INSTRUCTIONS FOR ADDING PLANO MODEL PRODUCTS WALKWAY KIT #11550 TO ATHEARN'S HUSKY STACK CONTAINER CAR

Before starting to build car, please read through instructions completely (both ours and Athearn's) and become familiar with them. The better you understand the instructions, the easier the assembly process will go.

The brass parts in this kit are designed to replace some of the molded on details with the exception of the grab iron uprights. We will mark these steps as optional (*Opt.*) and allow you to decide to what degree of detailing you wish to do.

For additional prototype information on Gunderson Husky Stacks, see the July 1992 issue of Railroad Model Craftsman and the January 1994 issue of Mainline. Also see the December 1996 issue of Model Railroading which has both prototype and modeling information.

All parts in this kit are tabbed together to keep them from being damaged or lost. We suggest not cutting them apart until needed. When you are instructed to use a part, trim to match illustrations (BR1 or ST1). When trimming brass parts apart, be careful not to destroy or damage the bending jig found on the edge of the parts. USE EXTREME CAUTION WHEN CUTTING PARTS APARTI THE MATERIALS USED IN THIS KIT CAN BE SHARP AND SMALL PIECES MAY FLY WHEN CUTTING APARTII WEAR EYE PROTECTIONI

Preparing Deck Surfaces

The first step will be to remove all of the rings around the original walkway mounting holes level with deck surface and the mounting rings on the bottom corners where the grab uprights (ladders) mount. Using the supplied .062" diameter styrene rod, glue a small piece in each hole in the decks. Be careful not to stick it in to far as weights will be flush against bottom of deck and you won't want the 'plugs' being pushed out later. After glue has dried, trim any excess on the top side so you have a smooth, flat deck. Be careful NOT to plug the holes for the air tank and triple valve.

(Opt) Remove molded on load guides, locator boxes, lift rings and side platform risers from body. Sand or file surface smooth.

Drilling holes for new walkways and parts

Cut out paper drill templates on solid lines and fold on the dotted lines. (We also have a brass drill template set #174 that can be used instead of these paper templates. If you don't like these paper templates or plan to do more than one car, the brass templates are the ticket.) If you are not replacing the Side Load Guides or Lift Rings, trim template to fit around those items. Tape template to the appropriate deck end. Corners should line up and edges should be even. The template marked "Coupler Platform Template" has two lines up the middle of it. These lines should be cut part way up to allow the template to lay down into the area above the coupler. Using the supplied "T" pin, press a drill pilot point in the center of each "+" and "x" on the templates. The "x" symbols holes will only be drilled if using the "OPTIONAL" details on the car. Remove templates and drill a #78 hole in each drill pilot point. Repeat until all four walkway decks are drilled.

Adding of new brass details

(Opt.) Adding of brass details will begin by first bending the four locator boxes to shape. Look closely at both sides. On one side you should see small "score" lines where bends are to be made. These are the *INSIDE* of the bends. Using a pair of tweezers and follow diagrams A1-A4, Carefully bend to shape. Diagram A1 shows flat part with scorelines up. Now, bend both sides in 90 degrees (A2) - bottom in (up) 90 degrees (A3) - back up 90 degrees (A4-a) - fronts top section back to match the slope of the sides (A4-b). Add a small dab of CA to the inside corners to help keep the box in shape. Once the locator boxes are bent to shape, liquid cement them to the top surface where the old boxes were. Be careful not to cover the holes drilled for the walkways. Box may overhang into the well slightly. Allow the cement to fill up into the holes in the bottom of the box for extra holding strength.

(Opt.) Now bend the 40ft. Container Side Load Guides to shape (See Diagram B). At the score lines, bend each side in 90 degrees (B2) and





top part of the front, back until it matches the slope of the sides (B3). Place the g u i d e s in the appropriately drilled holes & CA in place. The load guides with a square section missing from their sides go on the brake line side of the car.

(Opt.) Install and CA brass lift rings in holes drilled in corners of main body. Angled edge of lift ring points down.

The coupler end corner grab uprights are now to be formed and installed (See View C). There are a couple of things to note. First, there are etched on grab irons and holes to add wire grab irons. IF you prefer wire grab irons, the etched on grabs should be removed before forming the

stanchions. Otherwise, form the stanchions as follows. Look closely at both sides of the part. On one side you should see half etched (and slotted) lines dividing the stanchions in half. These are the inside of the bends. Carefully, using a pair of tweezers and small needle nose pliers, bend (fold) the stanchion 90 degrees to form a angle iron shape. Bend the other post as well. IF you retained the grab irons, bend them out 90 degrees, away from each other.







Stanchion in unbent Bend both sides form - bend at etch in 90 degrees lines

des Bend grab handles out 90 degrees and pins in 90 degrees

Remove grab h a n d l e s i f desired

The two small mounting pins in the center of the upright should be bent out 90 degrees in the opposite direction of the angle iron shape. Glue these pins to the bottom side of the car so the flat side of the upright is flush against the side of draft gear. Using supplied .015" X .100" styrene, cut to .300" in length and liquid cement to bottom of draft gear covering upright pins - sandwiching them in place.

Add grab irons (not supplied with kit - use A-Line or Detail Associates formed grabs) to holes in uprights. Trim them to a length of about 1/16 inch and CA into the holes on the upright. One in each post and one across the bottom of each upright.





A and B ends Corner Stanchions



To form the stirrup steps (see Diagram D), line up one end of a stirrup (NOT the end of the mounting pin) even with the edge of the bending jig. Hold them together with a pair of tweezers and bend the other end down 90 degrees (D2). Place the bent leg in the small slot on the jig with long leg of stirrup laying on long section of jig. Holding them together, bend other leg down 90 degrees (D3). Before you can put the stirrups on the car, you will need to drill new #78 holes for them in the styrene "Sandwich" on the bottom side. These holes should be about 1/16 inch in from edge and about 1/4 inch apart (like the bending jig). Place stirrup in holes and CA in place. Repeat for the three remaining corners.

Except for the brake wheel stand, add remaining Athearn details to car, add any other details you may desire and paint the car your prototypes color or touch up paint if working with a factory decorated car.

Adding New Stainless Platforms

The main instructions on the replacement stainless walkways, which applies to most of them, are: Look closely at both sides. On one side you should see small score lines where the legs meet the walkways. *THESE LINES ARE THE INSIDE OF THE BEND!* Using a pair of tweezers, bend the legs down 90 degrees. USE EXTREME CARE in making these bends. This stainless material is not forgiving when bending. If you bend it too much or the wrong way, the legs may break off. Please go slowly and carefully. Once all the legs are bent, use plastic walkways as a reference guide, place new walkways in their appropriately drilled holes and CA in place.

EXTRA extra care must be used on the well side platforms (#5). Notice, the legs on one side are longer than those on the other side and the longer legs are divided into two sections. First, bend the short legs down 90 degrees. Next, bend the entire long leg down about 120

degrees so it angles back toward the short leg. Now bend the end section of the long leg up so it is perpendicular with the short leg. Adjust so end of long leg meets the end of the short leg (not the bottom of mounting pin). From the end view it should resemble Diagram E. Place one of the mounting pins in the hole next to the locator box, the other two mounting pins against the inside edge of the well and the bottom of the long legs to the top of the well side. Adjust side platform so it is level and CA in place.



After Coupler End Platforms (#1) are installed, attach brake wheel stand in appropriate location. When brake wheel stand is firmly attached, turn car over and position one of the new platform supports on the bottom of the brake wheel stand as illustrated in the drawing. Slide support up so the end 'wings' rest against the grab uprights. When centered, CA to the bottom of the brake wheel stand. Turn car right



side up, and CA 'wings' to uprights so they are level, Cut .020 X .030 styrene to the same length of each wing and cement to top of each wing of the support. Touch up paint. Insert Step Up Platforms (#2) in drilled holes on end of car and cement to top of new support when platforms are level. Touch up paint.

The step up platforms for the A end of the car install a little differently. First cut a piece of the supplied .020 X .030 to 1.312" (the length of the platform support added on B end). Insert Step Up Platforms (#2) in drilled holes. Slide styrene strip under the platforms center against uprights. Adjust until platforms are level and CA every thing in place. Touch up paint.

After all of the walkways are installed, the legs of the walkways should be touched up with paint to match the color of the car. Decal, weather if desired, over spray with a flat clear, add trucks and couplers and set on the ready track for use.

This should complete your Plano Model Products detailed Athearn Husky Stack. We hope you enjoyed adding our walkways to your car. Please see your local hobby dealer for all our photo-etched details or visit our web site at,

www.planomodelproducts.com

Thank you and Happy Modeling!



Stainless Steel Walkway Parts Identifier / Illustration ST1



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