

SPACE WOLF

SPACE CARRIER FIGHTER SW-190 - 1/100 SCALE



The SW-190 Space Wolf is a small single seat high speed space fighter loaded onto the Arcadia. It was designed on the base of a Focke Wulf FW -190 German fighter aircraft from WW2 and shows many design sensibility. The Space Wolf has proven to be a very effective weapon against the Maz one fighters. The Space Wolf has a white and red paint scheme in the original animation series from 1978. The colors in later series or movies – like “Harlock 1984” – are mostly green with the underside blue (photo above). The Space Wolf is also known in the French version – “Albator le corsair de l’espace” – as one of the “Aviscoops” carried onto the “Atlantis” (the Blue Arcadia). Length: 11.3 meters (37 ft.); Width: 11 meters (36 ft.); Height: 5 meters (16.4 ft.)

Working with resin

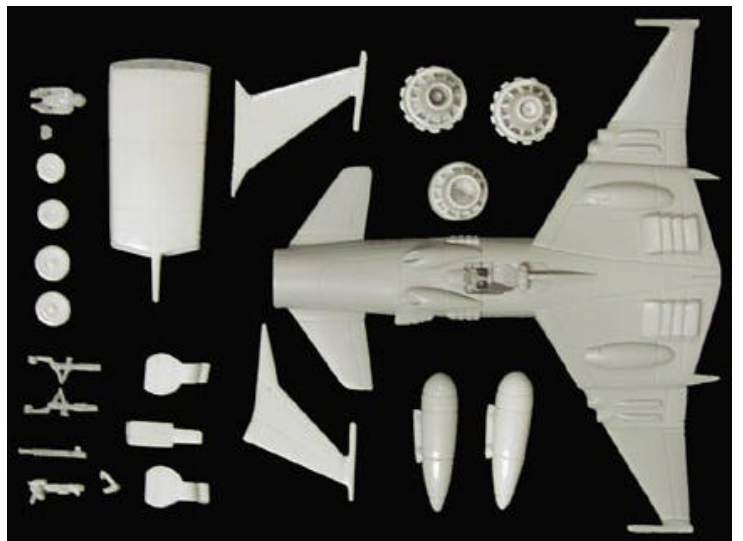
- Resin dust is harmful to your lungs so wear a protective mask when sanding. Wet sanding is recommended.
- Before handling resin parts wash them in warm (not hot) soapy water and let them dry. This step is necessary to remove the mold release agent used during casting.
- Resin must be glued with "super glue" (cyano acrylate glue) or alternatively epoxy glue.
- To glue parts together you may want to hold them in place and drip thin glue along the seam instead of trying to align the pieces with glue on them.
- If warping (distortions) occurs in some parts, use hot water or a hand held hair dryer to soften the area. Hold the piece in place and cool it with cold water. You may have to repeat this process more than once to correct the shape.
- Always use an appropriate primer before painting your resin model.

Preparation

- Verify that all parts are present by referring to the picture on the right.

This kit contains 26 parts:

- 23 resin parts
 - 1 clear canopy (not shown)
 - 1 sheet of color decals (not shown)
 - 1 piece of styrene (not shown)
- Carefully cut the parts from their tree and remove flash, mold seams and imperfections.
 - Fill any apparent holes, seams and scratches .



Additional preparation if installing landing gear (gear down)

Cut landing bay doors out of the small styrene part included with the kit. Use the landing gear “plugs” and the photos below as a guide. Without the wheels, the rear struts comes as 1 part each while the front landing strut is in 3 parts. Third picture shows what the landing gear should look like once assembled and painted (you can also see the seated pilot in preparation at the right).



Assembly

To assemble your model, use the diagram in the “Painting & decals” section along with the pictures throughout this guide. This kit comes with two choices of nose cone to choose from – The “shorter” is mostly seen in the original 1978 series and the longer cone from the 1984 era. **[Tip]** You may want to hold the parts in place and drip the (thin) glue along the seam instead of trying to align the pieces with glue on them. **[Advice]** Do not glue the secondary engine pod and canopy at this point as it will be easier to paint and finish separately.

Using a sharp hobby knife carefully cut the canopy directly on its molding form (second photo). **[Advice]** It is a good idea to practice your cutting skills in the extra material from below the canopy “line”. Finish the trimming with a medium grit sandpaper or hobby file - Go progressively and test-fit often. **[Tip]** For a great shiny look, dip the canopy in “Future Floor Wax” two or three times, let the excess go off and let dry for a couple of hours (third photo). **[Advice]** To enhance realism, install small tubes (or metal pipes) to simulate the gun barrels in the main guns just in front of the canopy (fourth photo).



Additional assembly if installing landing gear (gear down)

Using the following photos as a guide, modify the secondary engine pod so that the bottom fin looks “retracted”, letting enough clearance for the landing gear. With a hobby saw, remove sufficient material to allow the fin to “fold” within the pod. Glue the landing bay panels in the “opened” position. **[Advice]** It is best not to glue the landing struts at this point as it will be much easier to paint them separately.

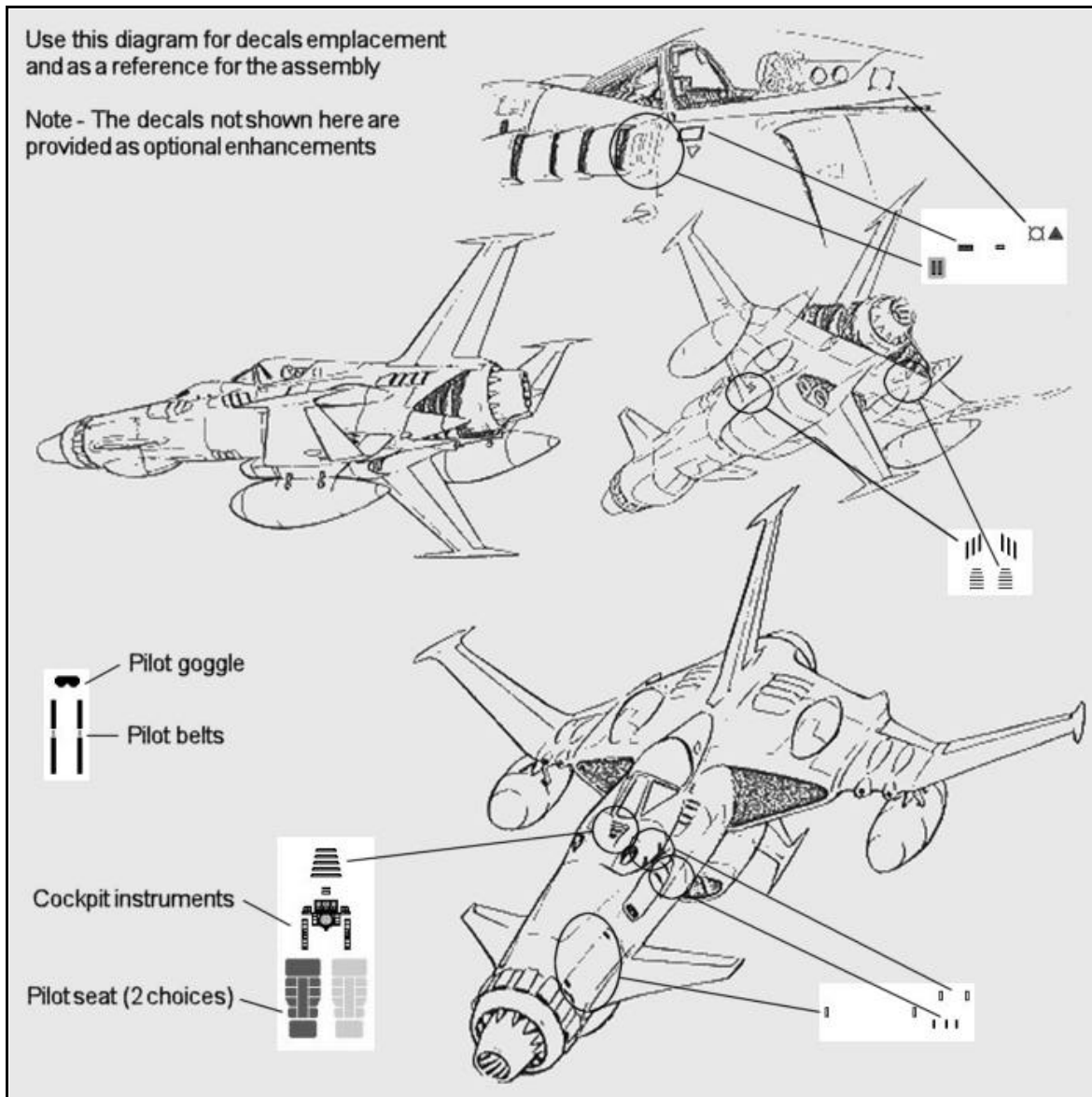


Painting & decals

Apply a thin coat of primer and correct the imperfections that may still be visible. If needed, apply another thin coat of primer and lightly sand with 400 (or more) grit sandpaper. The following color schemes are based on Federal Standards (FS) color codes when possible. Otherwise, Model Master's (Testors) acrylic color codes were used.

Model section	1978 series (Blue Arcadia)	1984 series/movies (Green Arcadia)
Main fuselage (top)	FS37875	FS34277 (66%) / FS34102 (33%)
Main fuselage (bottom)	FS37875	FS36622 (85%) / GP00463 (15%)
Wing/fin flaps	FS31136	N/A
Cockpit	FS36270	FS36270
Landing gear bays	FS36375	FS36076
Landing gear	FS36375	FS37875
Left air intake	FS36375 (50%) / FS35044 (50%)	N/A
Nose cone details	FS35622 (50%) / FS35164 (50%)	N/A

Before applying decals give your model a coat or two of a gloss clear - Decals sets much better to a glossy surface. Carefully cut out each individual decal using a sharp hobby knife or scissors. Soak decal in a small cup of plain water for about 5 to 10 seconds and lay the decal on your work surface for about 45 to 90 seconds, then slide the decal off the paper backing into position on your model. Smooth decal surface expelling any air bubbles and blot dry with a cloth or Q-Tips. **[Tip]** For best results, use a decal setting solution (like Microscale's Micro Sol). Allow decal to dry overnight then apply a coat of flat or semi-gloss clear over the model to seal decals.



Original art. ©Leiji Matsumoto.

Finishing

Next step is to apply a gray wash to enhance details like recessed panels and scribed lines . **[Tip]** Use Model Master's Engine Gray enamel (FS36076) thinned with Model Master's thinner - As a rule of thumb mix 4 parts of thinner with 1 part of paint. **[Advice]** To give a heavily weathered look to your Space Wolf, apply metallic paint to simulate paint "chipping" throughout the fuselage mostly along the edges.

Once the model is completely dry, finish the assembly by gluing the pilot, secondary engine pods, landing gears and canopy. **[Advice]** To glue the canopy use hobby clear parts glue (like Model Master's glue for clear parts) - **DO NOT** use super glue as it can damage the clear finish of the canopy - Thinned wood glue can do the trick but testfirst. Finally, finish your model with a coat of flat or semi gloss clear. Below are some examples offinished kits.



Color scheme: 1978 series



Color scheme: 1984 movies



Color scheme: 1984 series



Color scheme: 1984 movies



Color scheme: Custom



Color scheme: Custom