

# Korber Models

Scale Model Railroad Structures

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## Model 905 O Scale Blackshear Refrigerated Transport Instructions

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9" W x 12" L x 9.5" H



### Introduction





Congratulations, you have purchased the Korber Models #905 Blackshear Refrigerated Transport Company. The transport company is one of the classic Korber O Scale kits. This structure represents thousands of buildings whose back could be seen along the tracks all across the nation.


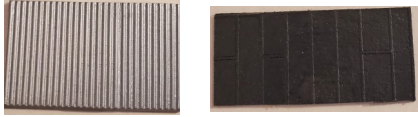

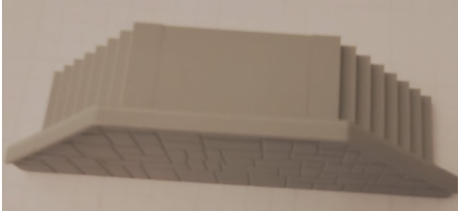


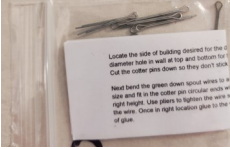
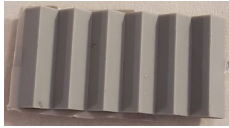


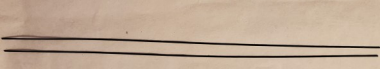


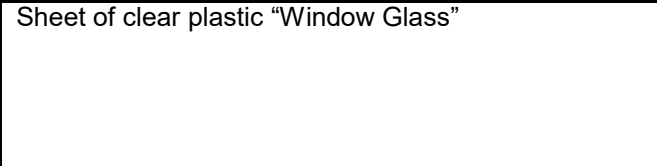
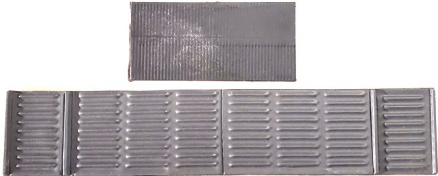



You can follow the simple, step by step instructions outlined in this document to easily assemble this great looking addition to your layout. We have covered not only the required key steps to build the building so you can get it on your layout the quickest, but have also included several optional steps 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 and 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	
1	Front Wall with 5 windows 	1	Back Wall with 5 windows 
1	Side Wall without loading dock indentations 	1	Side Wall for loading dock and drill holes for chains 

Qty	Description	Qty	Description
1	Loading Dock Roof (8 7/8" x 2 1/8") Trim to size 	1	Front Door Small Roof over door You can use either one 
1	Roof 	1	Front Door Step sides 
1	Back Steps 	1 Loading Dock front 1 Loading Dock top deck 2 Loading Dock Sides 	
12	Cotter pins for down spouts and Loading dock roof 	1	Loading Dock Steps 
3	Loading Dock Roof Chain 3 1/2" long each 	2	Roof supports for Main Building 
2	Wires for Down Spouts 	1	Large Chimney (4 pieces) 
2	1 1/2" Small Roof Support Braces with 45 degree ends 	1	Sheet of clear plastic "Window Glass" 
1	Rooftop A/C Unit 	2	Blackshear Refrigerated Transport Inc. Signs On sticker back paper 
3	12 1/2" 1/4x1/4 Loading Dock roof support beam & (2) roof supports along sides 	4 5-3/4" 1/4x1/4 corner supports 2 1" step supports 	

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

The Korber Blackshear Refrigerated Transport Inc, 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 paint, choice of colors, for doors, windows, trim
  - “Red” automotive primer spray paint to cover all molded brick surfaces such as Krylon Ruddy Brown
  - Antique white craft paint for cement lines
  - Light grey or cement color paint for cement accents on the roof line and side walls
  - RustOleum camouflage flat spray paints work well for painting window frames, gutters and doors
- Small paint brushes
- 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)
- Flat black or grimy black spray paint (optional)

## 1 - Parts Preparation & Painting

Look over all the 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, and it is much easier to do this step before you assemble them. All the wall sections are colored in a brick red and are ready to use, however many modelers find a light coat of flat red auto primer spray paint gives not only a great look, but also makes it easier to add the mortar color lines to the walls later on. In a well ventilated area (outside is good) apply a coat to the inside (smooth side) of all the brick wall sections first; once dry, do the same to the other side. By painting the back side first you avoid any marks that might appear on the brick textured side.

The internal wooden pieces do not need to be painted as they are for structural support only.

### Option

An optional step that adds a great deal of realism to any model of a brick building is to add the mortar lines to contrast with the red brick color. The ability to lay the wall sections on a flat surface, when done prior to assembly, makes this detail step simpler. There are several ways to do this, including use of water-based paint (Antique White or Light Grey latex well diluted with water until the consistency is as thin as milk), some commercially available products, and the use of light spackling compound to fill mortar joints. In all of these approaches the general concept is to spread the white product you are using over the brick walls, filling in the mortar line groves in the wall section, and then removing the excess from the top of the bricks. We will walk through the water based paint method.

One simple method we have used is to dilute some water based antique white or light grey craft paint to create a soupy like consistency.

- Cover entire wall section with diluted white paint, letting it settle and collect in the mortar lines
- Wait a few seconds and lightly wipe off excess paint using a slightly damp paper towel or soft cloth until paint is removed from the brick surface, but not the mortar joints



- Keep flat and let dry before moving so the paint in the joints does not run
- To remove haze from brick surface, apply a thin layer of Dull-Cote and wipe gently
- It may require several applications to achieve the mortar line that you want
- A finish light coat of Polly Scale Grimy Black done with an air brush will tone down the grey wash and give it an aged look. (Apply lightly and highlight the area where you would expect dirt to collect flat black spray paint can also be used)

The good news with this option is that if you don't like it, the paint is water based, so you can get it wet, remove it, and start over.

Once dry, this area should be washed using a mix of either watered down black paint, or alcohol and India ink. The purpose of the wash is to settle the black color in the groves/joints around the rocks and give definition. The wash should not be so dark as to overpower the cement/light grey color.

## 2 - Install Windows Glass

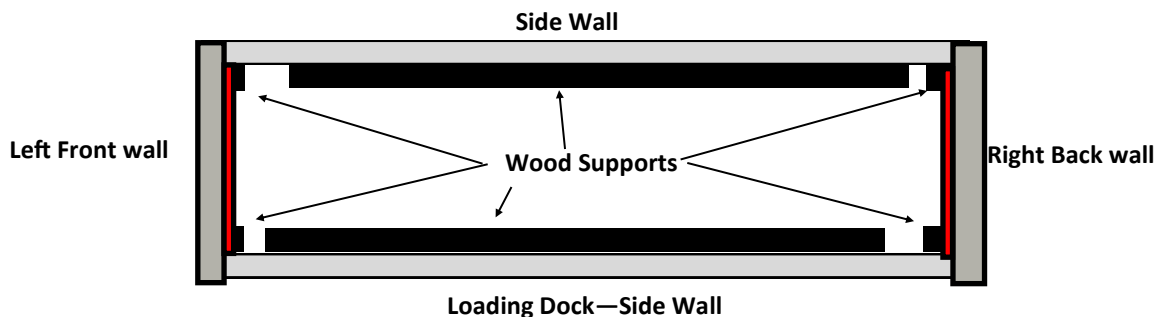
The windows are part of the molded polyurethane plastic and will have a clear plastic sheet stock applied over the opening from the inside of the model to simulate a finished window.

- Prepare to cut and glue small pieces of window clear plastic material over the back of each window. Consider the following two window detailing option 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 effect 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
- You can add black construction paper so there is no light showing through or add curtains and design a interior

## 3 - Assembly of Main Structure

The assembly of the main structure is based on making a simple "box" when viewed from the top. There are four walls, two shorter ones in the front and back, and two long ones on each side. 1/4" square wood is used to add strength to the corners( these do not come up to the **roof support** pieces). Below is a top-down view drawing of the relationship of the wall sections and the wood support pieces.

### Top View



### Placement of brick walls

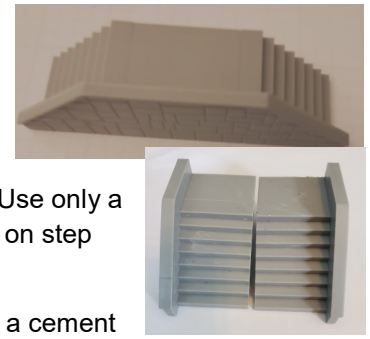
- Take one sidewall and the front wall and line them up to make a right angle. The use of a small square is helpful. The front wall should overlay the edge of the side wall. Glue the two wall sections together, and add the corner wood support piece in the inside corner to add strength and to create a solid right angle
- Some sanding may be necessary. Rough up edges only where you need to glue
- Repeat the last step but using the other sidewall, and finally repeat using the other front/back wall to complete the "box"
- Optionally use clamps as necessary to hold pieces together
- Glue the two 12-1/2" long 1/4" square wood pieces horizontally.



## 4 - Build and install Steps

The steps come in one molded step with side wall.

- Remove any flashing on the parts. Sand and trim parts to match up.
- One set is cut in half and glued together to form a set of cement steps with side walls. Use only a small dab of glue on the step under edge and align together. Wipe off any excess glue on step surfaces. This is the back steps.
- Once both sets of steps are assembled and the glue has dried, they should be painted a cement color and left to dry. The steps are placed in front of the doorways once the rest of the model is complete.
- On the step for loading dock, just glue edge to loading dock decking and small dab of glue on wall when assembled.

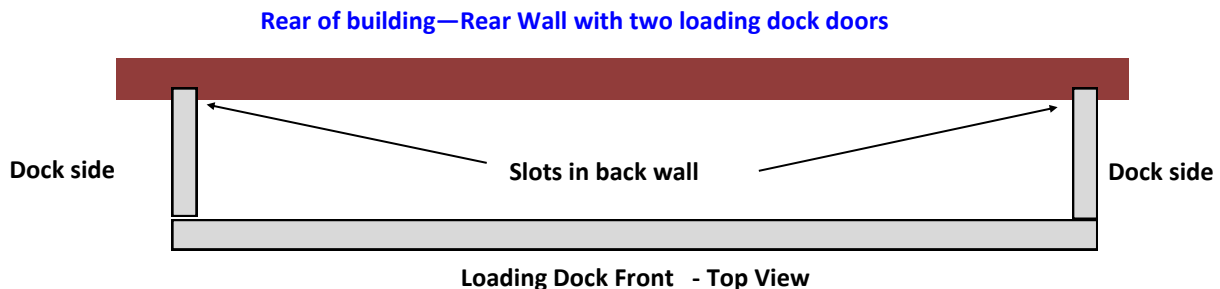


**WHEN BUILDING IS ALL ASSEMBLED, ADD THE STEPS BY ADDING A SMALL AMOUNT OF GLUE TO EDGE OF STAIRS AND ADHERE TO BASE OF FRONT AND BACK WALLS. A PIECE OF 1/4" WOOD CAN BE GLUED UNDER EDGE OF STEPS FOR MORE SUPPORT AND GLUE ADHESION TO WALL.**

## 5 - Build and Install Loading Dock and Roof

The loading dock has four pieces, a front section, two sides and a top section each of which is constructed in a grey—cement color or a red brick color. Painting is optional with the grey—cement color.

- Glue the two dock side pieces to the dock front piece as shown in the diagram below—note that the front piece covers the end of the side pieces, creating a three sided “U” shaped part.
- Glue the “U” shaped base to the side of the building. Note that the dock sides should mate to slots in the side wall of the building rear.



Dry fit the loading dock top on top of the loading dock base you have just attached to the building. Some light trimming or sanding may be needed to get a tight fit to the building just below the loading dock doors. Once you are satisfied with the fit, glue the loading dock top to the base and the rear of the building.

- The **loading dock roof** has a corrugated side that should face up, and attaches to the rear of the building in a slot above the freight doors. This roof section is supported by 3 lengths of chain supports that are glued to the cotter pins that attach to the building and the roof section back.
- It is simpler to attach the loading dock roof if you place the building front side down on your work surface such that the **rear wall is facing up**.
- Dry fit the loading dock roof in the slot in the wall above the loading dock doors, and trim any parts to achieve a tight even fit. **Do not glue down at this time.**
- Attach the 1/32" x 1/2" cotter pins to the holes in the roof piece and the indentation of the rear wall. Use a 1/32" drill bit to make the hole. Once the cotter pin is through the material, spread the legs wide and secure with glue with the pins all facing the same way.
- Add three pieces of chain to the building between the loading dock roof on the back wall of the model to simulate a chain roof support structure. The chain comes in 3 pieces, and attaches to the roof and back wall similar to the chain seen in the photo of the building on the first page of these instructions. A small dab of super glue on the end of the chain will hold it, you may want to use small pliers or tweezers to place these parts. You can adjust height by cutting the chain with nippers.



## 6 - Install Roof

The #905 Blackshear Refrigerated Transport Inc. has a single level rectangular molded roof made from poured poly urethane. The intent is to glue this piece to the wood supports which are at top of the four walls of the building.

- Once the building has set up completely, install the roof support for main building on front walls and back wall. To do this, you must decide whether you want a slightly raised roof or a flat roof. **For a raised roof**, align the top edge of support (with angle facing up) with the top edge of both sides of long walls. Then glue in place. **IF you want flat roof** turn support over and align in same fashion. Let dry completely.
- To install the roof, If **slightly raised** is going in, cut the roof panel in 2 pieces along the seam. Then attach to supports. You can also cut black duct or painters tape to cover the seam to give more support. This also produces a smooth roof seam. If **installing flat roof**, align the edges with some overhang and glue in place.



Add the **roof over the front door**. Use the angled wood supports to glue to front wall then add the small roof with small dabs of glue long building edge then angle supports.

## 7 - Install Air Conditioning Unit and Name Labels

On the last paper you will find the instructions for the air conditioning unit for the roof.

There are 2 Name stickers in the box with 2 pieces of small cardboard backing pieces to use for the sign.

## 8 - Final Detailing – Weathering

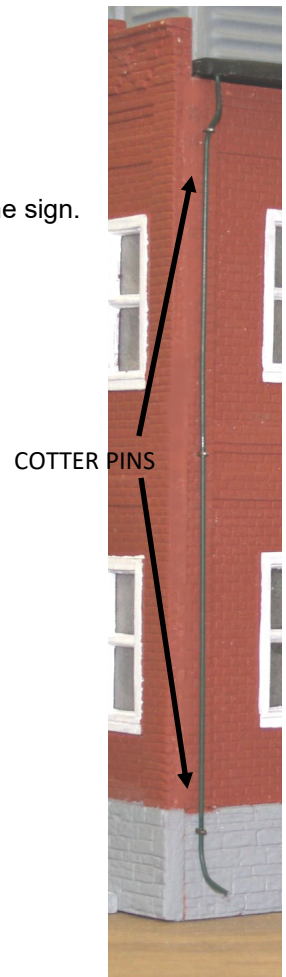
If you have not already done so, place and glue the steps assembled in an earlier step in front of the front and back doors. Also add steps to loading dock if not done so before.

You can now add the down spouts to your building. Locate the side of building desired for the down spout, then drill a small **3/64 diameter** hole in wall at top and bottom for the cotter pin anchors. Next bend the green down spout wires to acceptable shape and size and fit in the cotter pin circular ends with a dab of glue.

Your Korber Building 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. There are 2 smoke stacks for roof if desired. Just glue them to flat roof parts.

To add a weathered look, spray the entire model with flat black from a distance. This will give a sooty look to the building. Once done you can spray the completed structure with Dullcote to remove any gloss or shine.

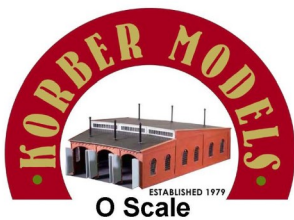
If you choose not to detail the inside of your structure, or light it, an effective and quick way to make a good looking background building is to cover the widows with black construction paper from the inside. This creates a dark building look that is more desirable than the view in to an otherwise empty shell of a building.





# Roof Top Refrigeration Unit

## Model D0002



### Korber Models

#### Scale Model Railroad Structures

165 E Main Street  
Atlanta, IN 46031 USA  
765-292-2044

korbermodels.com

Congratulations, you have purchased the Korber Models #D0002 Roof Top Refrigeration Unit. This roof top detail represents thousands of similar units that could be seen on roof tops in any city or town all across the nation. You can follow the simple, step by step instructions outlined in this document to easily assemble this great looking addition to your layout.

This kit like any, requires a few additional items to complete the construction. We have included suggestions; however you may use any product that fits the function. RustOLEum flat spray paints work well for painting the kit, Black, Grey or White, Cyanoacrylate (CA) glue, also known as Super Glue, Gorilla™ super glue works well, CA glue accelerator (optional) (turns any CA glue into quick set glue), Testor's Dull-cote™ (optional).

- The roof top refrigeration unit consists of five parts, four of which are louvered walls and may be attached to the same sprue.
- Trim flash or sprue from the pieces to create two walls with three sets of louvers each, and two walls with one set of louvers.
- You may want to paint the walls silver, grey or white. At this time you should paint the roof section black.
- Once the paint has dried, glue together the four walls to make a rectangle with two walls with a single louver opposite each other and the walls with three louvers opposite each other. Use a small square if needed to make a right angle joint.

- Once the wall sections are dry, glue the roof section to the top to enclose the structure

- The final product should look like the photo to the right.

- Your Korber #D0002 Roof Top Refrigeration Unit is now assembled and ready for placement on the layout. You may wish to provide some additional weathering before you install it as it 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 tank. Once done you can spray the completed structure with Dull-cote to remove any gloss or shine.

- The rooftop refrigeration unit should be placed on the roof of the structure you want to add this detail to in the positions you desire. You can optionally glue these in place

