

1/350 SCALE REFIT STARSHIP

PHOTOETCH SET

PBX111 V2



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INTRODUCTION

Thank you for purchasing ParaGrafix's photoetched enhancement set for the Polar Lights 1:350 scale refit starship. We have made every effort to ensure that these parts can be used successfully by a modeler of modest experience, but there may be items that require advanced modeling techniques. For a basic primer on the use of photoetch, please see the PDF "Generic Photoetch Instructions" at <http://www.paragrafix.biz/instructions.asp> and our video how-to guides at <http://www.paragrafix.biz/video-instructions-1.asp>.

Please note that these instructions are for version 2 of this photoetch set (marked "V2" on the fret). If you have version 1 (marked "V1") please visit our website for access to the appropriate instructions.

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). Additionally, to fold some pieces, you will need a pair of razor blades** or a specialty tool such as PhotoFold available at the ParaGrafix website and other online retailers.

Microscale's Micro Krystal Klear or Testors' Clear Parts Cement & Window Maker will be useful for creating windows in the shuttlecraft hangar windows as well as the lights on the side of the primary hull airlock.

* We prefer a #17 Xacto chisel blade. ** Extreme care must be taken when using razor blades. Risk of serious injury.

ShadowCasters™

To provide the appearance of depth, glue some of the silhouettes on the inside of the kit's clear windows using Micro Krystal Klear or white glue.

Key

Kit part (plastic): 1

Photoetched part: 1

Cargo Bay / Shuttlecraft Hangar

NOTE that although the shuttle bay is shown partially assembled, you will likely find it easier to attach the metal parts before assembly.

Repeat for both sides

The railings should be bent outwards at 15°.

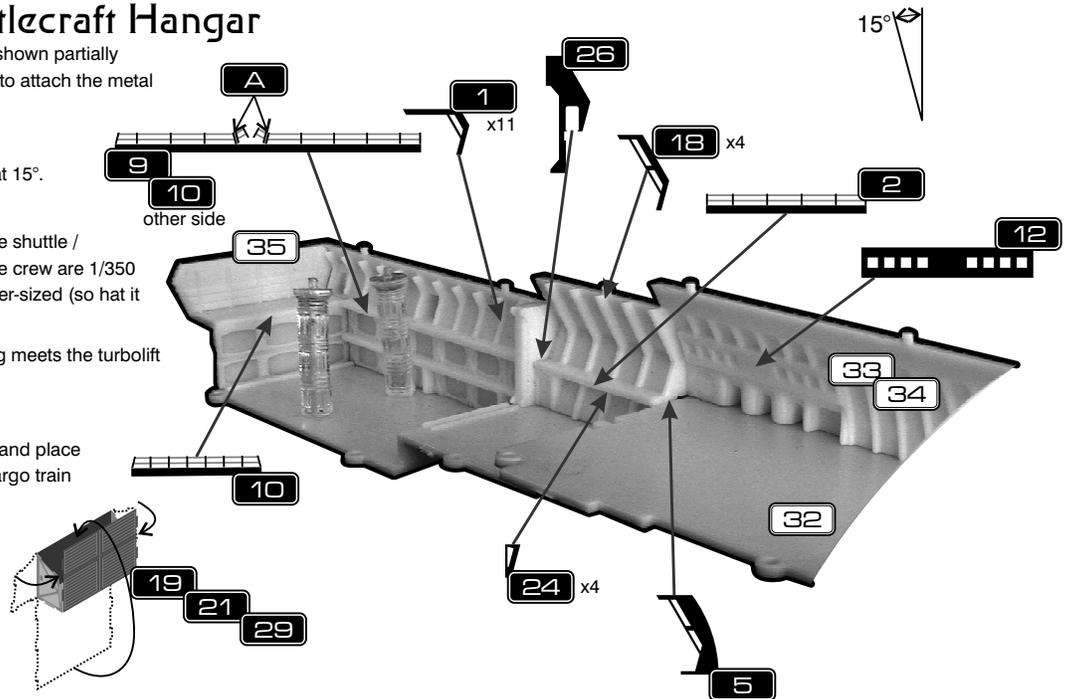
TIPS:

Use some of the people to populate the shuttle / cargo bay and arboretum. Note that the crew are 1/350 scale, but the cargo bay is slightly under-sized (so hat it can actually fit within the kit).

Fold parts 9 & 10 at A so that the railing meets the turbolift shaft.

Cargo Pods

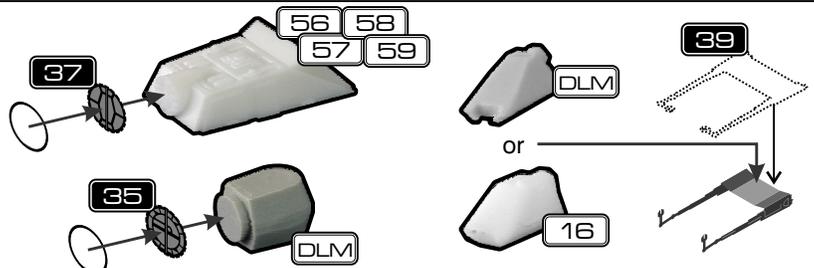
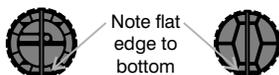
Fold the cargo pods as shown at right and place within the cargo bay or attach to the cargo train (next page).



Shuttles & Work Bees

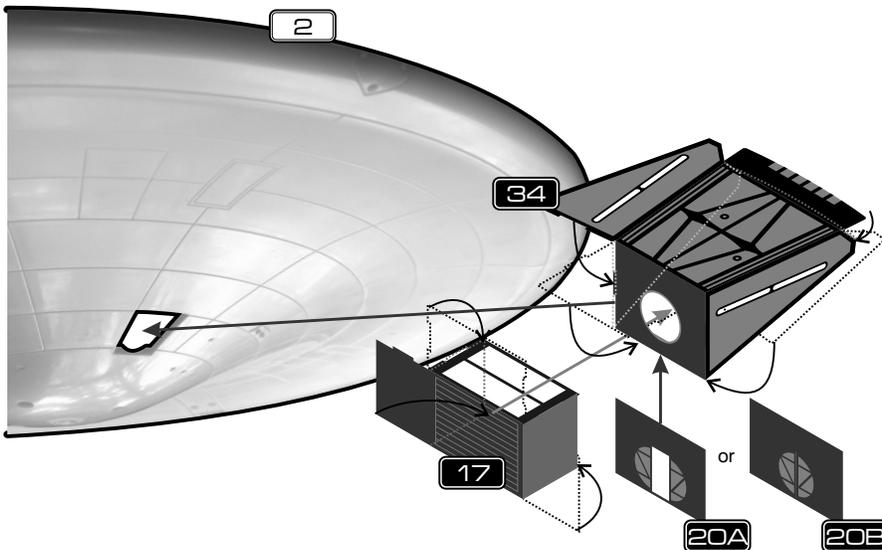
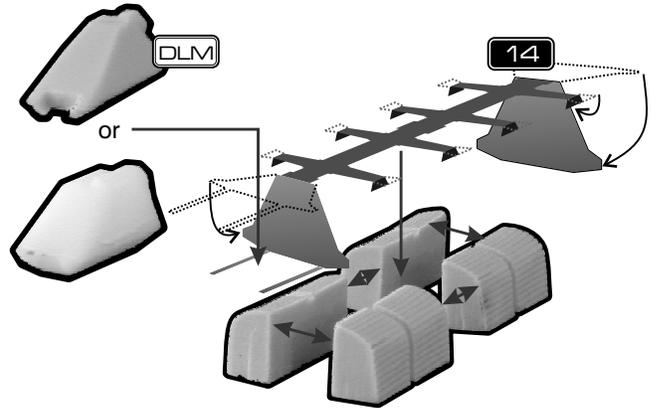
Attach the docking ports to the Vulcan Shuttle and Travel Pod as shown.

Fold the manipulator arms (etch part 39) as shown so that the Work Bees are cradled in the flat area and the arms are vertical.



Cargo Train

Can be used with the DLM cargo pods or those included in this photoetch set, and either the kit supplied or DLM Work Bee. Fold up the train (etch part 14) as shown - also bend the arms down slight to snug them up to the



Primary Hull Airlock

Cut out the airlock hatchway from the lower primary hull and thin out the plastic so that it doesn't block the openings in the airlock insert (etch part 34). Fold the airlock insert as shown and attach either the open or closed door (etch parts 20A and 20B respectively). If using the open door, fold etch part 17 and attach to the back of the insert.

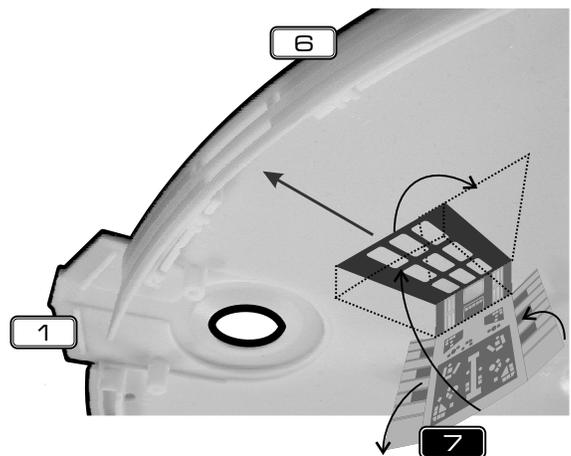
Glue the assembly into the lower primary hull.

Recreation Deck

NOTE: Install the kit "glass" before installing the rec deck.

Fold the recreation deck (etch part 7) as shown. If you are lighting your kit, you can shim the piece so that there is a bit more room at the top to allow light to enter through the "lighting panels" in the ceiling.

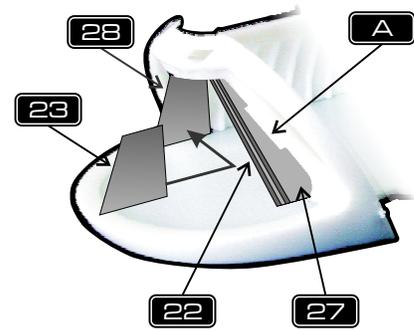
Attach the window frames (etch parts 25) to the outside of the windows making sure to align them so they follow the curve of the hull.



PART 12: Shuttle Bay Doors - Optional

These doors may be attached at any time - when you install them will depend on the order in which you assemble the ship.

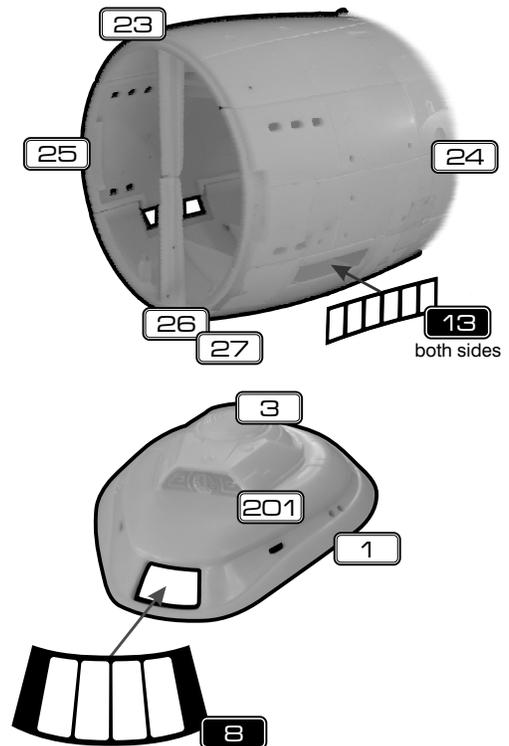
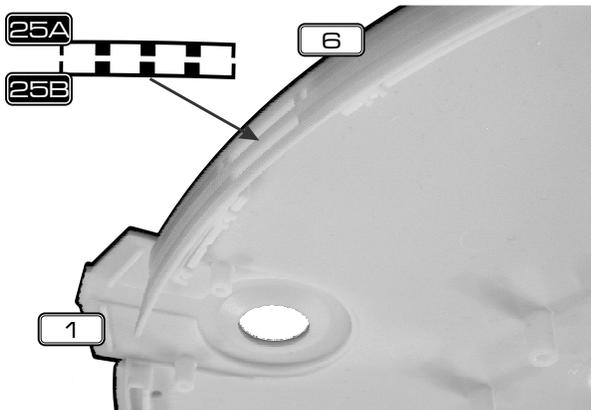
Note that you will need to remove at least some of the tabs A to allow the doors to sit flat against the inside edge of the door.



Window Frames

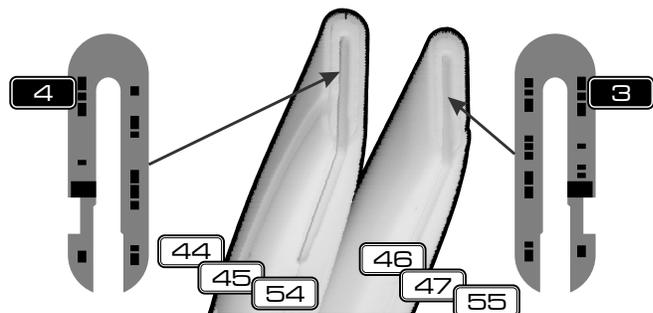
NOTE: Before attaching the window frames it is best to anneal them (see the "Generic Instructions" noted in the introduction). Because these pieces are very thin, you should not flame anneal them due to the possibility of damaging the parts. Instead you use the electric stove-top method.

TIP: Slightly file or sand down the existing window panes on the clear kit parts to allow for the added thickness of the photoetch. Alternatively, use the kit parts to help shape the photoetch, then replace the glazing with Micro Kristal Klear, Testors Clear Parts Cement & Window Maker, or thin clear plastic.



Warp Engine End Caps

Assemble the engines (without the grills [68 & 69] or the RCS "wings" [50/51 & 52/53]). Smooth off the raised detail of kit parts 54 and 55, then attach etch parts 3 and 4. Complete the engine assembly per the kit instructions.



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