

Step By Step Instructions For

Open Pit Garage/ PHOTO REAL BUILD KIT Innovative Hobbies

Making Traditional Hobbies Better!

for Kit # BK XXXX

Finished Open Pit Garage shown below Read the Step By Step Instructions Carefully



Finished Model Of The Track Side Open Pit Garage with Open Garage Stalls

Scale and use: For 1/64th HO AFX, Aurora, Model Motoring, Autoworld Drag Race sets as a slot car scale trackside building. Can also be used with Carrera Go sets of 1/43 scale race sets with success and can even be used with HO or O scale train set scenery. Or just as a display diorama for displaying your Hotwheels and Matchbox type cars.

Special features: Includes Realistic car Lift for displaying race cars. 3 Mini Tool Boxes, Trash cans, and interior details. A hanging sign that can rotated in any position. 2 ea sided side barriers with sponsor logos are also included.

Extra Build Materials Included: 3 Stall Garage and accessories.

Also Included in the kit:

- 1 ea large hat pin with round head.
- Landscape material.
- 9 inches of 18 gauge insulated automotive wire in red or black to make the 3ea ceiling mounted hose.
- 1pc of aluminum foil tape 5 inches long to cover the hydraulic lift ram.
- 1 ea thin cotton string about 18 inches long for making the final 10” wide string pennant.

Needed Tools:



INTRODUCTION: Open Door Pit Garage is a skill level 2 Kit in the Photo Real Building Kit Line. Build time is approximately 3.2 hours. With just a little patience and the right tools this amazing kit can be built with great success by any Modeler, offering a more realistic looking Model. Built with our exclusive HD printed "Flexistock". This model once assembled are plenty rugged and will give many years of enjoyment on your train layout, slot car track or scale diorama.

Please Read through all the instructions before starting any cutting or assembly.

Then follow along again in the simple step by step Photo guided instructions. We strongly recommend a Mini Hot glue gun with an extra small hole in the tip for building all Photo-Real Building Kits. One brand that works very well is the "SUREBONDER brand" These inexpensive and handy glue guns are available from all hardware stores, drug and craft stores for about Ten Dollars or less. They usually include plenty of glue sticks also. With this type of glue gun, no wait time for drying is needed and will speed and ease of assembly greatly. Use hot glue sparingly and just "Tack" items together and let cool. Reinforcing with final bead of hot glue can be done once satisfied with placement or after the final assemble. Scoring at fold lines and then folding on a desk edge will give you crisp accurate folds. These instructions are loaded with clear full color photographs to make your assemble stress free and easy. As with all model kits, patience is required! We want you to enjoy the assembly of probably the most innovative and realistic Building Kits available. The skills and techniques you will acquired in building your first Photo Real Kit will carry over to all our other kits. Making it a breeze too add as many buildings to your layout as needed, saving you money, time and with better results than most standard plastic molded kits that need to be hand painted. Advanced Modelers will relish our kits, adding their own touches such as more interior details, weathering of

components. Photo Real Kits are also a great head start for even super advanced scratch build modelers and diorama experts.

GETTING STARTED

IMPORTANT : The most important **skill** of “**Scoring**” or **Barely cutting though the top layer with a sharp “Hobby Knife” at the fold lines and using a Ruler as a straight edge and then folding on a desk edge will give you a perfect crisp fold every time. See Fig. 4.** It is a simple technique to learn yet vital to perfect folding of kit components even on small parts. With this technique a beautiful realistic trouble free build can be achieved.

Please practice scoring, folding and gluing angled joints on a scrape piece until perfected. The hobby knife with a new blade is to be used for scoring only and for door cut outs. For the cutting out of small and large parts completely the use of a sharp modern scissors is the only way to go as this material is too tough and does not cut easy with a hobby knife but does with a sharp scissors.

Remember to always wear safety glasses when using sharp tools or heated glue guns. Keep all materials away from extreme heat or flames. Adults must carefully supervise and aid in cutting and gluing anyone under age of 16.

Remember to un-plug your glue gun when not in use and follow their safety guidelines.

Before starting Anything...

Gather the tools needed: Hobby knife, mini hot glue gun, a ruler for a straight edge for scoring , sharp modern scissors, tray for storing and separating components from scrap and a tweezers is handy for removing any hot glue strings or webbing and placing and gluing small parts.

Also gather white glue for cementing right and left components together and non-valuable heavy book to place over these parts to hold them flat while they dry. Gather markers in grey or silver, Brown, for detailing edges, like the Sharpie Brand or any waterbased markers work fine as well. A

pencil is handy for marking roof overhang spacing lines. Also gather a few zip lock bags to store small components while waiting to be assembled. Small pre drawn glueing tabs are also included in this kit and can also be useful to temporarily holding components together like a extra set of hands from the inside areas. Paint is not needed, however water-based paint can be used to detail all white cut edges also instead of markers as it will soak into the cut edges and is repelled by the printed surface, just brush it on the edges and wipe off excess immediately with a slightly damp paper towel.

Tip: Keep all your scrap in a small clean garbage bag to separate from your important components. Keeping your workbench clear of scrap will help in not losing parts, and if you do you will know where to look.

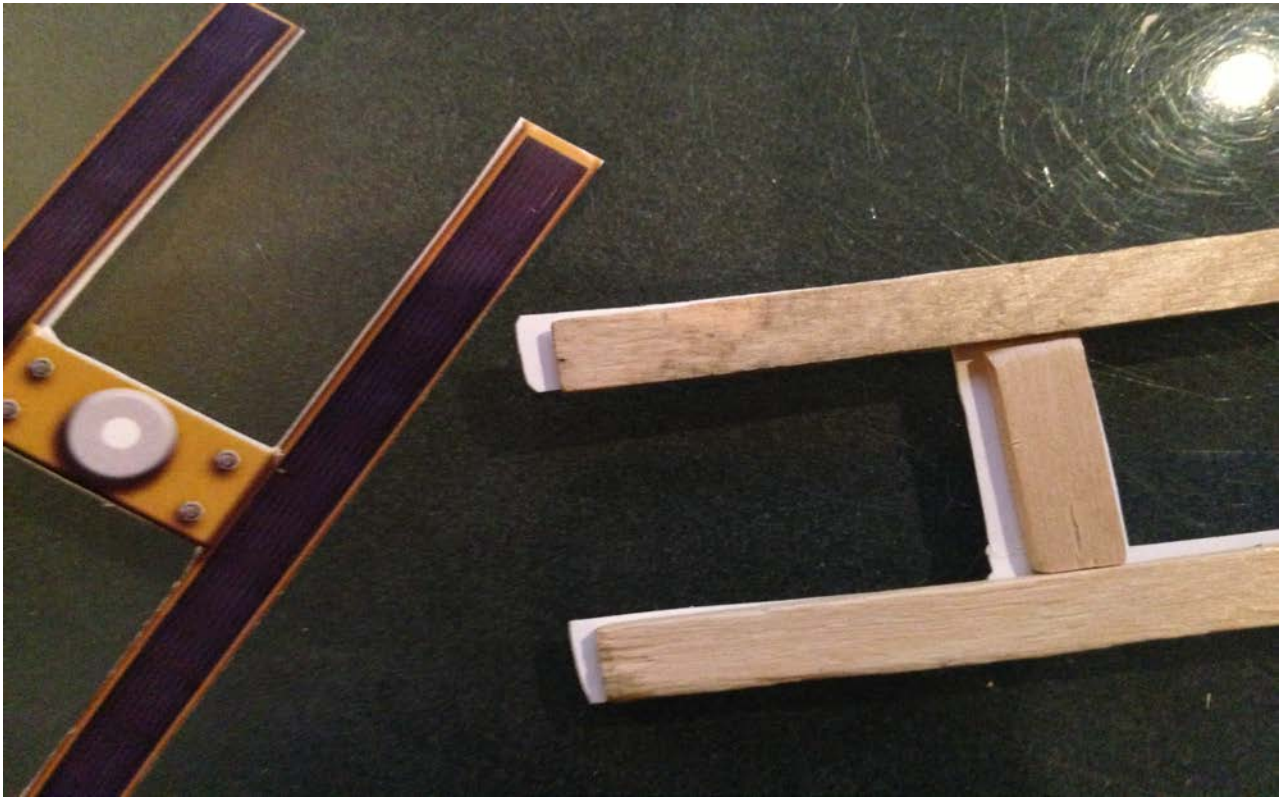
See Next Page for step 1

Instructions Open Pit Garage

Step 1 The Main Components /cut out all main components shown in picture and set aside the rest of the components in a baggy so they are not lost see pict



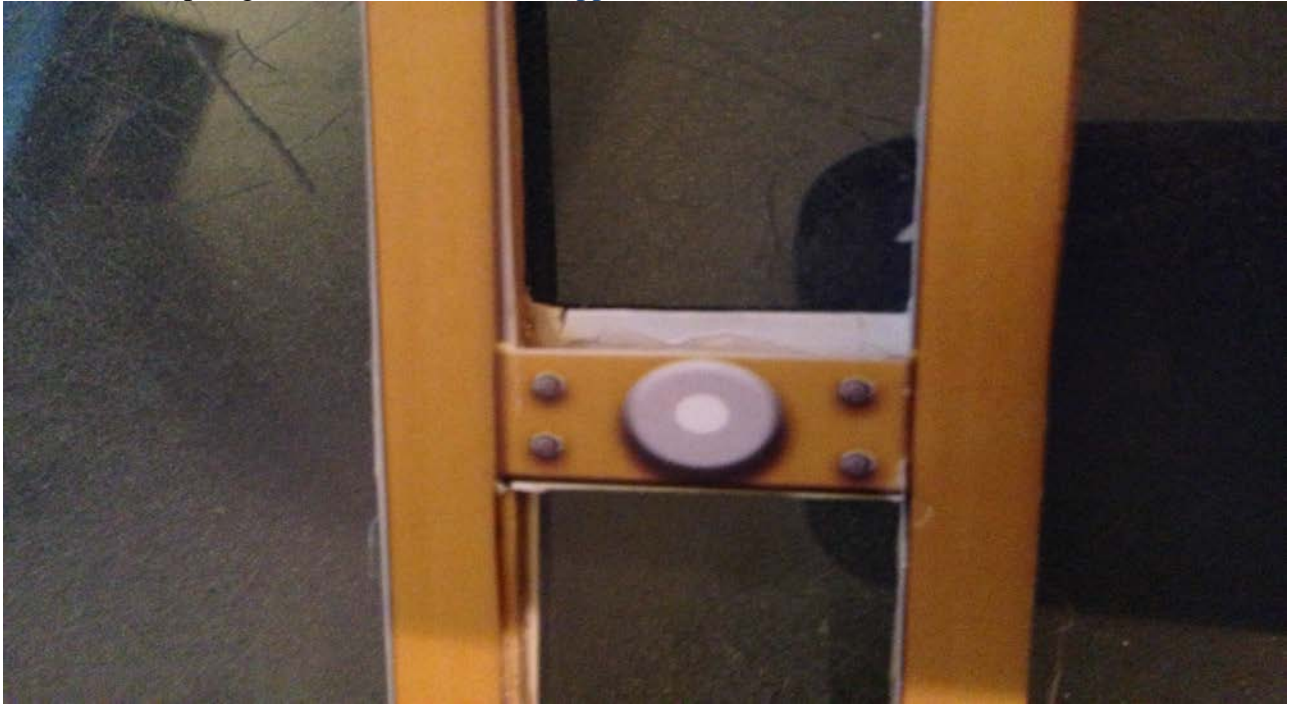
Step 2 3D Hydraulic Car Lift/ cut a hobby stick that is included in half and then one small piece for center section to fill the gap as shown. These sticks will reinforce the lift so cars or slot cars can be displayed on the lift



Leave a ¼” gap at the two ends of the lip. Glue these sticks down to the yellow lift side as shown in picture, then glue the top of the lift to the bottom of the lift carefully with a small amount of white glue or hot glue and let dry close the very ends of the lift fork with a dab of hot glue so they come to a flat point/



Fold finish flap to give the front of the lift support lift rail a realistic look.

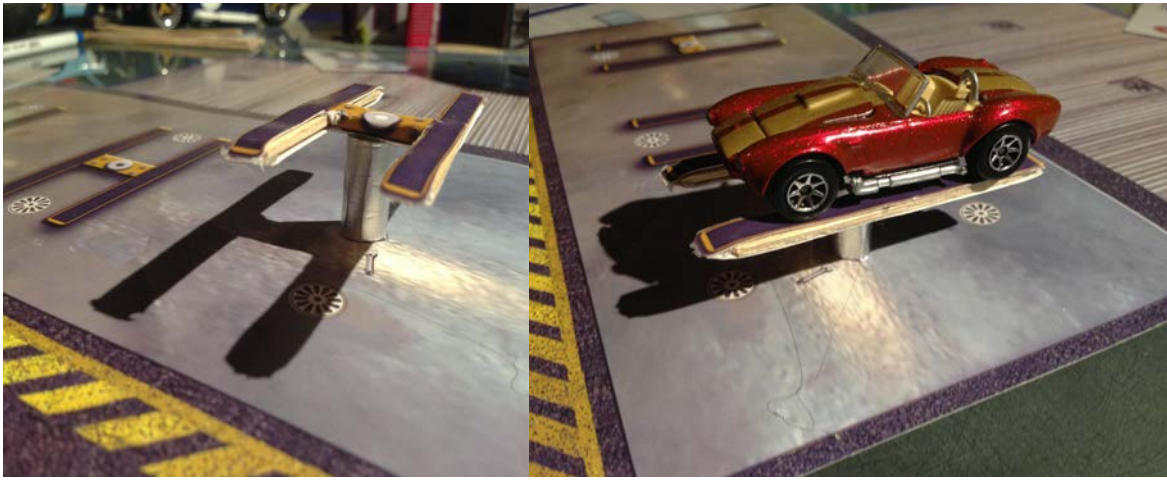


Step 3 Hydraulic Ram

Cut Out the Hydraulic lift RAM section that is about $\frac{3}{4}$ inches high by 3 inches long. Next peel backing from foil tape provided and place the flat ram on the sticky side. Remove the overhanging foil and roll the now aluminum covered around a ball point pen, cut off excess leaving just a glue flap and hot glue it so it leaves a perfect hollow ring. This will go under the lift rails and duplicates a steel Hydraulic ram perfectly. NOTE If You want the Lift Ram it shorter and not so high cut the ram width before rolling and gluing.

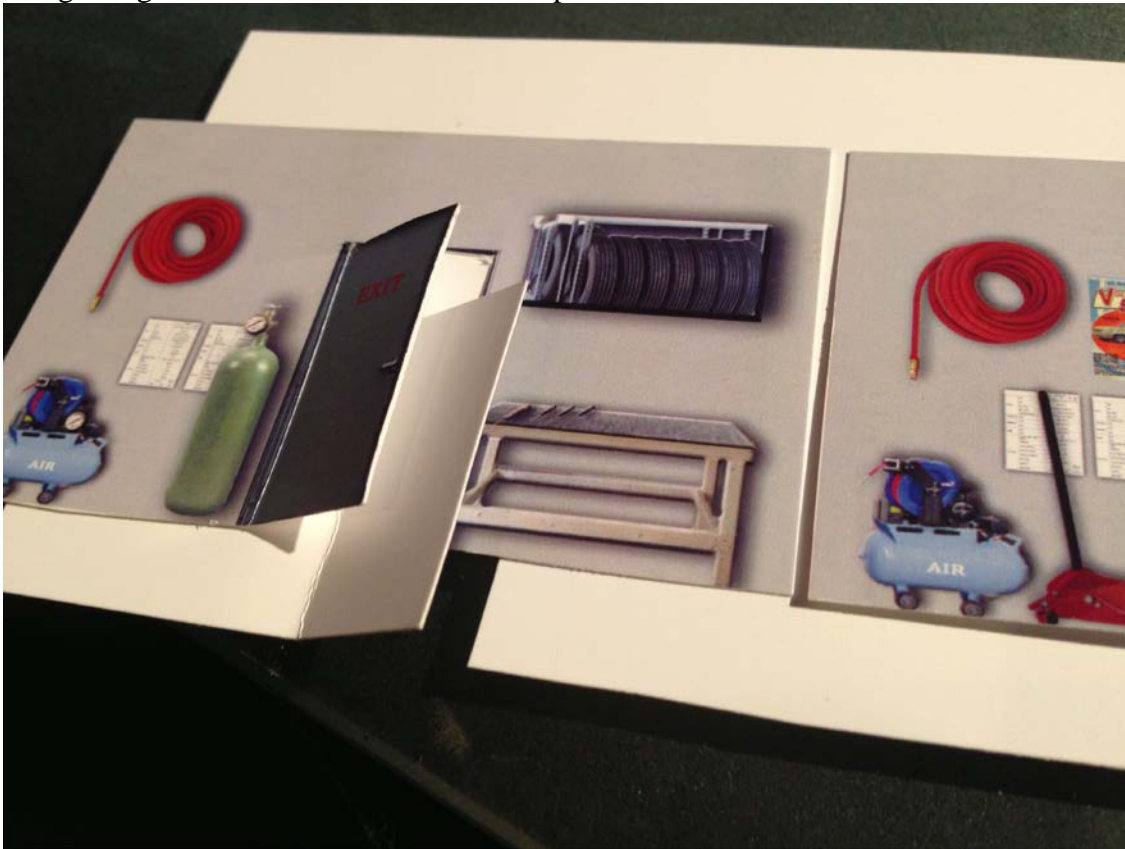






Step 4 Lift to Ram/ Glue the hydraulic ram to the yellow side of the lift rails and then to the Bass centered to match the other 2 illusion lifts see pict above.

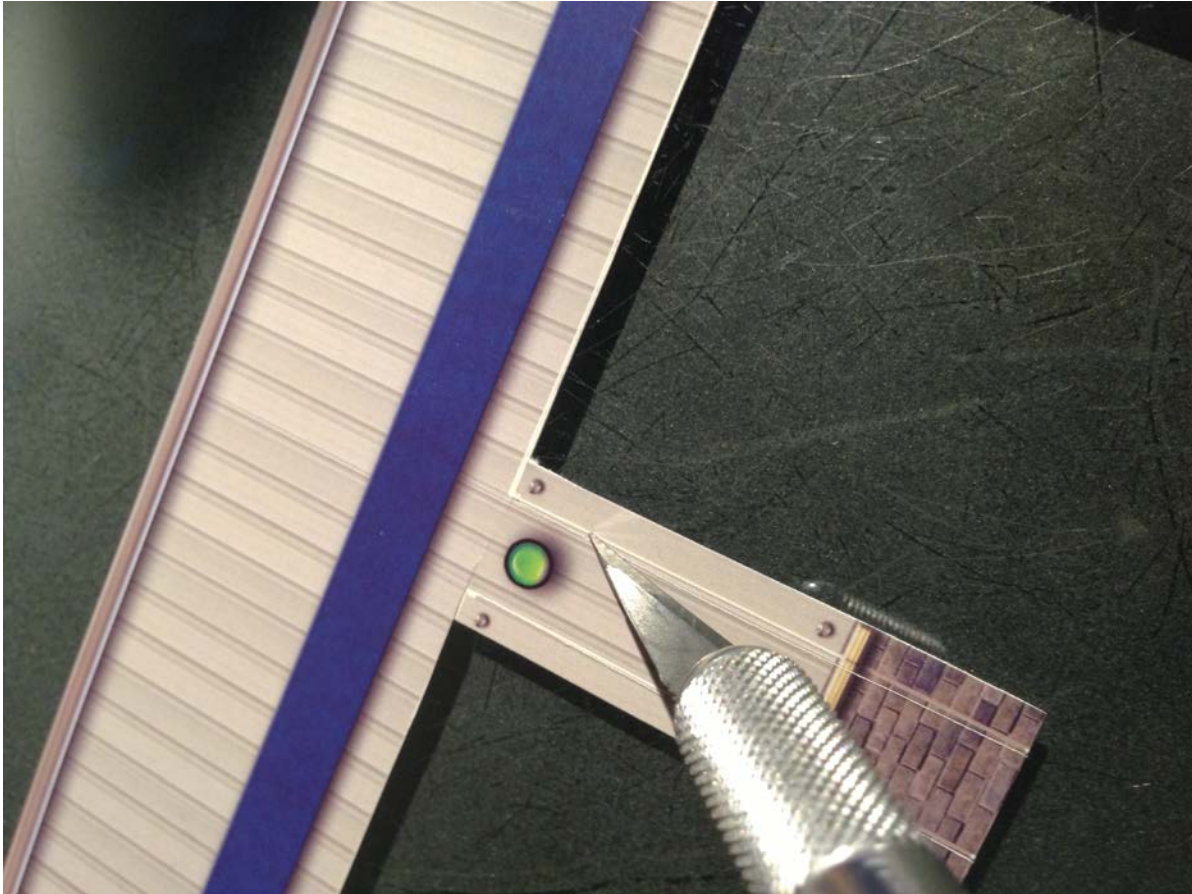
Step 5 Door Prep/ Preparing all the doors carefully by scoring the hinge side of each door. Cut open each small door using a hobby Knife so they will fold crisp on a desk edge. A straight edge is recommended for this. Repeat on the interior walls. [See below](#)



Step 6 Interior walls to exterior walls/ Attach the interior walls to the rear wall so the doors line up. A little white glue works well, glue the doors so they are together evenly. **Step 7 assembly of inside of walls** attach the inside half and outside wall using white glue lining up the bottom on the desk edge There should be a 1/8th space on all sides though, except the very bottom. Repeat for both side walls. Lay flat under a book for 10 min while they dry. Hot glue can be used carefully if white glue is not available, pinch in

position with your fingers and then tack the two halves together when cool finish tacking them together.

Step 8 Garage Overhead Doors/ Score and fold the Garage door opening 3D flaps that make the front wall thick looking/ there are 6 total scores and flaps that need folding.

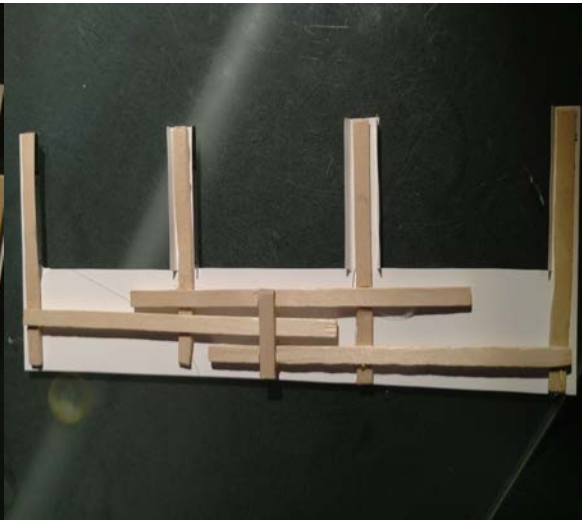
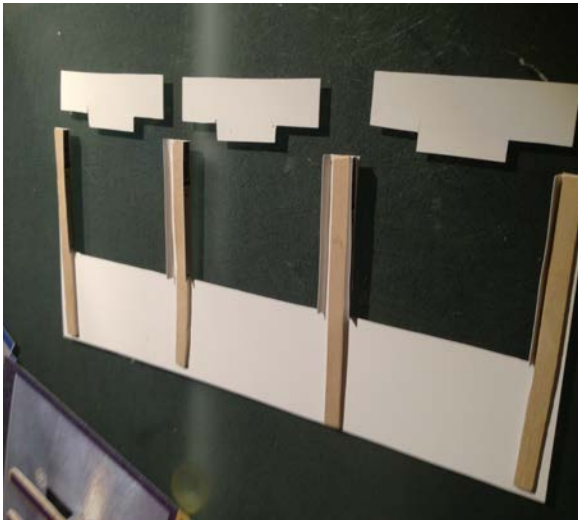


Fold on sharp desk edge after scoring with a straight edge

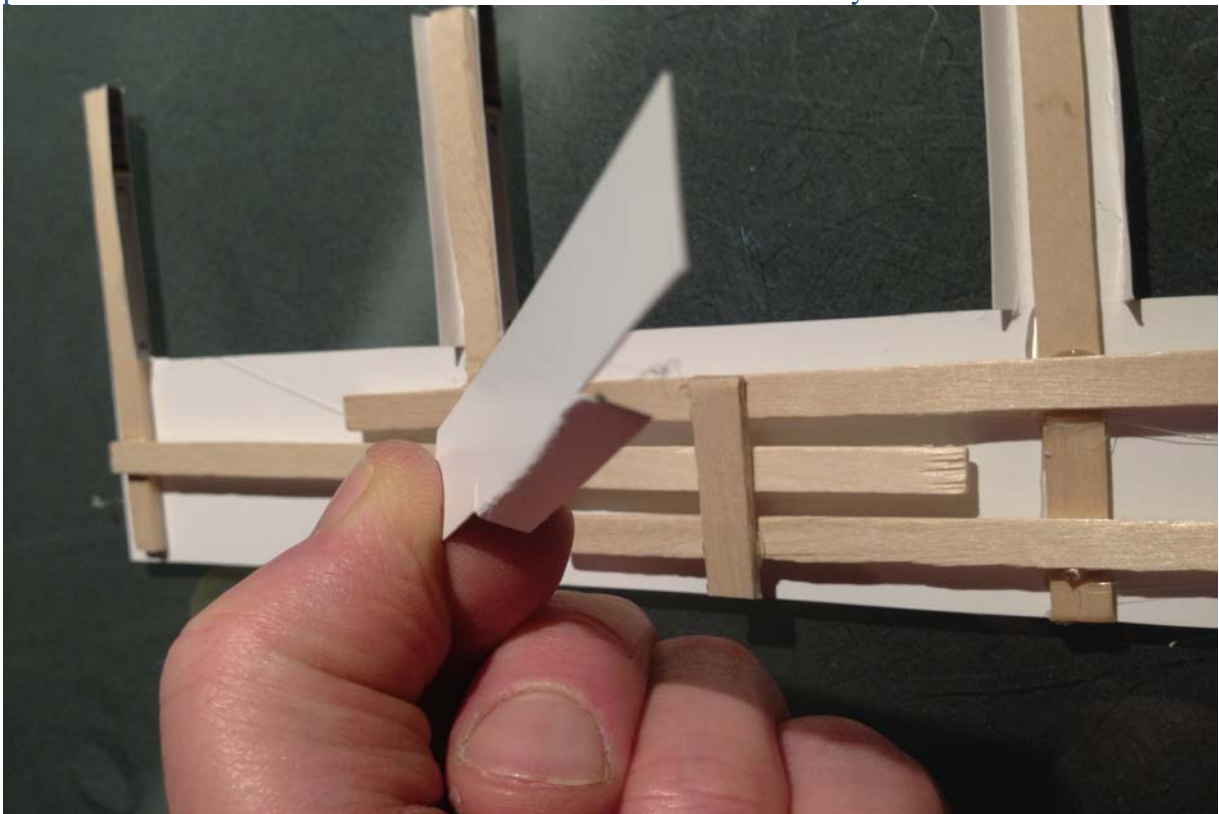


Use 2 craft sticks provided as strength supports in the center two columns just cut to length, center and the hot glue in the middle of each center section. As shown below

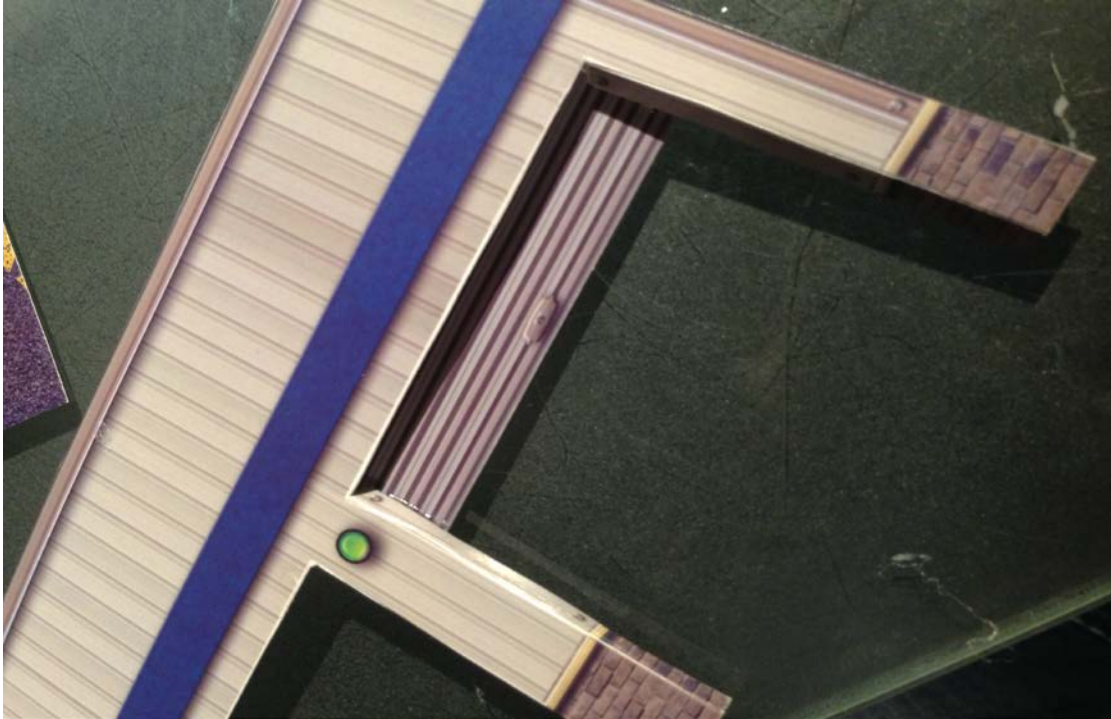




to reinforced garage opening pillar
add a bead of hot glue in the inside corners of each column one at a time and hold in position until cool see Pict. of what the front wall looks like totally finished above.



Step 9 Fake open look garage doors / These are to be installed from the back side. Score and fold the glue tab. Test fit so you can see it from the front side . Glue in place from the inside so glue does not show, also make sure they are straight before the hot glue cools See pict of finished open look garage doors.



The walls are now ready to glue to the base - see next step.



Step 10 Erecting the walls. Cut out 8ea. of the wall corner tabs score with a hobby knife and fold into a 90 degree angle. Set aside.

Tack the front wall in place on the base on the foundation line from the inside, do all the gluing from the inside.

Let the hot glue cool until the front wall stands up on its own.

Use one or two of the corner tab helpers for wall to wall assembly they are very handy to line up the corners on the inside and are only meant

To be used to help line up the walls but are not strong enough to hold the walls permanently together.

Next tack a side wall to the front wall using one of the corner tabs at bottom inside corner and one at the top inside corners

Again do all the gluing from the inside so the glue doesn't show on the outside of the building.

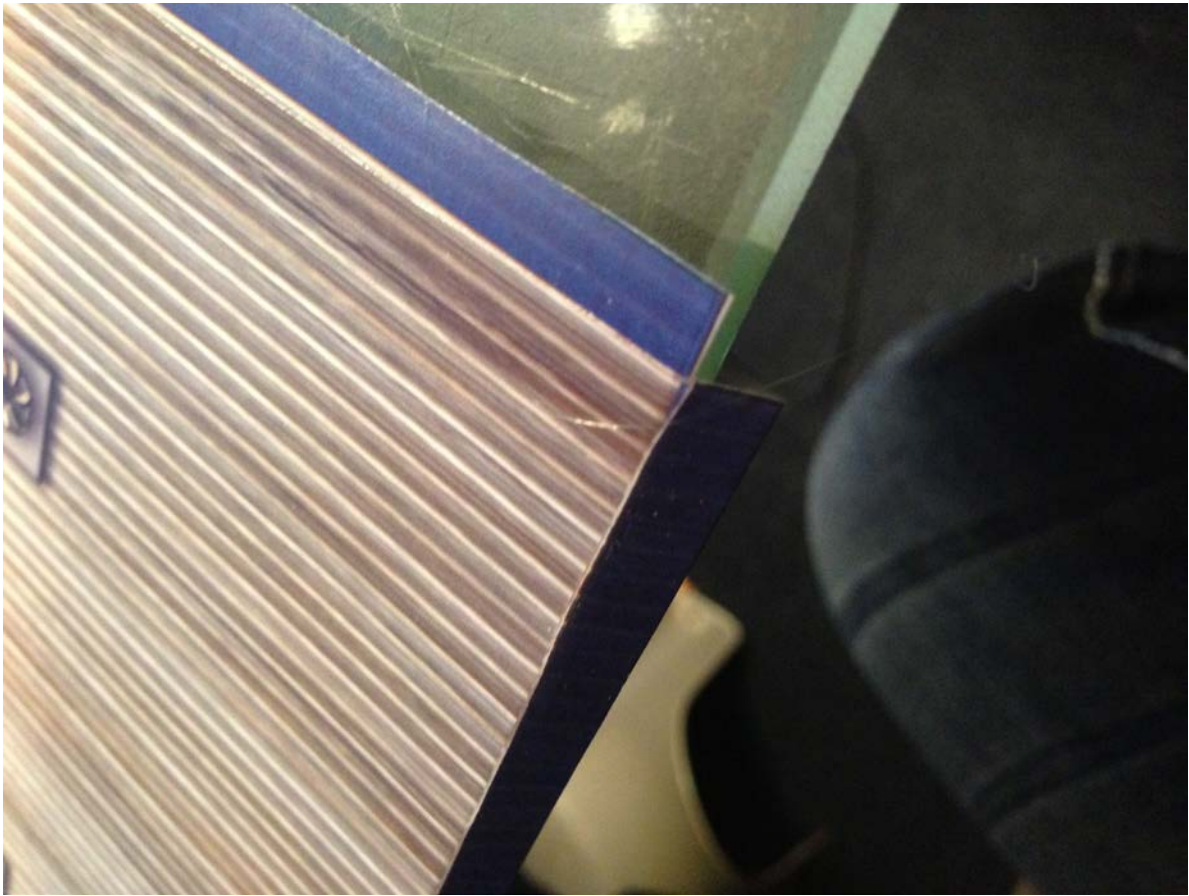
When the walls are lined up tack the walls together further with a bead of Hot glue hold the adjoining corners together permanently so you can see the corner from the outside until Glue cools, then further tack it to the base let cool and then finish the gluing by running a small bead of hot glue where the wall meets the floor. Repeat with the other two walls.

Step 11 Roof / lightly score the 4 roof fold down flaps using a straight edge. Fold all 4 down using the desk edge do the flaps

Are at a crisp 90 degrees.



Cut score and fold 4 roof glue tabs provided. Use these to attach the 4 corners of the roof together.

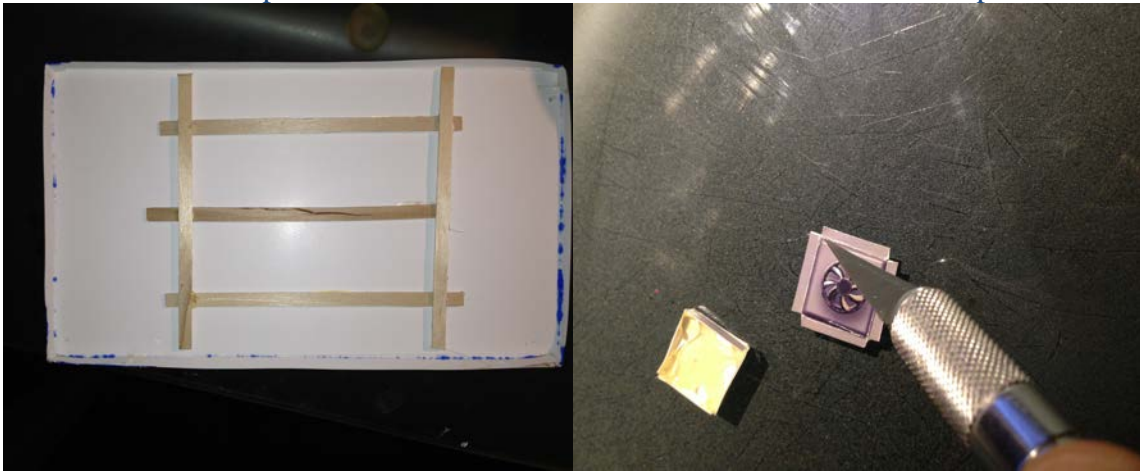


After scoring with a straight edge fold the roof sides on a sharp desk edge.



Small tabs help hold the roof corners in Place. See above

Reinforce the inside of the corners with a bit of hot glue as needed. Also reinforce the roof with the craft sticks provided on the underneath as shown below as an example.



-Add the 3 ea. 3D roof vent fans for a more realistic roof if wanted simply by cutting them out, scoring them at fold lines, folding on a desk edge and gluing together on the inside corners see pict. Detail edges and simply glue them to the roof evenly spaced one over each garage opening on top of the printed vent.

On the inside of the roof you can add the 3 ceiling mounted retractable air lines if wanted using the 18 gauge automotive wire provided for even more realism. Cut into 3ea 3 Inch pieces and hot glue to the ceiling mounted reels provided as shown in picture below.



Step 12 upper corners upper 2 inside corners of the building triangles are white so to remedy this simply cut the 2 inside corner details provided cut out and test fit then attach with a small amount of white glue .

Step 13 You can now glue the roof on permanently by test fitting it making sure it is centered both left and right and side to side or you may choose to make a hinge using any type of strong tape for a hinge on back side only so roof can be opened for placing race cars and removing them with ease

Step 14 Detailing. Add landscape material as suggested in photos. Tear small pieces of scale bushes provided. Use a drop of hot glue on base and lightly press the Bushes over the melted hot glue.

-Detail out the corners and any white areas on the building using a marker carefully or use waterbase paint that will soak into

The white edges and then can be wiped off see pictures.

Step 15 Round Front Hanging Sponsor sign. Cut out and assemble the 2 halves of the hanging round helmet sponsor signs using a tiny bead of hot glue around the inside of the circle sign so it is somewhat hollow after you gently put the two halves together.

Cut out the sign edge and pull it on a desk edge to put a curl in this part. Attach the edging with hot a small amount of hot glue see pics below



Cut out these components and score the Middle of the Bracket and fold as seen below



Score and fold



Curl on a desk edge by pulling and scraping the back surface to get the curvature started

After the edge is attached finish the sign bracket as shown in pictures and to secure the sign to the bracket using the round head pin by pushing it thru the top of the bracket and then into the center of the round sign between the semi hollow 2 sign halves.



Glue it on the building as shown in the finished building photos or pick your own location. Detail out the pin ball with a silver marker.



Installed Hanging Sign



Cut Out All Pennant Sections

Step 16 Barrier Bonus. Cut out and with a small thin layer of smeared white glue cement the front and back side of barriers together so you have 2 barriers. They will dry flat and straight if placed under a heavy book. Attach on the sides of building base if wanted or attach anywhere on your layout.

You may also want to cut out the smaller sponsor signs and place above the blue line or on the blue line as desired to customize or building. If you add a drop or two of hot glue first on the back of small sponsor signs and let cool and then glue to building they will raise out a bit adding a great 3D look.

Welcome Race fan sign can be assembled and placed where desired or left off of building if you choose.. It can also be attached to the top of the roof near the front using the 3 triangle brackets that need to be cut out scored and folded and glued together with a drop of hot glue. See picture



Step 17 pennants/ cut out all pennants and hot glue to a thin cotton string evenly for a very realistic pennant string that can be attached at the two ends with a tiny drop of hot glue so it realistically droops a bit. You can put it on the front of the building, or on another area of your layout. Here is how to make it properly.

To assemble the pennant you must first stretch the string provided and attach or tie off the two string ends off the ground between two fixed objects so the string is suspended in the air. Then one by one attach each pennant with a small drop of hot glue placed on the individual pennant, placing each one evenly on the string about 1/8 inch apart. Repeat till complete. Takes about 10 minutes is all to finish the pennant string. See pict below



Notice the Cup Of Coffee In the Background... Take Breaks as Needed and Relax

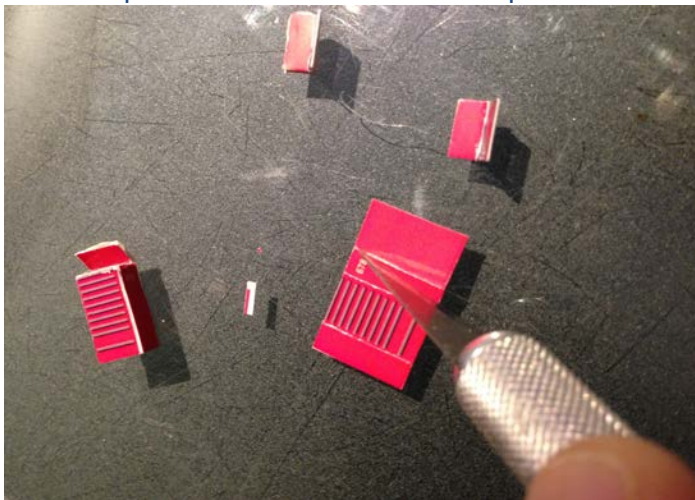
Step 18 rear door steps/ cut out score edges fold on desk edge and assemble as shown with hot glue see pict below



Step 19 Trash cans/ Cut out components and roll can around a thin ball point pen and assemble can then add the round trash contents see pics below



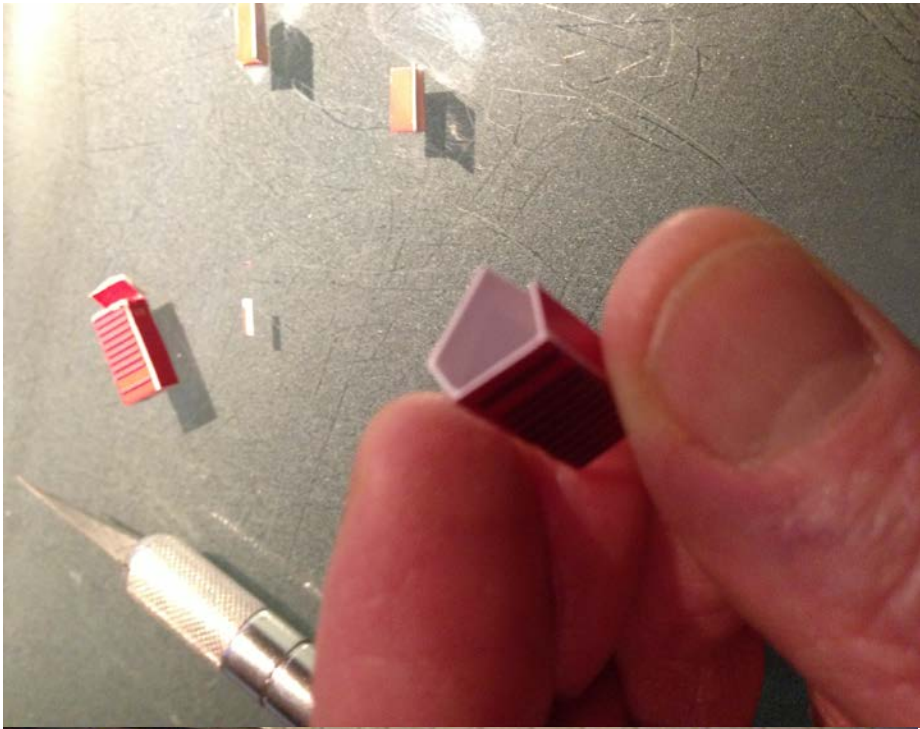
Step 20 Tool boxes cut out, score main box body and then add the lid by cutting out and scoring the two places and folding twice so the red lid is two sided and attach tool side up on the top of the scale tool boxes. See pics below

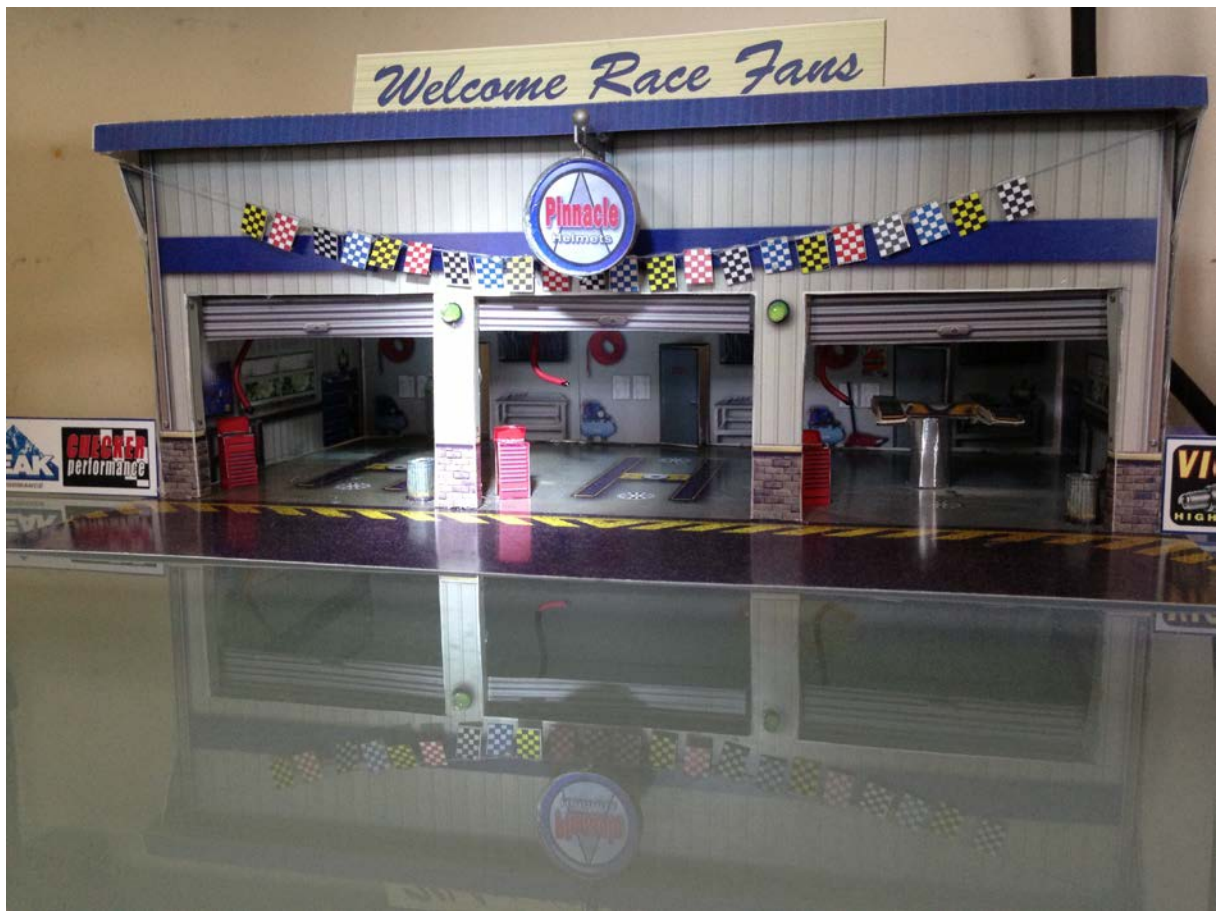


Score before folding



Fold on Desk edge after scoring the tool boxes





Enjoy the most realistic and affordable scale buildings available on your scale layout.

Free replacement parts are available if you have any lost or oops mistake... simply call 1800 878 2237 and ask for a innovative hobby expert.