CYLON RAIDER
COCKPIT LOUVERS

PARA GRAFIX™

INTRODUCTION

Thank you for purchasing this set of photoetched cockpit window louvers for the 1/32 scale TOS Cylon Raider from Moebius Models. Although we have tried to make this set easy to install, some familiarity with working with photoetched parts is suggested. We have videos available online that cover many of the most important techniques available here: http://www.paragrafix.biz/video-instructions-1.asp (you can also scan the QR code at right).

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, super glue (aka CA or cyanoacrylate) and an adhesive for attaching the clear plastic – we suggest using Micro Krystal Klear or Testors Clear Parts Cement. Additionally, to fold some pieces, you will may need a pair of razor blades** or a specialty tool such as PhotoFold from ParaGrafix, though working carefully will allow you eschew the use of a tool and bend the parts using just finger pressure.

* We prefer a #17 Xacto chisel blade.

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

Key

Kit part (plastic): **I**

Photoetched part: **I**

Clear film: **A**

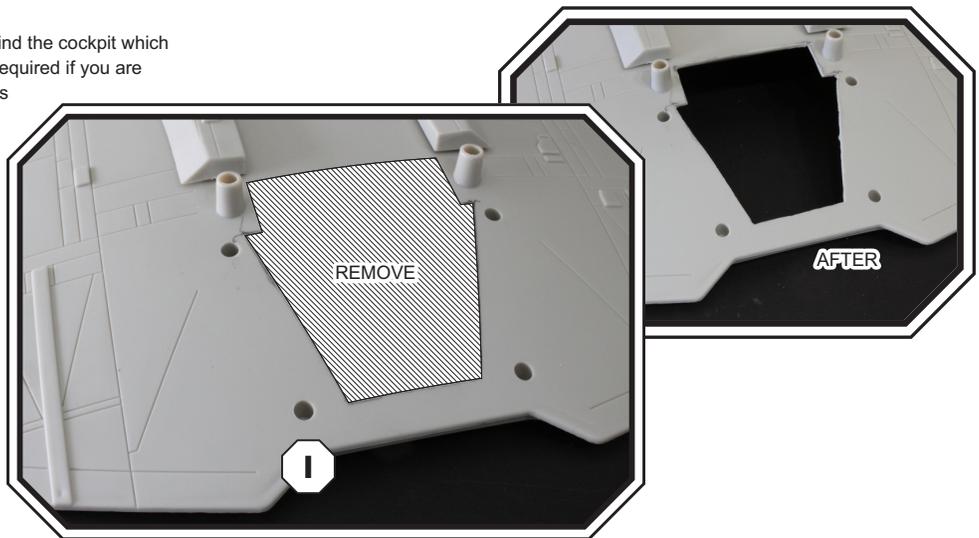## PREPARATION

During installation you will need access behind the cockpit which will be blocked by other parts. (This is also required if you are installing an aftermarket cockpit.) To gain this access, trace the inner border of kit part 10 onto part 1 and cut this area out. You will want to extend it a bit further back to give your fingers some extra room.
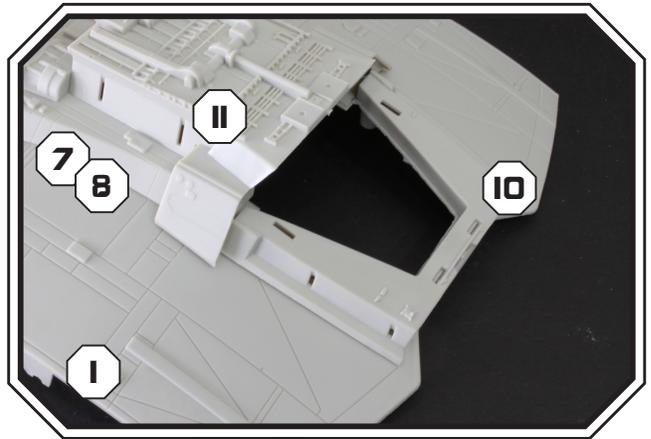

REMOVE

AFTER

I

I

PRELIMINARY KIT ASSEMBLY

KIT ASSEMBLY STEP 2

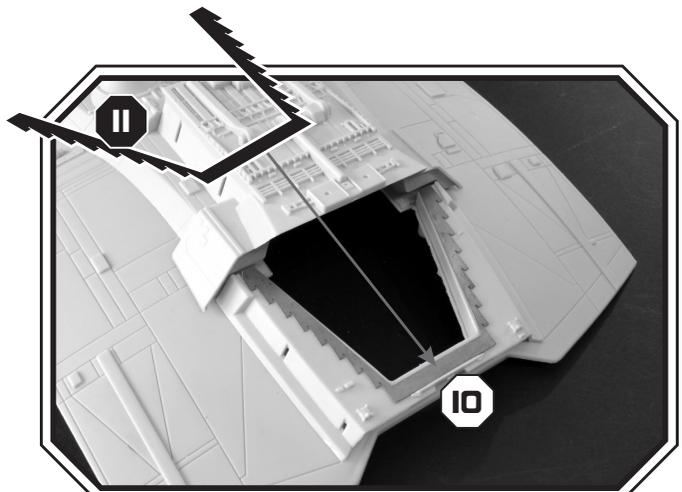**DO NOT FOLLOW KIT ASSEMBLY STEPS 2A-C AT THIS TIME.**

Assemble the upper deck of the main fuselage following steps 2D through 2I, but without installing the cabin shielding (part 9).

(You can leave off some of the detail cladding, as shown in the image at right, until final assembly.)

II **7** **8** **10** **I**

MOUNT BASE PLATE

Because of the subtle curve, you might find it helpful to anneal the baseplate (etch part 11) before mounting it to kit part 10. Super glue the plate in pace as shown.

II **10**

ATTACH LOUVERS

FOLD LOUVERS
Fold the ends of each louver (etch parts 1 through 9) approximately 60°. This can be tweaked as you mount the parts.

ATTACH LOUVERS
Mount each louver so that it nestles into the small slot* on the base plate. The louvers are numbered 1 through 9, starting at the back end of the cockpit. Adjust the fold angle as necessary.

* Note that there is no slot for the rear-most louver (#1) it should be installed so that it mounts butted up against the base plate at its rear-most position.
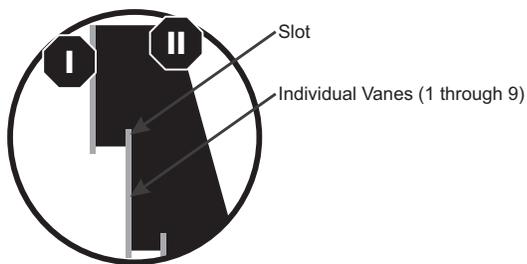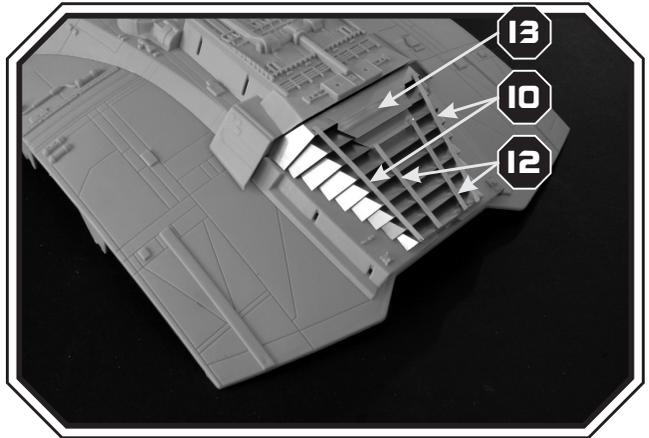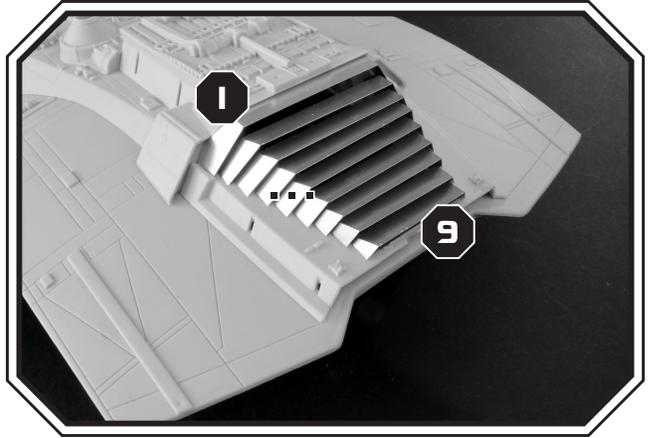
ATTACH ACCESSORIES
Fold the cover (etch part 13) and attach it and the slats (parts 10 and 12) as shown. Note that there are small positioning grooves on parts 1, 2, 4 and 9 showing the locations of these pieces. The cover (13) is fiddley to fold into the proper shape – as an alternative, use the etch piece as a template to cut six individual pieces of sheet styrene.

TIP: For added accuracy, replace parts 10 and 12 with equivalent lengths of 0.1" square plastic rod. (i.e. Plastruct part 90700, Evergreen part 6-375.)

PAINT LOUVERS
You will find it easiest to paint the louvers now, before attaching the glass.

~60°

Slot

Individual Vanes (1 through 9)

ATTACH WINDOW GLAZING

CUT GLASS
Use the provided templates and cut the 4 sections of window "glass" from the PETG (clear plastic) sheet included with this set.

TIP: Use a temporary adhesive glue stick to apply the template to the PETG, then cut using a sharp Xacto blade and a straightedge.

You may make photocopies of the template for your own, personal use with this photoetch set if you would like a backup.

MOUNT GLASS
From the rear of the cockpit, install glass part A. Use a clear adhesive such as Microscale Industries' Micro Krystal Klear or Testors Clear Parts Cement. By mounting part A first you can tweak the angle of each of the louvers so that they are all centered and straight.

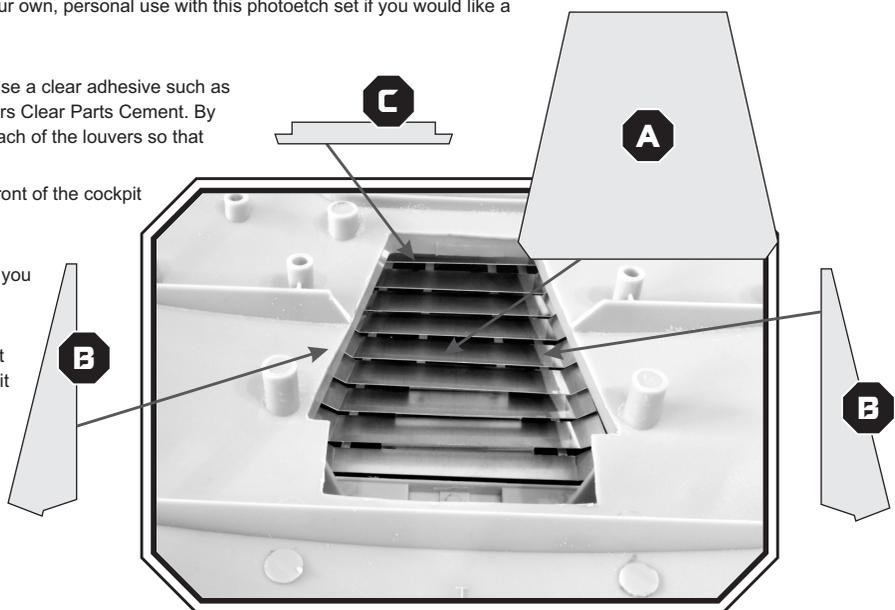Install glass parts B along the sides and A at the front of the cockpit opening.

COCKPIT
You can now add an aftermarket cockpit interior if you have one.

PROTECTION
This entire assembly is more delicate than the rest of the model. Before completing the kit assembly, it would be a good idea to create a protective box around the cockpit area. You can make the box of any material you desire - plastic sheet, cardboard, etc.

Once assembly is complete, you can remove the box to display your kit.

COMPLETE CONSTRUCTION
Finish assembling the kit, starting with steps 2 A-C. Paint normally.

TIP: The two sets of pentagons may be used on the kit in place of the marking decals (this is not accurate – they were painted markings on the studio models). If you are very careful in your placement, you can use the decals in addition and not have to paint them.

Alternatively you can put them on your display stand or anywhere else you'd like.