

Instructions for adding Plano Model Products Walkway Kit #10878 to ExactRails or Wm. K. Walthers 4427 LS PS-2CD Covered Hopper

This Plano Model Products PS-2CD walkway conversion kit is designed to replace the standard walkway and brake platform on either ExactRails or Wm. W. Walthers 4427 Low Side PS-2CD covered hopper models to represent the CNW and Milwaukee version without the end crossover section. Before starting, read through these instructions carefully and familiarize yourself with them.

A couple notes before starting. All brass parts are attached to a framework to protect them from loss and damage. Carefully trim parts from framework as close to framework as possible. Stainless parts should be trimmed to match drawings of parts on back of these instructions. 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 the holes in the roof or remove molded on roofwalk supports. If you are detailing a Walthers car, remove the cast-on end roofwalk supports on the ends of the car. Cut out drill template on outline. For ExactRail car, roof should be installed for the template to properly line-up. Tape template to roof of car. All corners should be even. Using the supplied "T" pin, press a drill pilot point in each "+" tic mark on the template. Remove the template and using a #78 drill bit, drill a hole in each of the pilot points.

Preparing Walthers car for brake platform

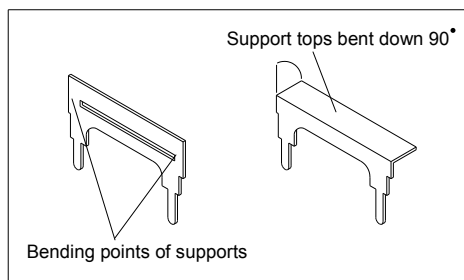
Carefully remove the plastic brake platform from the end of car leaving only a small "lip" of the old platform on the car. This remaining "lip" can be used to glue the new brake platform to. Trim small stainless platform apart to match diagram on back of instructions. Position mounting pads of platform on top surface of "lip" (where old platform was located) and cement in place.

Car Assembly

With the roof drilled and ready for assembly, it is best to assemble the car first per manufactures instructions and add any other details you feel are needed.

Adding of new walkway supports

The new walkway addition will start with new brass walkways supports. There are two sizes of supports. Four of them (#B2) are slightly longer than the others and the legs are the same length. These four support the end



portion of the main walkway (see diagram). Trim supports from framework as close to outer framework as possible. The longer the mounting pins on the supports the better. It may be hard to see but on the 30 smaller supports (#B1), **THE LEGS ARE A DIFFERENT LENGTH.** You will need to keep this leg length in mind as you begin to form the supports. The top portion of these supports will need to be bent 90 degrees. Half (15) of the supports will be bent to the left and half (15) to the right. Separate supports into two groups, one left bent and one right bent. Starting at one end, position a riser #B1 mounting pins in the previously drill holes, longer leg to outside and its support top pointing to opposite end of roof. Continue adding all #B1 supports pointing to the same end of roof. The last #B1 support on each side will need to point in the opposite direction of all the other #B1 supports. Add supports #B2 to the ends of roof with tops pointing in toward center of roof (see diagram below). Straighten all supports and CA to roof.

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

Adding new walkway to roof

Finally it is time to add the new stainless steel walkway. First there are a couple things you will need to do to it. The corner laterals need to be bent down very slightly to match the angle of the plastic walkways. At the etched line (etched lines are the top of the walkway) use a couple pair of needle nose pliers and slowly bend down to match angle. Next, on these laterals you should see very small legs sticking out at the corners. Carefully use a pair of tweezers to bend these legs down 90 degrees. If you have bent the side lateral down far enough, these legs will rest against the roof and hold it at the correct angle. If you have bent it to much, carefully correct the angle or you may have trouble getting the walkway to rest on the supports. You may need to adjust slightly. Set walkway on the supports and center it so it sits equally on all supports. When satisfied with the placement, CA in place with small amounts of CA between walkway and support tops.

Add and CA grab irons of your choice to corners of walkway.

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 car to your satisfaction.

We hope you enjoyed adding our product to your Walthers or ExactRail 4427 PS-2CD covered hopper. If you would like to see what other products we offer, see your local hobby dealer about our continuously growing line of photo etched detail products or visit us at www.planomodelproducts.com. Thank you and happy modeling from **Plano Model Products!**

