Plano Model Products #11510
Walkways and Details for A-Line's Husky Stack Container Car

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

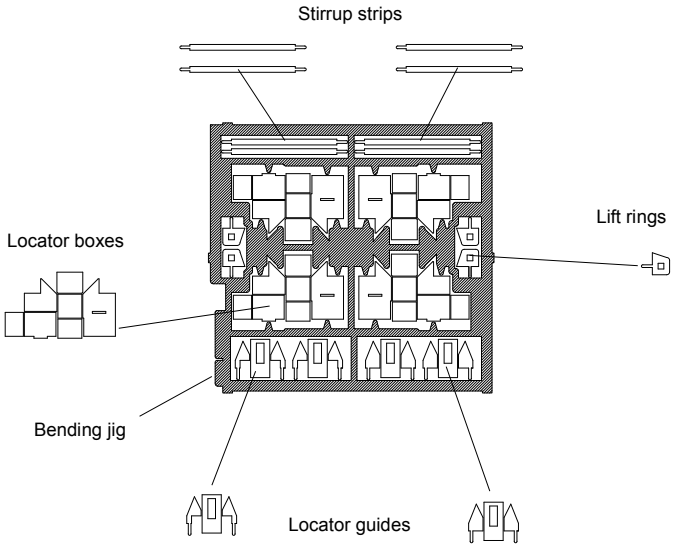
For additional prototype information on Gunderson Husky Stack Cars, see the July 1992 issue of Railroad Model Craftsman and January 1994 issue of Mainline. Also see the February 1994 and July 1997 issues of Model Railroading which contains both modeling and prototype information.

All parts in this kit are tabbed together to keep parts from being damaged or lost. We suggest not cutting them apart until needed. When you are instructed to use part, trim them to match illustrations (BR1 or ST1). When trimming brass parts, be careful not to destroy or damage the bending jig found on the edge of the parts. A-Line part numbers have been reused on the walkways for better cross-reference. ***USE EXTREME CAUTION WHEN CUTTING PARTS APART! THE MATERIALS USED IN THIS KIT CAN BE SHARP AND SMALL PIECES MAY FLY WHEN CUTTING APART!! WEAR EYE PROTECTION!!***

The first step will be to fill the molded in holes on the car where the plastic walkways would be installed. Open the holes slightly with a #66 drill bit. Using the supplied .035" styrene rod, fill each hole with a small piece of the rod and cement in place. Be careful NOT to plug the holes for the air tank and triple valve. After the cement has dried, trim any excess of the rod so the deck is smooth. Also trim excess from bottom of decks.

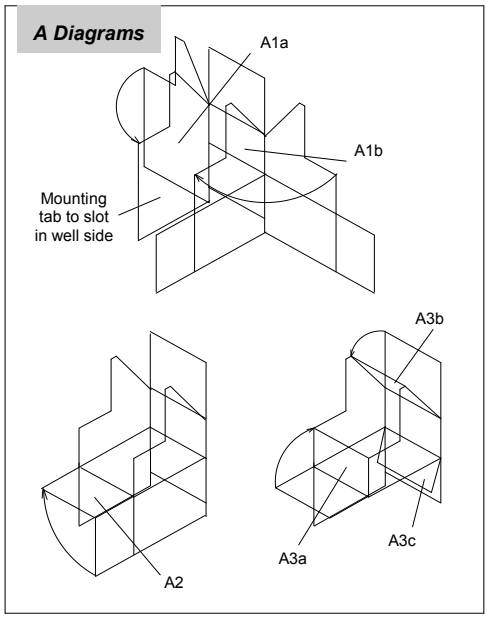
Cut out paper drill templates on solid lines and fold them on the dotted lines. (We also have a brass drill template set #175 that can be used instead of the paper templates. If you don't like the paper templates or plan to detail more than one model, the brass templates are the ticket.) Tape template to the appropriate deck. Corners should line up and edges should be even. Using the supplied "T" pin, press a drill pilot point in the center of each "+", "*" and/or "x" on the templates with the following exceptions. The "x" symbols holes will only be drilled on the "A" end of the car and the CIRCLED "+" symbols will only be drilled on the "B" end of the car. The "*" symbols will be on the edge of the shell and must be drilled in at an angle of about 30 degrees (from vertical). Remove templates and drill a #78 hole in each of the drill pilot points. Repeat until all four walkway decks are drilled.

Begin assembling car by following Steps 1 and 2 of the A-Line instructions.

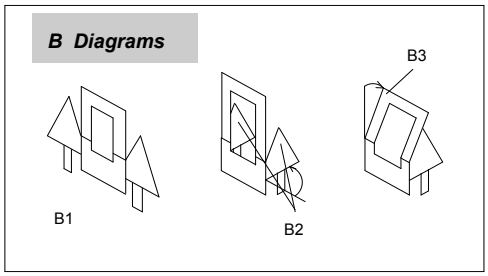


Brass Parts Identifier \ Illustration BR1

Adding of brass details will begin by first bending the four locator boxes/ guides 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 'A Diagrams', carefully bend to shape. Bend both sides in 90 degrees (A1a&b) - bottom in (up) 90 degrees (A2)(tab on bottom locks into slot on side) - back up 90 degrees (A3a) - front top section back to match the slope of the sides



(A3b) - front bottom section back slightly to prevent container from catching on locator guide (A3c). Add a small dab of CA to the slot in the side to help keep the box in shape. Keep in mind there are two left hand and two right hand locator guides. Once the locator guides are bent to shape, liquid cement them to the indentations on the inside of the well of the car. Glue a small piece of the .015 X .100 styrene (about .200") to the location in the well where the locator box/ guide is cemented to the car creating a sandwich affect. An equal amount on the car and the guide should give extra strength so the guide will not easily be knocked loose.

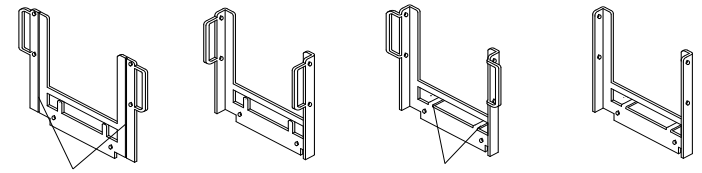


Now bend the forty foot container load guides to shape (See B Diagrams). At the score lines, bend each side in 90 degrees (B2) and top part of the front, back until it matches the slope of the sides (B3). Place the guides in their appropriately drilled holes & CA in place. The load guides with a square section missing from their sides go on the brake line side of the car.

Install and CA brass lift rings in holes drilled in corners of main body. Angled section of lift rings face down.

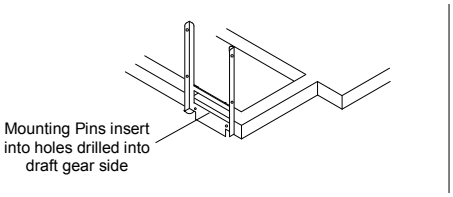
The corner grab uprights are now to be formed and installed (See C Diagram). There are a couple of things to note. First, there are etched on grab irons and holes to add wire grab irons. IF you prefer wire grab irons, the etched on grabs should be removed before forming the stanchions. Otherwise, form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

C Diagrams



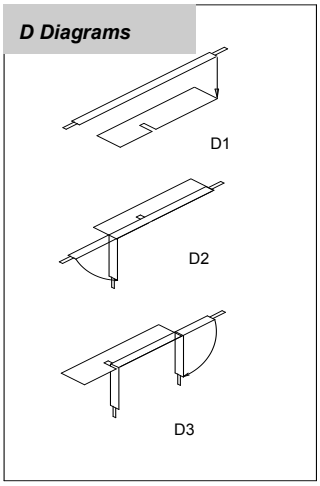
Stanchion in unbent form - bend at etch | Bend both sides in 90 degrees | Bend grab handles out 90 degrees and pins in 90 degrees | Remove grab handles if desired

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. CA these pins in the holes on the side of the draft gear. You may need to square up the side of the draft gear with a file as these uprights need to be perpendicular with the walkways. Add grab irons (not supplied with



kit - use A-Line or Detail Associates formed grabs) to holes in uprights if you chose that option. 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 upright.

D Diagrams



To form the stirrup steps (see D Diagrams), 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 put your stirrups in the holes on the bottom of the draft gear, trim the mounting pins so their length is about one half the thickness of the draft gear. The stirrups will be sharing these holes with the walkways on top. Once trimmed, place in holes and CA in place.

Continue following the A-Line instructions steps 9 through 14 except for the walkways. Add any additional details you plan to add and paint car.

Adding New Walkways

The main instructions on these 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 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, place in their appropriately drilled holes and CA in place.

EXTRA extra care must be used on the side well walkways (part 16). Notice, the legs on one side are slightly longer than those on the other side. First, bend the short legs down 90 degrees. Next, bend the long legs down about 120 degrees so it angles back toward the short leg. Place mounting pins in holes starting with angled legs then inserting pins of short legs and check alignment. If you need to make any adjustments, do them carefully so you don't break the legs off. When satisfied, CA in place.

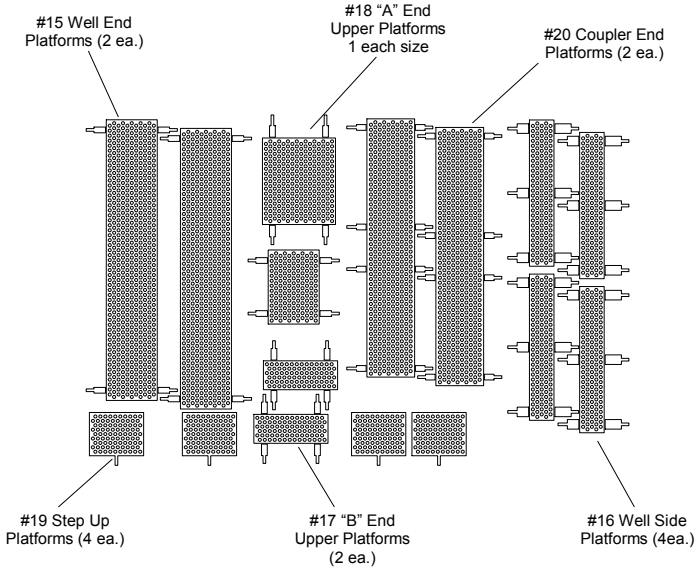
After all of the walkways are installed, proceed with the remainder of the of the A-Line instructions. The legs of the walkways should be touched up with paint to match the color of the car.

This should complete your Plano Model Products detailed A-Line Husky Stack. We hope you enjoyed adding our walkways to your model. Please see your local hobby dealer for all our photoetched details or visit our web site at

www.planomodelproducts.com

Thank you and Happy Modeling from

Plano Model Products



Stainless Steel Walkway Identifier / Illustration ST1