

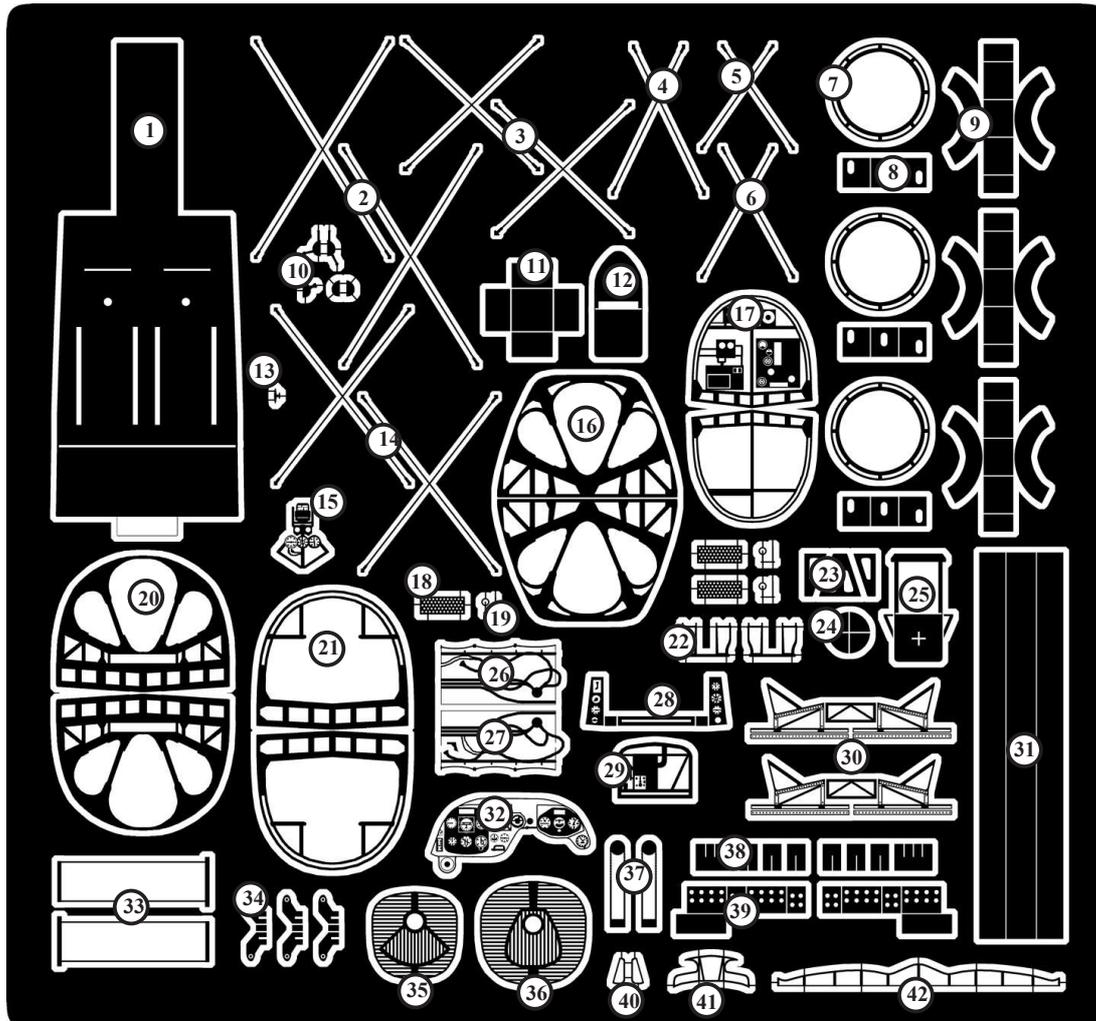
# WHITE ENSIGN MODELS

## CANT Z501 "Gabbiano" Flying Boat

### General Detail Set

Photoetched metal detail set for the **Italeri** kit in 1/72 scale

#### PARTS LIST

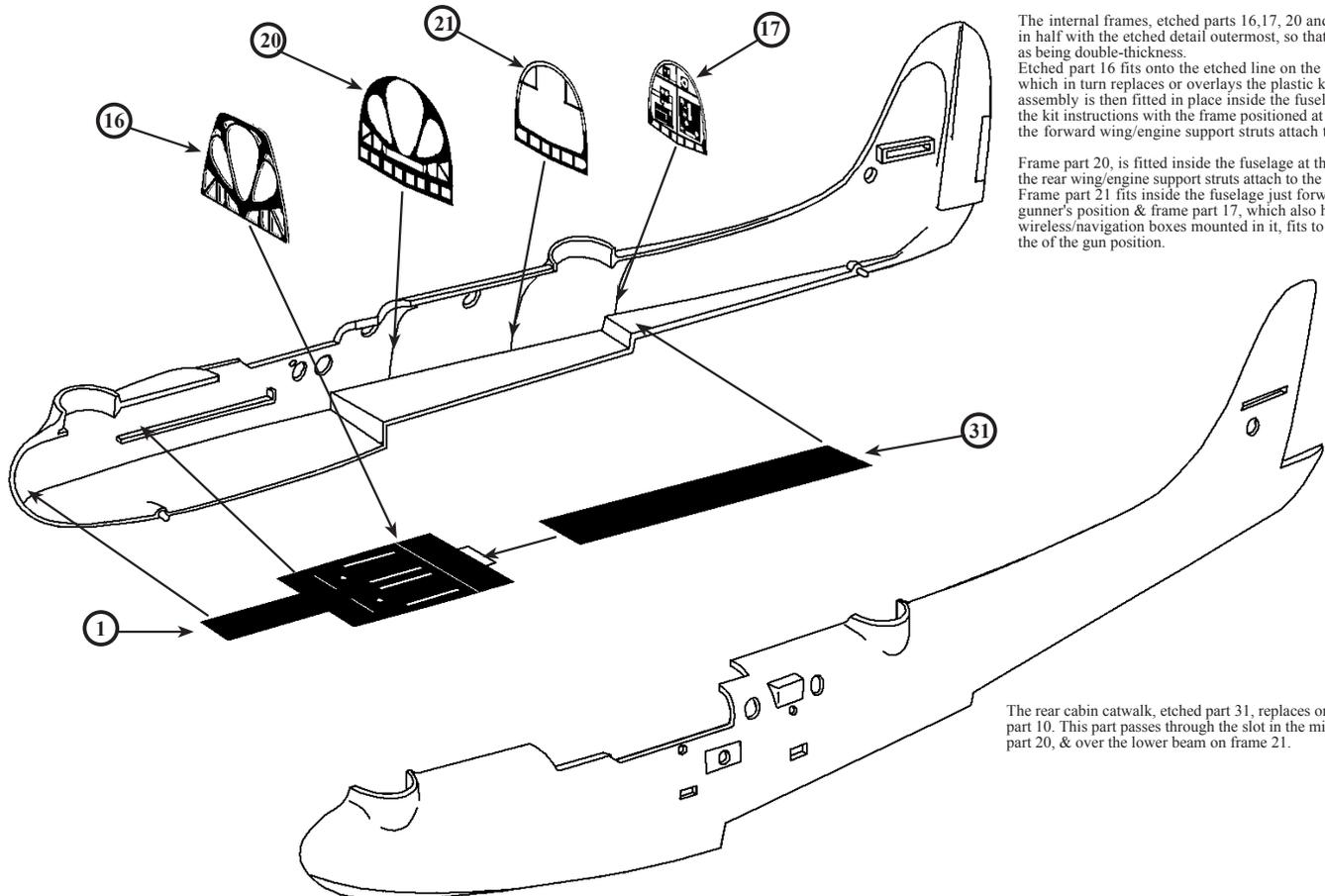


- |  |   |                                       |                                  |
|--|---|---------------------------------------|----------------------------------|
| 1. Cockpit Floor                       | 11. Front Gunner's Seat Base            | 22. Rudder Pedals                     | 33. Cabin Hammock Seats          |
| 2. Bracing Wires (Inner Wing Struts)   | 12. Front Gunner's Seat                 | 23. Rear Gunner's Seat Spindle        | 34. Gun Mounting Brackets        |
| 3. Bracing Wires (Float Struts)        | 13. Nose Mooring Rope Cleat             | 24. Rear Gunner's Seat Base           | 35. Engine Radiator Grille 69A   |
| 4. Bracing Wires (Engine Struts Rear)  | 14. Bracing Wires (Outer Wing Struts)   | 25. Rear Gunner's Seat                | 36. Engine Radiator Grille 69B   |
| 5. Bracing Wires (Engine Struts Mid)   | 15. Nose Gunner Nav Instruments         | 26. 2nd Pilot's Side Panel            | 37. Control Column Linkage       |
| 6. Bracing Wires (Engine Struts Front) | 16. Main Cabin Frame (Front)            | 27. 1st Pilot's Side Panel            | 38. Pyro Box Inner Assembly      |
| 7. Gun Position Scarf Rings            | 17. Rear Fuselage Frame & Wireless Sets | 28. Upper Gunner's Engine Instruments | 39. Pyro Boxes                   |
| 8. Ammunition Box Front Panel          | 18. Gun Cooling Shrouds                 | 29. Upper Gunner Position Frame       | 40. Engine Strut Handles         |
| 9. Ammunition Box Body                 | 19. Gun Sights                          | 30. Pilots' Seat Frames               | 41. Rear Gun Training Stop Frame |
| 10. Throttle Assembly                  | 20. Main Cabin Frame (Rear)             | 31. Rear Cabin Catwalk                | 42. Top Gun Trainga Stop Frame   |
|  | 21. Mid Fuselage Frame                  | 32. Pilots' Instrument Panel          |                                  |

#### Photoetched Parts General Instructions

- Do not remove the etched parts from the fret until you are ready to use them.
- Before assembly, soak the etched parts in a suitable solvent, such as white spirit, to de-grease the surfaces for painting.
- Cyanoacrylate adhesive (super glue) or contact adhesive such as Elmers white glue may be used. These can be applied with a pin or piece of stretched sprue.
- When removing parts from the fret, place the fret on a hard surface, such as a smooth ceramic tile, in order to prevent parts bending whilst cutting through the holding tabs. We suggest using a #11 type of modelling knife blade for this purpose.
- When shaping or bending a part, a straight edged blade such as a chisel blade #17 or #18 will give a good sharp corner, or alternatively a small pair of smooth jawed pliers may be used.
- If a part is bent incorrectly, lay it on a hard flat surface and roll it flat with a cylindrical object such as a modelling knife handle.

## INTERIOR FRAME & FLOOR ASSEMBLY



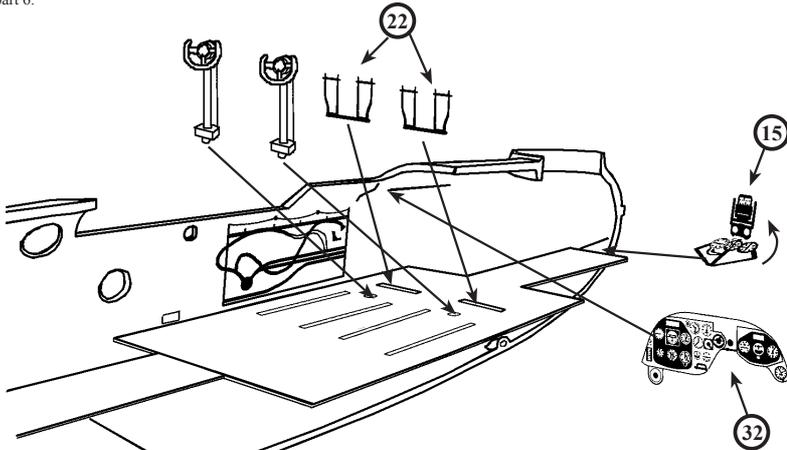
The internal frames, etched parts 16, 17, 20 and 21 are folded in half with the etched detail outermost, so that they are fitted as being double-thickness. Etched part 16 fits onto the etched line on the cockpit floor, which in turn replaces or overlays the plastic kit part. This assembly is then fitted in place inside the fuselage half as per the kit instructions with the frame positioned at the point where the forward wing/engine support struts attach to the fuselage.

Frame part 20, is fitted inside the fuselage at the point where the rear wing/engine support struts attach to the fuselage. Frame part 21 fits inside the fuselage just forward of the rear gunner's position & frame part 17, which also has the wireless/navigation boxes mounted in it, fits to the rear of the of the gun position.

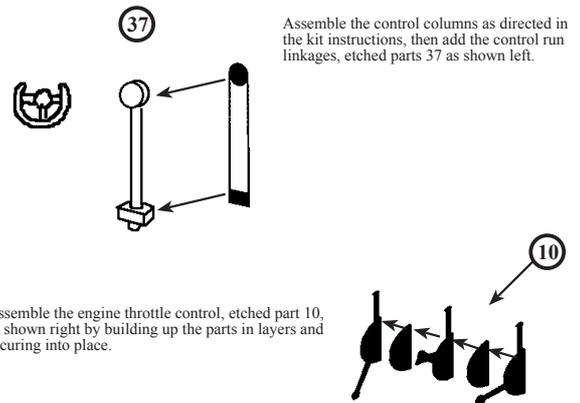
The rear cabin catwalk, etched part 31, replaces or overlays kit part 10. This part passes through the slot in the middle of frame part 20, & over the lower beam on frame 21.

## PILOTS' CONTROLS LOCATION

Fit the rudder pedals, etched parts 22, down through the slots in the cockpit floor as far as they will go. Fold the compass indicator on the observer/gunner's instruments, etched part 15, upwards at an angle, then fit in place in the nose so that the point of the mounting frame fits centrally to the front of the catwalk. Fit the pilots' instruments, etched part 32, into the fuselage half as a direct replacement for kit part 6.



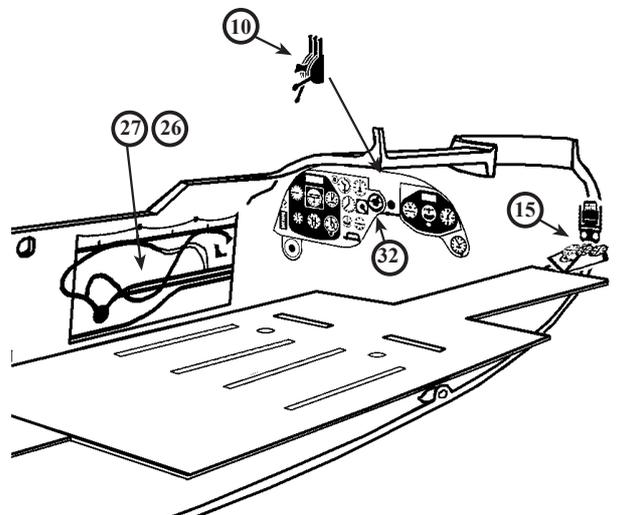
## PILOTS' CONTROLS ASSEMBLY



Assemble the control columns as directed in the kit instructions, then add the control run linkages, etched parts 37 as shown left.

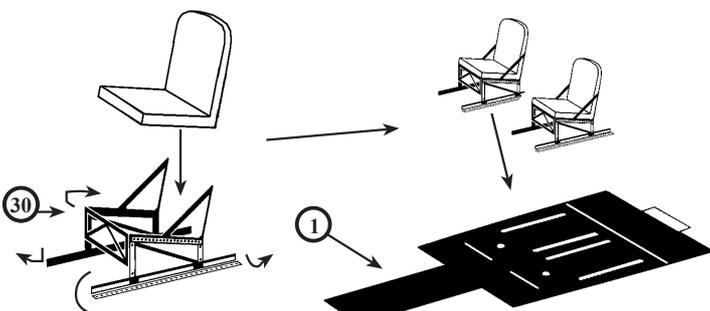
Assemble the engine throttle control, etched part 10, as shown right by building up the parts in layers and securing into place.

## THROTTLE BOX LOCATION



Fit the pilot's & 2nd pilot's side panels, etched parts 26 & 27 to the inside surfaces of the fuselage half as shown above. Fit the engine throttle assembly to centrally to the lower windscreen pillar. This is best done when the fuselage halves are joined together.

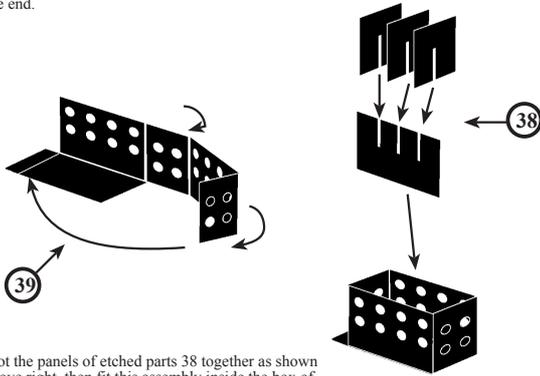
## PILOTS' SEAT ASSEMBLY



Fold the two side frames of the pilots seat supports, etched parts 30, to 90° so that they are parallel. Fold up the outer half of the seat rail to 90° to form an attachment foot on each side. Cut the angled support from the pilots seats, kit parts 4, & fit in place on the etched seat frames. Make two & fit to the etched rectangular recesses on the cockpit floor.

## PYROTECHNIC CRATE ASSEMBLY

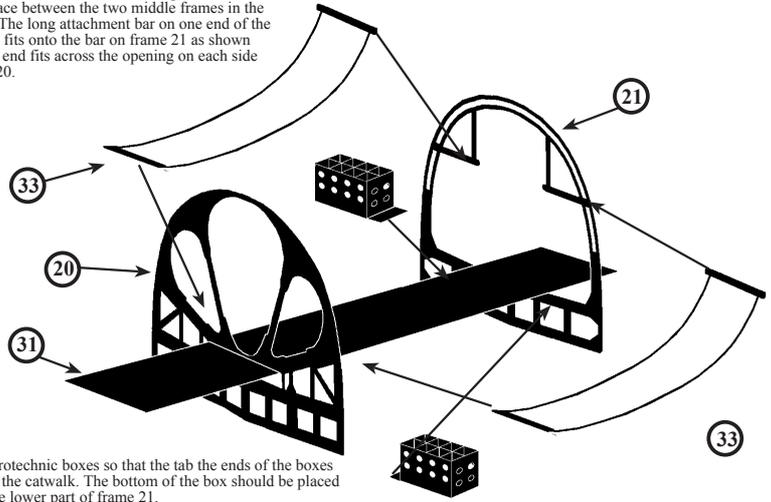
Fold the perforated side panels on etched part 39 to 90° on the base, then fold the ends & opposite side around in further steps of 90° to form an open box with a tab at one end.



Slot the panels of etched parts 38 together as shown above right, then fit this assembly inside the box of etched part 39. This should now look like a box with six separate sections inside. Make two of these.

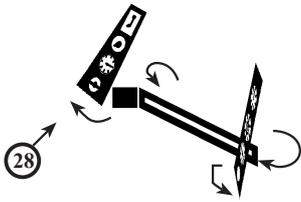
## HAMMOCK SEAT LOCATION

Gently curve the hammocks, etched parts 33, & fit into place between the two middle frames in the fuselage. The long attachment bar on one end of the hammock fits onto the bar on frame 21 as shown. The other end fits across the opening on each side of frame 20.

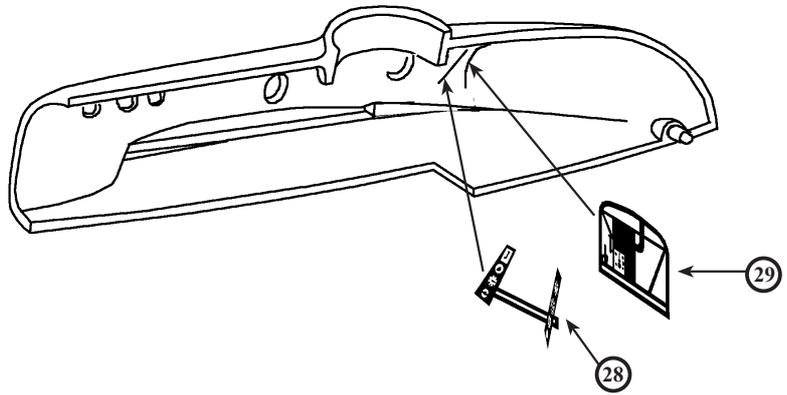


Fit the pyrotechnic boxes so that the tab the ends of the boxes fits under the catwalk. The bottom of the box should be placed against the lower part of frame 21.

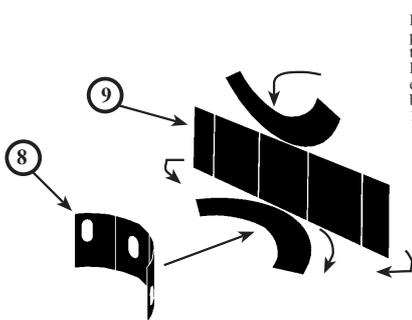
## UPPER GUNNER'S POSITION



Fold the two small inner tags on the ends of the centre bar of etched part 28 over 180° & secure into place against the bar.  
Fold back the two instrument panels so that they are angled rearwards & facing inwards slightly.  
Proceed with the assembly of the engine nacelle as per kit instructions & include the frame 29 to be fitted just to the rear of the gun position in the upper part of the nacelle.  
Fit the instrument panel just forward of the frame 29 as shown.

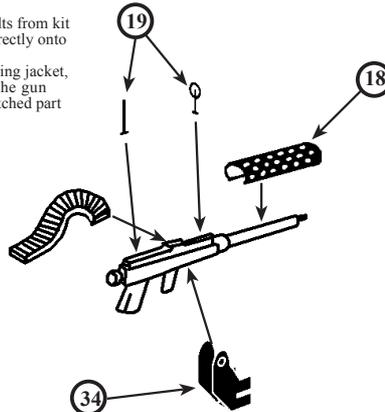


## GUN MOUNT ASSEMBLY

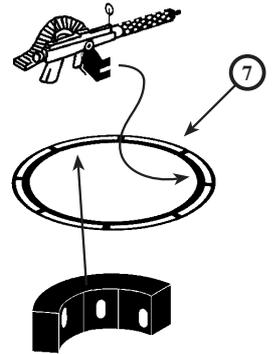


Fold the top & bottom curved panels on etched parts 9, to 90° as shown, then shape the large rectangular plate to fit around the rear convex edge. Fold the outer panels to 90° to form the end panels. Secure into place. Curve & fit the front panel, etched part 8, into place on the concave front edges. Make three of these.

Remove the ammunition belts from kit parts 16 & fit the cut end directly onto the side of the gun body.  
Roll out the perforated cooling jacket, etched part 18 & fit over the gun barrels. Fit the gun sights, etched part 19 as shown right.

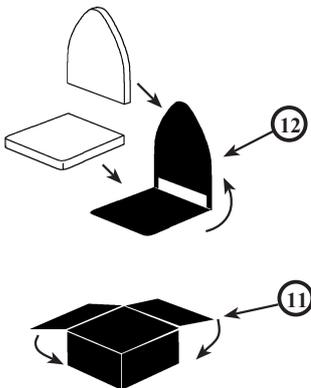


Shape & fit the mounting bracket, etched part 34, to the lower part of the gun body.



Fit the scarf rings, etched parts 7, to the inside of the gunner's openings in the fuselage. Fit the ammunition boxes to the inside of the ring. Fit the gun mounting bracket so that it slots over the scarf ring. Slide the gun around until the ammo belt is draped over the ammunition boxes. Secure into place.

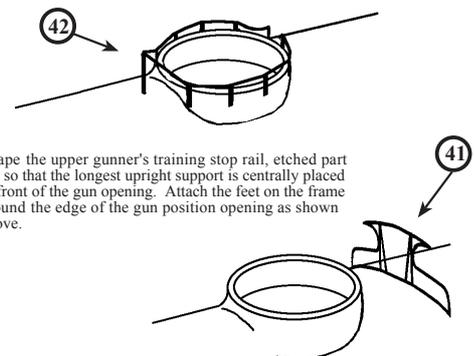
## GUNNERS' SEATS ASSEMBLY



Fold the front gunner's seat, etched part 12, to 90° as shown. Seat cushions may be made from 1mm thick plastic card. Stick the card onto the seat & back, then trim to the shape required.  
Fold down the sides of the seat base to 90° to form a box, then fit the seat onto it. This seat fits directly inside the front gun position on the catwalk inside the nose.

Assemble the seat pedestal using etched parts 23 and 24 as shown right.  
Fold up the seat back & side supports to 90° & secure into place.  
A seat cushion may be made from 1mm thick plastic card & placed on the seat if desired.  
This seat assembly fits directly inside the rear gunner's opening with the base on the catwalk in the rear cabin.

## TRAINING STOP RAILS



Shape the upper gunner's training stop rail, etched part 42, so that the longest upright support is centrally placed in front of the gun opening. Attach the feet on the frame around the edge of the gun position opening as shown above.

Fit the rear gunner's training stop rail, etched part 41, over the rear fuselage to the rear of the gunner's opening.

## OTHER INSTRUCTIONS

1. Pre-formed bracing wires have been provided for a bit of easier rigging if desired, in etched parts 2, 3, 4, 5, 6 & 14. Etched parts 2 are the bracing wires that fit between the wing support struts, from the bomb carrier upwards to the float strut cross members. Etched parts 3 fit between the vertical float struts. Etched part 4 fits between the two rearmost engine nacelle supports, kit parts 50. Etched part 5 fits between the mid engine nacelle vertical struts, kit parts 40. Etched part 6 fits between the forward engine nacelle struts, kit parts 39. Etched parts 14 fit between the wing struts outboard from the float struts.
2. The small grab handles, etched parts 40, replace the moulded plastic items also on kit parts 39.
3. Etched part 13 is a small cleat that fits centrally to the outside of the aircraft's nose, to attach a mooring rope.
4. Two different types of engine cowling front faces have been provided in the kit depending on the type of engine fitted. There are two etched parts provided in this set that represent the radiator grilles in the front of these engines. Etched part 35 is fitted to kit part 69A, & etched part 36 is fitted to kit part 69B. To get a secure fit the moulded raised detail must first be removed from these parts using a chisel blade & file. Be careful to only remove the raised detail & not the entire frontal insert as the etched part will be stronger if it overlays the plastic part.