

FALCON ENGINE VENTS

For DeAgostini Kit ISSUES 96 AND 97

**PARA
GRAFIX™**
PGX206

ParaGrafix states that our use of the trademarked terms listed below in our product descriptions constitutes fair use and nominative use and is in no way to offer confusion that ParaGrafix and any of the following noted trademark holders are related companies, nor do we state that we are endorsed by these trademark holders. We are an AFTERMARKET company acting in GOOD FAITH in providing high quality products to loyal customers who have already purchased products related to these trademarks. ParaGrafix is actually providing these trademark holders a venue of free advertising and indirectly provide these trademark holders with more sales leads.
© & TM 2015 Lucasfilm LTD. © & TM DeAgostini Publishing USA Inc., DeAgostini Editore S.p.A.

INTRODUCTION

Thank you for purchasing ParaGrafix's corridor upgrade set for the Millennium Falcon subscription kit from DeAgostini Publishing. This set is intended for modelers of moderate experience who are handy at modifying existing kit parts.

Key

Kit part (plastic): **1**

Photoetched part: **1**

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). To fold the individual vents you will need a #11 Xacto blade or similar flat blade.

A Dremel rotary tool with cutting blades will be very handy when modifying the kit's vent housings.

 ÜBERDETAILING: To make the grills even more accurate, 0.02" thread or soft wire will be needed.

* Xuron's Professional Photoetch Scissors (9180ET) are ideal for removing parts from the fret.

** We prefer a #17 Xacto chisel blade in combination with a glass cutting board or other, similarly hard cutting surface.

Installation Parts Order

The installation steps are not in any particular order. You can complete them as you see fit to complement your kit construction order.

Modify Kit Vent Housings

NOTE: If you do not feel up to modifying the kit parts, replacements are available from Kris Taylor* and possibly on Shapeways.

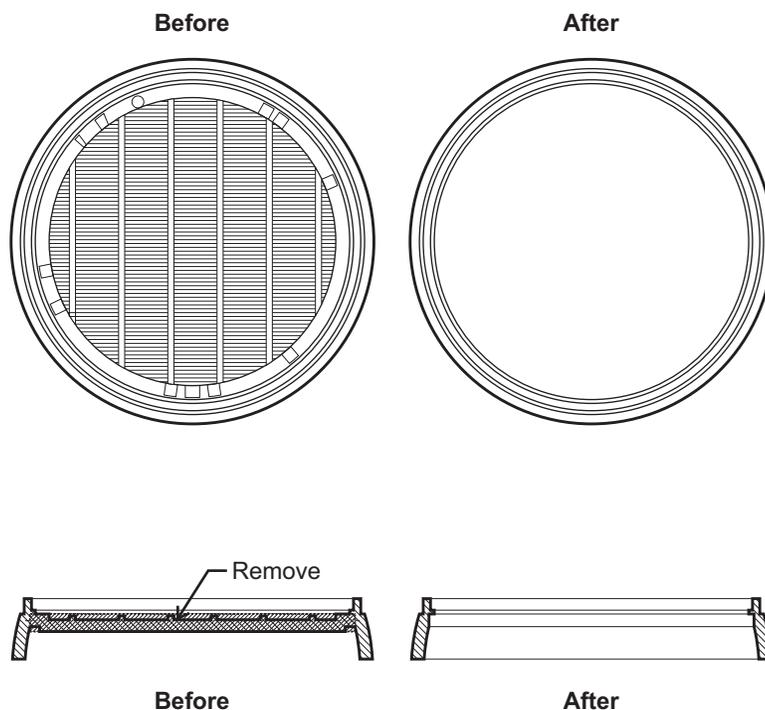
* Kris' are available here:

<http://www.therpf.com/showthread.php?t=275787&p=4227443>
(See the QR code below.)

TIP: The parts have a specific orientation when they're installed – the larger pin goes on the right. Temporarily mount the vent housings and mark the front and back so that you can orient the grills and parts correctly later.

Remove the kit gridwork and lower detailed ring as shown in the diagrams below. If you mess up the small lip simply sand it off and replace with some 0.01 or 0.02 inch (0.025 to 0.05 mm) square rod.

You may find this operation easier to do with a Dremel with an end mill attachment. Even easier, will be to mount the Dremel on a drill-press.



Bend Grill Vanes

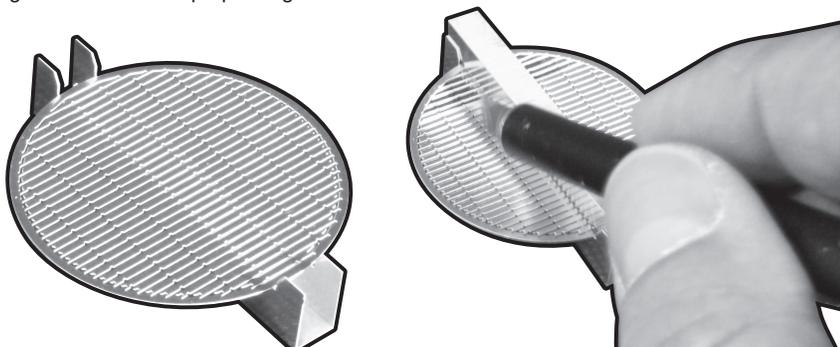
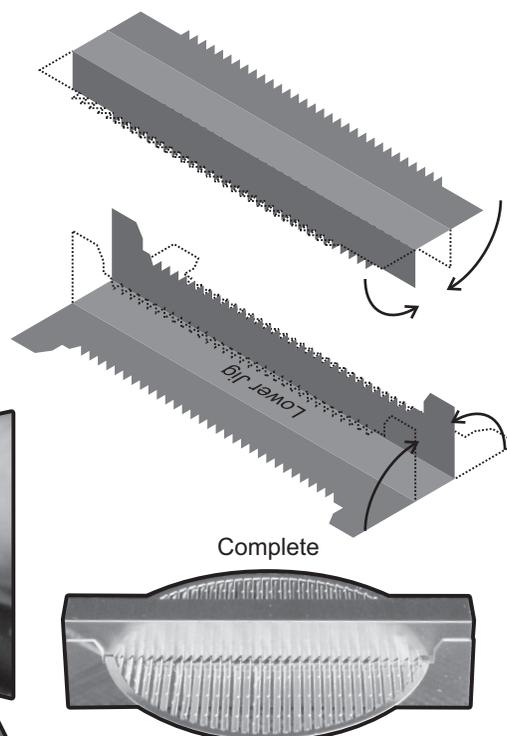
Assemble Jigs

The jigs are assembled easily – just bend the two legs to 90° to create a "U" shape for each.

Bed Vanes – repeat 6 times

Place a grill set (etch part 2) into the Lower Jig - make sure to align the piece with the jig so that the peaks of the jig's teeth are on the same side as the small tabs attaching each vane. Place the Upper Jig in place so that it sits inside the Lower Jig and is also aligned properly.

Bend each individual vane by inserting a #11 Xacto blade between the vanes and pressing down – you may need to slide the blade sideways and work on both sides to get the vane at the proper angle.

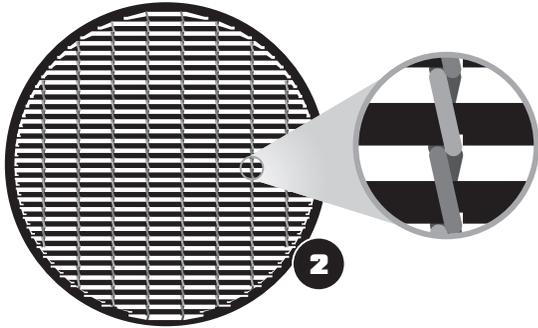
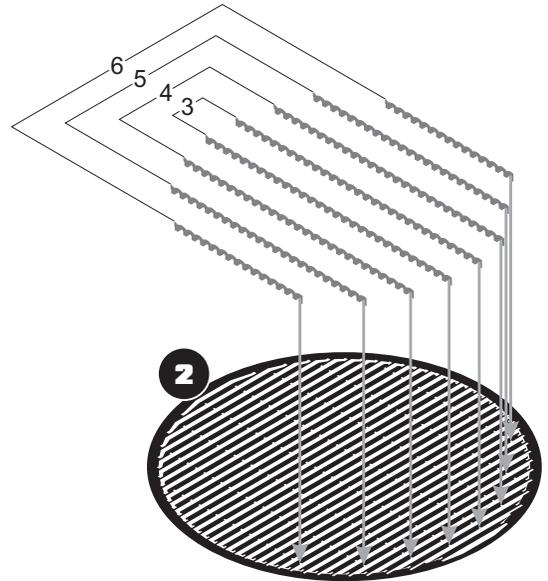


Add "Weaving" - repeat 6 times

Attach the simulated weaving pieces (4 through 6) in the positions shown, nesting into the notches. Make sure to align the peaks and valleys of the pieces proper and ensure that they are centered vertically so that the outer ring (etch part 1) can fit snugly.

TIP: Add the weaving after final assembly to ensure a proper fit.

Überdetailing: For greater accuracy, omit the simulated weaving pieces and replace with 0.01" to 0.015" (0.25 to 0.4 mm) thread or soft wire. Note that there are two threads per weaving section, alternating over and under the vent fins (see below).

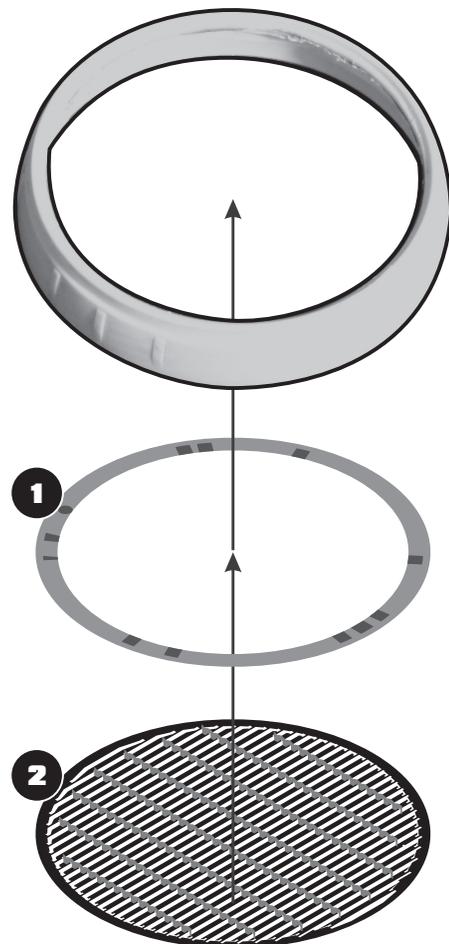
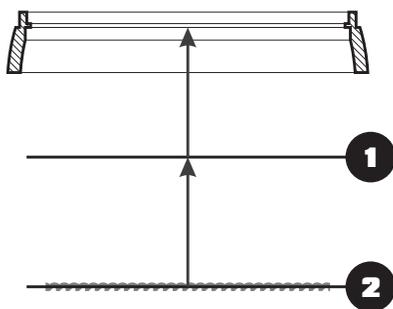


Final Assembly

From the underside, mount etch parts 1 and 2 to the underside lip of the modified vent housing, then attach the assembly to the kit per the kit instructions. Make sure to properly align the vents with the marks you made so that they are horizontal when the assembly is mounted to the kit.

NOTE: If using an accurized vent housing that include the upper ring (such as the ones from Kris Taylor) do not include etch part 1 in your assembly.

NOTE: Because you can now see through these vents, you can either back them up with fan blades available on Shapeways, 2" diameter electronics cooling fans (available on Ebay and other online vendors) or simply paint the area behind the vents black.



104 County Street, Suite 101
Attleboro MA 02703 USA
+1 508-431-9800
www.ParaGrafix.biz

Thank you to Kris Taylor for sending samples of his engine rings to test these grills with.