

Plano Model Products #10961 - ACF cf3510 Phase III Cylindrical Covered Hopper Walkway Kit - Atlas Car

The parts in this kit are designed to convert the Atlas ACF Cylindrical Hopper to a phase III car with thirteen roofwalk supports per side. Some of these supports have a wider support area than the others. These instructions are written assuming you are working on car in kit form. If the car is already assembled, care will be needed to disassemble the plastic roofwalk. Try not to destroy the plastic walkway as you may need to refer to it from time to time as a reference as to how new parts should look or be attached.

The first thing you will need to do is fill all the roofwalk mounting holes in the roof. You could either use small pieces of styrene glued into the holes, chopped off and smooth with roof surface. OR, you could glue the plastic roofwalk in place and then chop all the legs off even with the roof. A smooth-flush-even roof will be best for adding these parts.

Now it is time to start drilling new holes in the roof for the new brass supports. Cut the supplied drill template on the outline of the template. Align the long edges of the template with the edge of the curved roof where it flattens out to the stiffener lip. The ends should be even with the ends of the roof. Tape in place to hold in place. Use the supplied T pin to mark a drill pilot point in each of the "+" tick marks on the template. Once all are marked, remove template and drill a #78 hole in each pilot point. The holes should be drilled perpendicular to the roof at each point.

On the template you should have noticed there is a "1" and a "2" between each set of tick marks. These numbers signify which brass support to use where. Supports BRS-1 in #1 hole pairs and BRS-2 in #2 hole pairs. Refer to fret drawing on back for which is which.

There are two slightly different ways to form these supports and also there is a left hand and right hand to these supports (so is that four ways to form them?) Using the BRS-1 forming illustration, bend half (7) of the BRS-1s as shown and the other half (7) the opposite direction. The BRS-2 supports are a little trickier and require a double fold. The illustration on the back will explain the process. Just remember that half (6) fold in the opposite directions. A couple of each extras provided for trial and error cases.

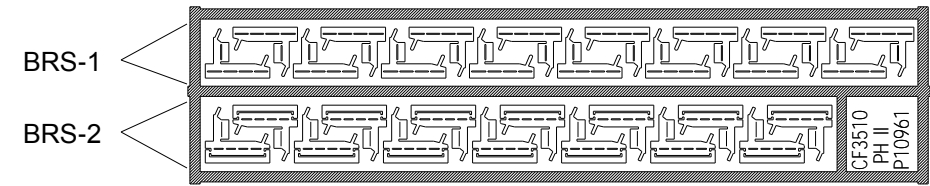
Once all the supports are formed and ready to install, using the numbers on the template, start on the A end and install appropriate support with them pointing to the B end (small leg bend pointing to B end) Except the final B end support, each side, points to A end. Use CA glue to hold supports in place.

Next you will need to build a new end support framework to hold the end of the walkway. Using the supplied .040 X .020 styrene, cut two pieces to a length of 1.125" and four to a length of .625". The first two pieces (one each end) are to be glued to top - outside edge of the side ladders. The four shorter pieces (two each end) glue to the top of the end framework, the cross bar you just added, against the end of the first support (BRS-1) and about .875" apart. Cement in place. (refer to plastic walkway for additional clarifications).

Touch up paint if needed and allow to dry.

Finally it is time to add the new walkway. There is a top and bottom to this walkway. On one side you will find small half etch lines representing the break between walkway panels. These lines face up. Position walkway on car, square up and glue in place using Canopy glue. Work from one end to the other gluing to one set of supports at a time and allowing to dry.

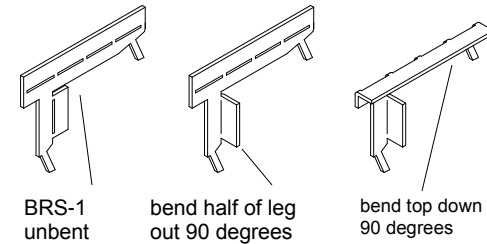
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brass support shown flat as shipped - discard shaded fret

Supports BRS-1

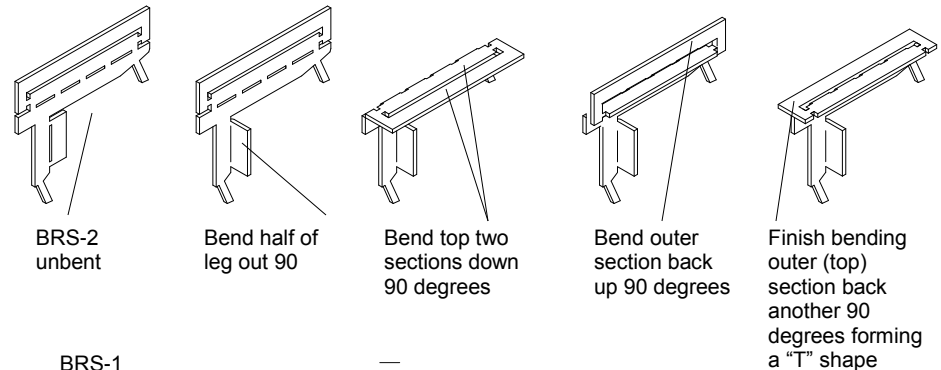
Bend half (7) as shown for right hand side of roof. Bend other half (7) in the opposite direction.



BRS-1 unbent bend half of leg out 90 degrees bend top down 90 degrees

Supports BRS-2

Bend half (6) as shown for right hand side of roof. Bend other half (6) in the opposite direction.



BRS-2 unbent Bend half of leg out 90 Bend top two sections down 90 degrees Bend outer section back up 90 degrees Finish bending outer (top) section back another 90 degrees forming a "T" shape

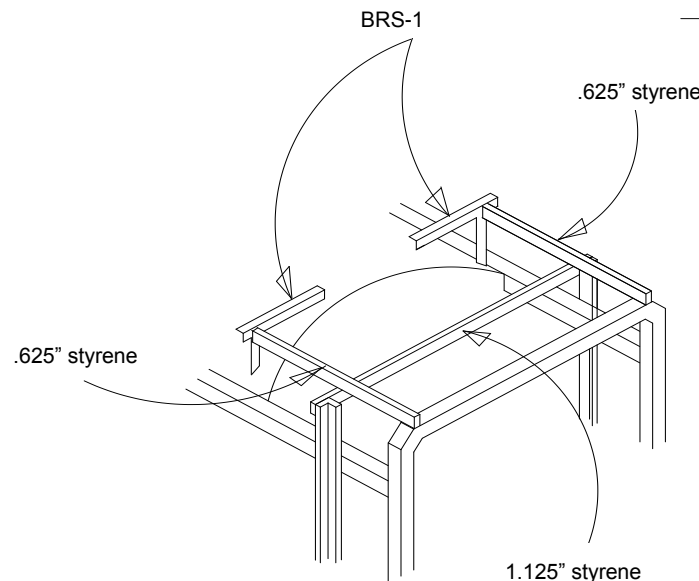


Illustration showing new end frames made from supplied .020" X .040"

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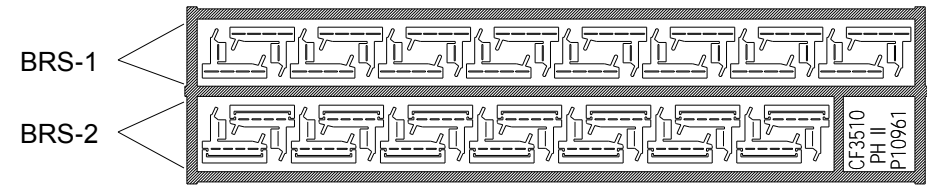
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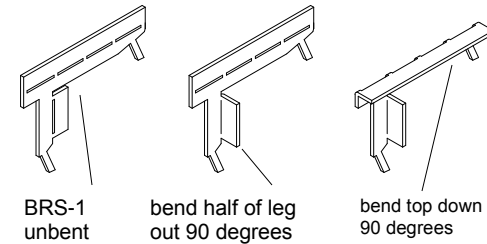
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brass support shown flat as shipped - discard shaded fret

Supports BRS-1

Bend half (7) as shown for right hand side of roof. Bend other half (7) in the opposite direction.



Supports BRS-2

Bend half (6) as shown for right hand side of roof. Bend other half (6) in the opposite direction.

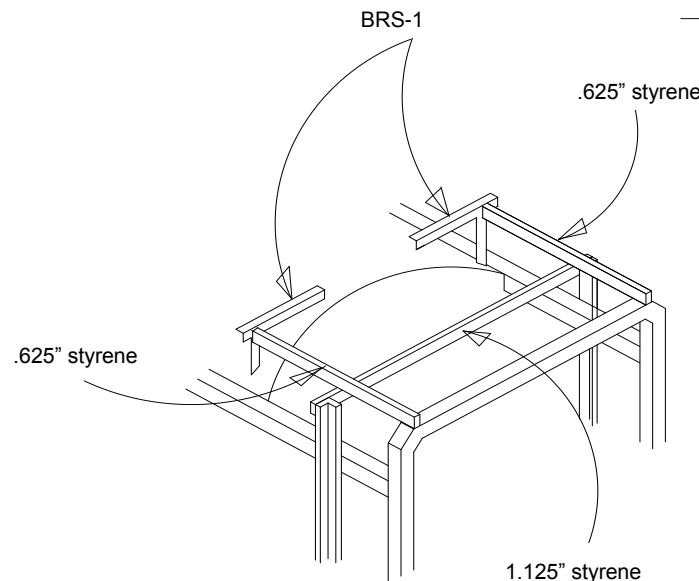
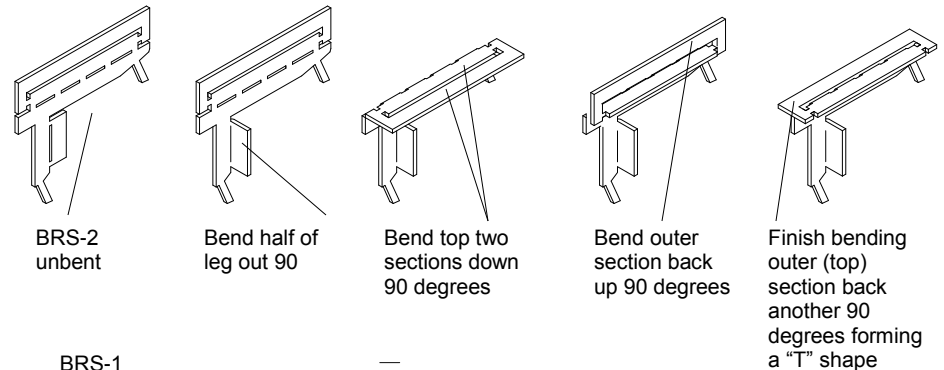


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