



## 1955 TWA Moonliner Instructions

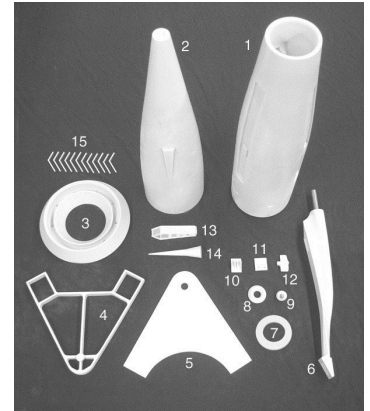
The 1955 TWA Moonliner is 39-inches tall, a 1:24 scale model kit of the ship that stood in Anaheim, CA. from 1955 to 1966.

See photo (#1) of the resin pieces included in the kit. Please verify that all these pieces are included in your kit. We have also included a pack of styrene rod, the 12 railing pieces, lengths of styrene tubing for the support rods for the 3 legs. Brass etch for the circumference of the inside of the Firing Ring Crater, a vacuformed piece for the cockpit window, a 6" length of copper wire, decals, and a color photo.

The quality of your model is dependent to the attention to detail you give to each step. We recommend that you start by cleaning up any flash on all the pieces, and by giving them a light sanding and a wiping down with soap and water or a liquid cleaner.

It is recommended that you first test fit parts before gluing—glue to clean, unpainted surfaces.

Let's get started!! 10, ..9, ...8, ...



### Parts list for TWA Moonliner Rocket

Resin parts (see photo #1) Note: Parts 4,5, 6, and 8 thru 11, get (3) each. #12 has (4). #15 as (12) shown.

1 pack (6 pieces) of 3/32" tube. Evergreen # 223

(2) 14" lengths of 3/16 tube. Evergreen #226

6" length of .039 copper wire.

(1) Vacuformed cockpit window

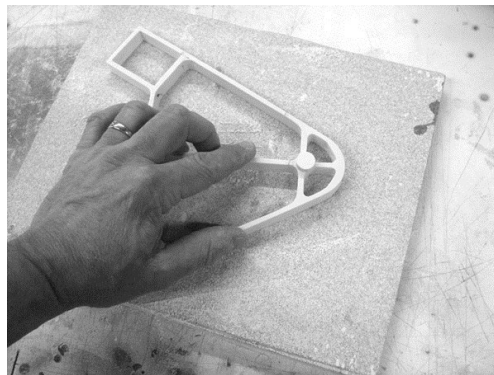
(1) sheet (fret) of brass etch

Printed sheet – "TWA Moonliner Railing Jig"

Printed sheet – "Painting template"

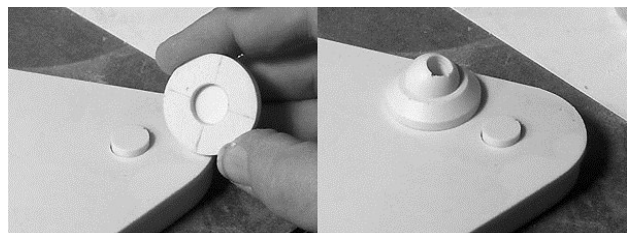
Decals

Color Photo



### MOONLINER BASE.

Glue the three triangular base support pieces (#4) together. Use filler to smooth joints. Glue the top pieces (#5) on to the base support. Use filler to smooth the joints.



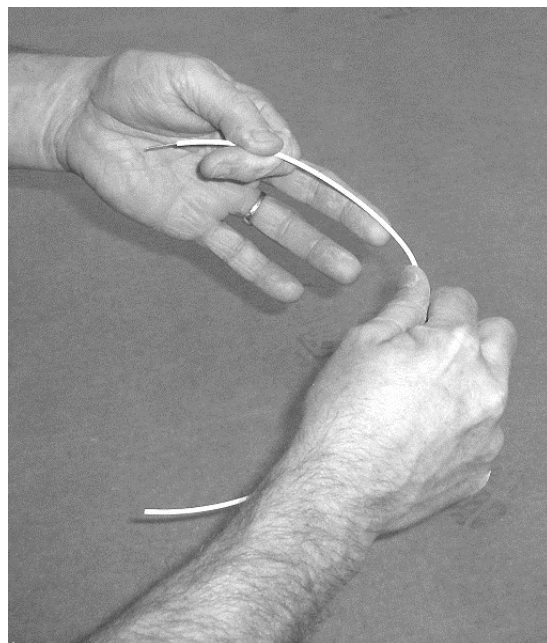
## THE MOONLINER CRATER RAILING.

It is best that you build the Firing Ring Crater (#3) separately, and add it later to the base.

Drill a .10" diameter hole, 1/4" in depth (use a depth gage, tape works good) in each of the dimples on the side of the crater. Find the casted piece of the 12 railing posts (#15). See attached "TWA Moonliner Railing Jig" diagram. Sand the first 1/8" of the "square" rod making the end into a "round" rod in order for them to be inserted into the base. Do this on the longer length of the post

Insert, (DO NOT GLUE) the 12 posts into the holes that were drilled into the side of the crater. It is important that the railing holes are evenly inserted in the crater for an even and level railing.

Bend the 3/32" (#223) tube into half circles (See photo #2). Find the 6" piece of copper wire and cut off 2 of 1" lengths. Insert about half of the wire into the hole of one of the curved styrene tubes along with some CA (Cyanoacrylate) glue. Insert and glue the remaining piece of wire into another curved piece styrene tube to create the length of the first rail. Tape the sheet: "TWA Moonliner Railing Jig" down to a table or board. Then tape this first railing at the glued joint to the "TWA Moonliner Railing Jig" beginning at one of the post positions. Continue to tape the railing down to the "TWA Moonliner Railing Jig" sheet, contouring the shape of the 8" railing, until the 2 ends meet. Cut off the excess at both ends and affix them together with another 1" length of wire and some CA. Follow the size of the drawing carefully. It is especially important that the (2) 8" rings are as close to the same size as possible. It is very helpful to mark the railings with a pencil mark at the 12 post divisions while they are taped down. This helps when positioning and gluing the railing to the posts.



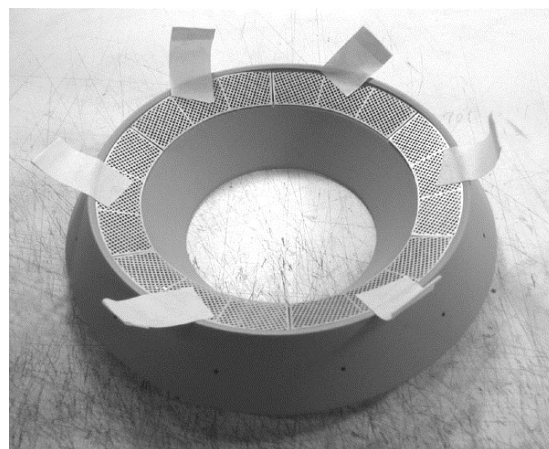
Repeat this for the other 8" railing and for the 7.125" railing. After you have attached the first 8" ring, flip the crater over with the first railing attached to it up-side-down. This will help in the gluing process for the next two by stabilizing it, and help maintain some accuracy for the new railings.

After the 3 railings are fastened to the 12 posts it is recommended go back and re-glue any connections that seem "weak" so that you can "gently" pull out the finished railing and posts from the crater. This will allow for painting of the railing (silver) without masking. Prep and paint the crater (#3) the same color you painted the base.

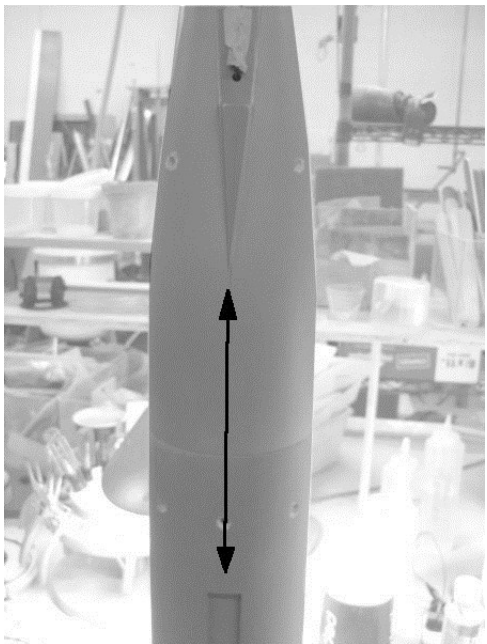
## THE MOONLINER CRATER GRILL

Find the brass etched fret and lightly sand it on both sides. Cut apart the 6 pieces. Slightly bend them inwards so that they match the curvature of the landing inside the crater. Clean, prime, and paint them silver on one side only. Test fit them before gluing. See photo (#3)

You can now install the painted railing to the Firing Crater. The railing does not need to be glued into the Firing Crater, but be careful of scuffing the paint outside of the crater with the ends of the posts as you insert them. Some (de-tacked) masking tape just above the holes helps protect the paint in this process.



## MOONLINER FUSELAGE.

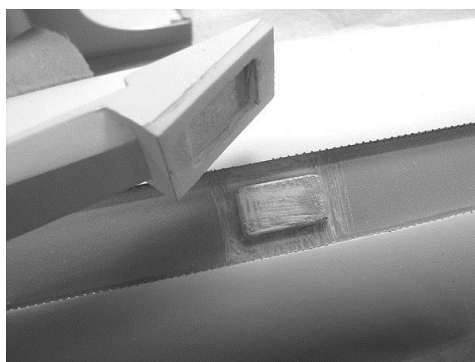
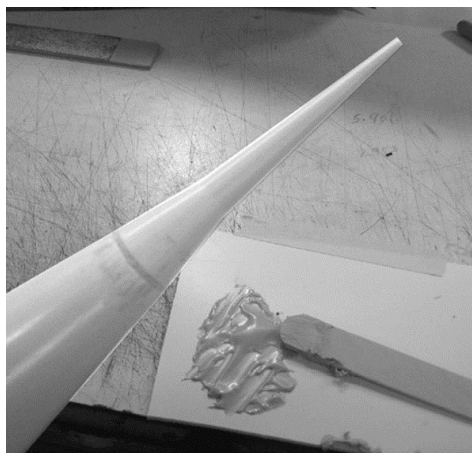


The fuselage consists of the two large castings (#1 & #2). Clean parts and glue together so that the cockpit and one of the leg indentations are in line with each other. (See side photo). Glue the nosecone to the tip of the fuselage. (see photo right) You may need to add a bit of spacing in between the nosecone and fuselage to create a

smooth transition between the two. Use filler to smooth the joints.

Prep the clear windshield part and fit inside the cockpit.

Prep and paint the cockpit (white) before installing the windshield (this helps in the final painting/masking). Glue fin-



## MOONLINER COLORS.

Cut out the attached template on the dotted lines to make the painting template for the top of the Moonliner. Wrap the template around an edge of a table to give it the needed curvature. Affix the template to the nosecone and lightly draw the line in pencil. Remove template and mask off for painting. Also refer to the color photo, and photo (# 6) for details on the landing legs and bottom painting.

The tip (#14) of the Moonliner is silver.

The Landing feet (#8 & 9) are silver.

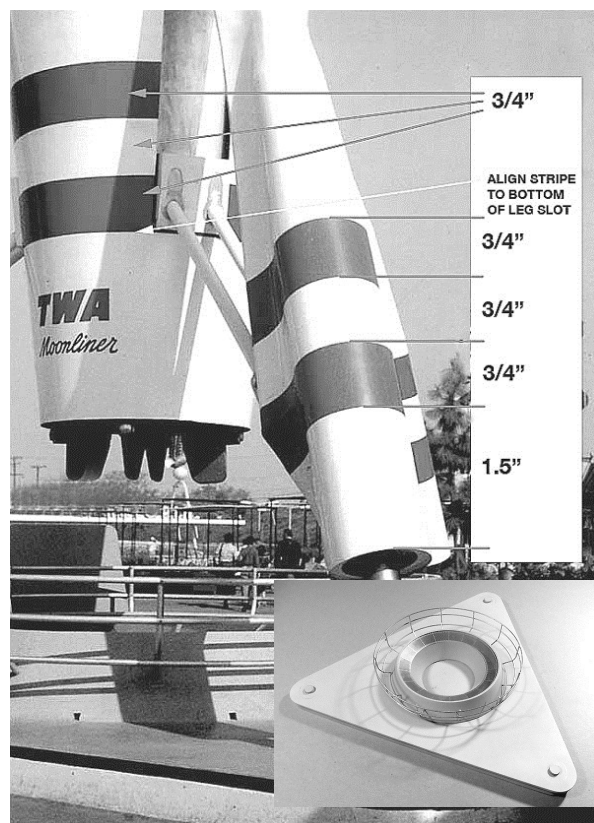
The Landing Leg Hinges (#10, & 11) are silver.

The styrene tube 3/16" dia. cut to the length of 4.25" (6) - (Landing Leg Supports) are white.

Inside the Landing Leg cavity is grey or silver.

Thruster Fins (#12) and ring (#7) are flat black. See photo (#7)

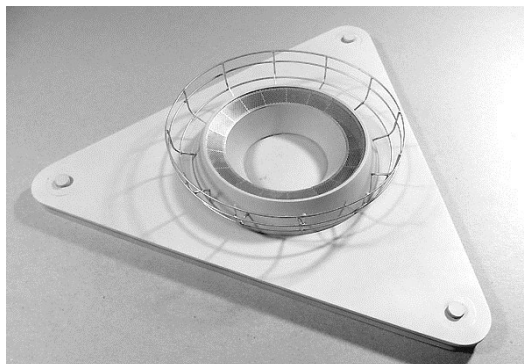
Windows are black or dark blue.





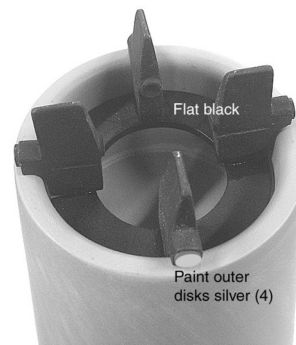
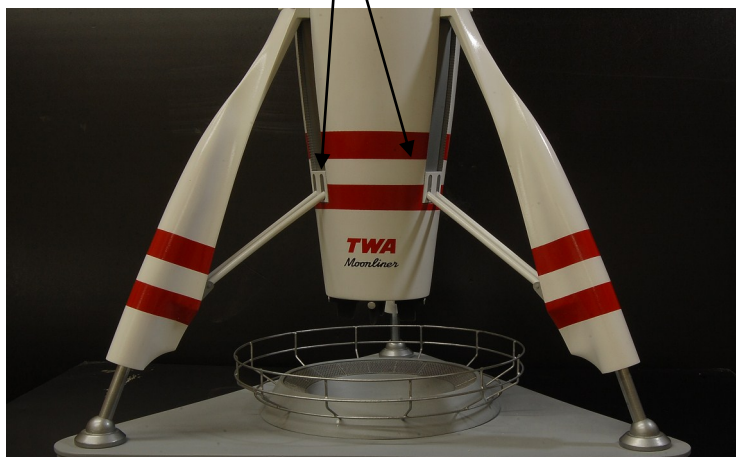
## FINAL ASSEMBLY

Glue the Firing Crater in place upon the base. See photo (#8) and glue the 4 fins into the position shown. Paint, and install into bottom opening of Moonliner. Glue the 3 legs with the feet pieces in the crater base. At this point you will have the 3 legs standing upright minus the Moonliner fuselage.



Carefully bring into position the Moonliner fuselage in contact with the legs and tape them to the body. One at a time, remove the tape and final glue each leg into position. Don't forget to give the glued pieces a clean place to adhere to.

The landing leg hinges and supports can be installed at this time. See photo below for position. Install the 6 leg supports, 2 for each leg.



## THE MOONLINER DECALS.

Supplied are a set of decals. Use the color photo for reference as to the placement of these decals.

