

## Our December 2016 Production Run Parts Test

In early 2015 we started the work in designing the "Bay Window Box Car Caboose Kit" for the 1937 40' box car kit. A lot of time and money has been spent into this project in the last 2 years. Everything is ready for the mold injection production run of these kits. If we make 200 of these kits our total cost would \$40 each at no profit. To make a profit we would have to retail the 3 sprue parts for \$49.95 or more. For the 1937 40' box car kit we have had some laser cut for our bay window parts kit.

The only thing not included is the caboose trucks and wire grab irons.

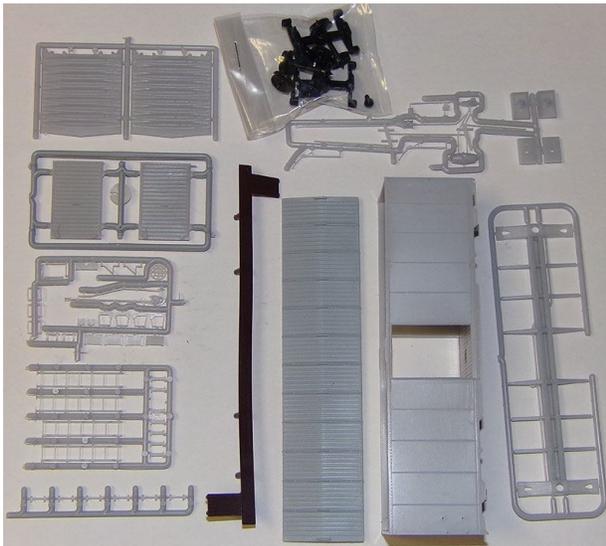
**Kadee:** 1580 Bettendorf AAR Caboose Trucks

**Detail Associates:**

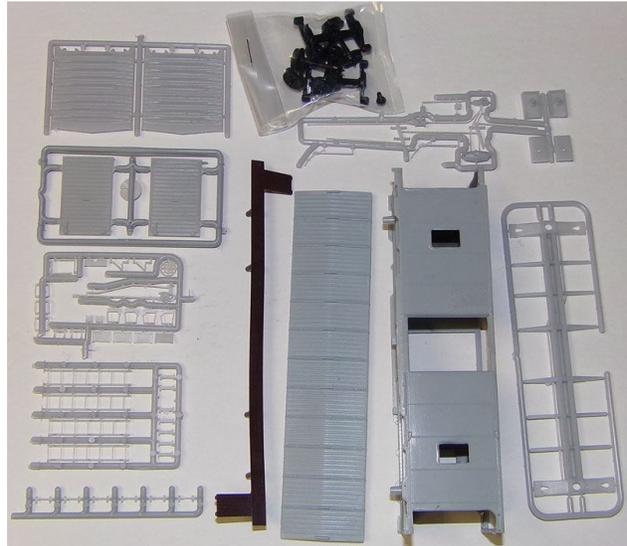
- 6503 - Curved Grab Irons
- 6504 - L Shape Grab Irons
- 2222 - Eye Bolt

1. **Undecorated Box Car Kit with Viking Roof:** \$ 21.95
2. **Laser Cut Box Car Caboose Kit:** \$ 59.95
3. **Bay Window Caboose Parts Kit:** \$ 49.95

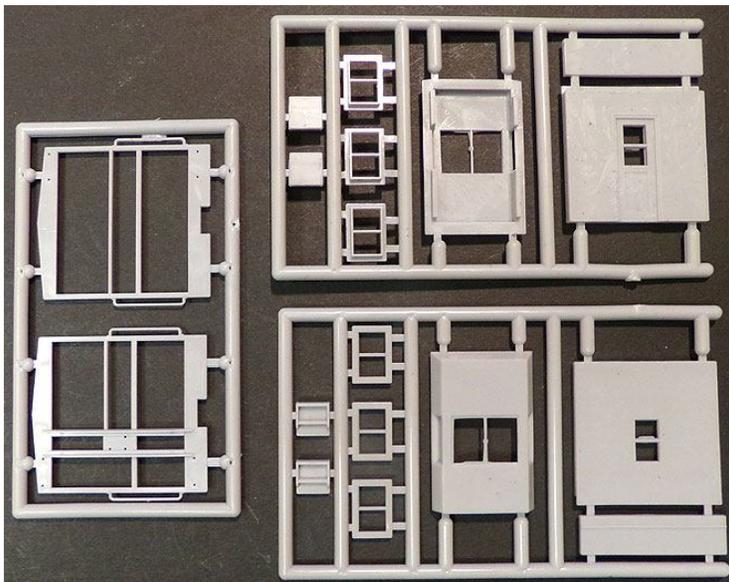
#1



#2



#3

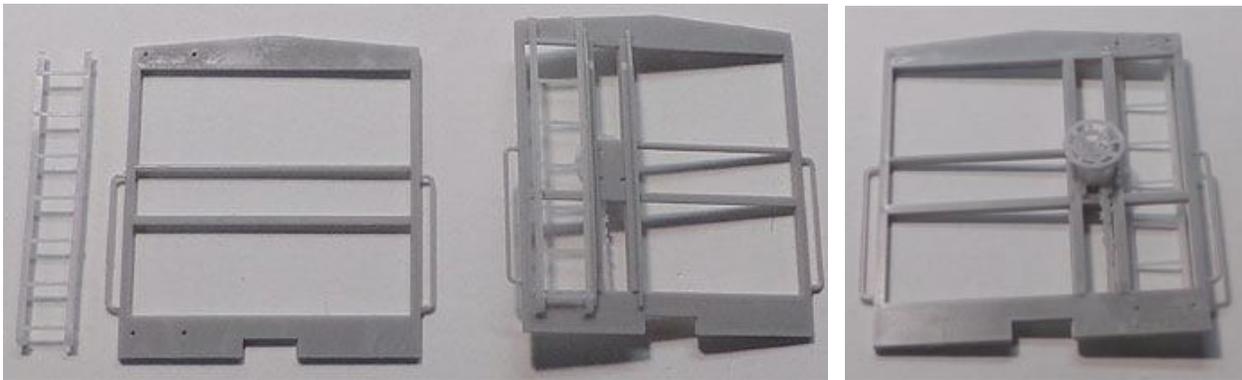
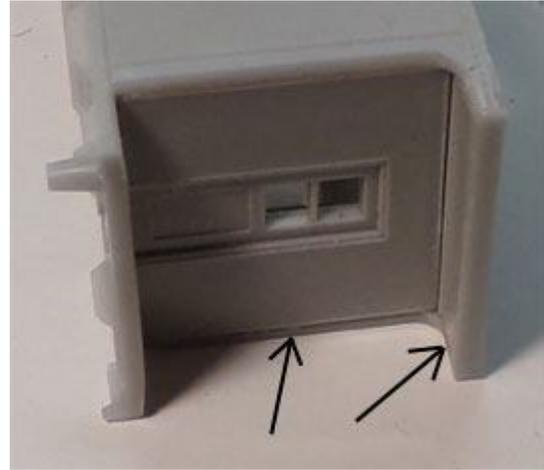


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## Installing The Bay Widow Kit

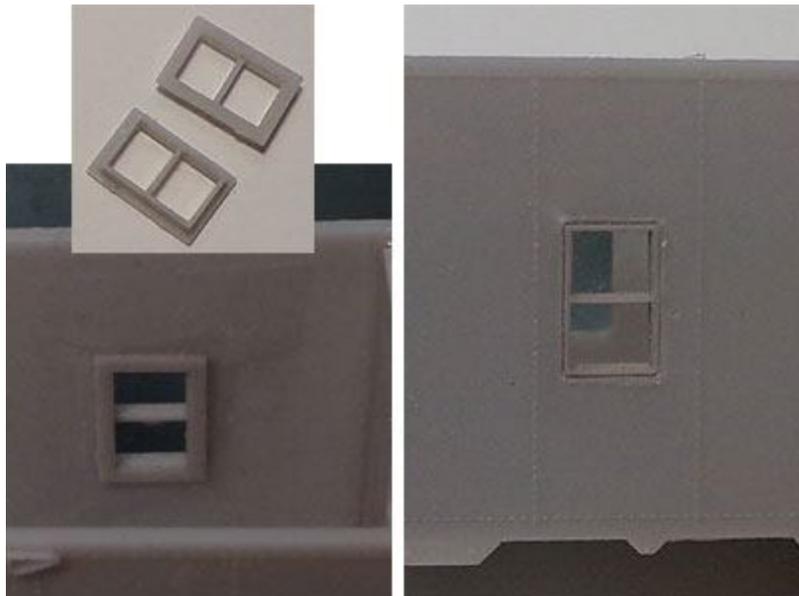
1. Install the end door section and the upper ceiling section. Make sure they are flush with the body edge as indicated in the photo. This can be glued from inside the body.
2. The below end railing needs the box car long ladders installed on the left side. Insert the ladder pins in the upper and lower holes. These can be glued from back side into the holes. The backside will not be visible when assembled.
3. Next install the box car brake wheel and housing on the inside of the end railing. These end railings will be installed later on.



4. The below right photo shows the lower extension added on the left using **Evergreen #124, .020 X .080, 1/4 Scale 1 X 4**. This requires some time cutting and test fitting before gluing it in place. There are two ways this can be done as indicated in the photo.

5. Next is the 4 side windows, the wide flange hold the window in the opening from the inside. We installed the side window from the inside (bottom left photo) and used clear tape to temporary hold it in place. Some filing may be needed around the body shell window opening. The right photo shows the outside view of the window frame.

**NOTE:** These window will be install last after all the painting is done, these window frames should be painted aluminum.



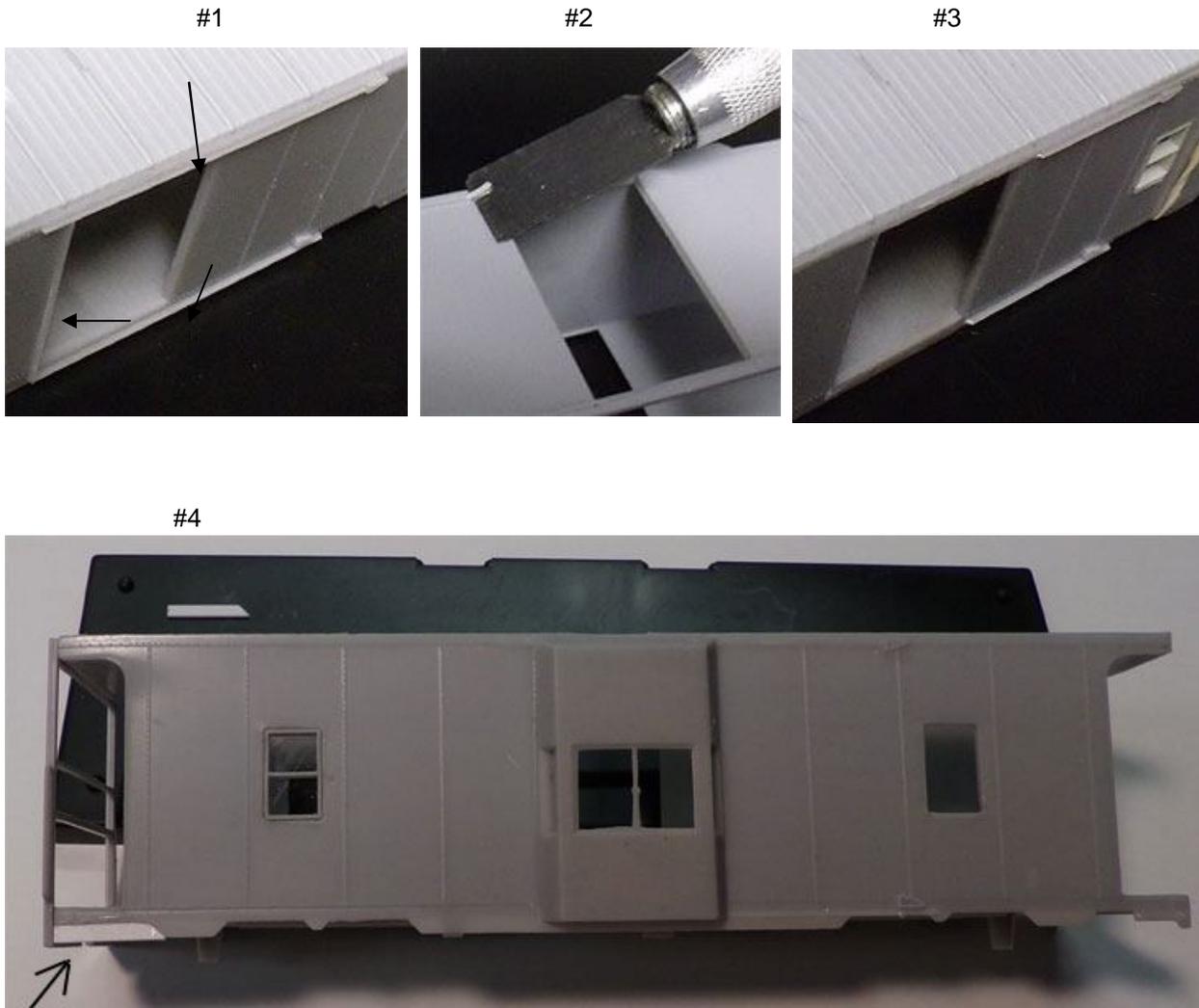
Next is the Bay Window for the 6' door opening.

**#1 Below** Shows the upper and lower door guide rails which need to be removed. On this model there is a raised edge on the left side of the door opening that also needs to be removed.

**#2 Below** Shows the knife shaving away the guide rails.

**#3 Below** Shows it shaved flush around the door opening. It is best to go ahead and remove all the guide rail now.

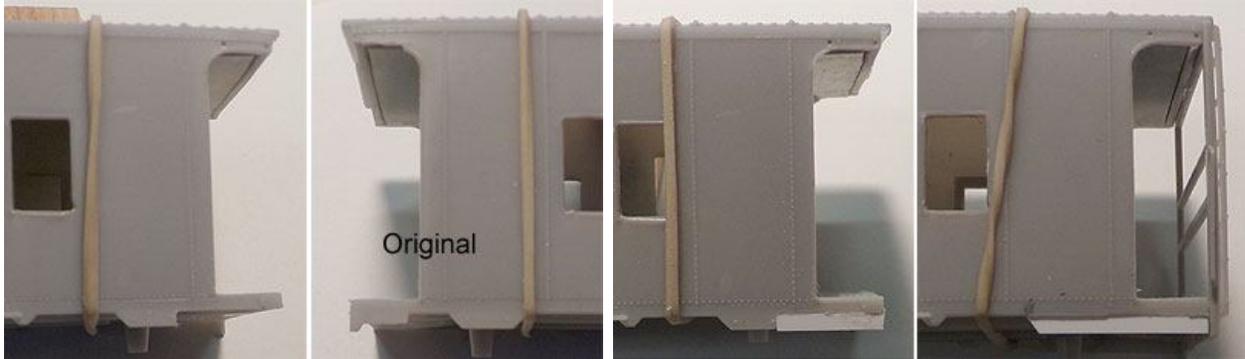
**#4 Below** Shows the bay window fitting nicely in the sliding door opening.



The above photo shows the lower extension added on the left using **Evergreen #124, .020 X .080, ¼ Scale 1 X 4**. This requires some time cutting and test fitting before gluing it in place. We also tested installing the end railing.

We shaved off the upper and lower side guide rails all the way to the stop plate with a X-ACTO knife.

6. The below right photo shows the lower extension added on the left using **Evergreen #124, .020 X .080, 1/4 Scale 1 X 4**. This requires some time cutting and test fitting before gluing it in place. There are two ways this can be done as indicated in the below right photos.



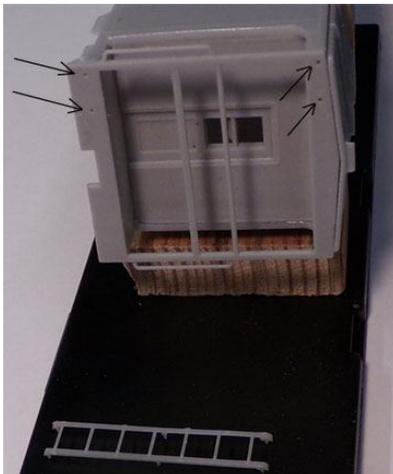
7. Next you will want to install the curved grab irons on the sides and the "L" shape grab irons on both sides of the rear door. (Below right photo)

8. Next add the 4 steps.



9. The end railing was test fitted earlier. You might want to install them after everything is painted. Trying to paint the grab irons yellow afterwards may be difficult.

Below you can see the rear door section has been installed. This was the first thing installed. With the end railing installed we tested the box car ladder. Everything is looking good at this point.



**NOTE:**

Test fit all parts before gluing them in place. Some trimming may be needed on the body shell.

