

TETRYON PARTS

Enhanced Impulse Engine for Polar Lights 1:1000 Refit



Preparing the Replacement Part

Resin parts should always be carefully washed with soap to remove mold release agents.

Preparing the Model

The impulse deck is provided as a complete drop-in replacement wedge of the upper hull. The shape was chosen as a balance of simplicity with clearance for lighting purposes, and for ease of preservation of details when the part is blended in.

To cut the correct section of saucer, cut out the paper template below. The shaded shape should slip over the impulse engine, providing good alignment. Trace the template with a marker, then remove the plastic inside the line. The cut can be adjusted by sanding for a close fit with the replacement part.

On the lower saucer part, remove the original impulse dome brackets. If the part will be lit, remove the backing wall.



Applying Replacement Part

Using cyanoacrylate glue or epoxy, secure the replacement part in place. Polystyrene cement will not work with polyurethane resin. Tabs are provided for easier alignment and adhesion.

Fill and sand any gaps at the outer surface of the hull.

Lighting (clear part only)

There are three options for lighting:

- Use two red LEDs in the placeholder notches directly behind the two impulse engines.
- Use one red LED in the notch directly in the middle of the engine. *Note:* this may interfere with the locking mechanism from the neck.
- Paint the impulse engine ports clear red, and use ambient light from within the model.

For lighting the crystal, it is recommended that clear blue paint be applied from the inside, and placement of white LEDs for internal lighting can be arranged so that the dome catches a sufficient amount of light.

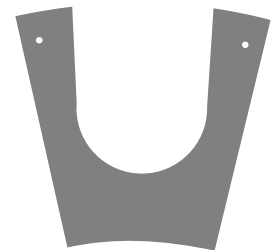
A convenient painting mask is included with the clear version of the part. It is reproduced below for convenience.

Painting

Because of the very fine details on the impulse dome, it is recommended that the area be masked off during regular priming and painting, and that it be hand-painted when the rest of the model is completed. The fine lines on the dome are best enhanced with a combination of dry-brushing and washes. Light-leak prevention of the dome should be accomplished with black paint from the inside.



Engine Mask



Cut-out Template