



# Korber Models

Scale Model Railroad Structures

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## Model 706 O Scale Quonset Hut Instructions

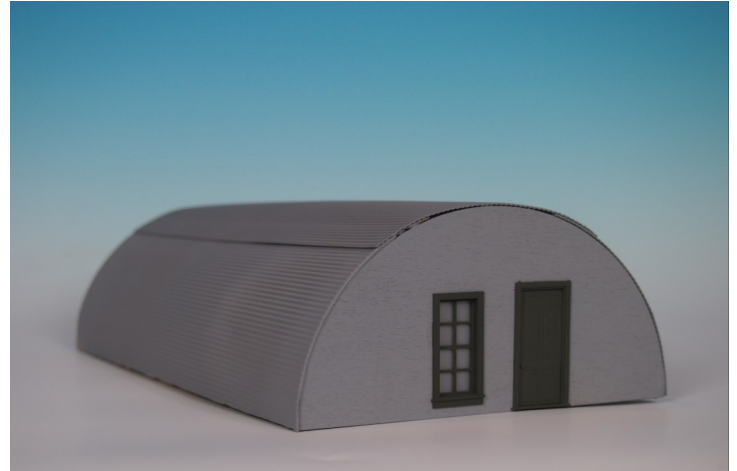
Compiled by: Rich Redmond, Alex Muller

### Introduction

Congratulations, you have purchased the Korber Models #706 Quonset Hut. The Quonset Hut is one of the new line of Korber O Scale kits. This structure represents the corrugated galvanized steel buildings that were used in both military and commercial application starting in the mid 20th century.


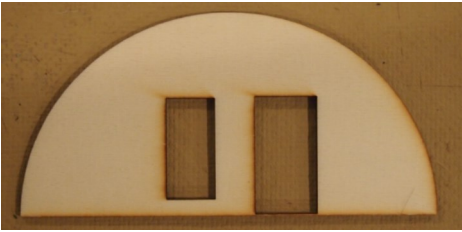
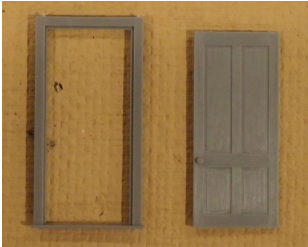
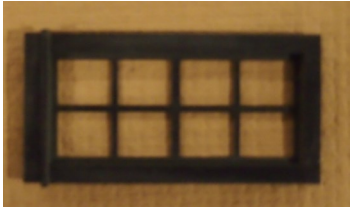

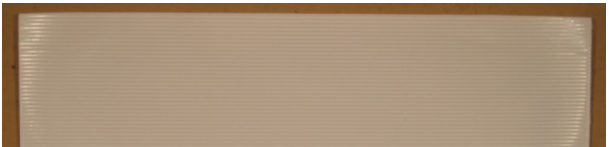
You can follow the simple, step by step instructions outlined in this document to easily assemble this great looking addition to your layout. We have covered not only the required key steps to build the building so you can get it on your layout the quickest, but have also included several optional steps to enhance the appearance. These enhancements are based on submissions from modelers just like you who have taken the Korber structures to the next level, and now by following a few extra steps you can achieve the same results.


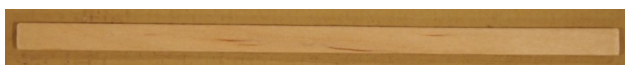
Before you start you may want to read through the instructions to get a feel for the things you will be doing, and the basic order in which they will be done. You are on your way to adding a centerpiece to your layout, so let's get started!



### Parts list – (What's in the box)

Take a few minutes to locate all the parts in the box to make sure you have all the pieces you will need and that the quantities are right. You may also want to spread these parts out so that you have a small separate stack of each part to make it easy to find each as you start the assembly process. If you are missing anything, please contact us so we can get you any of the missing items.

Qty	Description	Qty	Description
1	Rear solid wall 	1	Front Wall 
1	Entry door and frame 	1	4x4 window 
4	Large sliding industrial door 	3	Corrugated roofing—~11-3/4 x 3-11/16 

Qty	Description	Qty	
1	Styrene U channel for industrial door track 	3	11-1/2" - 1/4" x 1/4" front to back support brace 
1	1" x 2" Clear Window "Glass"		

## Materials needed – (What else might I need that is not included)

The Korber #706 Quonset Hut, like any kit, requires a few additional items to complete the construction. We have included a list here, including some color and brand suggestions based on our experience; however you may use any product that fits the function. Please also note that some items are listed as options such that they either make assembly simpler, or are needed only for optional steps

- Flat spray paint, Light grey (automotive grey primer) for building walls and roof
- Flat Green, Black or Brown (Rust-Oleum Camouflage spray paints work well) for windows and doors
- Paper towels or soft cloth rags
- Cyanoacrylate (CA) glue. Also known as Super Glue, Gorilla™ super glue works well  
We really like the new Gorilla brand super glue because it is thicker than most super glues, and allows you to put in on a seam while holding the part in your hand, and will not run when you turn the seam on the side to put two pieces together. This glue is available in most retailers, including the larger home improvements stores
- CA glue accelerator (optional) turns any CA glue into quick set glue
- Medium grit sandpaper or emery board
- Testor's Dull-cote™ (optional)
- Small clamps (optional)

## 1 - Parts preparation & painting

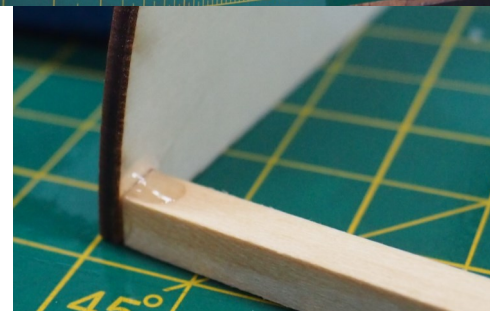
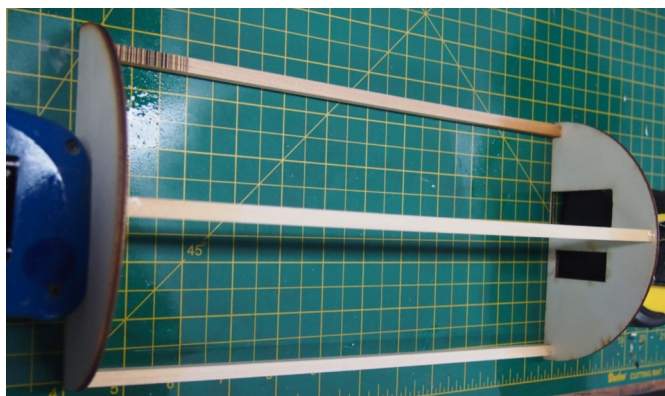
Look over all the laser cut and molded parts and remove any flashing that might be left on them. Flashing is the thin pieces of the molding material that may be left in widow openings and along edges in the molded parts. This can quickly be removed with a razor type knife, a small file, or an emery board.

The parts in the kit will need to be painted to the final colors you select, some of the parts like the window, entry door, and the optional industrial doors are much easier to do this step before assembly. In a well ventilated area (outside is good) apply a coat to the outside (detailed side) of the selected parts. The walls and corrugated roof are easier to paint once assembled.

## 2 - Assembly of building frame

The building is made up of a front and rear wall connected with three 1/4" square wood supports.

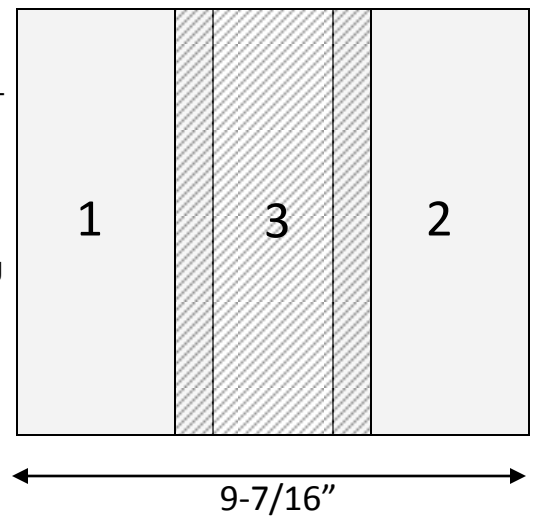
- The wood supports are the same size, and attached between the front and rear walls, two at the bottom of each side, and one at the top of the curved walls, as shown in the photo to the right.
- Glue one of the 1/4" square wood supports between the front and rear wall keeping the wood support flush to the bottom and outside of the wall section as shown in the photo to the right and below.
- You may find using a right angle piece of material, or even a square piece wood secured to your workbench provides a nice guide to get a clean joint.
- Repeat this step for the other side of the structure.
- In a similar manner as used in the previous two steps, glue the remaining wood support between the two end walls at the top of the curved wall sections.
- The use of small clamps, or heavy objects to hold the parts together while they dry.



### 3 - Assembly of roof section

The curved roof section is made up of three sections of corrugated plastic material, which we will glue together to form one solid piece to cover the entire roof.

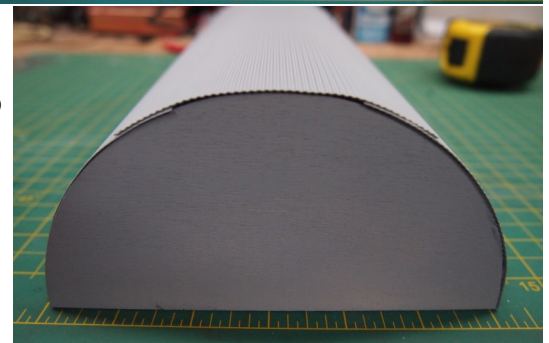
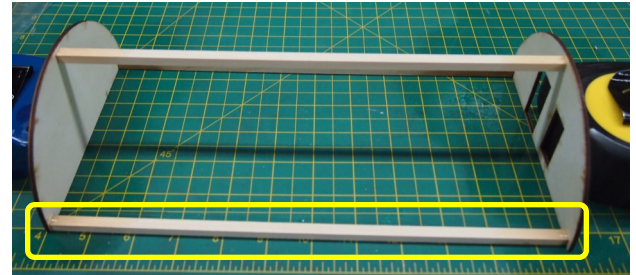
- Place one of the corrugated pieces on your work surface in position "1" as shown in the drawing on the right.
- Place a second corrugated piece in position "2" as shown in the drawing to the right, placing these such that the left side of piece "1" and the right side of piece "2" are 9-7/16" apart
- Glue the third piece of corrugated roofing on top of both parts "1" and "2" as shown in the drawing to the right. It is best to apply the glue to the back of part "3" before placing it on top of parts "1" & "2"
- Let the piece dry before moving to the next step.



### 4 - Install roof section

The #706 Quonset Hut has a continuous curved roof that spans from one side of the structure to the other forming both the roof and the side walls. The intent is to glue the roof assembly we made in the previous step to both the side 1/4" supports of the building frame, and to the top of the curved end walls.

- Start with the roof assembly from the previous step and glue the long side to one of the side braces on the wood support structure as highlighted in the drawing to the right. Use clamps to hold in place while the glue dries.
- Place a bead of glue along the top of the curved end walls starting from the side that you previously attached the roof assembly to, continuing to the opposite side. Additionally apply a bead of glue to the square wood support at the base of the opposite side of the you previously glued the roof to.
- Carefully wrap the roof around the curved end walls, holding in place with tape, and align to match the 1/4" wood support on the opposite side, use clamps to hold in place while the glue dries.
- Once dry, remove clamps, and trim any excess corrugated material to provide a uniform fit for both ends, and the bottom of the sides.
- Upon completion of the prior step the roof should look like the photo to the right, paint the entire assembly using the light grey auto primer (or color of your choice).



### 5 - Install entry door and window

The Quonset Hut front wall has openings for the window and the entry door.

- The windows are designed to overlay the window opening from the front, or outside of the building, and will not fit inside the window opening if installed from the back
- Apply a small amount of glue around the edge of the frame and insert over the openings on the wall pieces
- Repeat the previous step for the door frame
- The door itself installs from the back or inside of the door frame, apply a small amount of glue to the edges of the door and glue in to place.
- Let the glued window and door dry before moving the wall sections to a vertical position to avoid glue running or the windows falling out
- Prepare to cut and glue small piece of window material "glass" over the back of the window. Consider the following two window detailing options for the windows:
- If you want the window panes to have a hazed affect, lightly sand the window material until you've achieved desired haze affect prior to cutting into small window pieces
- You may also detail the windows with shades by covering the top portion of the window material with masking tape



## 6 - Optional attachment of the Industrial doors

The #706 Quonset Hut can be built to represent an industrial application that had large sliding doors on one end.

- The doors have two pins at the top and bottom of one side as highlighted in the photo to the right, remove these using a sharp knife or cutters for each door.
- The doors can be arranged in several positions representing closed, or open doors. In a closed configuration such as shown in the photo to the right, the door assembly will be glued to the back wall with no modification.
- If you want to represent an open door, you will need to cut an opening in the back wall of the building to allow for passage.
- It is best to make the door assembly prior to attaching it to the back wall to facilitate painting.
- The doors represent a sliding set of doors such that the middle two overlay the side two doors, all of which are glued to the track at the top (U Channel) as shown in the photo to the right. The doors are also glued to each other, and finally painted as an assembly prior to mounting on the back wall.
- Once the door assembly has been glued and dry paint it the same color you selected for the entry door and window.
- Once the door assembly is dry from the previous step, dry-fit it to the back wall centering it, and aligning the bottom of the doors with the bottom of the wall.
- Note the U channel—track may hit the sides of the corrugated material, and may need to have some of the corrugated material trimmed to allow the track to attach flush to the back wall.
- Once you determine the correct fit, and completed any trimming, glue in to place, and let dry.



## 7 - Final Detailing – Weathering

Your Korber #706 Quonset Hut is now assembled and ready for placement on the layout. You may wish to provide some additional weathering before you install it, as a building next to the tracks would be a heavily used structure with a layer of soot, and would rarely look brand new.

To add a weathered look, spray the entire model with flat black from a distance. This will give a sooty look to the building. If you wish to have a rusty look, weathering powders, or chalks work well to dust the building with. Once done you can spray the completed structure with Dullcote to remove any gloss or shine.