

Plano Model Products #10930

Replacement walkway and Platform Details

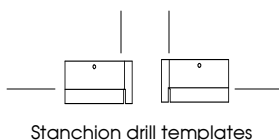
AHM Flexi - Flow Model

The parts in this kit are designed to be used on the AHM Flexi-Flow model. They are intended to represent the prototype parts with minimal modifications to the model. They will not make your model match today's model standards but they will improve its looks in your train consist. Most of the parts are made from phosphorus bronze. Bending of this metal will require good tools and patience. Please read through these instructions before starting so you are familiar of what will need to be done and when.

Preparing existing model

The areas of the model that will need to be modified for this kit are the roof and the car ends. Begin by removing the plastic roofwalk. The main roof of the model can also be removed making it easier to work on. Now you will need to remove all of the plastic supports. The large holes the plastic roofwalk was mounted in also need to be filled. There are rectangular openings at each end of the roof, on the car body, that also need to be filled in. A smooth, even contour of the roof is what you will want. Now is the best time to make any additional changes to the roof you plan to make. Once your roof is ready, you will need to drill the holes for mounting the new roofwalk supports. Trim the supplied paper drill template to fit by cutting it out on the solid outline. You will see two dashed lines the length of each side. Carefully create a slight fold in each of these dashed lines. You might want to make the fold before cutting out as it is a small area to get a hold of. Cut out center sections to fit over roof hatches. Now position template on roof so all edges line up and tape in place. Using the supplied T pin, press a drill pilot point in each '+' symbol on the template. Once all are marked, remove template and drill a #78 hole in each pilot point.

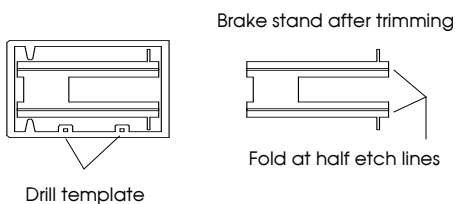
On the ends of the car you will need to remove the plastic stanchions on the corners of the car. Maintain the shape and contour of the side sills. The stirrup steps should also be removed, leaving a flat surface on bottom of side sills. There are two small drill templates provided to assist in helping to align new stanchions. Remove small templates from center of roofwalk and fold to shape at score lines. There is a left and right. Position template under lower corner of car end, long section on sill side, and drill a #78 hole through the hole in the center of the template.



Stanchion drill templates

When you removed the plastic ladder you were left with a rectangular hole in the deck of the car end. Use the supplied .040 X .040 styrene to plug most of this hole. Leave a small sliver of an opening, closet to car end, for mounting the ladder bottom tab into. The two round holes on each end of the hopper ends will not be used so they can be filled and cleaned up.

The rectangular hole left from the brake stand removal will not be used and can be filled. On the edge of the fret near the new brake stand there are two holes. These are a drill template for mounting the brake stand. Position



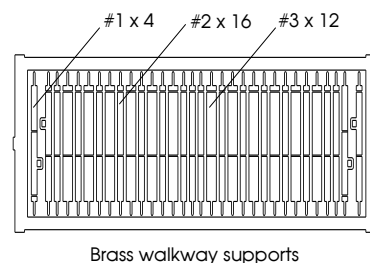
Position the drill template on the car end and drill a #78 hole through the hole in the center of the template.

over car 'B' end where you want the new stand and drill a #78 hole in each template hole.

Now is the time to make any other body modifications you plan to make. Keep in mind that some modifications may affect intended mounting of these new metal parts. If you rebuild the end decks, mounting the ladders and brake stand may vary from these instructions.

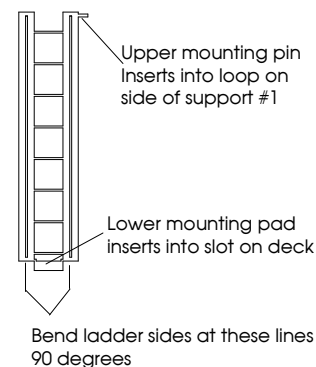
Rebuilding roofwalk details

Referring back to the paper drill template you will see numbers between each pair of '+' symbols. These numbers refer to which support to use. Refer to the drawing diagram for identification, carefully remove support as you need it, form by bending 90 degrees at score lines,



insert into drilled holes and glue in place. Support #1 has a small loop that will fold down and be used to hold the top of the ladder. Continue until all supports are applied.

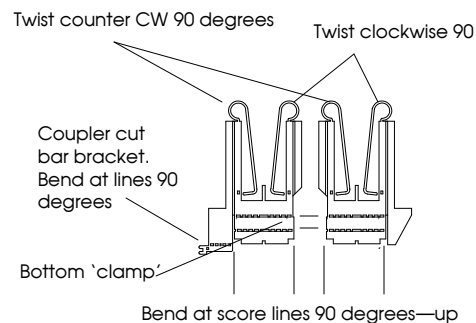
The new ladders can be added at this time. Remove ladders from center of new walkway fret and trim to match illustration. Bending these to shape will take a little patience. Using a pair of needle nose pliers, FIRMLY hold an outer edge of the ladder, even with the score line.



The score line is the inside of the bend. Bend the outer edge up 90 degrees. Running a small screwdriver blade back and forth at bend may make this easier. Work slowly and evenly. Bend other ladder side in the same direction. Place tab at bottom of ladder in slot created in deck and position pin at top of ladder in loop on edge of roofwalk support and glue in place. The new roofwalk will be added later.

Forming and adding stanchions

There are two left corner and two right corner stanchion parts. The main difference is the right corner parts have the front plate with the couple cut bar bracket on it. Other than that the form pretty much the same. So lets start. Remove parts from fret and trim to match illustration. Using the score line dividing the stanchion uprights as a guide, use your needle nose pliers, FIRMLY hold the outer section and bend the stanchion 90 degrees. Be careful you don't mangle the curved grabs. The front plates bend with the stanchion edge. There is a tab at the bottom of the stanchion part that is divided in two section. Bend the whole tab up 90 degrees in the same direction



as the stanchion sides. Also bend mounting pin in 90 degrees. With tweezers, grasp the loop section of the grab, right at the top of the stanchion and twist so loop points in the same direction as stanchion side. Bottom of grab will insert into matching hole (wait until mounted on car before securing). To mount on car, insert mounting pin in hole drilled with that tiny template, front plate flush against front of car and bottom tab flush with bottom of side sill. Trial fitting is suggested just in case additional filing to body is needed. The second section of that bottom tab will bend up 90 degrees inside (back side of side sill) to 'clamp' the part in place. Glue in place and repeat on the three remaining stanchions. The coupler cut bar brackets on the right corner stanchions can be formed at any time. Bend the long tab up 90 degrees and then the 'U' support up 90 degrees. These will be somewhat fragile so a little filler in the bends will help strengthen them.

The brake stand can be added anytime. The sides will bend in 90 degrees like the stanchions. Insert mounting pins into drilled holes and glue in place. Add brake housing of your choice

The brake platform can be added at any time. The support on one end bends down 90 degrees. The other end rests on the side sill. The cutout in the platform should line up with the chain from the brake housing.

Moving back to the roofwalk, Bend the ends to match the angles of the plastic roofwalk. Center roofwalk on supports, adjust as needed and glue in place.

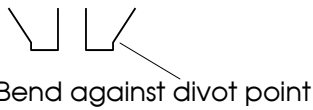
That completes our portion of your detailing project. Add another details you plan to add, paint or touch up paint.

Thank you for using our product on your model!

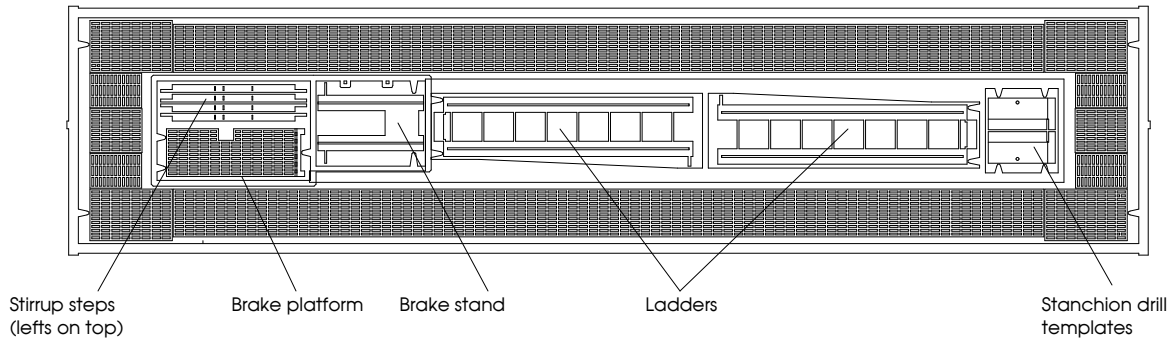
On the bottom surface of the new stanchions there are two holes for locating the new stirrup steps. Drill a #78 hole at each of these locations. There are also location holes in the sides for mounting new grab irons. Drill holes to work with grab irons of your choice.

To form new stirrup steps, there are small divots in one surface of the stirrup strips. These are the inside of each bend, except one. All but the exception bend will in 90 degrees. The exception bend will bend out, away from divot, about 45 degrees. the mounting pin on that section will bend up to match other mounting pin. You will notice the mounting pins are offset from center. This is to offset the stirrup closer to the side edge of the car. There are also right hand and left hand stirrup steps. Insert mounting pins in drilled holes and glue in place.

Stirrup steps bent to shape



Walkway group of parts as packaged



Stanchion 'assemblies' as packaged

