Avro Anson Mk.1 Detail Set

These sets provide many fine details and replacement parts for use with the Classic Airframes kits. These instructions cover the detail sets for both the early and late style canopy versions - with the differences noted in the assembly text.

Flightpath produces an unparalleled range of super-detailed ground & airfield equipment, should you wish to display your Anson in a diorama setting -
WW2 Dispersal Set & WW2 Airfield Cycles
Nissen or Standard Airfield Huts
Air Raid & Blast Shelters
An *accurate* WW2 Control Tower kit
Beaverette Point Defence Vehicle
Visit our web site - www.djparkins.com

Assembly Notes -
The assembly is broadly divided into the following sections:
interior
cabin framing
airframe
undercarriage
engines
wing flaps

The main colour coded assembly drawings MUST be used in conjunction with the notes below. To avoid stating this over and over throughout these instructions - *check the rear of every likely etched part to see if there is any push-through rivet detail present.* All etched parts are numbered on the frets for easy indentification. Generally, all fold lines are on the inside of the part BUT not always. For example, those where 180 degree folds are required or where a fold is required next to a fragile area will often have the fold lines on the OUTSIDE of the part. *Be guided by the assembly drawing and NOT by which side you think the fold line should be on.* Spares are provided for many of the smaller items in this set.

There is much cabin framing supplied in this set. This is ideally shaped and painted before assembly. These parts can then be best fitted using a clear contact adhesive, such as Bostik or Evo-stick [available in the UK - at least - in blue tubes]. These adhesives can be applied to both the rear of the etched framing and to the relevant areas of the aircraft and allowed to semi-dry before the etchings are added. They will then stay in place and yet still allow movement for final positioning of the etchings. Afterwards, any excess adhesive can be easily removed with a scalpel blade without any damaging of the transparencies.

Assembly

Interior -
Note that the kit instrument panel film and kit parts PE10 & PE11 are not used. Form the new instrument panel section [part 1] and fit to kit part C8 as shown. Paint front surfaces white. Paint the rear of films 1-4 white. Paint parts 5, 6 & 11 as appropriate and fit film 1 to the rear of part 5 and fit this assy. to the LH side of part 1. Fit film 2 behind the blind flying panel [6] and add this assembly to part 5, where indicated. Fit film 3 behind part 11 and fit this assy. to the RH side of part 1. Fit part 2 to part 1, where shown, and paint white. Paint rear of film 4 white, and fit over part 2, adding parts 3 & 4 after first painting.

Fit parts 7, 8 & 9 where indicated on part 1, adding part 10 into the slot provided. Add parts 12 & 13 to part 11, where indicated.

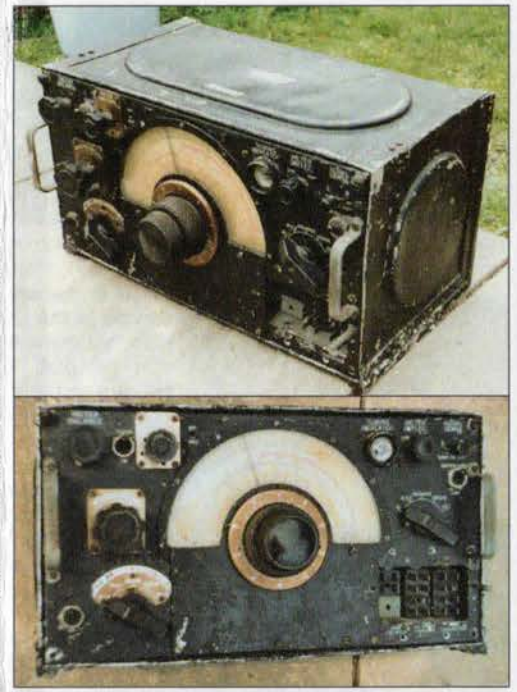
Make a replacement stick from parts 15-19 as shown and discard kit parts R16 & R23. Parts for a second unit are included, in case you wish to model a dual stick machine. Parts 14 are throttle and mixture control levers that can be used in place of kit parts PE12. These are fitted into small location holes in the kit instrument panel upright [kit part R9].

Parts 20-22 can be laminated to make a trim-tab wheel - this can be fitted via a short length of wire [not supplied] - usually to the starboard side of the base of the pilot's seat.

Part 23 is fascia for the aft face of the navigator's table [kit part R56]. Part 24 is a plotting mat for the navigator's desk. Add part 25 over the raised areas on part 24. Parts 26 & 27 can be painted and added to part 24 where desired. Part 28 can be left unpainted and added to part 24.

Form up wireless operator's table [replaces kit parts R17 & R55] from part 29 - folding the sides of the table downwards [the front edge incorporates the support bracing - which is fitted to kit part R2]. Fold the RH side framework back upwards to point towards the cabin roof.

Form the 1154 Transmitter from part 30 and the 1155 Receiver from part 33. Add part 31, parts 32 x4 and parts 34 x6 to the front face of part 30. Fit a part 34 to the front of part 33, where indicated. Add control knob to location in part 33 from a short length of wire/rod [not supplied]. Note that film 5 is used behind the upper dials in part 30, whilst film 6 is used inside the front panel of part 33. The rear of these should be painted white and then fitted from the inside after these assemblies have been painted. Part 33 fits into the etched recess provided in the upper surface of part 29. Part 30 fits to the top of part 33. Note that these units would have much cabling going into the rear faces. At a minimum you should cut a blanking-off plate to size from thin plastikard or metal and fit to the rear of parts 33 & 35.



Framing
It is recommended that all the parts in this section are painted beforehand and then fitted to parts CP2 & CP3 on the finished aircraft.

Fit main cabin side window frames 1 [port] & 3 [starboard] in place, adding part 2 to the aft port window. Note that part 3 incorporates a new cabin entry door. Add the forward sections of these frameworks for the canopy style version you are modelling. These are either parts 1 [port - with part 3 added] and 4 [starboard - with part 6 added] from the 'Early Version' fret or parts 1 [port] and 3 [starboard] from the 'Late Version' fret.

Glaze and fit sliding cab side windows over the cabin side framing units. These are either parts 2 [port] and 5 [starboard] from the 'Early Version' fret or parts 2 [port] and 4 [starboard] from the 'Late Version' fret.

Fit windscreen [part 7 from the 'Early Version' fret] or the windscreen halves [parts 5 - starboard & 6 - port from the 'Late Version' fret], adding cockpit top framing [8 for early version or 7 for the late version]. Fit the two parts 4 over the two relevant areas in the cabin roof [kit part CP2].

Airframe - Form, glaze and fit part 1 under nose, as shown, cutting a suitable aperture in the undersides of the kit fuselage halves, after first sanding these smooth. Part 2 is a landing light frame, which you can fit to kit part CP8, or, for an alternatively fitted aircraft, part 32 can be fitted over and around the landing light assembly in the leading edge of the port wing [also see kit instructions].

Parts 3-5 are frames for the small nose windows fitted on some Mk.1s - part 3 at the starboard side, part 4 at the front and part 5 on the port side. These fit to kit part CP8 and are supplied in two styles - if possible, check your references for the individual aircraft you are building. Laminate parts 6 & 7 and

fit this unit into a location hole drilled in the underside of the kit nose, via the version of part 8 with the slot in it. This assembly replaces kit part A11 but if you are going to use the kit part then we supply a second version of part 8 with a hole included so that this part 8 can be fitted around kit

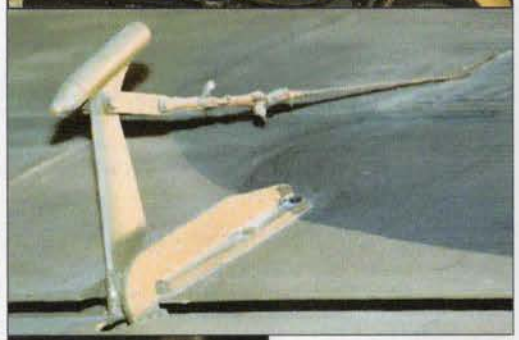
part A11 before it is fitted to the bottom of the fuselage.

Parts 9, 10 x4 and 11-14 assemble to make the windscreen wiper assembly as fitted to aircraft with the later style canopy framing. This is shown in the assembly drawings and the reference photos included.

Laminate D/F loop from parts 15 x2 & 16 x2, and fit to the cabin roof in place of kit part R32 - again, check positioning on aircraft you are modelling.

Form, laminate and fit parts 17 & 18 to the top of the fin - removing the equivalent plastic area first and add the rudder hinge points [19-22], where indicated. Fit elevator actuators from parts 23 & 24 [laminated], fitted as noted, to location holes drilled in the kit tailplanes, shaping and adding a length of the fine wire supplied, as shown. Note that the wire fits into the pockets that are formed by the laminating of parts 23 & 24. These assemblies replace kit parts PE3 & PE4.

Fit upper flap actuators from parts 25 & 26 [laminated] and the lower ones from parts 27 & 28 [again, laminated], fitted as noted, to location holes drilled in the kit wings, shaping and adding a length



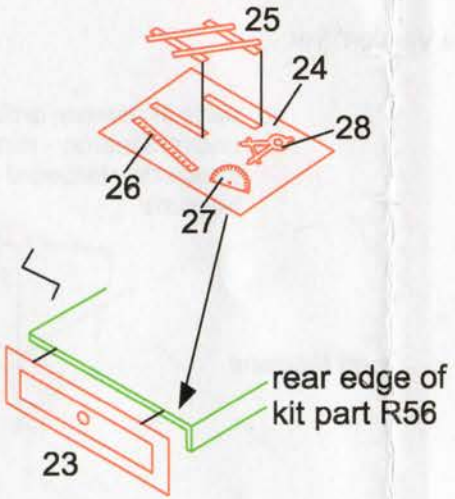
of the fine wire supplied, as shown. Note that the wire fits into the pockets that are formed by the laminating of parts 25 & 26 and parts 27 & 28. Note that the upper section of all these parts are folded outwards and over through 180 degrees with the fold lines on the outside of the fold. These assemblies replace kit parts PE5 & PE6. Form and fit parts 29 and 30 [each x3] and fit to the upper surfaces of the wings and flaps. These units replace kit parts PE6 & PE20.

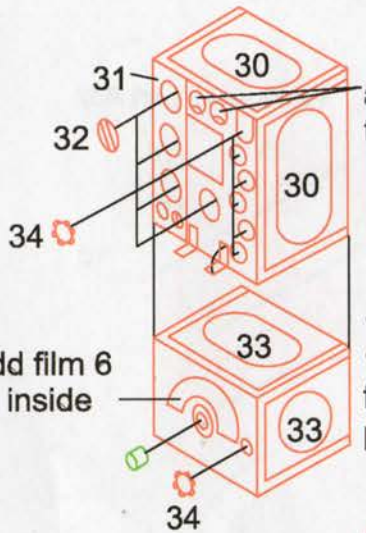
Fit step frame [3] under fuselage door [part of part 3 from the 'Cabin Framing Common' section] on the starboard fuselage side.

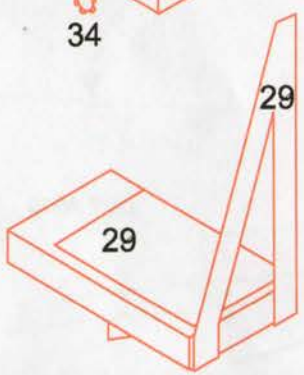
Interior

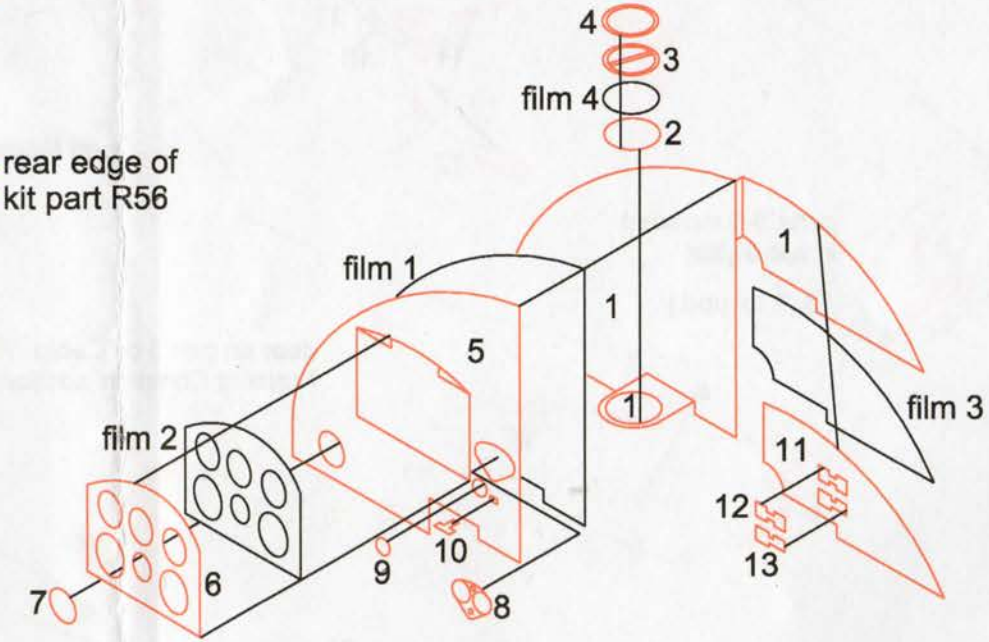
Red = etched part
Green = kit part or wire etc.

14 - levers for kit part R9

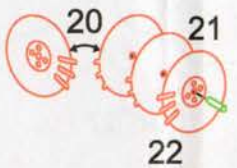


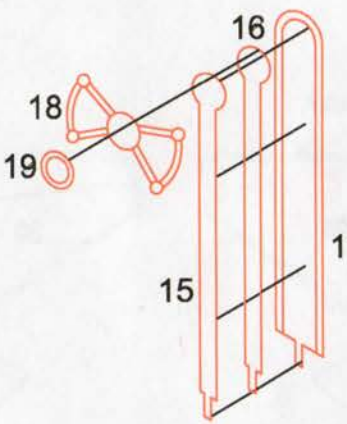




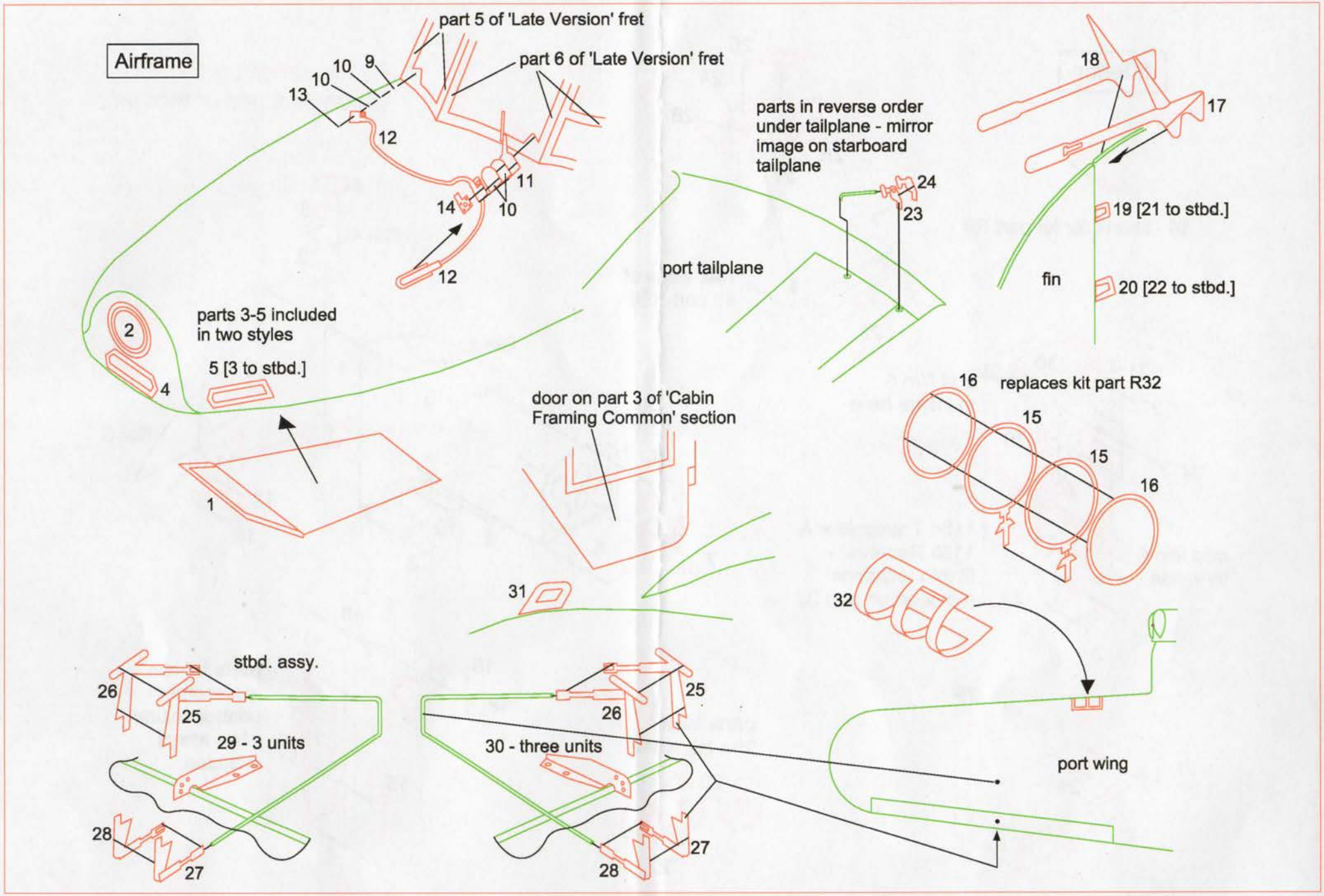


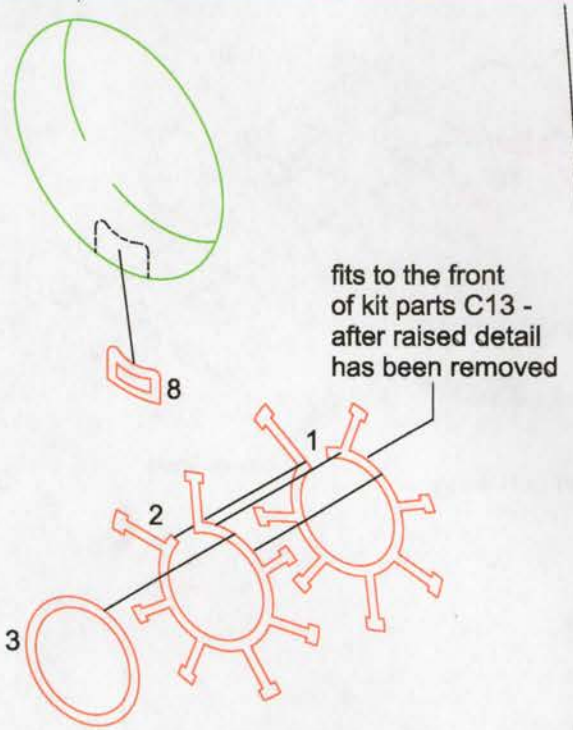
parts for a
trim tab wheel



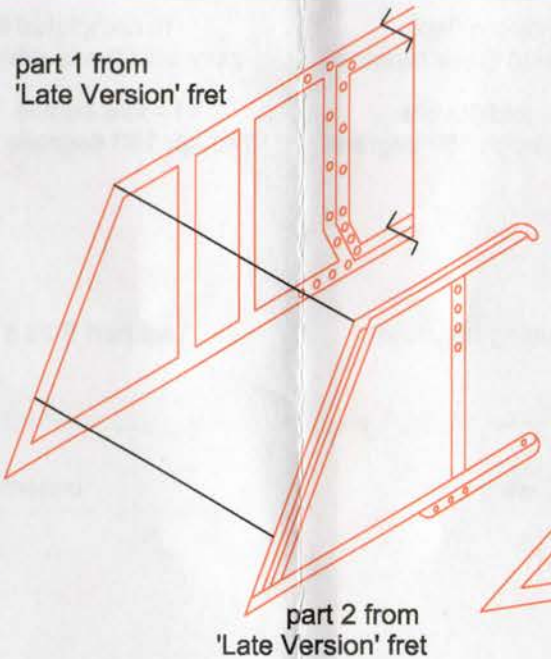


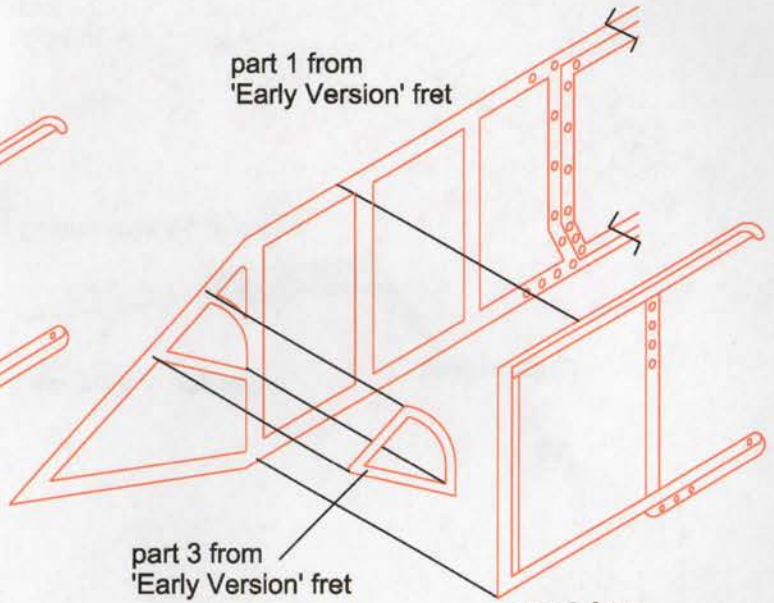
parts for two
replacement
control column
- two assys.
included


Airframe
part 5 of 'Late Version' fret
part 6 of 'Late Version' fret
13
10
10
9
12
11
14
10
12
parts in reverse order under tailplane - mirror image on starboard tailplane
24
23
port tailplane
18
17
19 [21 to stbd.]
fin
20 [22 to stbd.]
parts 3-5 included in two styles
2
4
5 [3 to stbd.]
1
door on part 3 of 'Cabin Framing Common' section
31
16
replaces kit part R32
15
15
16
32
stbd. assy.
26
25
29 - 3 units
28
27
26
25
30 - three units
28
27
port wing

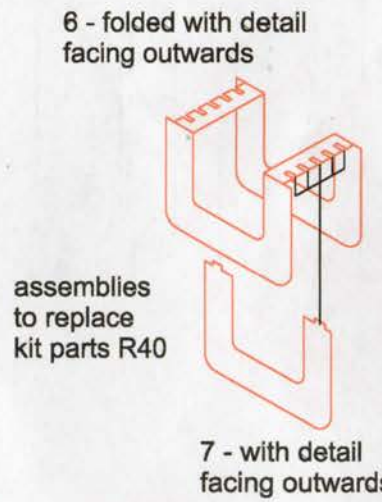


Engines

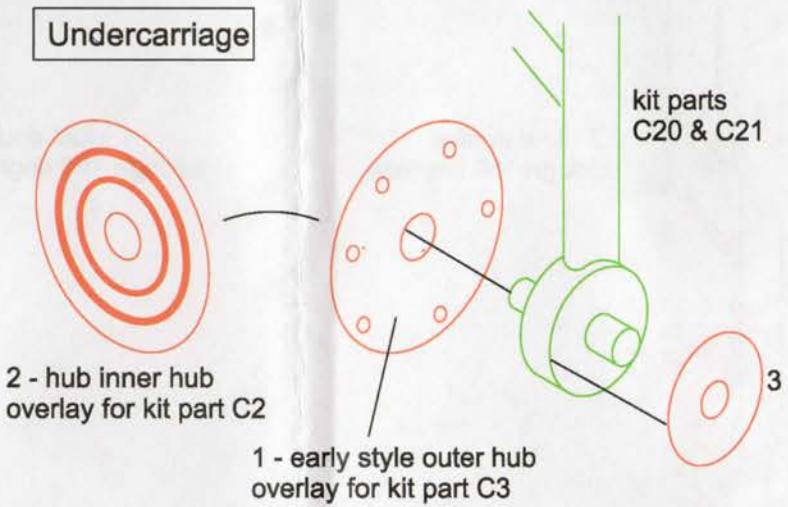


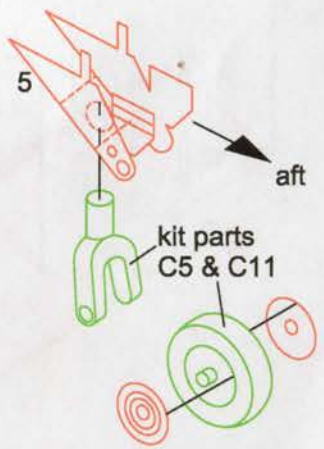


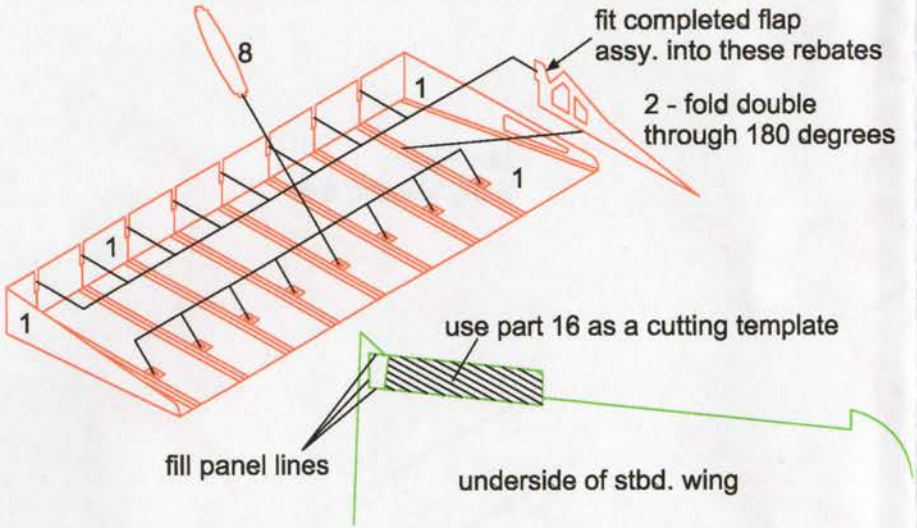
Framing

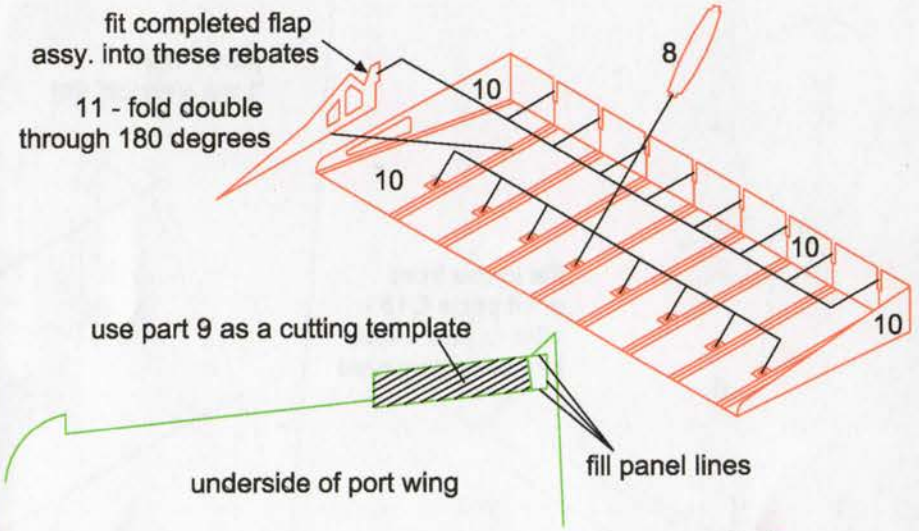


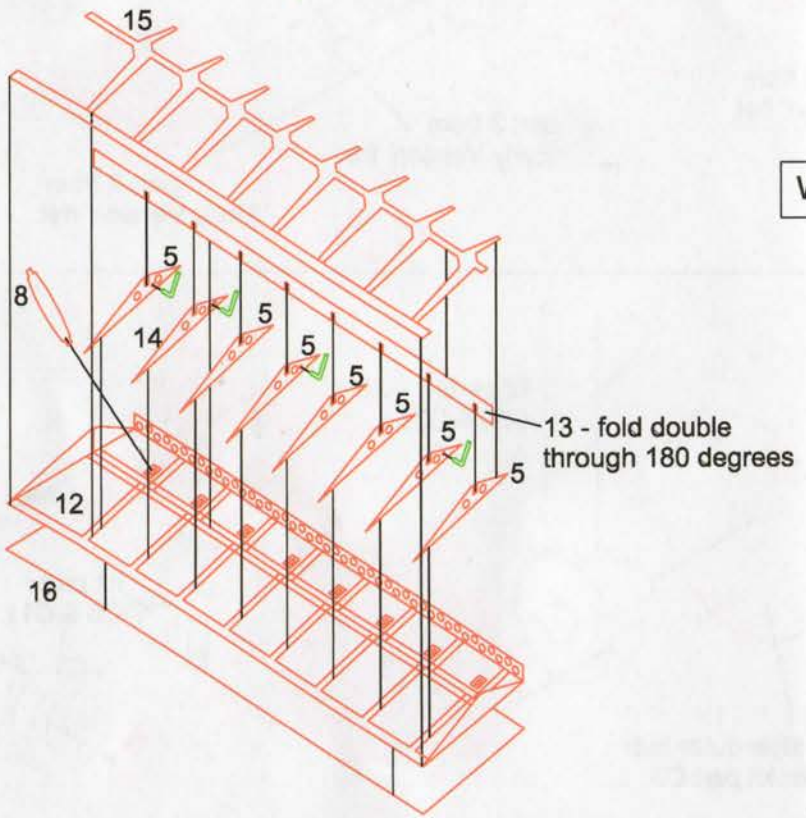
Undercarriage



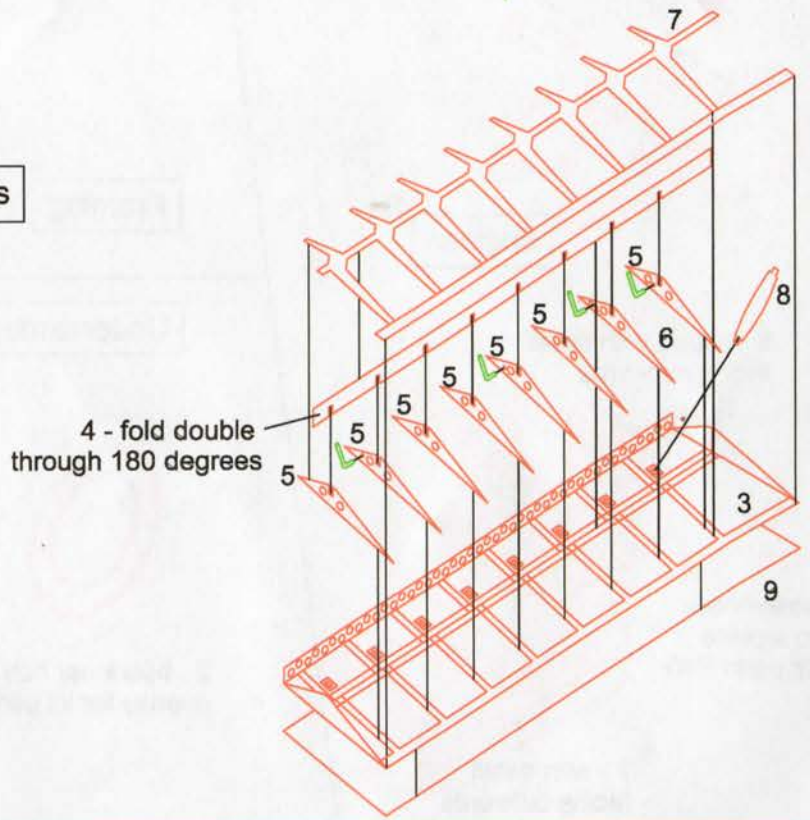



fit completed flap
assy. into these rebates
2 - fold double
through 180 degrees
8
1
1
1
1
use part 16 as a cutting template
fill panel lines
underside of stbd. wing

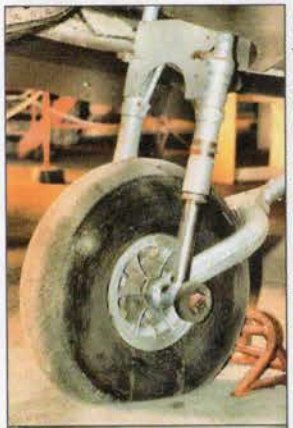

fit completed flap
assy. into these rebates
11 - fold double
through 180 degrees
8
10
10
10
10
use part 9 as a cutting template
underside of port wing
fill panel lines


15
8
5
14
5
5
5
5
5
5
13 - fold double
through 180 degrees
12
16

Wing Flaps


7
8
5
5
6
5
5
5
5
4 - fold double
through 180 degrees
5
3
9

Undercarriage -



For the early version kit, add parts 1 over the wheel hubs on kit parts C3. Fit parts 2 over the wheel hubs on kit parts C2. Fit parts 3 to each side of kit parts C20 & C21 as shown.

Parts 4 are crisper and stronger etched flanges for the bottoms of the main undercarriage struts [kit parts R26]. Sand the relevant areas off of kit part R26 if fitting our parts 4.

Parts 6 are hub overlays for the tail wheel [kit part C11]. The tail wheel assembly should be fitted into our part 5, after this part has been formed. Part 5 should then be fitted into two location holes drilled into the fuselage underside.

Engines -

Laminate ignition lines from parts 1 & 2, adding part 3 to the front of part 2. Take care when laminating parts 1 & 2 so that the ignition lines are correctly staggered as shown. Add each assembly to kit part C13, after first removing the raised detail from these

parts - shaping the ignition lines as appropriate. Parts 8 should be fitted inside the lower front edge of each nacelle, if your kit has the later engine cowlings.

Parts 4 replace the fragile kit parts R35 and 2 x parts 5 should be laminated and added to the front faces of the propeller bosses on kit parts C10 in place of kit parts R36. Kit parts PE14 [which are superb] should be then be added to the front of the propeller assemblies.

Replace kit parts R40 with our etched assemblies, each constructed from parts 6 [folded with the detail facing outwards] and parts 7 x5. Note that the detailed sides of parts 7 are fitted into the slots provided in part 6 and should all face outwards when the assemblies are installed on each nacelle - you can see the detail - honest! These assemblies can be left unpainted for added detail.

Wing Flaps -

Note - Sheet space and price constraints mean that only can offer the more common Longer Flap/ Shorter Aileron wing configuration option in this set.

Note - port and starboard flap assys. are a mirror image of each other. Note that parts 6 & 14 are handed and that the half-round pocket for the wire strut folds upwards from the bottom of these parts, through 180 degrees - with the pocket on the outer side of the part. Also to be noted is that there are TWO versions of parts 5 and you should study the assembly drawings to ensure that these are fitted into the correct locations in parts 3 & 12.

Using parts 9 & 16 as scribing templates - remove the shaded areas shown from each lower wing half. Fill remaining flap outlines on kit lower wing halves, as indicated. Assemble the flap tray units, as shown, using part 10 & parts 11 x8 for the port unit and part 1 & parts 2 x8 for the starboard unit.

Assemble the port flap by folding up the sides and the riveted fwd. edge of part 3. The exact angle of this is dependent on the fixing of the flaps later and is determined by the fitting of parts 8. Fit part 9 to the underside of part 3.

Fit parts 5 [two styles as previously noted] and part 6 [the correct one] to part 3, where indicated and

add part 4 [folded double] into the slots in parts 5 & 6 and on down, to locate into the recess provided along part 3. Shape and add part 7 over parts 4, 5 & 6. The trailing edge of part 7 should be blended in with that of part 3.

The flap is fitted into the port flap tray by fitting the riveted fwd. wall of part 3 into the rebates in parts 11 in the flap tray assy., as noted. Parts 8 x8 are then fitted into the locations provided in the flap tray [part 10] and in part 3 of the flap unit. The fitting of these determines the angle that the flap is set at. Finally - shape and add lengths of the .3mm wire supplied into the location holes in parts 5 x3 and part 6 as shown. These run off up into the wing [see photos] and should be cut to a suitable length.

Assemble the starboard flap in exactly the same way but noting the part number differences as detailed in the assembly drawing.