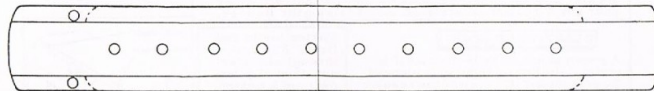


*S-430 Hand rails (optional)
 *S-120 Grab irons (optional)
 *C-293 Tailgate (optional)

Roof Detail for 9174 Monitor type car
 If air duct is used, eliminate 10 globe vents from top of roof.
 Dotted lines indicate location of (optional) air duct.



NOTE: Since this car does not have the older sash-type windows, the cardboard spacers for the acetate window material are not included in the kit.

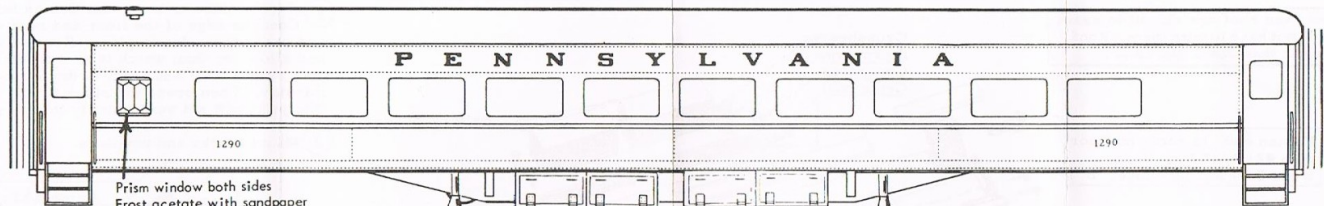
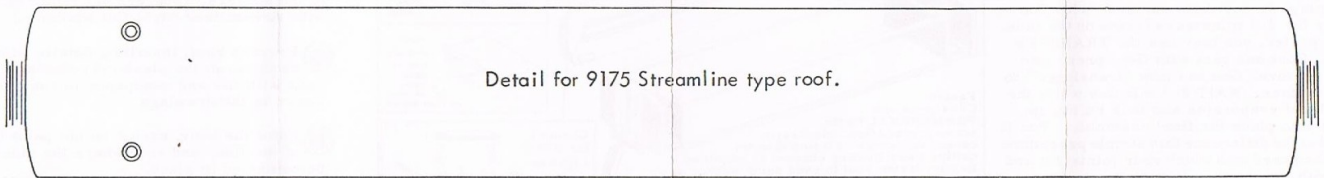
9174-5

**PENNSYLVANIA
 MODERNIZED COACH**

Wn. K. Walthers, Inc.
 Milwaukee, Wis.

1/8"=1 foot 70-0303

Detail for 9175 Streamline type roof.

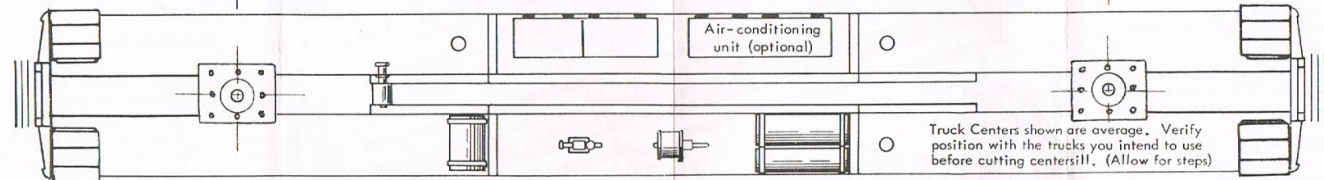


Prism window both sides
 Frost acetate with sandpaper
 (Or use *V-527 Prism windows)

Make from cardboard, or use
 *C-890 Hinges & *R-155 Handles.

Steam traps

TRUCK CENTERS = 13"



Truck Centers shown are average. Verify position with the trucks you intend to use before cutting centers!! (Allow for steps)

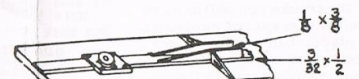
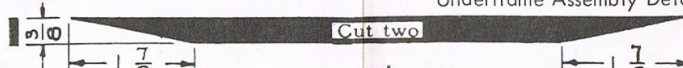
* Indicates (a) Super Detail parts (or) (b) Optional Accessories

Detail

Air-conditioning unit
 This may be used in



Underframe Assembly Details



HEY, HERE'S SOMETHING NEW!

One of the really new features of this kit is the method of cementing the sides to the body. BUT, you need a cement that will hold wood to metal: one that will NOT come loose in a damp basement, a cement that will NOT crack even if the model is stored in an attic where the temperature may change rapidly from sub-zero to plus 120°. **GOO WILL DO THIS JOB.**



We have tested Goo continuously since 1949 and we KNOW it will do this job (and most any other cementing job). Don't take a chance with an ordinary cement. Your models deserve Goo. Try it. Give Goo a chance to show you some new tricks.

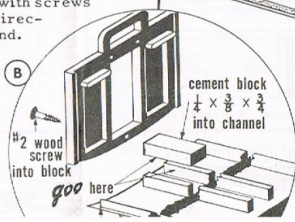
FOLLOW DIRECTIONS. It is important and to your advantage to coat both surfaces with Goo and let dry for 2-3 minutes as it says on the tube. Or, if you prefer, you may use the **TRANSFER METHOD.** Coat one part with Goo, press into place and remove. Goo has now "transferred" to the other surface. WAIT 2-3 minutes while the excess solvent evaporates and tack builds up, then press into place for final assembly. You'll be amazed at the difference this simple procedure makes in the speed with which your joints set and the ease with which your models Goo together.

Sides, floor, and roof are all cut to exact size. You do not have to trim them. Roof is 1/2" longer than sides and floor.

Fasten ends to roof and floor with #2 x 1/2" Flat Head Wood Screws. (See inset "B")

ASSEMBLY OUTLINE

- A** Clean flash from end castings. Fasten optional super detail parts to sides if desired. (See note on "Super Details".)
- B** Fasten ends to floor and roof with screws and Goo (inset "B"). Follow directions on Goo tube for quickest bond.
- C** Notch floor to provide clearance for vestibule door and step (see inset "C").
- D** Locate truck centers for the trucks you will use and Goo the diecast body bolsters in place. Cut centersill parts from wood and assemble on floor, reinforcing the fishbelly.

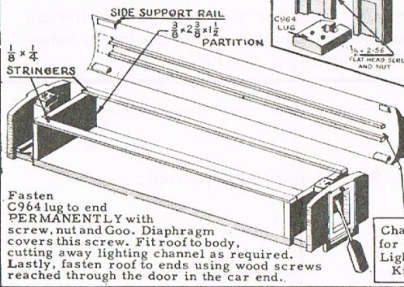


SUPER DETAILS

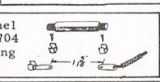
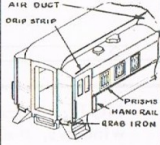
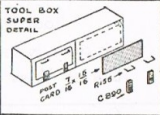
In order to keep the price of the basic kit as low as possible, we have packed the super detailing parts (usually referred to as "optional" on the plans) in a separate kit. These kits, which include hand rails, grab irons, prism windows, guard chain for the trucks, hinges and handles for underbody boxes are available for all styles of cars. You may also purchase accessories such as air conditioning strips, marker lights, venetian blind decals, interior detailing, and lighting kits that will make your car a real show-piece. Consult catalog for listings.

REMOVABLE ROOF

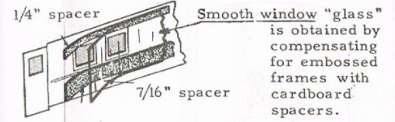
A removable roof is desirable if interior detailing or lighting is planned. To provide for it, cut away the regular side support rails and make a new support frame as shown. Sides will be Gooed to this new frame.



Fasten lug to end first. Run screw through end, start nut, then slip lug over nut & tighten.



E Complete the underbody details with both standard and optional superdetail parts, scaling any needed dimensions from the plan.



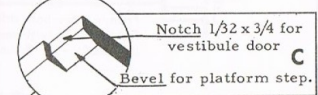
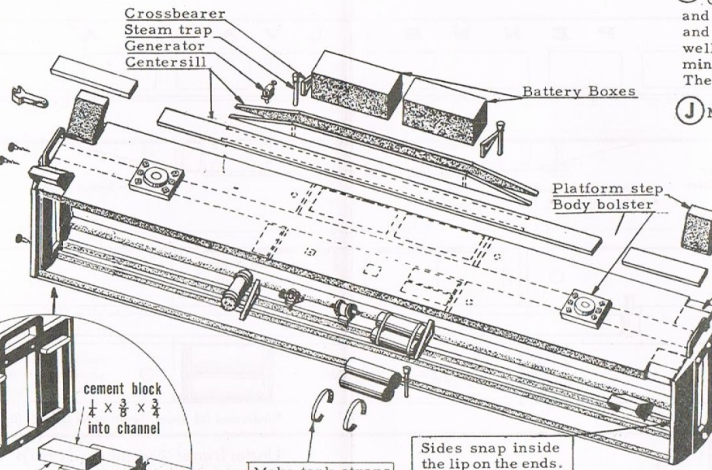
F Prepare sides. If the optional hand rails are desired, drill holes and cement or solder in place. Check sides against body for fit and then paint. Do not paint the edges that will be Gooed to the roof and floor. When dry, Goo cardboard window spacers to inside of car side, then Goo transparent window material to the spacers. (Spacers not required on cars with streamlined-style flat windows.)

G Prepare roof, installing details with Goo as shown on the plans and rounding the ends with file and sandpaper to contour shown in the drawings.

H Paint the body, except do not paint the edges of the floor and roof where the sides will be cemented in place.

I Fasten sides to body with Goo as follows: Coat the edge of the floor and roof with Goo and press the sides in place. Remove the sides and allow the Goo, which is now on the sides as well as the floor and roof, to dry for two minutes. Then press the sides firmly in place. The joint will set very quickly this way.

J Mount trucks and couplers.



Mount couplers with #2 x 3/8 round head wood screws. Three #2 x 1/2 FHWS will be covered by Diaphragm.

IMPORTANT: These General Instructions show the body assembly of any car of this type. Car plans on the reverse will show where to locate all detail parts.

Make tank straps from flat wire or 1/16" strips of cardboard or

Sides snap inside the lip on the ends. Mount trucks with #4 x 3/4"