

# aries passenger cabin graphics

## lunar shuttle 1B



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### INTRODUCTION

Thank you for purchasing ParaGrafix's passenger cabin graphics for the Aries 1B Lunar Shuttle kit from Moebius Models.

Most of these graphics are easy to use for anyone familiar with kit assembly. Some of the backlight films, though, require modifications to the kit and are intended for modelers with some scratch building / modifying skills. These parts are specifically called out in the instructions using the "Über-detailing" icon shown at right.

### TOOLS & MATERIALS

In addition to standard hobby tools, you will need a super-sharp knife or scissors plus a clear-drying adhesive for the backlight films. We suggest either Micro Krystal Klear or Testors Clear Parts Adhesive and Window Maker for attaching the backlight films. Your favorite decal solvent and/or setting solution will also come in handy.

### TIPS

The backlight films for the TV screens, zero-gravity toilet instructions, and "weightless condition" signage are provided with thick, black borders. We suggest you retain the black border when cutting these out to provide sufficient space for proper gluing ... as well as giving some "play" for positioning the images properly.

Please see the decal instructions on the last page of this instruction manual. NOTE that these decals are coated with Testors Clear Gloss. If you overspray the decals with another clear coat, please be sure it is compatible with the Testors clear.

Some decals also include black borders and crop marks for trimming. Trim to the size indicated by the crop marks.

### Key

Kit part (plastic): **1**

Decal: **1**

Backlight Film: **A**



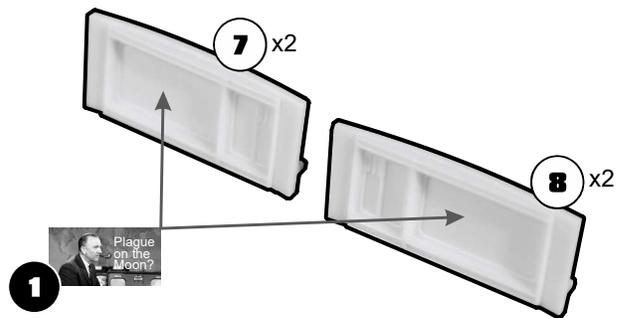
Über-detailing Icon

### TV SCREENS

#### UNLIT USING DECALS

Repeat for Each TV – 4 total

Apply the chosen decals (1) to the screen areas of kit parts 7 and 8.

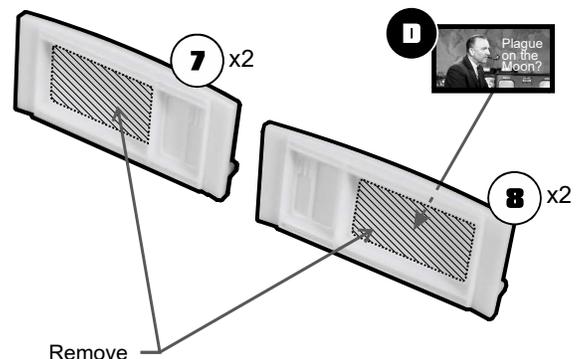
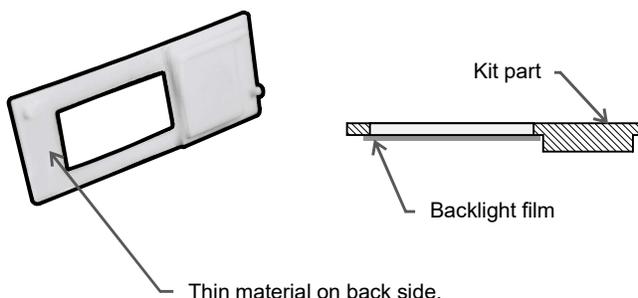


#### LIT USING FILMS

Repeat for Each TV – 4 total

Remove the plastic from the TV screens using your favorite method, and thin the plastic on the backside so that the films aren't set terribly deep into the part.

Adhere the chosen films (D) to the backside of the kit parts 7 and 8.

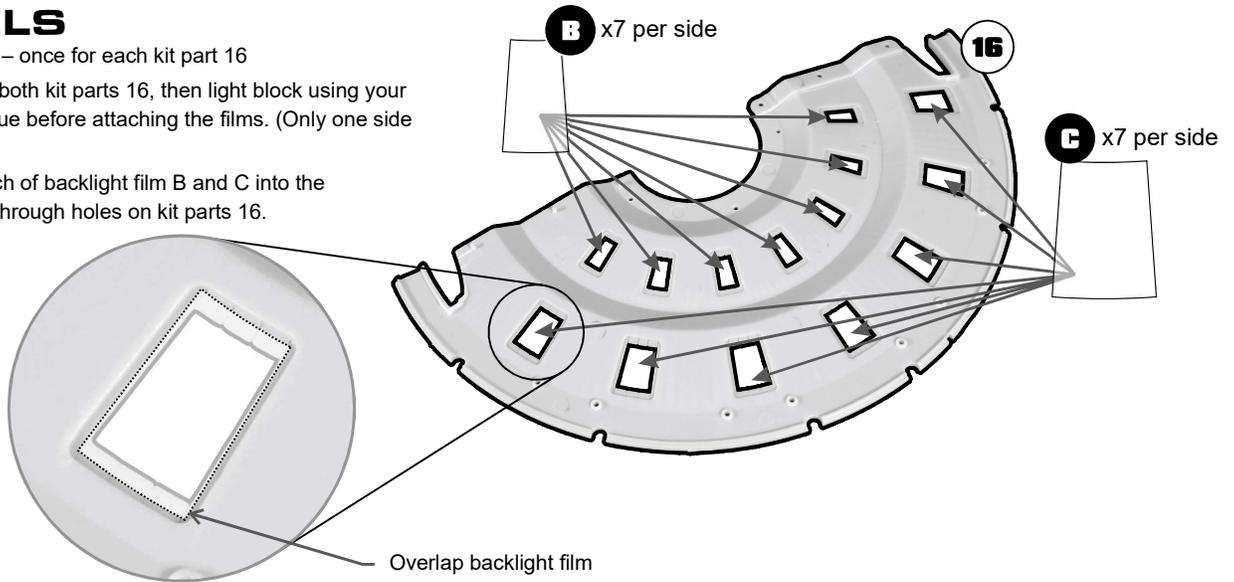


## CEILING LIGHT PANELS

Repeat 2 times – once for each kit part 16

**TIP:** Assemble both kit parts 16, then light block using your favorite technique before attaching the films. (Only one side shown.)

Adhere one each of backlight film B and C into the corresponding through holes on kit parts 16.



## ZERO GRAVITY TOILET

Repeat 2 Times

### DOOR CONTROL DECALS

Remove the raised door controls and replace with decal 4.

### ZERO GRAVITY TOILET INSTRUCTIONS – USING DECALS

#### No Kit Modifications Method

Simply use ParaGrafix decal 2 in place of kit decal 7.



#### Accurate Aspect Ratio Version

The flat area for the zero gravity toilet instructions is shorter and wider than the films instructions. ParaGrafix decal number 3 is made with the correct aspect ratio, making it taller than the flat decal area on kit part 9. For our decal to fit, you will need to enlarge the flat display area on the door to a height of 0.36" (9.1mm).

Attach ParaGrafix decal 3 in place of kit decal 7.

### ZERO GRAVITY TOILET INSTRUCTIONS – USING BACKLIGHT FILMS

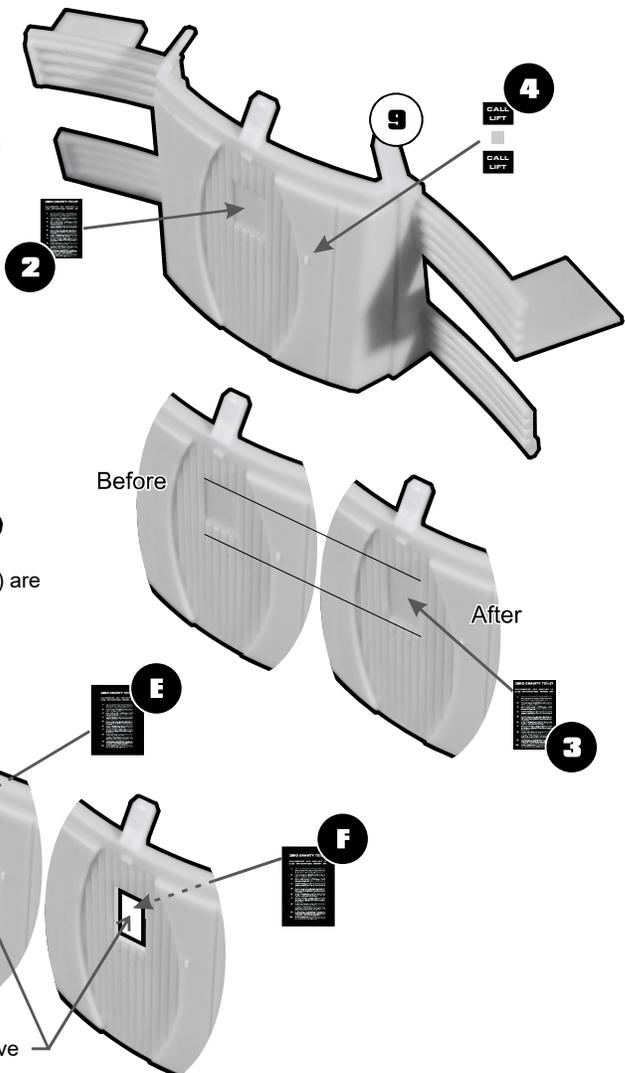
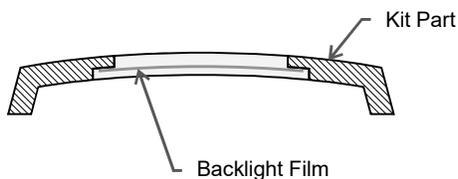
Both versions of the toilet instructions (original size and corrected, taller size) are installed the same way. The only difference is how tall an opening is cut.

#### Modify the Kit Part

Remove the toilet instructions area and thin out behind the signage area.

**TIP:** For greatest accuracy, use backlight film F and open up the instructions hole to a height of 0.36" (9.1mm)

Attach the chosen backlight film behind kit part 9.

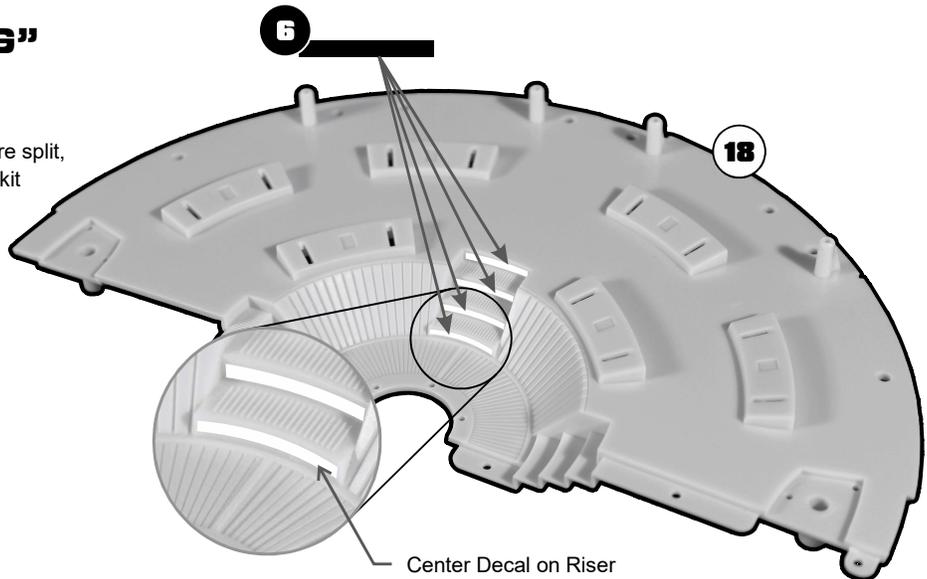


## STAIR "LIGHTING" DECALS

Repeat Shown 4 Times

**TIP:** Since the two centerline sets of stairs are split, you will need to assemble and paint the two kit parts 18 before applying these decals.

Apply decals 6 so that they are centered, both horizontally and vertically, on each stair riser. There are 4 decals for each set of stairs – one for each riser.

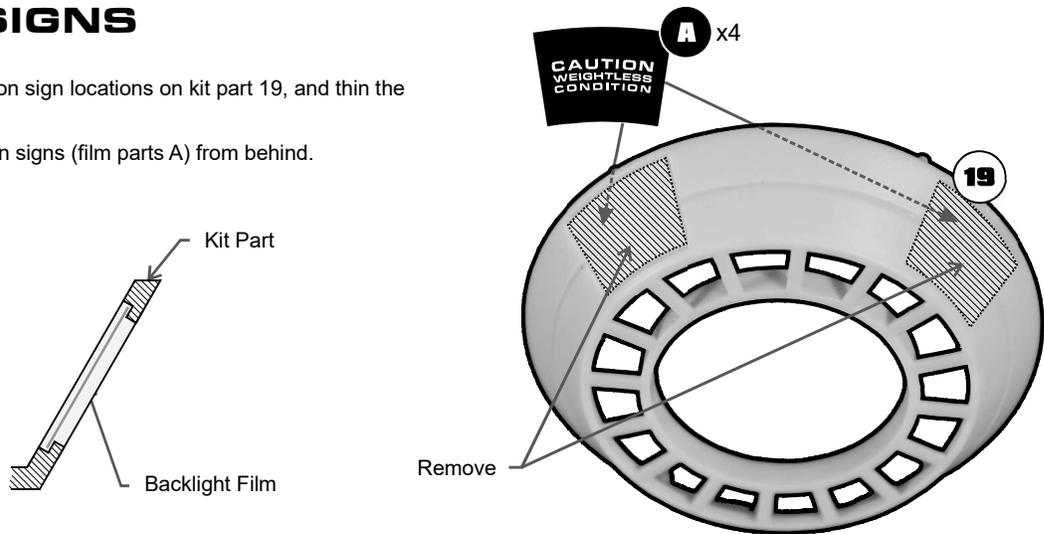


## CAUTION SIGNS

Repeat 4 Times

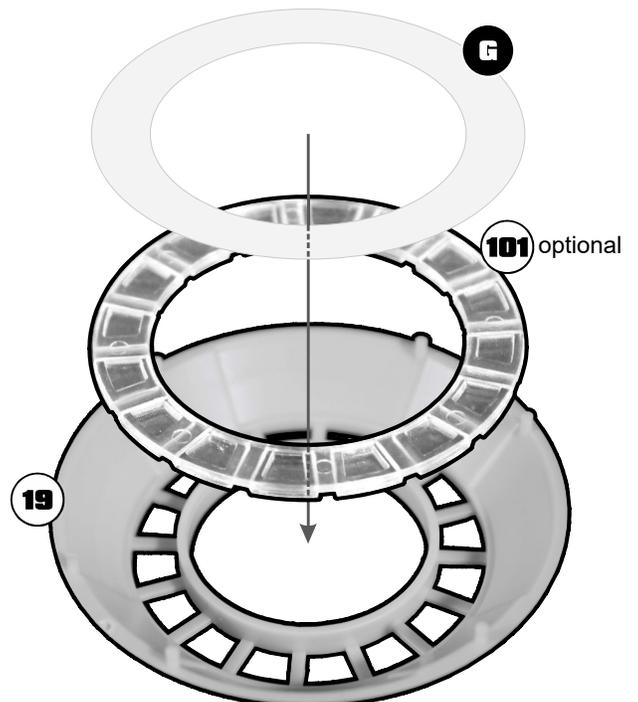
Cut out each of the four caution sign locations on kit part 19, and thin the area behind the openings.

Mount each of the four caution signs (film parts A) from behind.



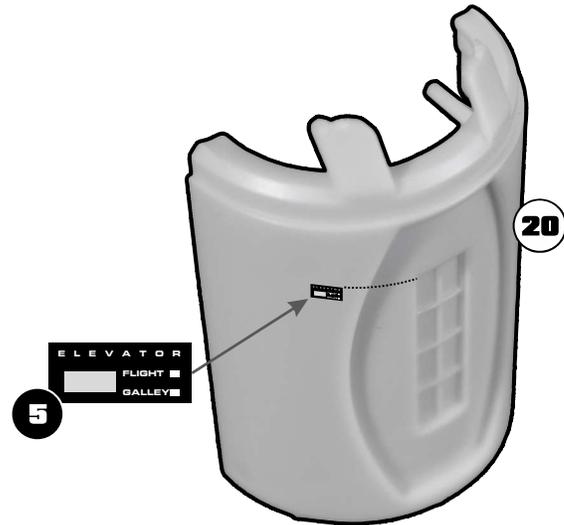
## ELEVATOR LIGHTING RING

**NOTE:** There is no lip inside kit part G to serve as a support for the film and hide cut edges. The wide black outline on the film is there to help hide the cut edges. Alternatively, you can mount the film behind kit part 101 to diffuse the light without the edges being visible.



## ELEVATOR CONTROLS

Apply decal 5 to the left-hand side of the elevator shaft (kit part 20) approximately level to the top edge of the highest light panel on the elevator door.



## Decal Instructions

### NOTES:

- Decals are best applied to a glossy surface. Apply over glossy paint, or spray a clear gloss before applying decals.
- Leaving decals in water too long can result in washing away the adhesive that's there to hold them in place. Leave the decal in the water ONLY until you see the blue backing start to change color.
- These decals have white bleed around all individual parts. Trim away the white either before application, or allow the decals to dry, then trim away the white border with a very sharp hobby knife.
- These decals have been coated with Testor's Clear Flat Lacquer. Do not use enamel based overcoats (such as Rustoleium or Krylon) as this can cause damage to the finish and decal.
- Tap water sometimes has impurities that can discolor decals. If you have hard water or experience discoloration, consider using bottled or distilled water when applying decals.
- Test your application and finishing techniques with an unused section of the decal sheet, such as the ParaGrafix logo.

### BEFORE APPLICATION:

- You may find moving your decal into its final position is easier if you add a "primer" to the surface. This can be any of the following: Microscale Micro Set (using the instructions on the bottle); a solution of equal parts white ("Elmer's") glue; the decal setting solution of your choice.
- Prepare a small dish of water.

### APPLICATION:

- Cut an individual decal from the main sheet using a very sharp hobby knife or scissors.
- Place the cut decal face down on a non-absorbant surface, such as a piece of glass, tile, or a dinner plate (that you will never be eating from again).
- Dip your finger into a bowl of water and dab the backside (paper) of the decal until it is evenly, but lightly, covered with water.
- Lift up the decal and as soon as it can be moved with a little finger pressure, transfer it to your model.
- Very carefully adjust the position of the decal using a damp cotton swab ("Q-Tip") or damp paper towel.
- If needed, apply a decal solvent (such as Microscale's Microl Sol) according to the manufacturer's instructions.
- Carefully press the decal down with a damp cotton swab, working from the center to remove any air bubbles and blotting up any excess water.

### AFTER APPLICATION

- Allow the decal to thoroughly dry (up to several hours depending on the humidity) before continuing. For best results, wait a day or more.
- Carefully trim any white bleed from around the decal.
- Coat the decal with the clear coat of your choice ... but NO enamel such as Rustolium or Krylon. Good choices are Testor's Clear Flat or Gloss Lacquer, or Future Floor Wax (known for the time being as Pledge Revive It Floor Gloss, though this is subject to change without notice). Multiple light coats are preferable to a single, heavy coat.



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Special thanks to Adam Johnson both for his 2001: The Lost Science books, which were a wealth of fantastic references, and for his help detailing items not covered in them, plus an extra-special thanks for providing two scans of original, film used artwork that were incorporated in this set.