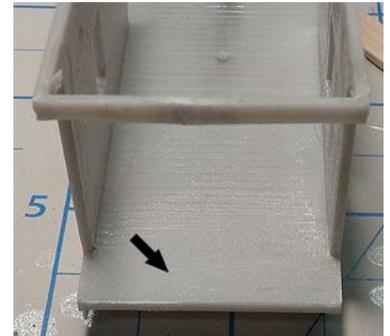
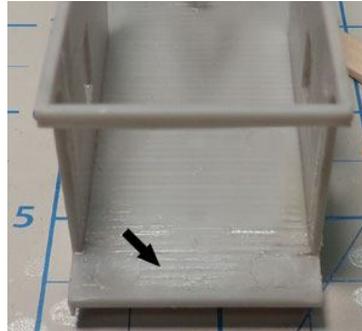
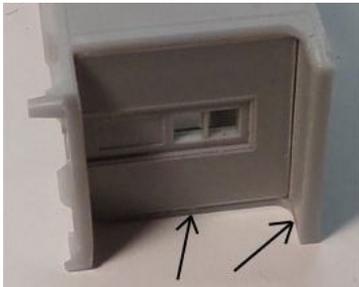


Installing The Bay Widow Kit

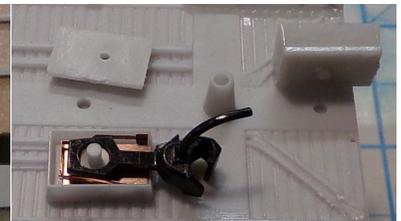
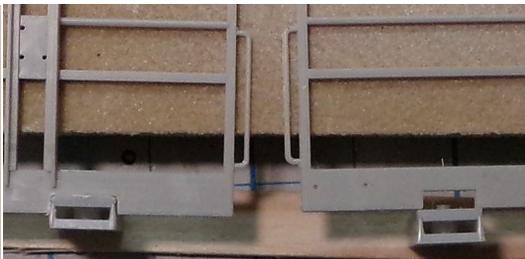
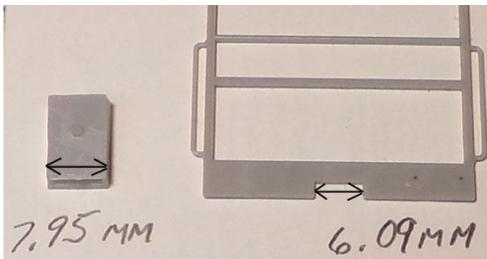
Now lets get started with this bay window caboose project. The first step is to sand smooth the platform before installing the end door section.

1. Below 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.

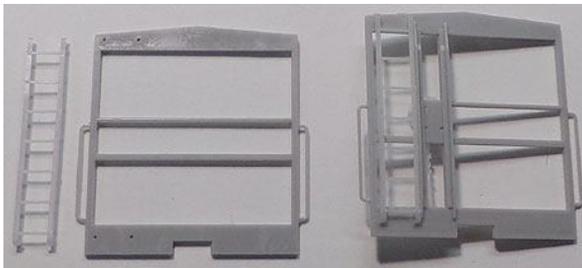


2. Below we did a test on the coupler box (7.95mm) and the coupler box opening (6.09mm). Both sides of the coupler box opening need to be trimmed for the coupler box to fit in the opening.

Looks like the coupler box will have to be glued on. We do not want any screws coming up thru the end platform.



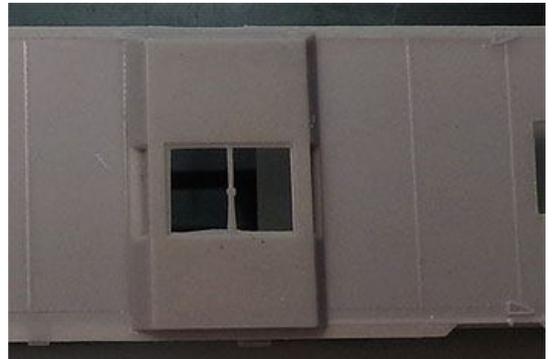
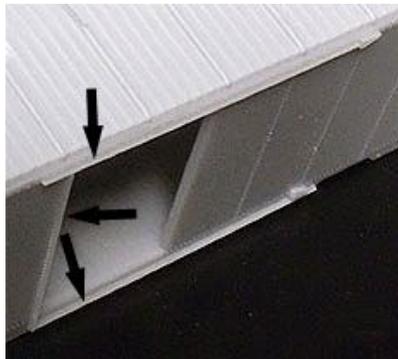
3. The below end railing needs the box car long ladders installed on the left side. Insert the ladder pins in the upper and lower holes. These can be glued from back side into the holes. The backside will not be visible when assembled.



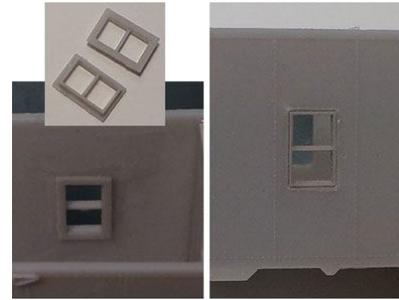
Next install the box car brake wheel and housing on the inside of the end railing. These end railings will be installed later on.



4. Next is the Bay Window for the 6' door opening. The upper and lower door guide rails need to be removed. There is a raised edge on the left side of the door opening that also need to be removed. To give the sides more support we added the roof with a rubber band on each end to hold it in place while removing the guide rail.



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. You could use a silver magic marker, Sharpie.

6. Next is the lower end extension and steps. We decided to make 4 extension with a 45° angle cut. We use Evergreen #124, .020 X .080, ¼ Scale 1 X 4. (Included in the complete kit)



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) Detail Associates L Shape Grab Irons template included. 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. Next add the 4 steps.



8. Below is the smoke stack which is needed to be short. Here we have modified the smoke stack and made it shorter. They were glued back together with Plastruct Bondene Solvent Cement.



9. Now we need to drill a hole in the roof for the smoke stack. The smoke stack base is 2.33 mm. After drilling the hole, we test fit the smoke stack.

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



Included in the Complete Bay Window Caboose kit are the following:

1. Bay Window kit.
2. Laser Cut Box Car Shell.
3. Viking Roof with predrilled roof walk holes.
4. Apex Running Boards Roof Walk.
5. Bettendorf AAR Caboose Trucks
6. Curved Wire Grab Irons

Below in Kit-1 Only

7. L Shape Wire Grab Irons with eye bolts

Below in Kit-2 Only

7. L Shape Yellow Plastic Grab Irons

