

Instructions for adding Plano Model Products Walkway Kit #085 to Athearn's 54ft Pullman Standard Covered Hopper

Plano Model Products 54ft P.S. walkway conversion kits are designed to replace the plastic walkway and coupler platforms on the Athearn PS covered hopper models. Before starting, read through these instructions carefully and familiarize yourself with them.

A couple notes before starting. On brass parts to be bent, look closely at both sides of the brass pieces. On one side you will see small score lines. At these score lines, bend the part carefully using a pair of tweezers. **Note: these score lines are to be on the inside of the bend.** All parts are attached to a framework to protect them from loss and/or damage. Carefully trim brass parts from framework to match diagrams. Stainless parts should be trimmed as close to roofwalk and other parts as possible to resemble parts shown in diagram drawing below. Some illustrations may be simplified for clarity. **WARNING: ALL MATERIAL IN THIS KIT CAN BE VERY SHARP AND CLIPPED PIECES CAN FLY, WEAR EYE PROTECTION!**

Preparing car roof for new walkway

Carefully fill and smooth all holes in the roof. Also remove the cast-on roofwalk supports on the ends of the car. Cut out drill templates on solid outline. Fold the end tabs at the dotted lines. The template should cover the roof squarely with it lining up on all four corners. If your car has the hatch installed and it will not come off, cut out the center of the template at the center square and fit it down over hatch (some additional slices may be needed). Tape the template to the roof of the car. Using the supplied "T" pin, press a drill pilot point in each "+" tic mark on the template. Don't forget the two marks on each end for the crossover supports. Remove the template and using a #78 drill bit, drill a hole in each of the pilot points.

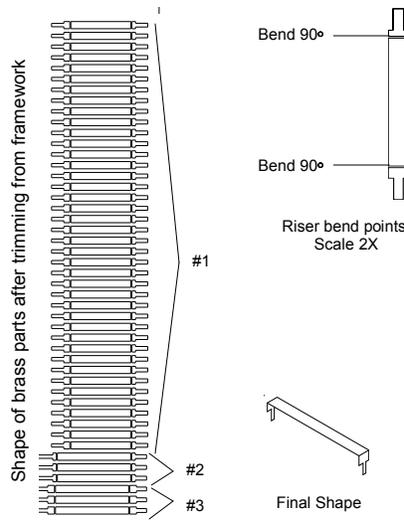
Adding new coupler platforms

Carefully remove the plastic coupler platforms from the ends of the car. Trim stainless platforms apart to match parts #5A and #5B. Position mounting pads of appropriate platform on top surface of car end (where old platform was located) and

cement in place.

Adding new walkway support risers

With the car assembled, it is time to start adding the new walkway risers. Start with bending risers into a "U" shape by bending at the score lines mentioned earlier. There are three different sized risers used in this conversion. One (#1) has two different lengths of "rise" to them. The other two both have the same length of "rise" on each end,



but (#2) has a short rise and (#3) has a slightly longer rise.

On the drill template you should have noticed lines between the tic marks with numbers next to the lines. The lines designate the direction of the risers on the roof and the numbers specify which riser to use. With these directions and numbers in mind, position the riser mounting pins in the previously drill holes and CA in place. Longer leg of risers #1 to outside of car. Add the risers to all holes on both sides of the roof.

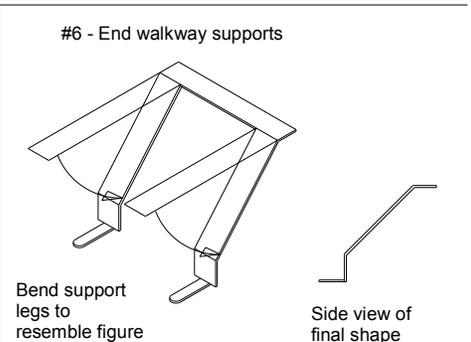
At this time, you may want to paint the car or touch up paint if you are working with a car that is already decorated.

Adding new walkway to roof

Set stainless walkway on the risers and center it so it sits equally on all the risers. When satisfied with the placement, CA in place with small amounts of CA.

End Crossover supports

Using the stainless crossover supports (#6), bend them to match that of the diagram above. Place mounting pins in holes and top of support against underside of walkway. Adjust to your satisfaction and CA in place.



Repeat on other end of the car.

This should complete the walkway details. The prototype walkways are often an unpainted galvanized metal so an overspray of a flat clear paint should give a prototype look to the model. Finish adding other details to your car you feel may be needed.

We hope you enjoyed adding our product to your Athearn PS Covered Hopper. If you would like to know what other products we have to offer, please see your local hobby dealer about our growing line of photo-etched products or visit us online at our web site www.planomodelproducts.com.

Thank you and happy modeling from
Plano Model Products!

