

Bob's Card Models

www.bobscardmodels.altervista.org and www.zealot.com [Resources]

DC-3 / C-47



According to www.airliners.net, EC-AHA is a DC3 which had been abandoned on a glacier in Iceland in 1950, salvaged by the founders of Loftleidir, operated as TF-RVP, sold via England to Iberia who were still using it in 1973 to link Malaga to Melila. Info from Danish Dakota Association and Spanish enthusiasts.

Alan Rose DC-3 (Iberia Aereas Lineas)

Adapted to full airplane, and scale of 1:30 , with several adaptations; mainly the excellent landing gear and the motors (C-47 "Sky Train" Fly Model), as well as my main wheels and wing support structure.

Read these instructions in combination with Alan's instructions, which are more in-depth.

Paper recommended : 160g/m2.

Green areas, or areas marked with a scissors, must be cut out, but only when mentioned in the instructions.

When part numbers are marked with an asterisk, make the part 2-3 times thick with card.

Wing

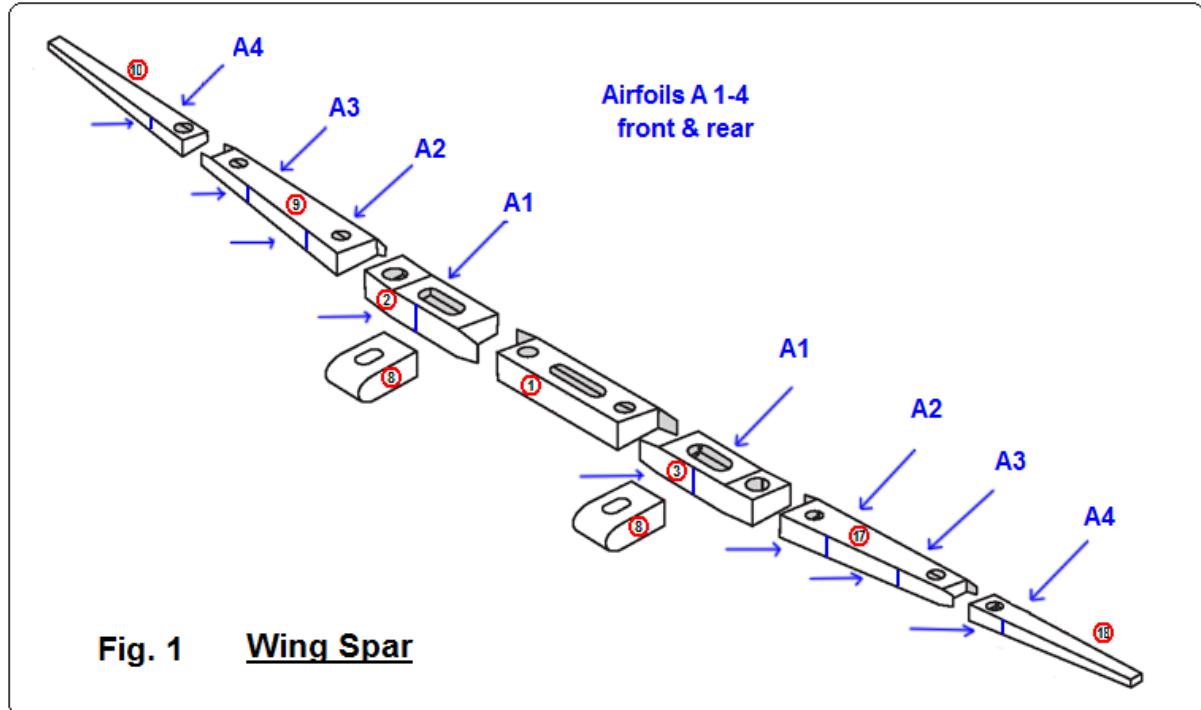


Fig. 1 Wing Spar

- 1 Construct the totality of the main wing spar using parts **1,2,3,8(x2),9,10,17,18**.
NB: After gluing parts 2 and 3 to 1, lay on a flat surface, then glue on parts 9 resp. 17 so that the tips of 9 resp. 17 are 1cm above the horizontal, thus procuring the correct wing angle of 4-5°.
- 2 Glue the airfoils **A1-A5** in their respective positions, and stabilise using the Corner Triangles.
- 3 Glue together **4** and **5**.
- 4 Form the assembly **4/5** and glue each half to its respective "oval" tab, and bend down their respective "rectangular" tabs, then glue in place on the Wing Spar.
- 5 Fold/glue wing tips **13** and **21**.
- 6 Fold glue **19** and **11**.
- 7 Insert **21** (with glue on tab!) through **19** and when dry, slip over the wing spar and glue in place. Note: if the rear ends of the airfoils are too long, snip off.
- 8 Likewise the right-hand wing section, with L and parts **13** and **11**.
- 9 Glue on the flashing **27** Left and Right.

Fuselage

- 10 Join **29** to bulkhead (BH) **31**, and at rear, glue on tab **29/50**.
- 11 Close/glue **32**, then glue onto BH **31**.
- 12 Glue BH **35** onto **32**.
- 13 Likewise **36**, and BH **38**.
- 14 Complete cockpit, nose cone etc, with parts **39, 42**, and BH **41, 43, 45**.
Tip for nose cone: to succeed with this tricky operation, I make a tight ball of a tissue handkerchief, and use this in 'molding' the form. When the nose cone is absolutely dry, using a pair of curved scissors, one can remove most of the tissue.
- 15 Glue nose/cockpit on to main assembly.
- 16 Rear end of fuselage, from front to rear, glue on **50, 50/52**, BH **51, 52**, BH **53, 54**. Finalise with the end-part **55**, being careful to pinch the sides of the fuselage until glue is dry, otherwise resulting in a flat rear end.
- 17 Glue in position, the fin **56** and its cowling/flashings **56A**, as well as the rear wings **57L** and **57R** with their respective flashings **58L** and **58R**.
- 18 Insert and glue in place, a cocktail stick for the rear aerial mast (see photos)

for position and angle). Tippex white!

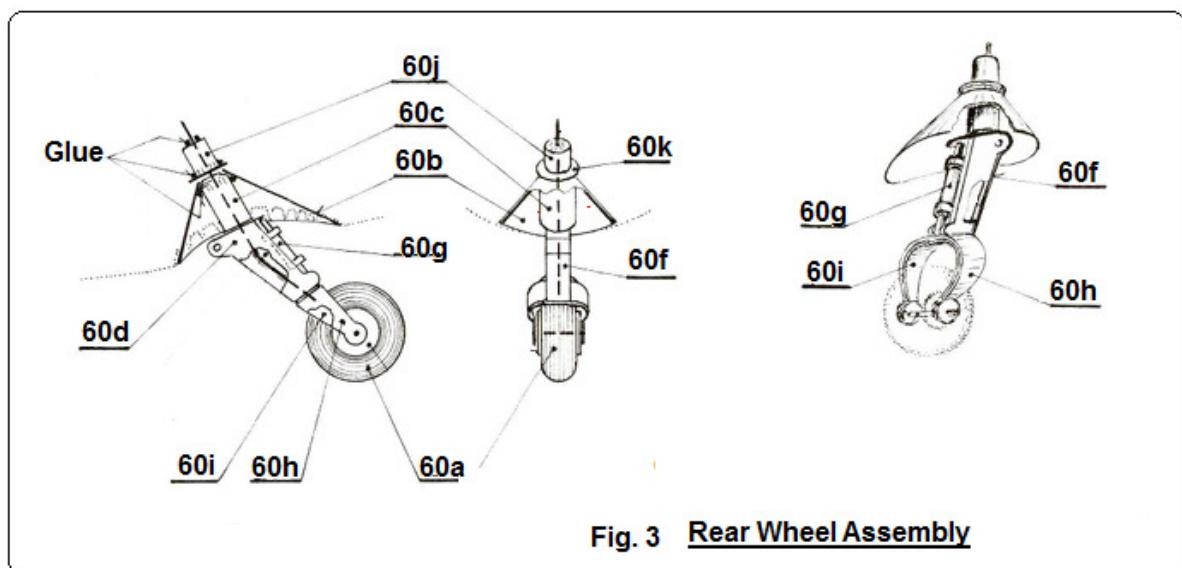
19 Glue Fuselage to Wing, and add Flashing **59L** and **59R**, as well as part **59A**.

Landing Gear

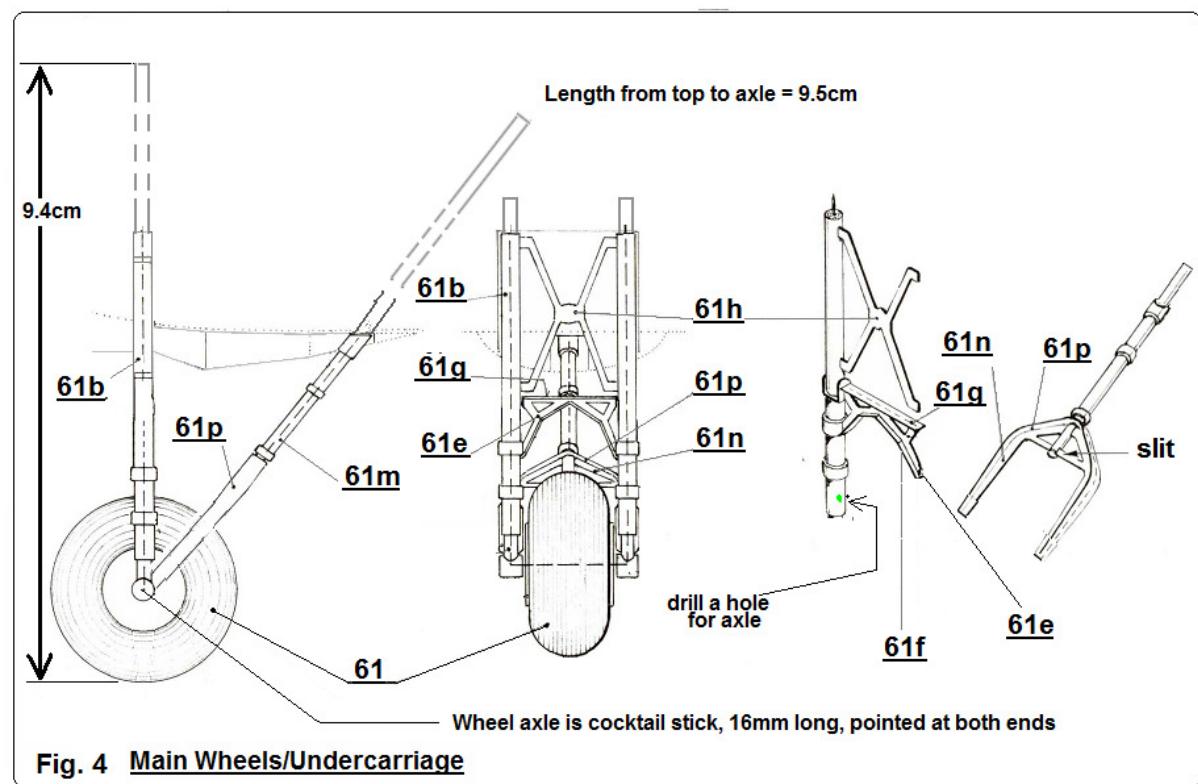
20 Roll/glue the rear wheel strip **60a**.

21 Assemble/glue the 2 main wheels, by gluing together the 4 pairs of the discs 1-26, then gluing each pair together. Colour using black felt pen or black acrylic paint.

Rear:



Adapted from : <http://www.papermodels.pl/index.php?topic=2298.10>



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Motors

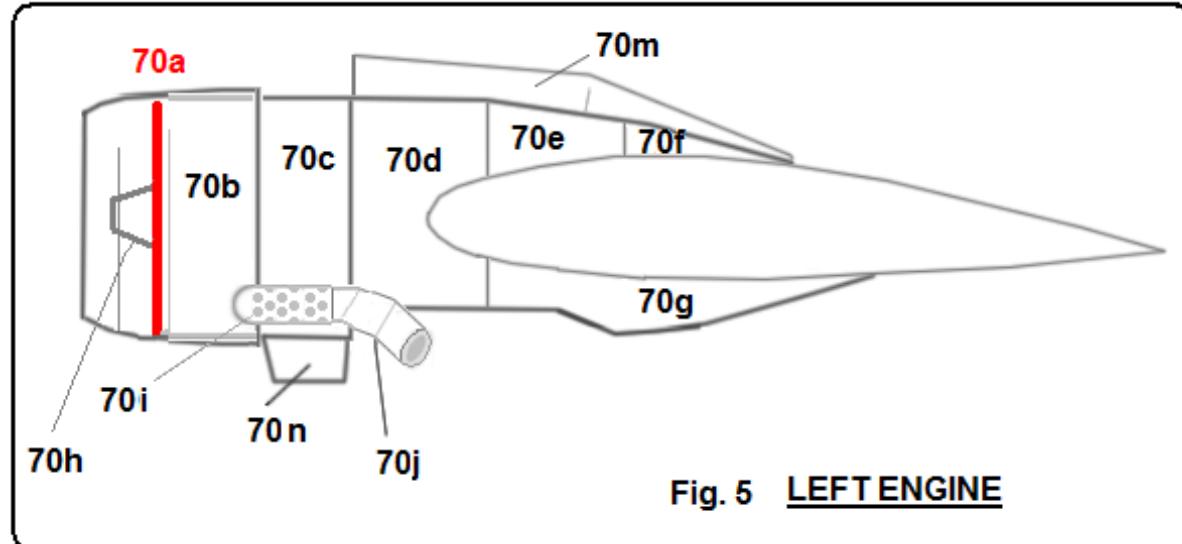


Fig. 5 LEFT ENGINE

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- 22 Close/glue **70b** & then insert/glue **70a**. Glue on cone **70h**.
- 23 Close/glue **70c**, join to **70d**
- 24 Glue **70c/70d** to inside of **70b**.
- 25 Cut out the green areas marked X.
- 26 Glue Top and Bottom tabs on **70d**, and then assemble **70e** and **70f**, then glue onto top tab to **70d**.
- 27 Assemble undercarriage well **70l**. Pierce green dot, which will hold the propeller shaft. The opposite face should be strengthened with a piece of card. After cutting out green area in the engine casing, insert and glue in place within the engine casing.
- 28 Add exhaust **70i/70j**.
- 29 Cut out the green area on the wing, representing the position where the motors will be inserted: you will have to chop away some of part 8 inside the wing, on both sides of the wing.
- 30 Glue the assembly in position on wing, then finalise with **70g**.
- 31 Glue on parts **70m** and **70n**.
- 32 Add the propeller assembly: **71, 71a, 71b**.

Varia

- 33 Add accessories: Skylight **80**, aerials **81** and **82**, and Pitot tubes **83**. For the threaded aerial, roll 2 fine tubes with black elastic thread glued in the centre, glue in place on the top of the fuselage (2 green holes), and glue the threads to the mast on the rear fin.

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