown in figure 5.

TIP: Coloring the white edges of small component pieces using a permanent marker such as Sharpie makes the assembled kit look more realistic (fig. 6). Using a marker of the appropriate color adds to the look of realism.



Figure 5 - Trim out the stair support notches.

- 6) Detail and small bonus items may be cut out carefully with the scissors and set aside for later use while you are working with larger component pieces.



Figure 6 – Detail the component edges.

- 7) Cut out the corrugated bleacher inside stair supports (fig. 7). Apply hot-melt glue to tack the inside corrugated stair supports to the two outside corrugated bleacher side supports (ref. fig. 4), as shown below, and set them aside.

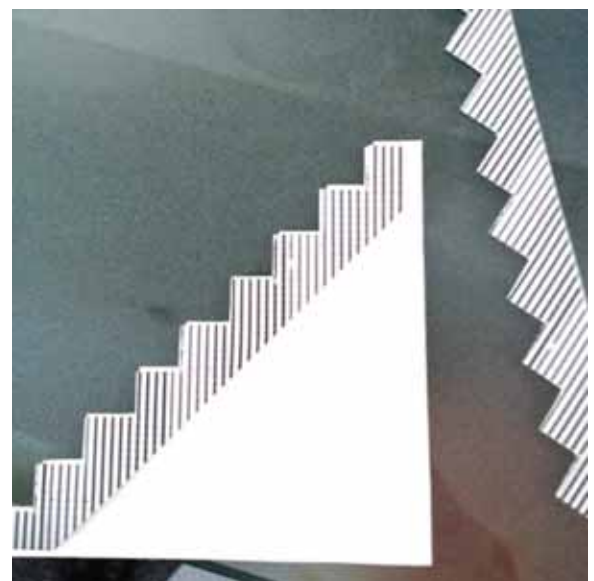


Figure 7 - Cut out the inside stair supports.

- 8) Cut out the remainder of the back bleacher component pieces (fig. 8).



Figure 8 - Cut out the back bleacher parts.

- 9) Cut out the remainder of the front bleacher component pieces (fig. 9) including the checkered top header and lower header.



Figure 9 - Cut out the front bleacher parts.

TIP: For best results, if you intend to detail the edges of small component pieces, do so before final assembly.

- 10) Assemble the right and left wooden center supports so that both sides show a wood-grain surface (fig. 10).



Figure 10 - Assemble the left and right center supports.

TIP: For best results, be sure to assemble the entire base structure before attaching the bleacher benches.

- 11) With the two (2) completed supports ready for assembly, set aside all four (4) completed base structure subassemblies for later assembly (fig. 11).



Figure 11 - Set aside the completed subassemblies.

- 12) Run a thin bead of hot-melt glue along $\frac{1}{2}$ in. of the uppermost back edge of the outside corrugated bleacher side supports (ref. fig. 4) and attach them to the checkered top-header. The top edge of the bleacher side supports should align with the lower edge of the middle checker on both sides (fig. 12).



Figure 12 - Align and glue the supports and header.

TIP: Use hot-melt glue initially just to tack the assembly together. You can follow-up with a bead of glue along the joints once you are satisfied with the final placement.

- 13) Attach the center supports to the checkered top-header in the same way as the side supports (fig. 13). Make sure they are evenly spaced between the side supports and positioned precisely at the same height.



Figure 3 - Attach the top header to the supports.

- 14) Attach the front lower header (with logos) to the corrugated bleacher side supports (fig. 14).



Figure 14 - Attach the lower header to supports.

- 15) Attach the rear bleacher fence to the corrugated side supports (fig. 15). Finally, attach the two wood-grain center supports to the front lower header.



Figure 15 - Attach the rear bleacher fence.

- 16) Score, fold and attach the rear bleacher corner pieces (fig. 16).

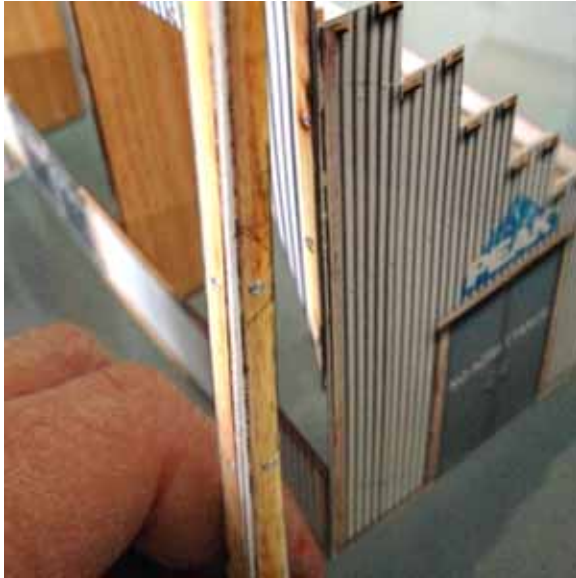


Figure 16 - Attach the rear bleacher corner pieces.

- 17) Starting at the top, run a thin bead of hot-melt glue on matching treads of the two wood-grain center supports (fig. 17). Seat the bleacher in place. Repeat to attach all ten bleacher seats to the center supports one at a time.

IMPORTANT: Do not glue the corrugated bleacher side supports yet as this will prevent any warping of the structure. The side supports will be glued later.



Figure 17 - Attach the bleacher seats using hot-glue on matching treads.

- 18) When all ten bleachers have been attached to the center supports, use a drop of hot-melt glue at each end to attach them to the corrugated side supports. Notch the lowest bleacher so it fits flush over the center supports and tack in place (fig. 18).



Figure 18 - Notch the lowermost bleacher.

- 19) Assemble the left- and right-side handrail supports. Score, fold and apply a drop of hot-melt glue to tack them together. Attach the supports to the corrugated side walls (fig. 19).



Figure 9 - Attach the handrail supports.

- 20) Score, fold and attach the handrails (fig. 20). **DO NOT GLUE IT CLOSED.** Leave the middle portion open to attach it to the handrail uprights.



Figure 20 - Attach the handrail via the open slot.

- 21) Install the two (2) center support back panels (fig. 21). These panels are design to overlap other component pieces. Once these panels are in place, the assembly will be quite rigid and easy to handle.



Figure 21 - Attach the center support back panels.

- 22) Attach the awnings and door landings (fig. 22). Shape the awnings in a curve as shown and apply a thin bead of hot melt glue to the flat portion.

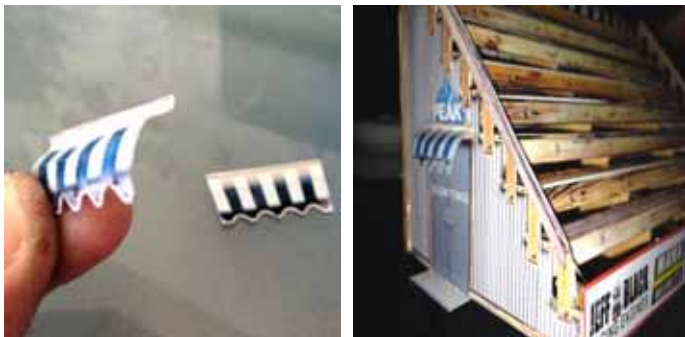


Figure 22 - Attach the awnings and door landings.

- 23) Carefully cut out and install small detail components and bonus items such as pennants, clock, welcome banner, popcorn boxes, etc. as desired. If desired, the gate to the back fence may be cut and shown opened (fig. 23).

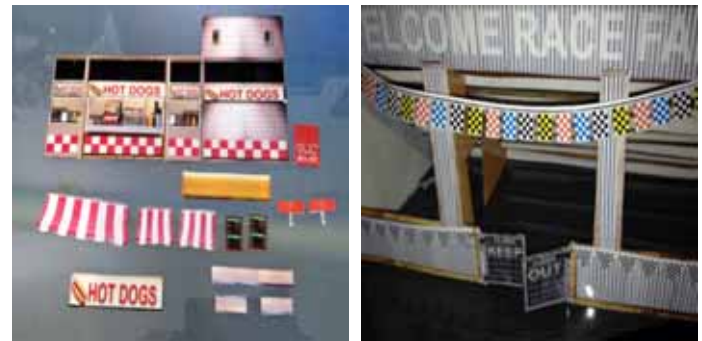


Figure 23 - Cut and install any small detail items.

- 24) Reinforce the assembly with hot-melt glue or white glue as appropriate. Use a tweezers to remove any hot-melt glue strings.
- 25) **BONUS HOTDOG STAND:** Use the same techniques to assemble the bonus hotdog stand (fig. 24). Hotdog stand component pieces are simple to assemble. Don't forget to score the components at the fold points.



Figure 24 - Assemble the hot dog stand.

- 26) Enjoy your completed Racetrack Bleachers!

The skills you have learned in assembling this build kit will make constructing any of our line of Photo Real Build Kits faster and easier. Check out our entire line of photo-realistic build kits at www.innovativehobbysupply.com