

U.S.S. ENTERPRISE NCC-1701

Star Trek (2009)
Star Trek Into Darkness

For Revell Kit # 04882

**PARA
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PGX174

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INTRODUCTION

Thank you for purchasing ParaGrafix's photoetched enhancement set for the Revell 1/500 scale starship Enterprise from the new films. 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 visit <http://www.paragrafix.biz/video-instructions-1.asp> and other resources available on the web.



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 from ParaGrafix.

* We prefer a #17 Xacto chisel blade.

** Extreme care must be taken when using razor blades. Risk of serious injury.

Key

Kit part (plastic):

1

Photoetched part:

1

SHUTTLECRAFT HANGAR

Fold the walls of etch part 8 as shown, then drop in the frames (17 and 19) and glue in position. Insert the upper decks (7) up from the forward end of the hangar and slot into the walls and frames. Finally, attach forward bulkhead 2.

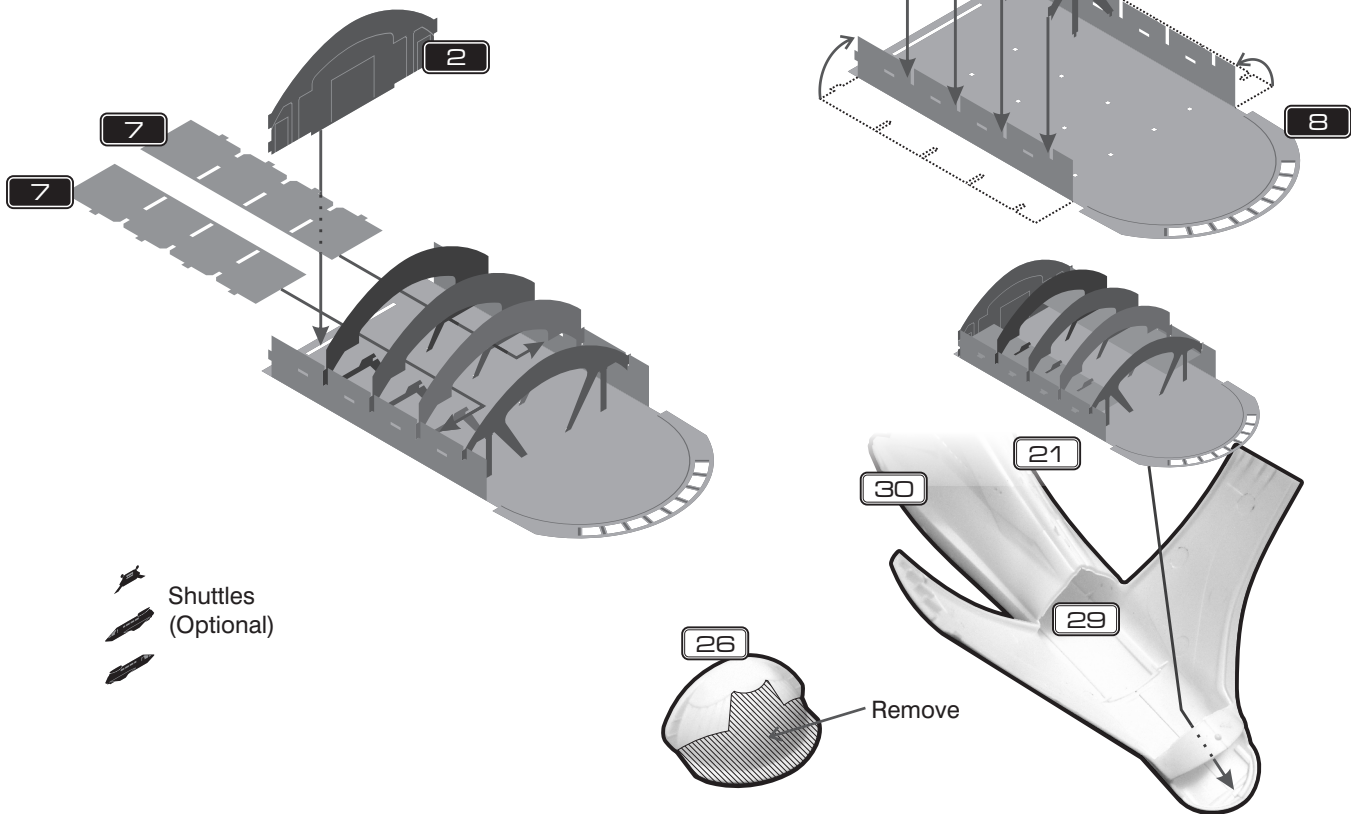
Assemble the secondary hull according to kit instructions steps 13 through 20, then insert the hangar as shown.

Cut away portions of the hangar bay doors (26), along with the flat portion of the fantail and install into the kit.

TIPS:

Several shuttlecraft are included that may be added to the hangar to bring it to "life"

If you plan on lighting the "landing lights" along the curved portion, shim the hangar with some clear plastic toward the rear end.

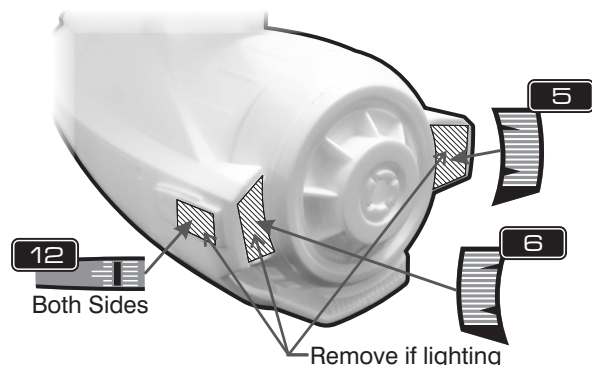


SPACE ENERGY FIELD SENSORS

LIGHTING:

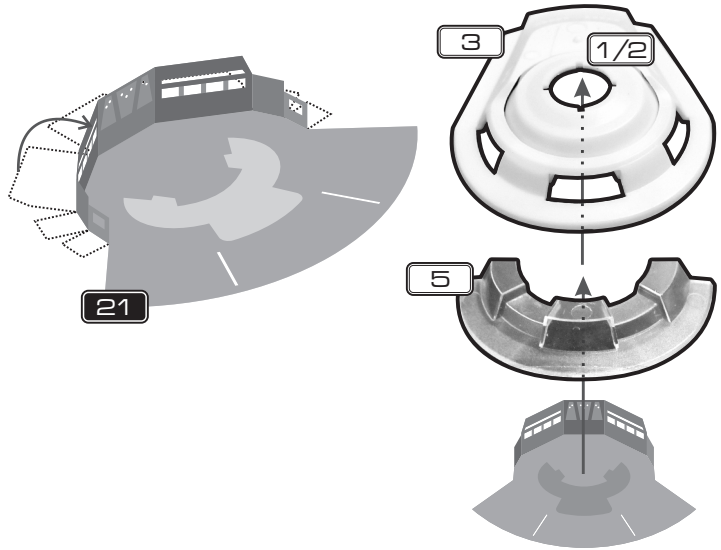
If you are lighting the sensors (etch parts 5, 6, and 12), then remove plastic where these parts attach to let light shine through.

Mount kit parts 36 and 23 to the assembled secondary hull. Attach the etch parts as shown.



BRIDGE

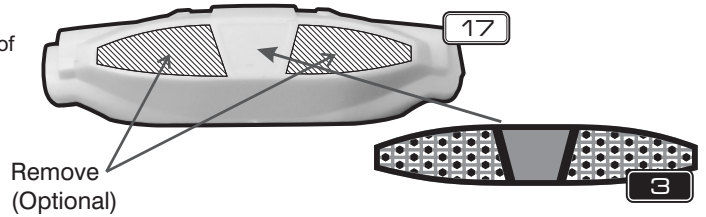
Assemble the bridge area according to kit steps 1 and 2. Fold the bridge (etch part 21) and attach to the bridge windows (kit part 4) using a non-crazing adhesive, such as Micro Kristal Klear from Microscale Industries. Note that the "slashes" on the bridge line up with the openings in kit part 2.



IMPULSE ENGINES

If lighting, remove plastic as shown from kit part 17, then mount etch part 3 in place. Note that you will need to slightly bend the impulse engine grill to have it sit properly on the kit part.

If you are upgrading your Enterprise to the "refit" as seen at the end of "Star Trek Into Darkness" using the Brad Hair Productions impulse engine piece, use etch part 20. It also may be light if you remove the existing resin the exhaust area.



WARP ENGINE TURBINES

Rotate each turbine blade on etch parts 13 and 16 down by 30° – when done, the blade assembly should look like a mushroom cap. Fold the jigs as shown and use them to help set the right angle.

Notice that although they are identical, each fan of each size should be bent in the opposite direction and when assembled the inner- and outer-sets of blades should run in the opposite direction. Parts 15 should be attached so they go the direction as the inner blades (13).

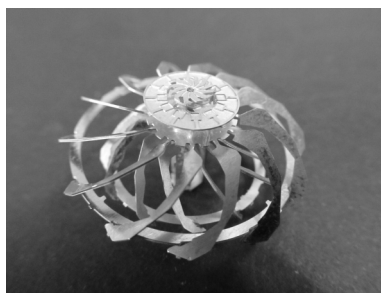
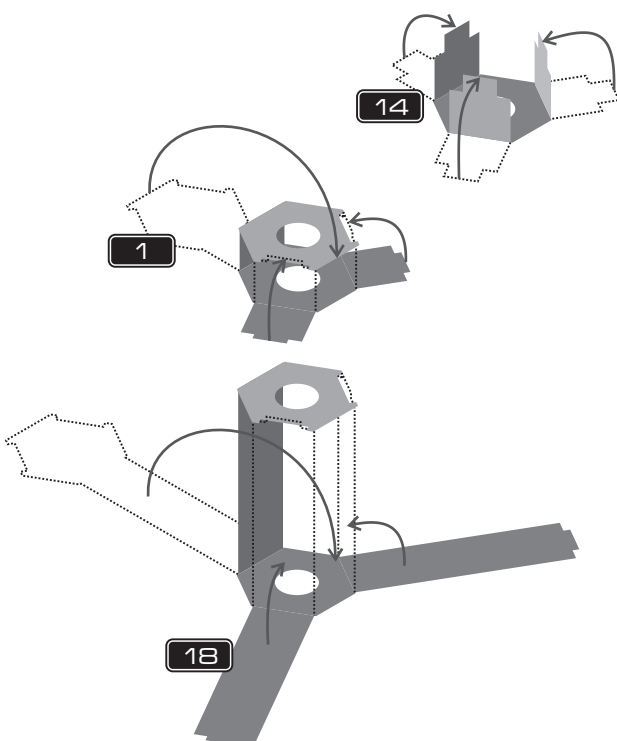
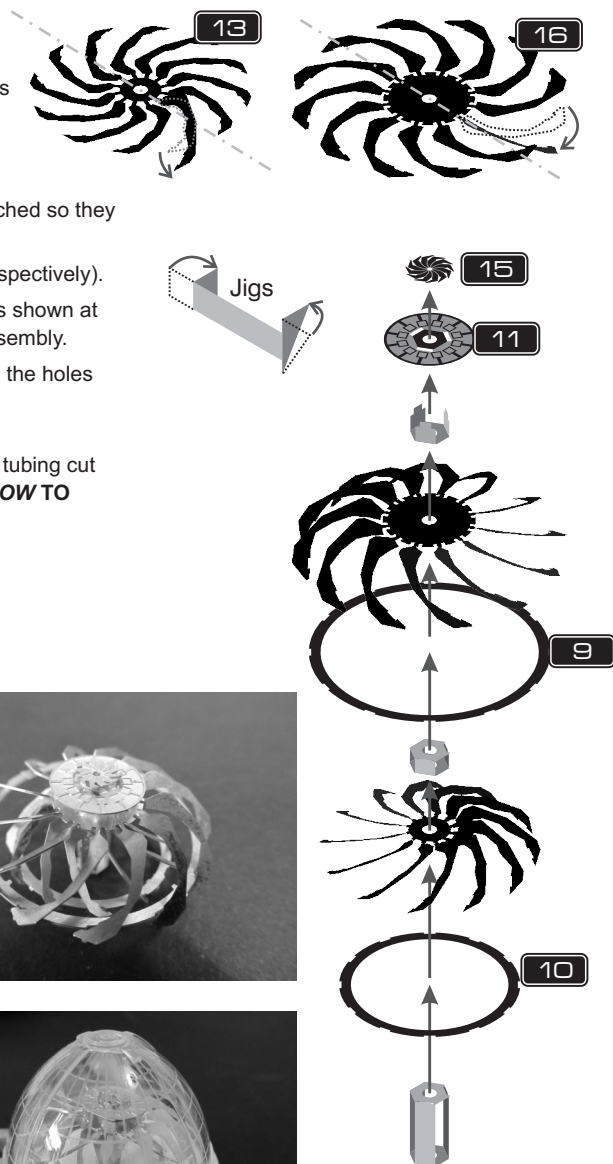
Attach the turbine rings (etch parts 9 and 10) to the turbines (16 and 13, respectively).

Fold the spacers (1, 14 and 18) as shown and assemble the turbine sets as shown at right. A length of 1/16" (1.5mm) rod can help align all of the parts during assembly.

Mount the completed assemblies on kit parts 43 and 55, centering them on the holes on the kit parts' backsides.

Note:

If you are motorizing the turbines, omit parts 1, 14 and 18 and replace with tubing cut to the same lengths, using them as spacers. **WE HAVE NO ADVISE ON HOW TO MOTORIZE THE WARP ENGINE TURBINES.**



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