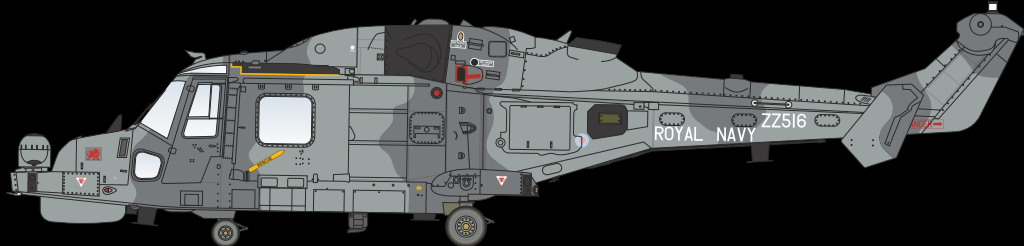




ON TARGET
Conversion Set

AIR-GRAPHICS
AK-01



Leonardo
AW159

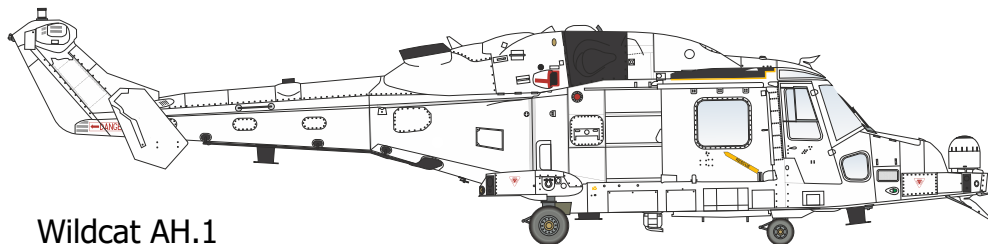
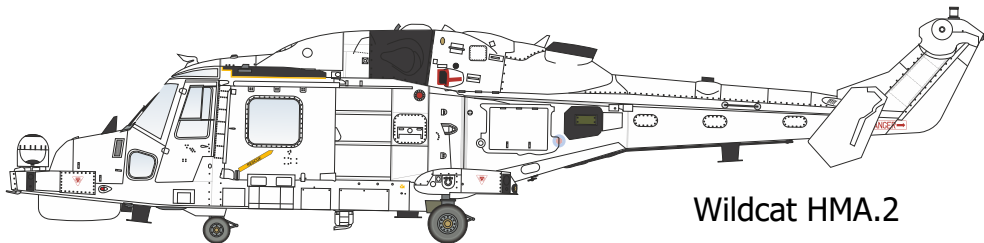
Wildcat

1:72
Scale

HMA 2/AH.1

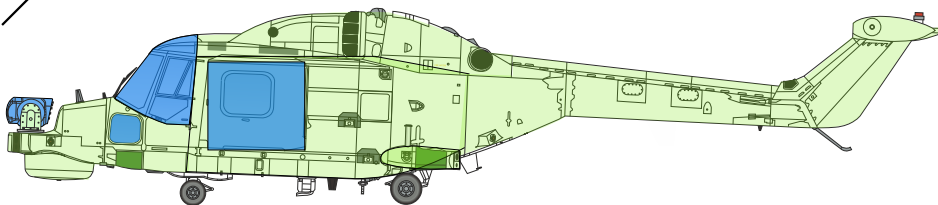
AIR-GRAPHIC MODELS

Leonardo AW159 Wildcat Drawings



Note* These instructions generally cover the HMA.2 version

1



Resin Parts



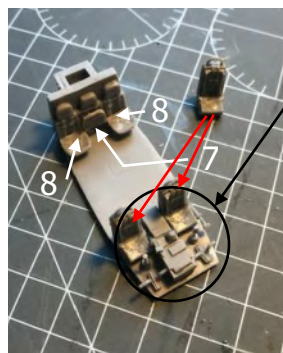
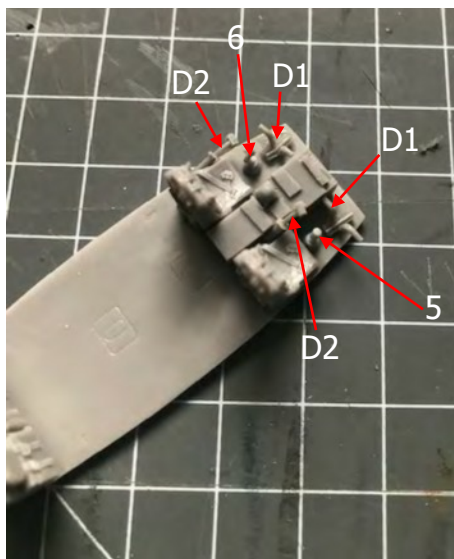
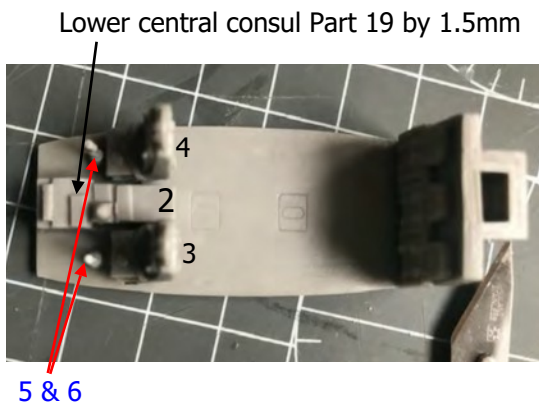
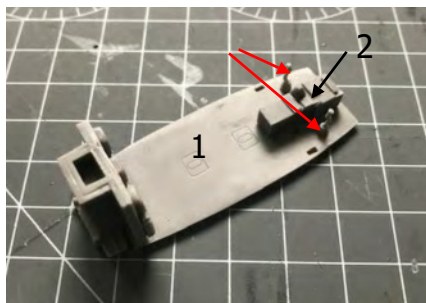
Clear Glazing



2

Cabin Assembly

Resin Parts 5 & 6



Construction Notes*

Do not fit the instrument panel Part 9 at this stage.

Lower the central consul Part 2 by 1.5mm

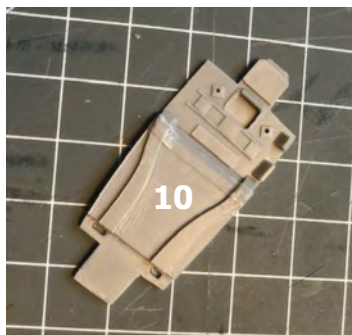
Part 7, Note* this seat is often folded up or taken out. Note there are two Part 7.

I have not painted the interior so that you can see the sequence of construction.



3

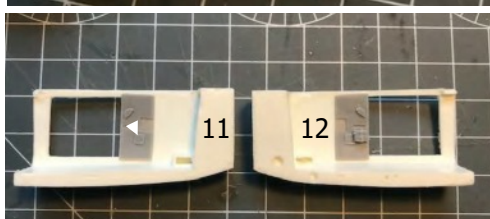
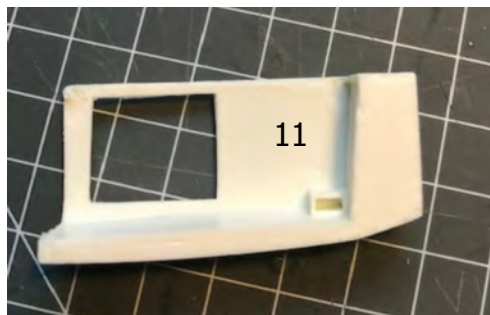
Cockpit/Cabin Continued



Cabin roof Part 10.
This is just dry fitted at this
Stage to ensure everything fits

4

Cabin walls



Main cabin construction plus new internal
Cabin rear side walls.



5

Fuselage Assembly



Completed fuselage
Sides and cabin
fitted.



Joint lines made
good with filler.
I used Squadron Green
Stuff so it could be
seen on the photos.

Note nose Part 15 has
also had any air bubbles
of moulding lines
filled and sanded.
Also, I sanded the
underside of the nose
front much flatter.

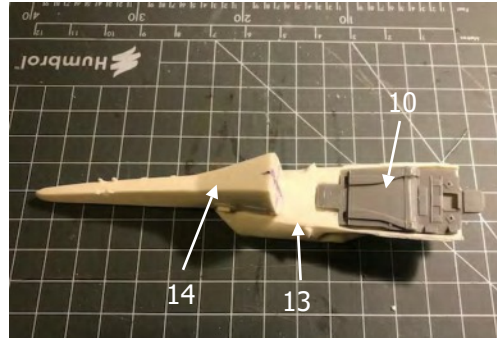


Nose grafted to fuselage.
Blend this in with filler.
The nose glazed windows
can also be fitted at this
Stage if required.
Parts 16 and 17.



7

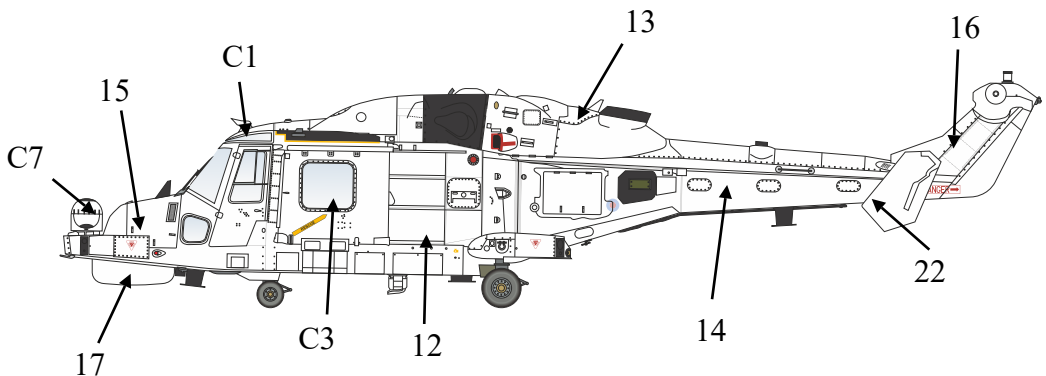
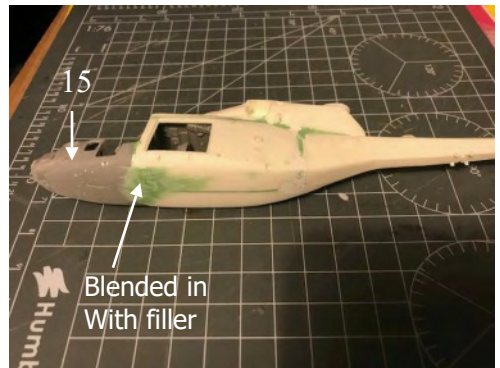
Tail and Top Deck Assembly



Line Parts 26 and 27 through the Centre line to ensure both are straight

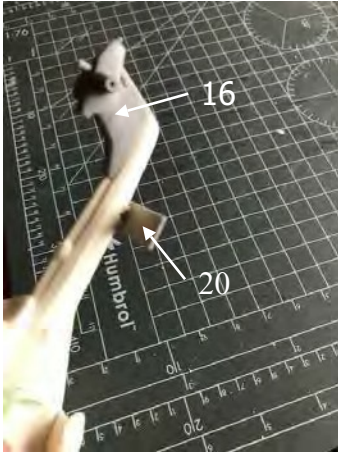


Forward and rear sections matted together and blended in.



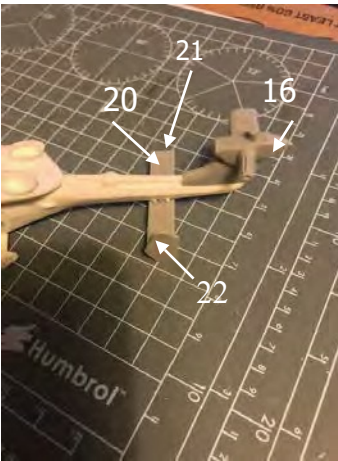
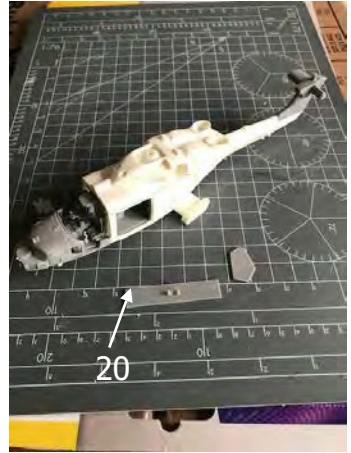
8

Tail Assembly



Fit tail Part 16 and blend in with fine filler.

Part 20 is Fitted and left aside to set.



Fit tail fin Part 16.

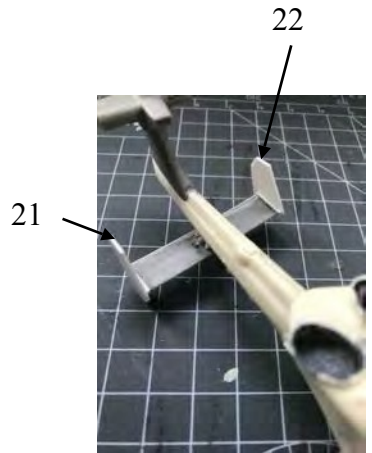


Fit side/wheel Hubs, Part 18 & 19. Take care to get these correctly aligned. Blend in With filler.



8

Tail Assembly Continued



Detail of rear of tailplane.
Note square edge



Pictures:
Gary Madgwick RIAT 2019

9

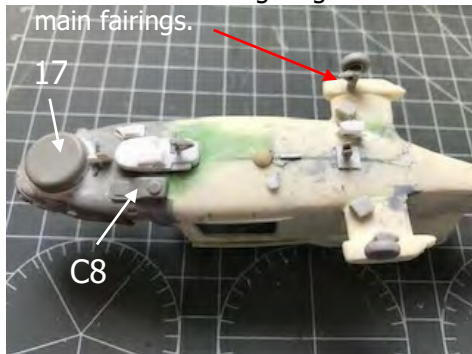
Underside Detail

Note for AH.1 - Part 17 is not required



Once you are happy with the finish of the underside, start to detail this.
Note, Grey parts are resin in general and the White parts are scratch built.

You will need to drill the holes for the undercarriage legs in the main fairings.

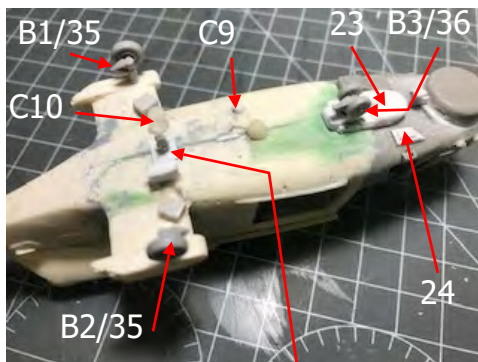


Aerials, and undercarriage fairing are fitted. Parts B1 & B2 for the undercarriage legs and wheels.



Aerial 33 on AH.1 version

Front undercarriage leg fairing 23
Part 34 will need shaping as shown



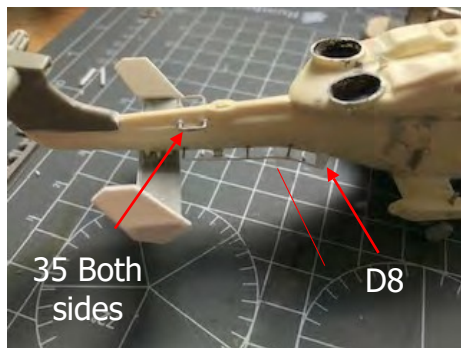
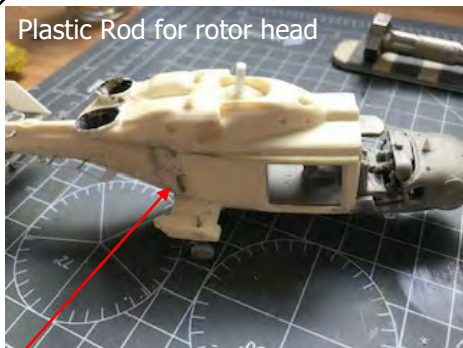
Note* cut out a square for the harpoon Box D5 and fit harpoon hook 37.
Part C9 is recessed into fuselage.



10

Fuselage Detail

Plastic Rod for rotor head



35 Both sides

D8

Fit resin Part 46. Note Part 45 is not used on HMA.2 but on opposite side for AH.1. Ensure these fit behind the door when open.

Not plastic rod for rotor hub fitted at this stage. Aerials 58 and 59 fitted.

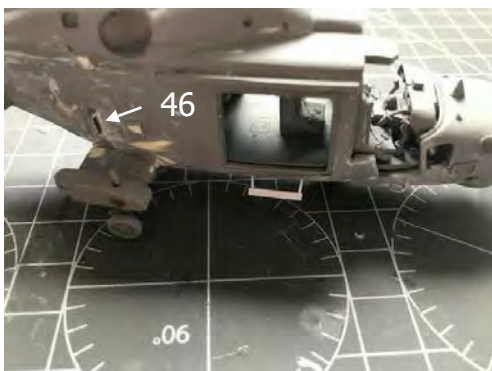


43

43

Note* I undercoated the complete model at this stage and cleaned up any joints and resin with a fine white filler.

Steps D3 and D4 added. Do not fit D4 if pylon D6 is to be used.



46

06



D3

11

Main Rotor Assembly

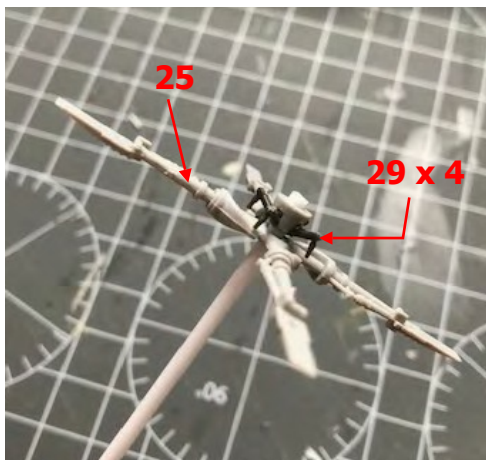
Fit Part 30 to main hub on Part 13.



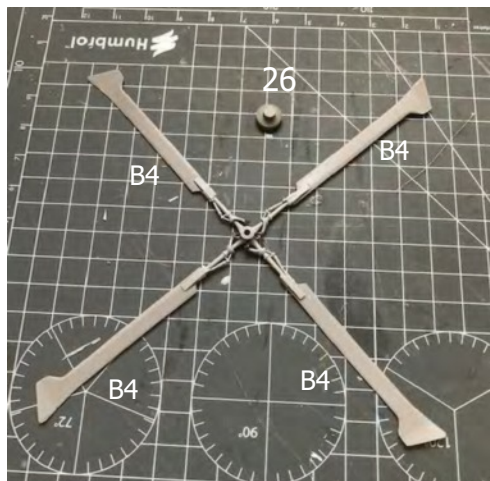
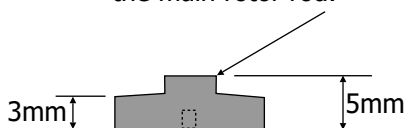
Dry assembly of the hub onto the main rotor arm. Note the actuator arm position.

Also Note, the main rotor arms are shown upside down in this picture as I needed to align everything up.

Rotor blades resin Parts B4 fitted to the rotor arm Part 25. Rotor head Part 26 sits on the top of the rotor head



Note* Part 26 needs to be reduced in height and a hole drilled to take the main rotor rod.



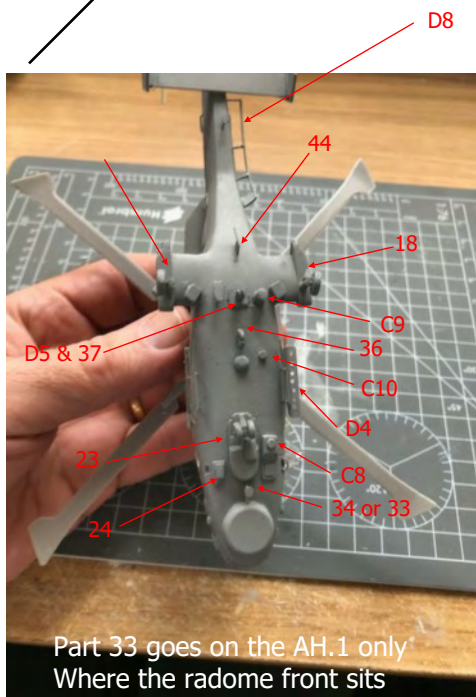


Part 27 is the small tail rotor hub. This needs some small amount of cleaning up.

Part 33 are the rotor arms. These are fixed to Part 27.

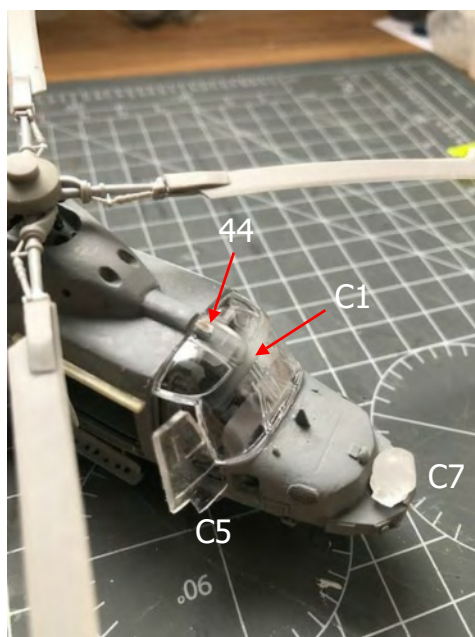
Once fitted Part 28 is then fitted over the main tail rotor.





Part 34 aerial sits in front
Of the front undercarriage fairing

Completed rotor head and blades



Top door rails fitted either side. Glazed parts
Also fitted









Left: Rear undercarriage leg, wheel and sponsons detail.



Left: Detail of the cabin door, cockpit door and step.



Left: Machine gun and mount detail. The gun can be mounted either side of the cabin.



Left: Nose detail.



Left: Army version which does Not have the radome fitted.

Note machine gun and mount Part D6.

Also not aerial cutter Part 44

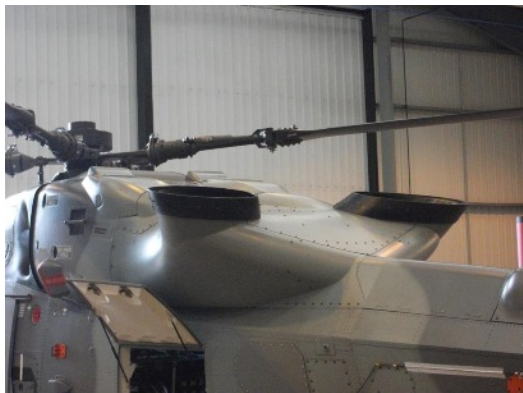


Left: Nose detail of HMA.8.
Note aerial 41

Note aerial on nose Part 42.

Below: Tail detail.





Above: Engine deck detail.
Note aerial 41



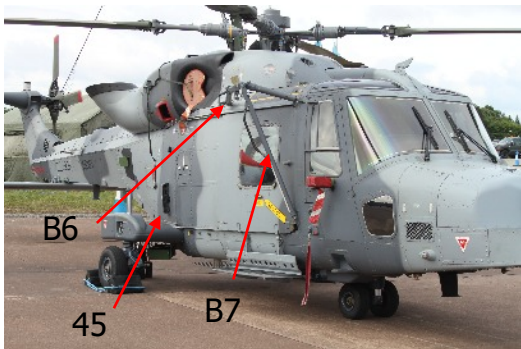
Above: Rotor head detail.

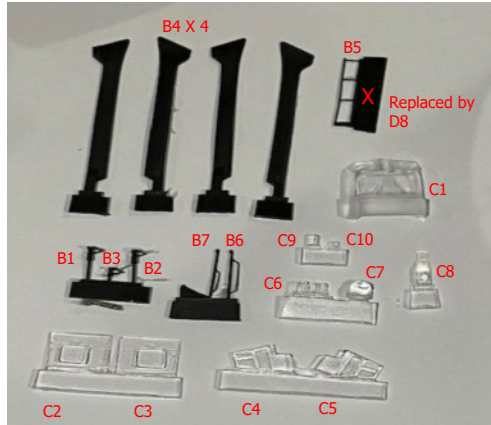
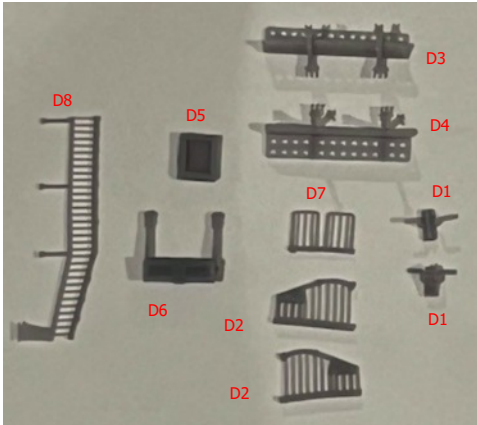


Above & Below: Tail detail



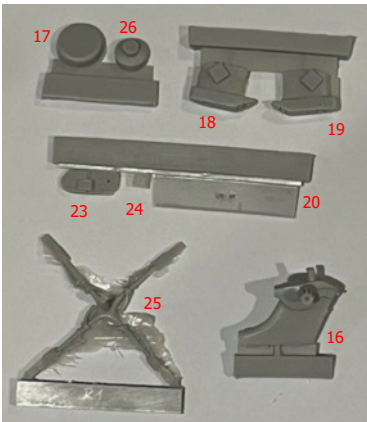
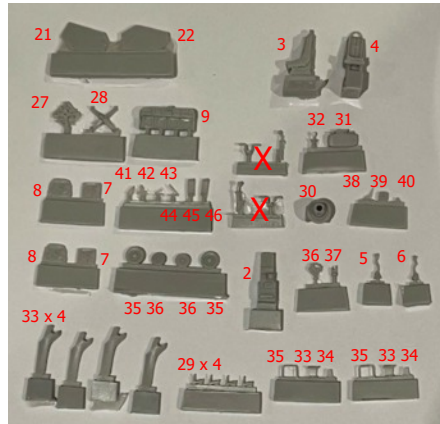
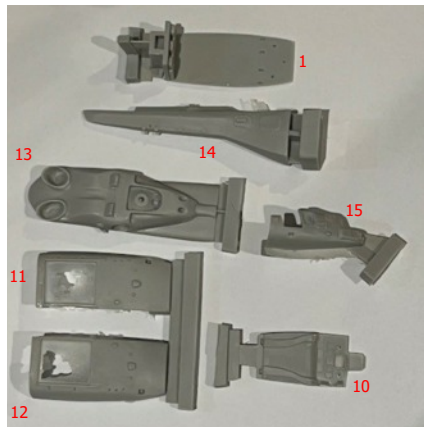
Above: Rear fuselage detail.
Note winch frame B6 and B7





Note C6 are the front cabin lower windows,

3D Printed Parts



Note* There are different fit of aerals
So reference will be needed on which
Aircraft you are modelling.



INSTRUCTIONS

- Remove any flash by gently snapping off, or cutting with a scalpel and then lightly sanding.
- Only use Super-glue or a two-part epoxy glue to fix parts.
- Gluing is easier if mating surfaces are slightly sanded to roughen the resin before gluing. Also clean off any dust before gluing.
- Before painting, thoroughly wash all parts in warm water with detergent.
- We recommend the application of a base coat in a light colour to show any blemishes prior to final painting.

WARNING & SAFETY!

- These parts are moulded in polyurethane resin. Please take care when sanding and cleaning up the resin by wearing a dust mask or other protective breathing device to avoid inhalation of the dust particles.
- Wash hands, resin parts and the work surface after sanding resin.
- When using Super-glue or two-part epoxy glue, please take precautions to avoid contact with skin and eyes.
- It is also advisable to wear a mask to avoid breathing in any fumes from the glue or work in a ventilated room.
- The use of barrier creams on hands or wearing disposable gloves, and working in a well ventilated area, is strongly recommended.
- Not suitable for children under 14 years of age.

Thank you for purchasing this Air-Graphics product which forms part of a range of accessories, conversion sets, decals & kits all to 1/72 Scale.