

JUPITER 2™ Interior Photoetch Set

PGMS™
ParaGrafix™
Modeling Systems
Instructions V1.2



INTRODUCTION

Thank you for purchasing ParaGrafix's photoetch set for the Moebius Models 1:35 scale Jupiter 2 kit. Exact down to the last detail, this set is ideal for lighting* and includes translucent backlight overlays that even out lighting for the larger displays. In addition, we have included decals expertly printed by JT Graphics (jt-graphics.com) to bring out every switch and button.

* Electronics are not included.

Materials

In addition to the photoetch, you will also need scissors or a knife* to remove individual pieces from the main fret, a file to remove material left from cutting**, and super glue (aka CA or cyanoacrylate). We also recommend the use of a clear filler

* We prefer a #17 Xacto chisel blade.

** A diamond type file works best. Tamiya makes one especially for photoetch, though inexpensive alternatives are available.

Raised Detail

Each part of these instructions notes an area where the raised kit detail must be removed. This may be done in whatever way you are most comfortable: sanding, filing, chiseling. Note that in most cases the surface does not need to be perfectly smooth as the photoetched part will replace the "lost" kit detail.

Lighting Options

Unless otherwise noted, you can prep areas for lighting by removing plastic from areas where there are through holes in the photoetch. You can then backlight the photoetch. For best results, we suggest using Micro Kristal Klear from Microscale Industries (www.microscale.com) to fill the through holes. Even if you will not be lighting the pieces, use MKK to provide a level (or even slightly raised) surface for the decal.

Installation Parts Order

The installation order is entirely up to you. We do suggest, though, that only the photoetch be applied before painting the model. For best results, paint and apply decals before assembling the interior.

Decals

Please read the decal instructions on the back page.

Piloting Station

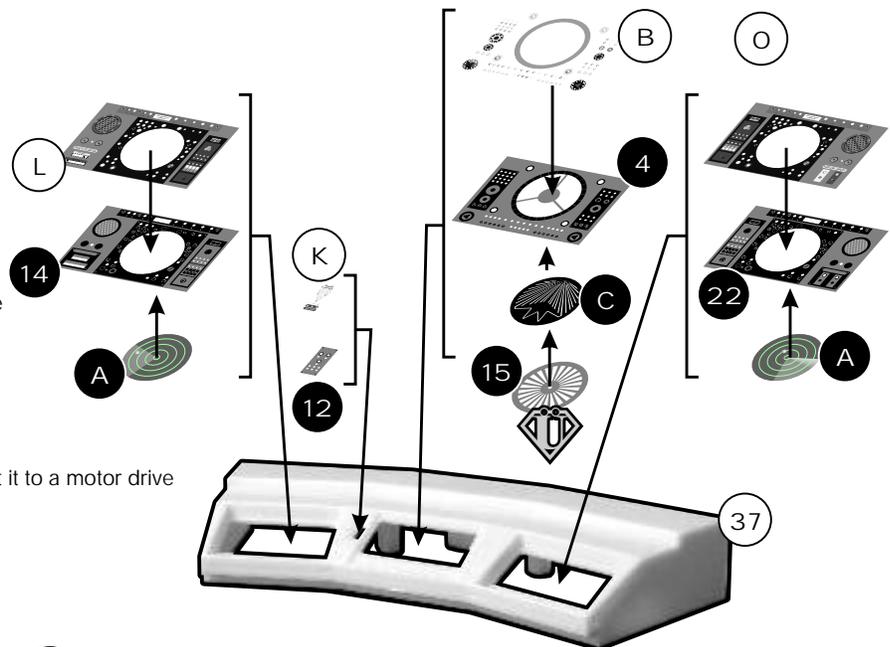
Main Consoles

Replace kit parts 83, 86, 87, & 88 with 1/32" (0.8 mm) clear plastic as a base for the photoetched parts. Alternatively, the main consoles (86, 87 & 88) can be flipped over, though you will want to sand the backs to make them extra smooth. (Paint part 15 black before assembly.)



Über-Detailing

Part 15 has an open hub so that you can mount it to a motor drive to make it spin like the real thing.



Key

Kit part (plastic):



Decal:



Photoetched part:



Backlight Film:

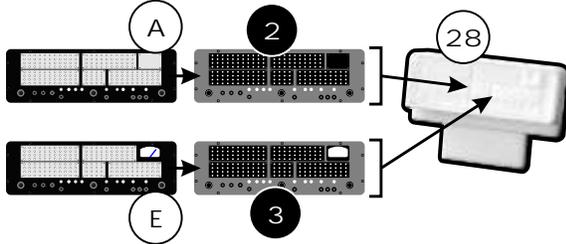


Piloting Station

Upper Consoles

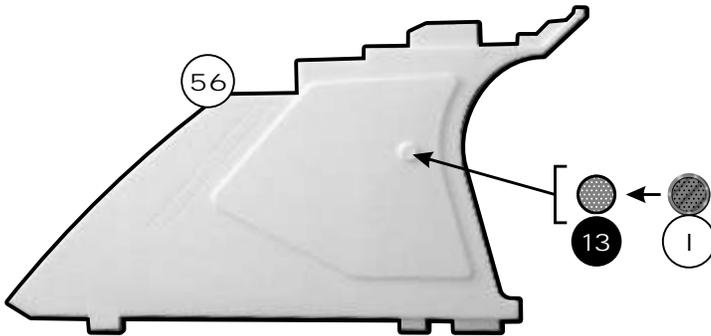
Repeat three times.

Scribe off the inner raised detail from kit parts 28 before applying the photoetch and decals. Note that there are two etch parts 2 with matching decals A and one etch part 3 with matching decal E. The unit with 3/E goes in the center location.



Wall Speaker

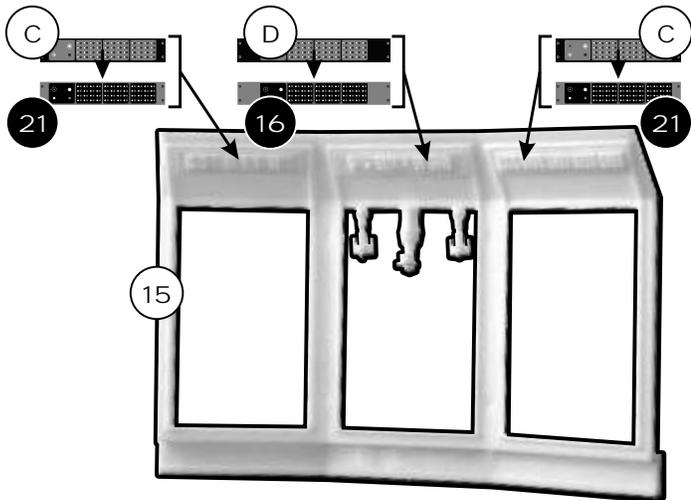
Scribe off the kit wall speaker and replace.



Freezing Tube Walls

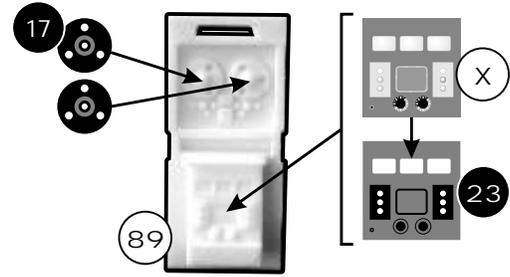
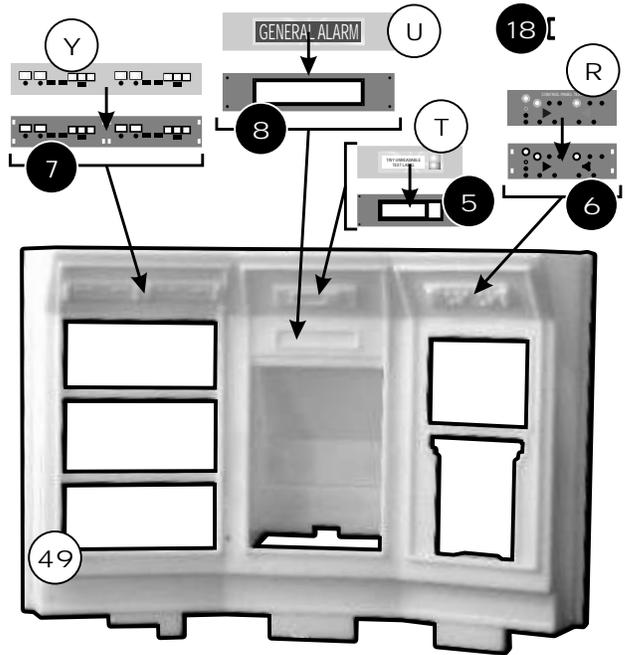
Repeat Three Times

2 Scribe off the raised kit detail before applying photoetch



Computer / Circuitry Wall

Scribe off the raised kit detail before applying photoetch. Add grab handles (etch parts 18) into the slots in etch parts 6 & 7 after applying decals.

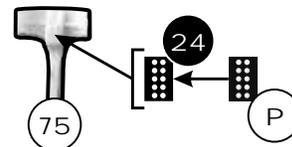


Über-Detailing

Mount the computer tape drives (etch parts 17) on motors to make them spin.

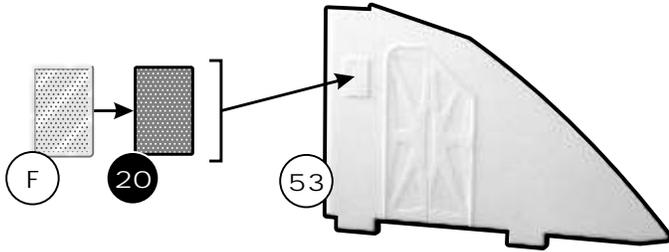
Elevator Controls

Scribe off the raised kit detail before applying photoetch.



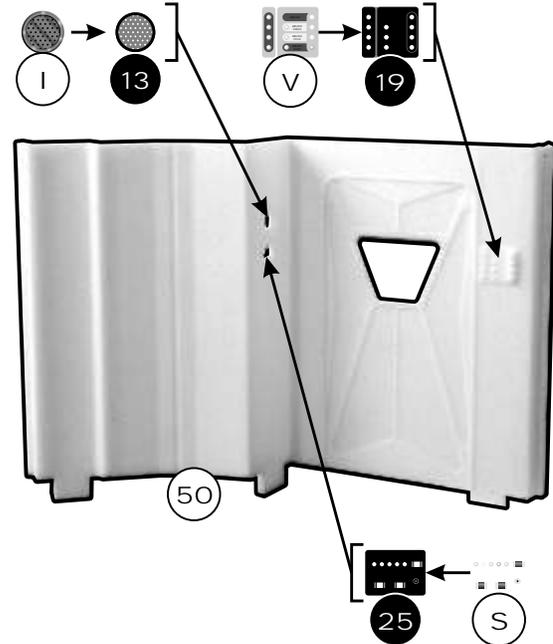
Armory Wall

Scribe off the kit wall speaker and replace.



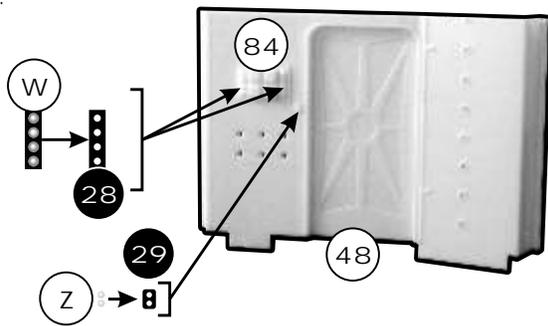
Pod Access Wall

Remove airlock door controls and replace. Photoetched part 25 completely replaces kit part 76 and etch part 13 replaces kit part 68.



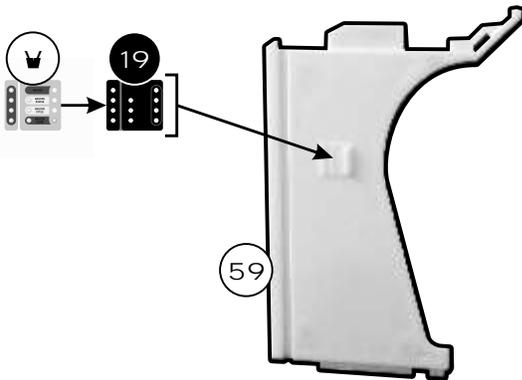
Ladder Wall

Scribe off two sets of raised outer buttons on kit part 84 and replace.



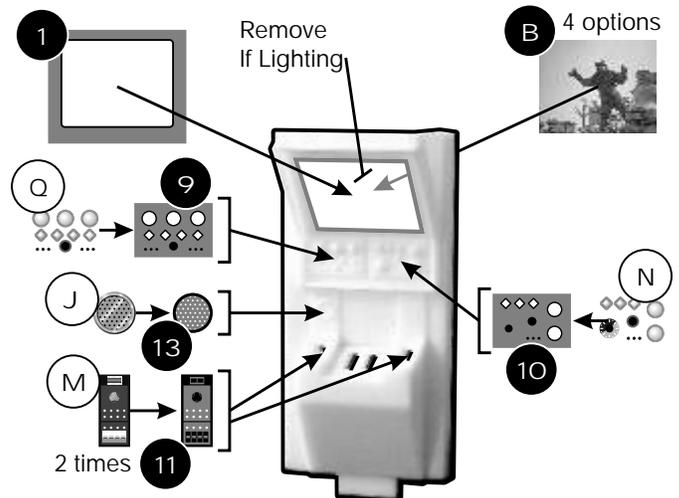
Airlock Controls

Scribe off raised detail and replace.



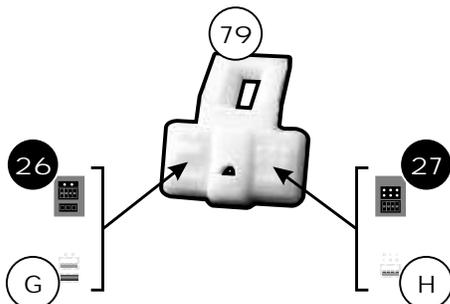
Communications Station

Scribe off the raised kit detail before applying photoetch. If not lighting the kit, paint the area behind etch part 1 white, then apply your choice of display screen B.



Piloting Controls

Scribe off raised detail and replace.





DECAL INSTRUCTIONS

Decals are best applied to a glossy surface. Apply glossy paint or spray a clear gloss coating on your model before applying decals. Carefully cut out the decal from the sheet and, using tweezers, dip the decal into plain water for 5 seconds or until the blue backing changes to a darker blue.

WARNING:

Leaving the decal in the water too long may result in the glue washing off the decal. Lay the decal on your work surface for 30 seconds, and then slide the decal off the backing paper into position on your model. Gently blot the excess water. Allow to dry. Once the decals have dried thoroughly, you can use a sharp knife to gently cut and remove the excess decal film. Apply a second coat of clear finish over the model to seal the decals.

A decal set may be used to help the decal conform to irregular surfaces and hides the decal film. This makes the artwork appear to be painted on the model, rather than applied by decal.

Another method used is to create an equal mixture of water and white glue (Elmer's). Using a brush, apply the mixture to the surface. While still wet, apply the decal. The glue will help the decal adhere to the surface and will dry clear. Once dry, wet a Q-tip and remove any excess glue from the model and decal by brushing out from the center of the decal. Brushing into the center may cause the decal edge to lift.

Important: Please Read

The JT-Graphics decals you have purchased are coated with Testor's Clear Flat Lacquer. Using an Enamel clear coat such as Krylon or Rustolium may cause damage to the decal.

A known fact is that you can apply lacquer over enamel, but not enamel over lacquer. Therefore, it is suggested that after applying the decals, you only coat (seal) your model with a lacquer clear coat to avoid damaging the decals. Acrylic enamel may not react to the lacquer, but it has not been tested. Another suggestion is to use a piece of the decals, (such as the JT-Graphics logo or an optional decal you do not plan on using) and test it. Apply your test decal to a painted surface similar to the one you will be applying to and test it against the clear coat you wish to use.

Besides using Testor's Clear lacquer as a sealer, you can also use Future Floor Wax as a clear coat.

Any problems or Questions contact:
Jeffrey Waclawski 410-574-3220
info@jt-graphics.com

Thank you to Frank Winspur and Dave Metzner of Moebius Models for making such a great kit, and for their help and encouragement during the development of this add-on set.



PGMS
ParaGrafix
Modeling Systems

148 Rocklawn Ave.
Attleboro MA 02703 USA
+1 508-431-9800
www.ParaGrafix.biz



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