

Step By Step Instructions For

Speedy's Garage / PHOTO REAL BUILD KIT Innovative Hobbies

Making Traditional Hobbies Better!

for Kit # BK XXXX

Speedy's Garage shown below Read Carefully



Model of Speedy's Model with Garage Sliding Door

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 1/43 race sets with success and even O scale train set scenery. Or just as a display Diorama for Hotwheels and Matchbox manufactured cars.

Special features: Includes an optional opening and closing sliding on track garage door, Interior Details, Gas Pump, Tool Box, Hanging sign that can rotated in any position.

Materials Included: Included in the kit: 1 ea large hat pin with round head, 3 small round plastic head pins, landscape material, 3 inches red or black insulated automotive wire for gas pump hose in a 16 gauge.

This kit also includes 2 ea 3/8" dia inch Googly eyes for the clear lenses to be trimmed off with hobby knife and used for gas pump glass over red crown logos.

Needed Tools:

INTRODUCTION: Speedy's Garage is a skill level 2 Kit in the Photo Real Building Kit Line. Build time is approximately 2.0 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 bucks. 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. 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” and using a Ruler as a straight edge and then folding on a desk edge for a perfect crisp fold every time. See Fig.**

4It is a simple technique to learn yet vital to perfect folding kit components even on small parts. With this technique a beautiful trouble free build can be achieved.

Please practice scoring, folding and gluing angled joints on a scrape piece until perfected. The hobby knife is to be used for scoring only and for door cut outs. For cutting out 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 Red, Black, Brown, Green and Silver for detailing edges, like the Sharpie Brand. 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.

Scotch tape can also be useful to temporarily holding components together as 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.

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

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Step 1 Carefully Cut out all main components such as walls and base. The bottom of wall where they will meet the base are extra important to be straight see below the main components



These are all of the main components needed to get started.

Step 2 Detail all main components ie: Cut with a scissors and then score hinge sides with a hobby knife with new blade, do this very lightly with a ruler as a straight edge on all doors hinge areas and then cut all doors open with a scissors so they open as shown. See picts



Just score the hinge side so door fold looks crisp and real

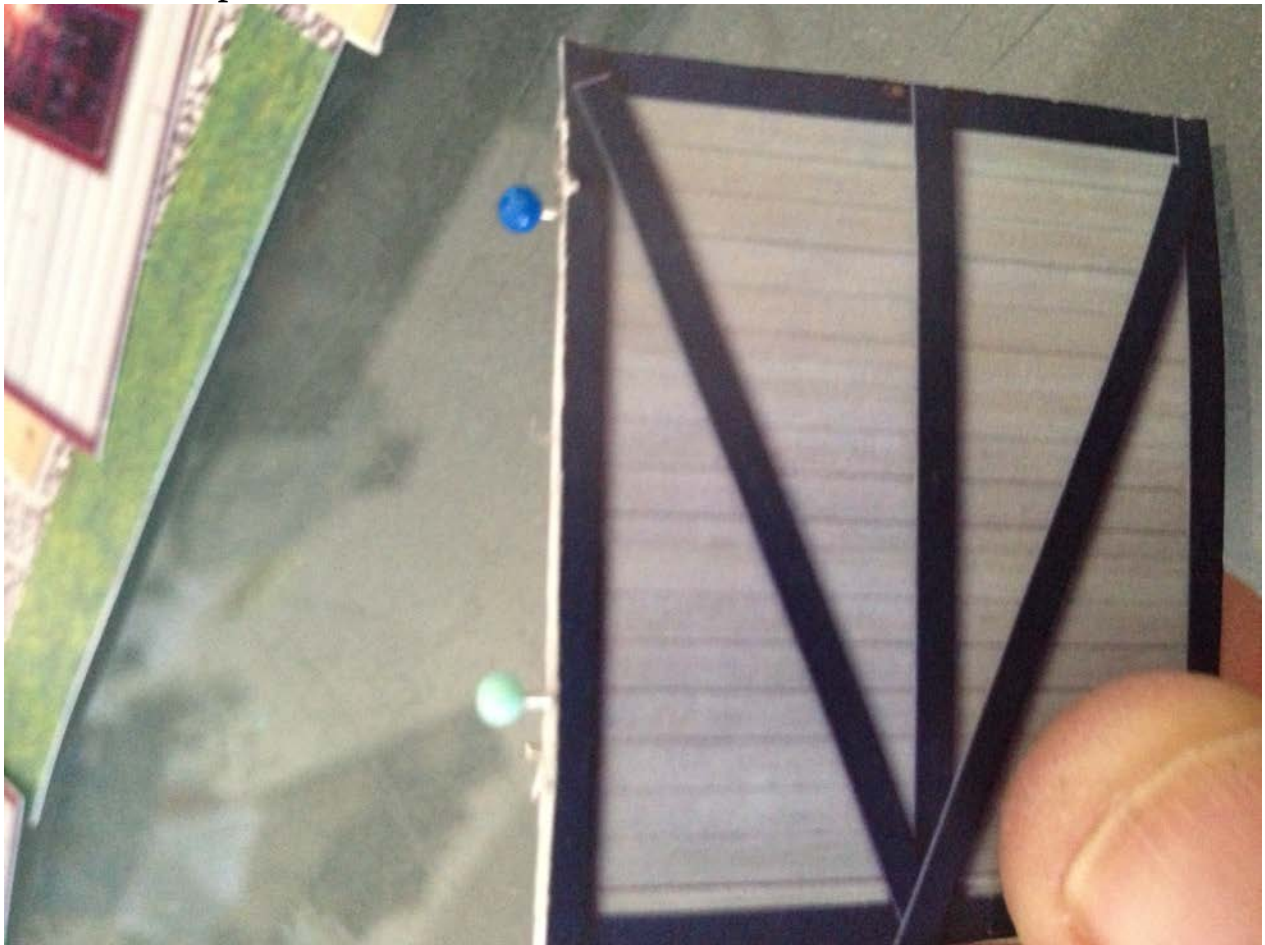


Add the door backsides so when they open the other side shows

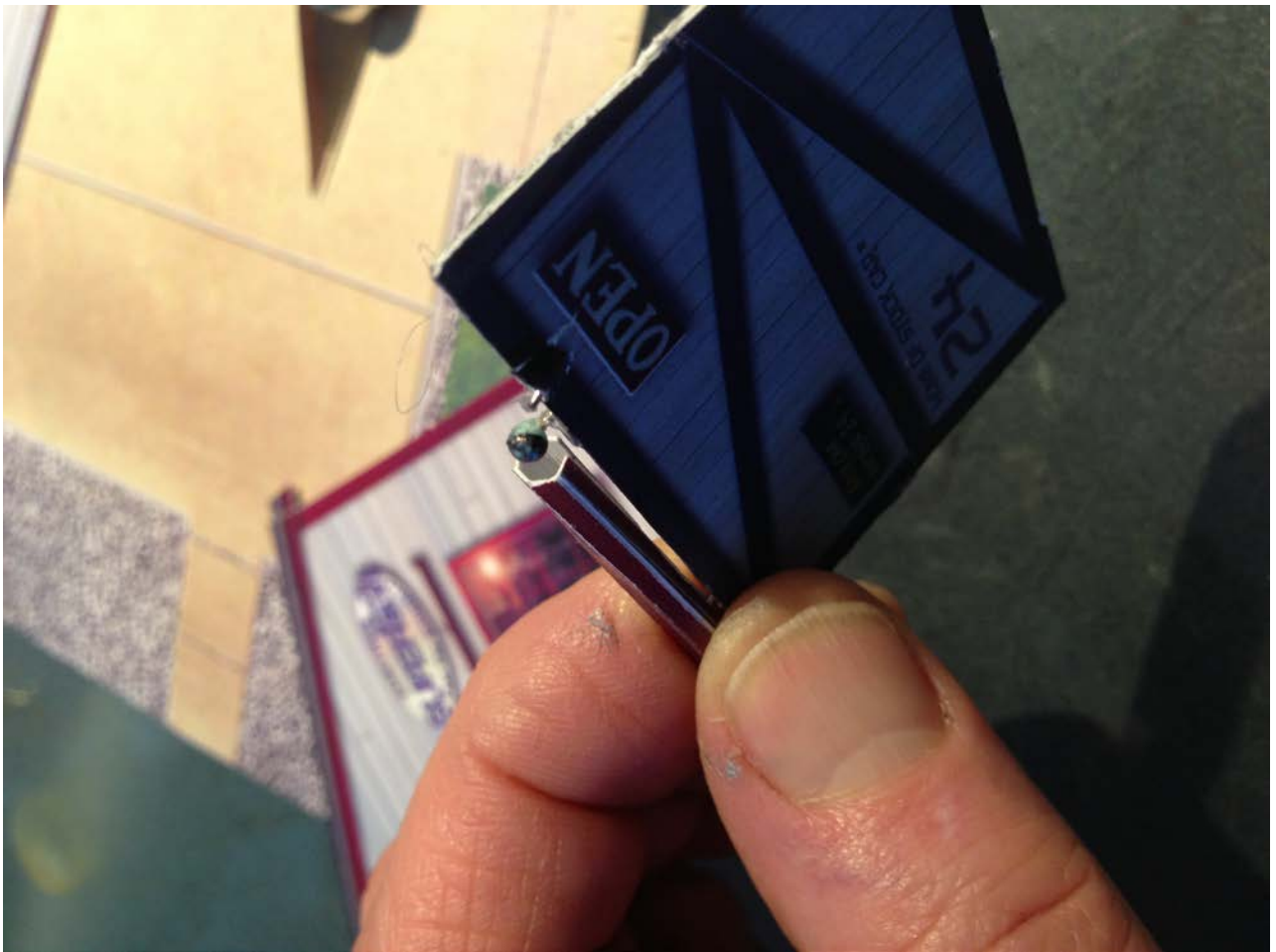
Step 3 Glue inside interior walls to the correct side and back walls using a very small amount of white glue or hot glue. IMPORTANT make sure the bottom of the two walls are level or make sure the interior wall is about $1/16^{\text{th}}$ of an inch above the exterior walls,

Step 4 Glue 2 halves of sliding door to be installed later, please see opening and closing option below recommended for more advanced modelers.

ADVANCED OPTION: Poking in between layers of the front garage door add the two smaller stick pins provided with pin heads sticking up a $1/16$ " and then by assembling and using rail the door can slide open and close, riding on the pin heads that are slid into the rail. See pict.



If you choose to ignore this option then simply glue door to front wall in the open position. See pictures of door open position



This is the rail that is made by scoring and folding the rail and by putting drop of hot glue into both ends of the rail to not only hold the rail together but to stop the door from opening too far.



Finished and installed Garage Rail Track Insert the door into the track after it is installed onto the building using a tiny bead of hot glue. Test fit where it goes first! See pict

Step 5 Option the double layer pop out signage can be installed now as it is a bit easier, this easy step makes your main signs a true 3D. Simply place a thicker layer of hot glue in the middle of sign on both the Speedy Garage sign and the old standard oil sign and place in position but don't push hard so they stand out a bit away from the wall, you do not want any glue to show so keep the glue to the middle of the object. This is only a option! See pict below a finished pop out sign.



The extra 3D sign placement is not necessary but the effect adds even more realism by slight separation of signs and walls or roof vents, you can add a smaller scrap spacer also to sign backs.

TIP: If a mistake is made hot glue can be reheated with the hot tip of the glue gun to re-melt the glue and relocated the parts.

Step 6 Wall assembly onto base start with front of garage and do all the gluing from the back side. Hold wall in place with scotch Tape is recommended until gluing is complete. (acts as extra set of hands. Just tack a wall on the corner and immediately tweak the joint and finish reinforcement glue in each corner from the inside of building and at the wall bottom to base. Remember the outside of the building all that is really important, it is a priority to get the outside glue free and lined up nice until glue hardens in about 10 sec depending how much glue is used.

When all 4 walls are connected, it's now time to attach the roof in the next step. See pics







All Four Walls Are up and reinforced with enough hot glue on the inside of the building to make the model sturdy. Now ready for the roof.

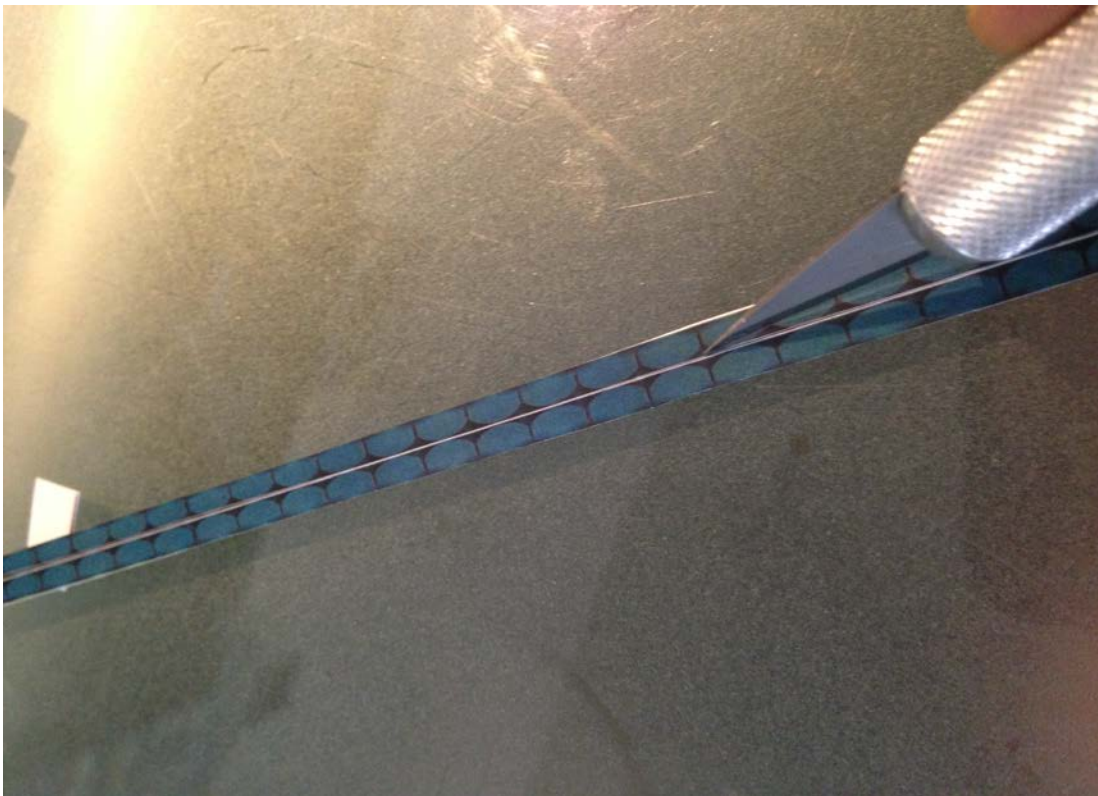
Step 7 Test the fit of the roof after it is scored lightly in the middle using a ruler as a straight edge and then folded on a sharp desk edge to get a sharp peak. Attach the roof by test fitting and then tacking the roof peaks on both side and quickly do any adjustment to alignment and let harden for 20 sec.

Slowly lift and tack small sections of the roof perimeter, you can trace where the roof meets the wall with a sharp pencil so you will know exactly where to apply the hot glue. Use glue sparingly please!



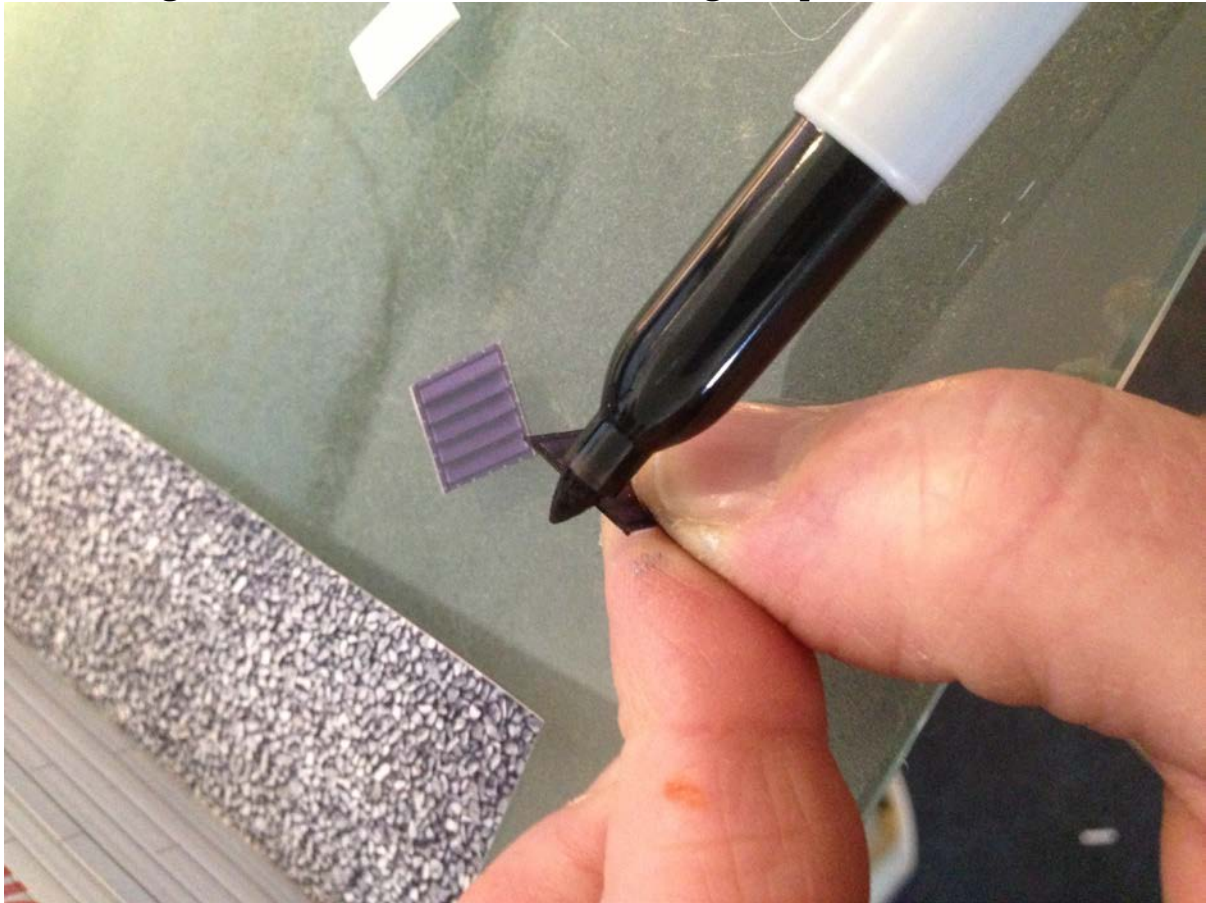
Start at the Peaks, you can certainly do a way better job than me shown here.

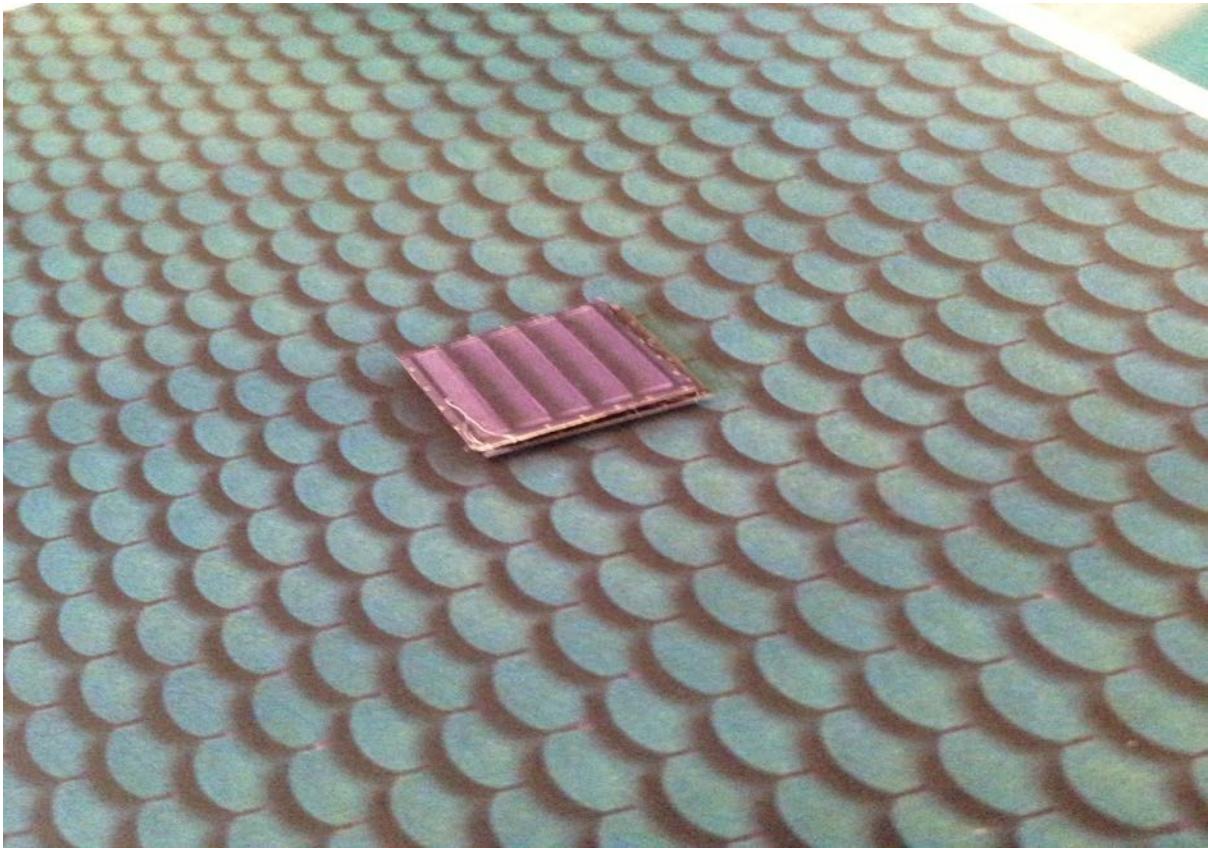
Step 8 Roof details. Time to add 3D roof vents to roof. Next score and fold the long thin center roof strip and glue in place.



Score lightly with a hobby knife and ruler and fold on a desk edge
And glue in place at roof Peak

Detail edges of each vent before installing see picts



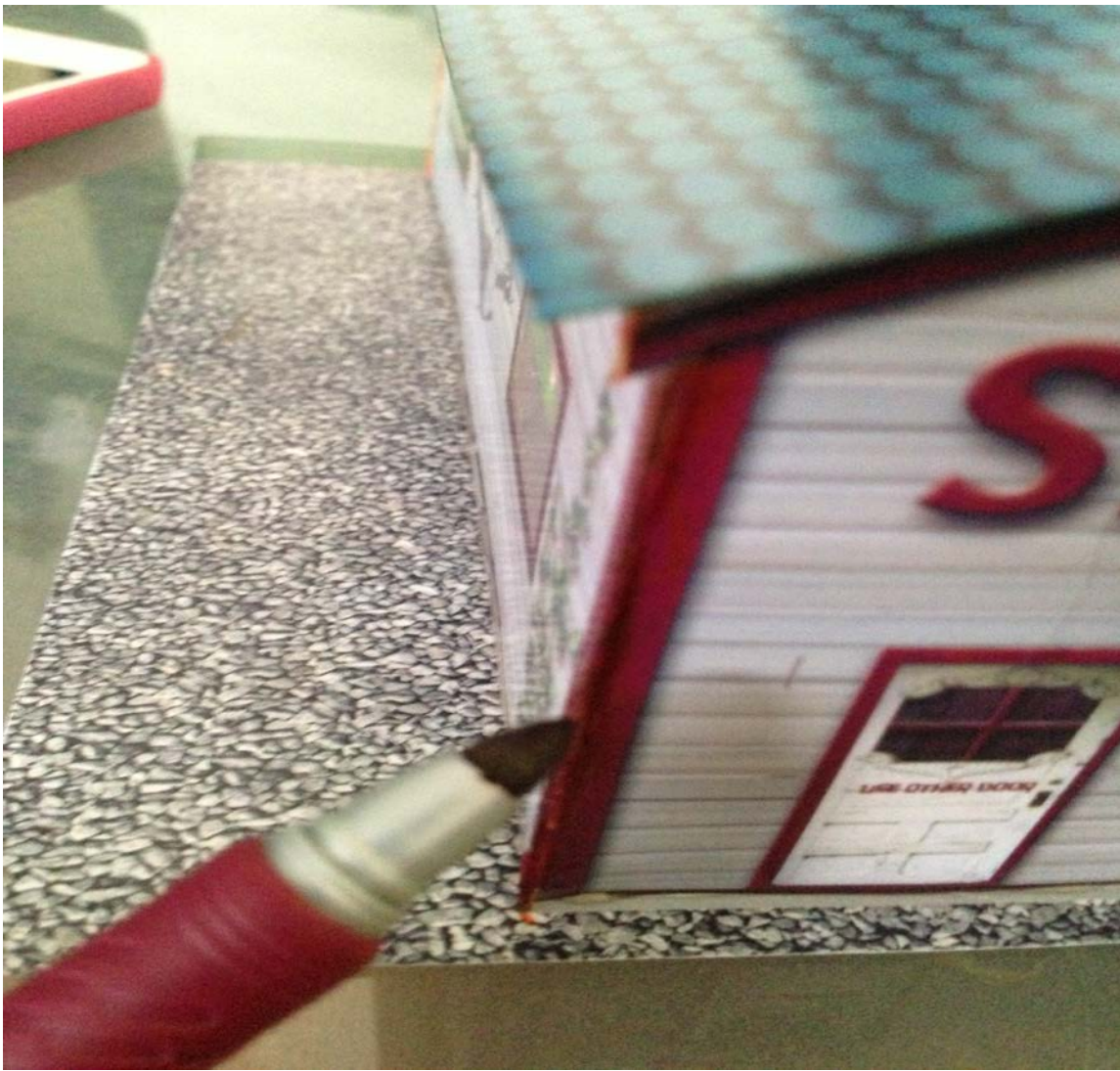


Step 9 The main building is done so its time to get rid of all white edges this adds a great amount of detail.

This it can be done with permanent or waterbased markers of the correct shade, use black if no other colors are available. Also the use non toxic children's water based paint and or water based tempura paint will give great results. The water based paint soaks into the white edges only and is repelled by the special flexistock coating Mix red and black to get maroon as example. Simple brush on any edges so it soaks into white edges and wipe off after 10 sec with a slightly damp napkin or paper towel before the paint is dry.



Just the white edges need to be detailed out



Step 8 Gas pump assembly. Cut out carefully the pump and score on fold lines fold and glue together with hot glue putting the glue on the inside and holding it in place for 10 secs.

Cut out top globe halves round pump signs out and cement together. Cut and glue the gas nozzle halves. See pict



Gas Pump Body Ready For assembly made by scoring and folding as shown on a desk edge. This is not possible without the scoring so it folds super clean, straight and crisp.

Step 9 For the gas hose use the 16 gauge auto wire included just bend wire as shown in picture and then hot glue the nozzle to the end. Next, Grab the 2ea 1/2" googly eyes provided. With your scissors carefully cut around the outside of white edge removing about 1/16" all the way around. This will allow for the white backing to fall away and the pupil to fall out leaving you a perfect miniature gas globe half, Repeat on the other eye. Now sandwich the round logo between the 2 clear parts and fasten together with small amount of white glue, let dry 20 min. Add the red edging strip using a tiny bit hot glue. Before doing this it helps to pull the edge strip on a desk edge color side up, it will add the pre curl so gluing it is easier. Attach the finished gas top logo globe on top of the gas pump with a dot of hot glue and hold up right until it hardens. Cut out lightly score and fold the grey gas pump base on a desk edge, glue together and glue the pump to the raised gas pump base.



Step 10 assemble the tool box by scoring on lines and folding on a desk edge, assemble lid. Glue tools at top and hot glue the lid on at back edge so it can be opened and closed
Detail white edges using red water color paint or use red marker.
See picts





Finished Tool Box with opening lid to reveal Tools

Step 11 Hanging the Round Rear of Building Speedy garage sign. cut two round halves and glue together, clean up edges then cut and score and fold the sign bracket And hot glue together push the large round head pin included thru center of bracket and then push the sharp end thru middle of round sign in middle. Next put on safety glasses, clear the room and using a wire cutters cut off extra pin length as desired. Attach to top of building above back wooden doors up by the roof. See picts



Cut out carefully score lightly the sign hanger and glue together



Sign can be rotated using the Pin hanger. Paint the round head with silver, I just used a silver marker.

Step 12 apply landscape bushes included as shown in photos or as you see fit- using hot glue applied to the spot you are placing the scale bush. Just tear shrub material as needed. Using a tweezers find and remove any hot glue spider webs... Enjoy your new scale PhotoReal Building.



The web laying on the side walk and on building corner will come right off using a tweezers

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 Blane , Jim, Alex or Joe they will be glad to help.