

Bob's Card Models

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Gippsland Airvan GA8

(with interior furnishings)

1:36



Model ZS-PNX "flying" over the Okavango

Technical Data

Engine : Lycoming IO-540-K1A5
Length : 8,9 m
Width : 12?4 m
Height : 3,9 m
Empty weight : 997 kg
Rate of climb : 242 m/minute (from sea-level)

Building Instructions

Print all sheets on 160g card, except Sheet 7 which is printed on 80-90g paper.

All green areas are to be cut out, but only when told to do so.

Windows are of cellophane, and should be glued with a contact glue (Bostik, Pattex etc).

Fuselage

1. Cut out part **[1]** to oversize so that the Fold Arrows are included, round 90° between the fold arrow pairs with a 5mm rod, then cut off the oversize. Cut the 2 green slits in the front portion. Cut out all the remaining green areas WITH THE EXCEPTION OF THE LARGE GREEN AREA on top of the fuselage. Glue the 2 side tabs on one each of the sides. With a scalpel, cut out the 8 side windows.
2. Cut out part **[5]** : Round/fold along fold lines (arrowed).. Cut out the 3 green slits. Fold the 2 rear tabs 180°. Cut out the 2 blue windows and glue on the cellophane windows.. Glue on the remaining tab onto one side (no fold). Glue on the tailplane **[7]** and wing **[6]**.
3. Glue the main cellophane window in place (at present, gluing only to the left and right sides, and not yet the main front window).It forms a horse-shoe shape, glued on only the sides and not the front.
4. When dry, form the two bends in the cellophane front according to the overlying blue window, then cut out the blue window carefully, and discard . Glue the borders of the front cockpit window.
5. Close/glue **[1]**.
6. Cut out large green area on top of fuselage, insert and glue inclined in place, bulkhead **A**.
7. --- followed by bulkhead **B** and floor supports **C** to **E**.



8. Glue cocktail stick on to inclined bulkhead **A** so that exactly 15mm protrudes, ending in a point. This is the front wheel support.
9. Continue with the following order of assembly:
 Dashboard **[2]** with Dashboard Cover **[3]** glued on
 Cabin floor **[4]** : Glue on the assembled seats **[7]**, Central Controls **[8]**, and Joystick with **C** to **E**. supports **[9]**.
10. Insert Cabin floor after gluing the tops of floor supports **C** to **E**.
11. Close/glue the rear **[5]** to **[1]**.
12. Glue Cargo Pod **[1A]** in position under the fuselage.
13. Glue a 10g weight just behind bulkhead **B**, then glue the front fuselage **[1B]** in position.

Main Wing

14. Assemble parts **[10L]**, **[10R]**, spars and struts **[11L]**, **[11R]** and **[12]**.
15. Glue a **[12]** in place in each **[11]** as well as at their inner ends. Join/glue the two spars together using the **Join – Wing Spars [11]**, so that they form an angle of $2 \times 2.5^\circ$ from the horizontal.
16. Cut out the green area on top of the cockpit, and glue the assembled wing in place.
17. Glue the Inclined Spars (Fuselage to Wing) **[14]** in place.

Undercarriage

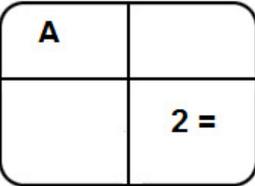
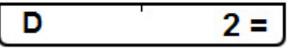
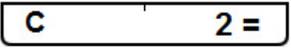
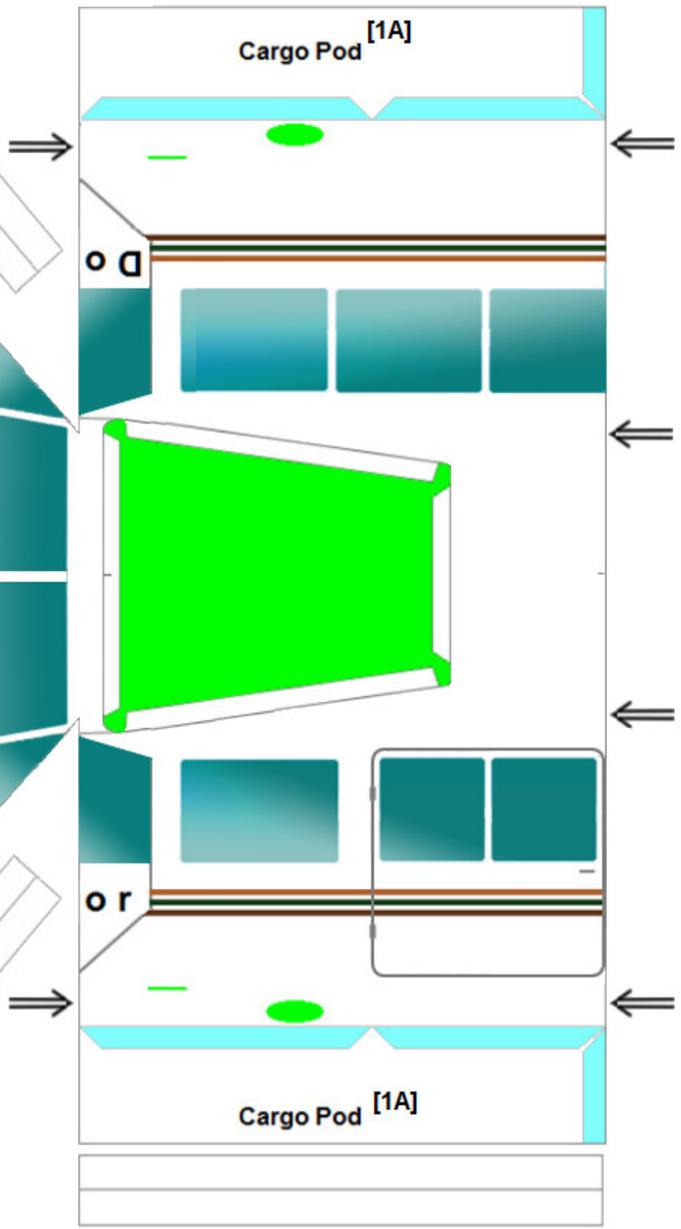
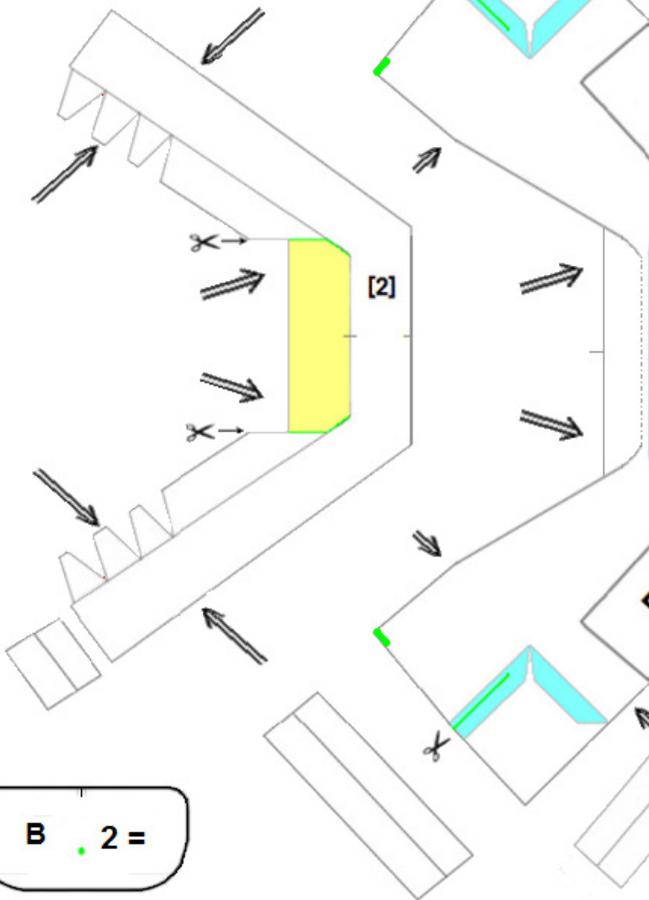
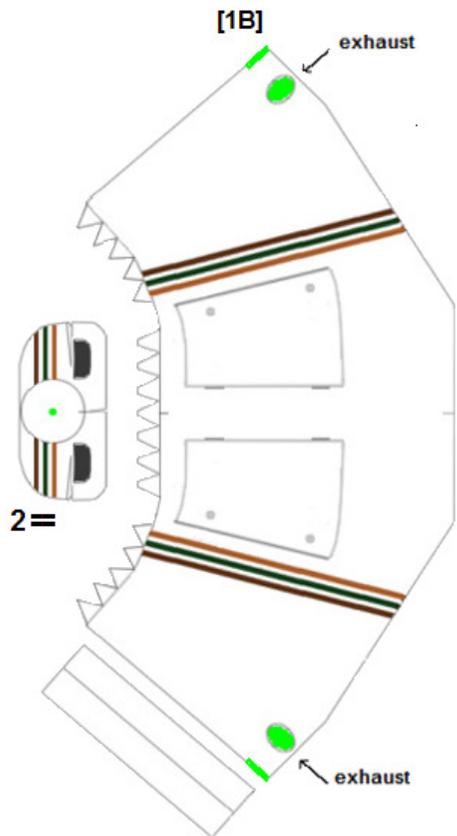
18. Roll/glue Undercarriage Spars **[15]**. Insert through relevant holes in Fuselage with inside ends liberally glued. Glue exit from fuselage liberally.
19. Assemble and glue front wheel in place.

Varia

20. Add Cover flashing **[13]**, which covers join between the 2 wing parts, as well as the join fuselage-wing.
21. Glue the 2 exhausts **[16]** and Exhaust Guard **[17]** in position.

---oooOooo---

⇒ ⇐ Rounded fold. 5mm Ø

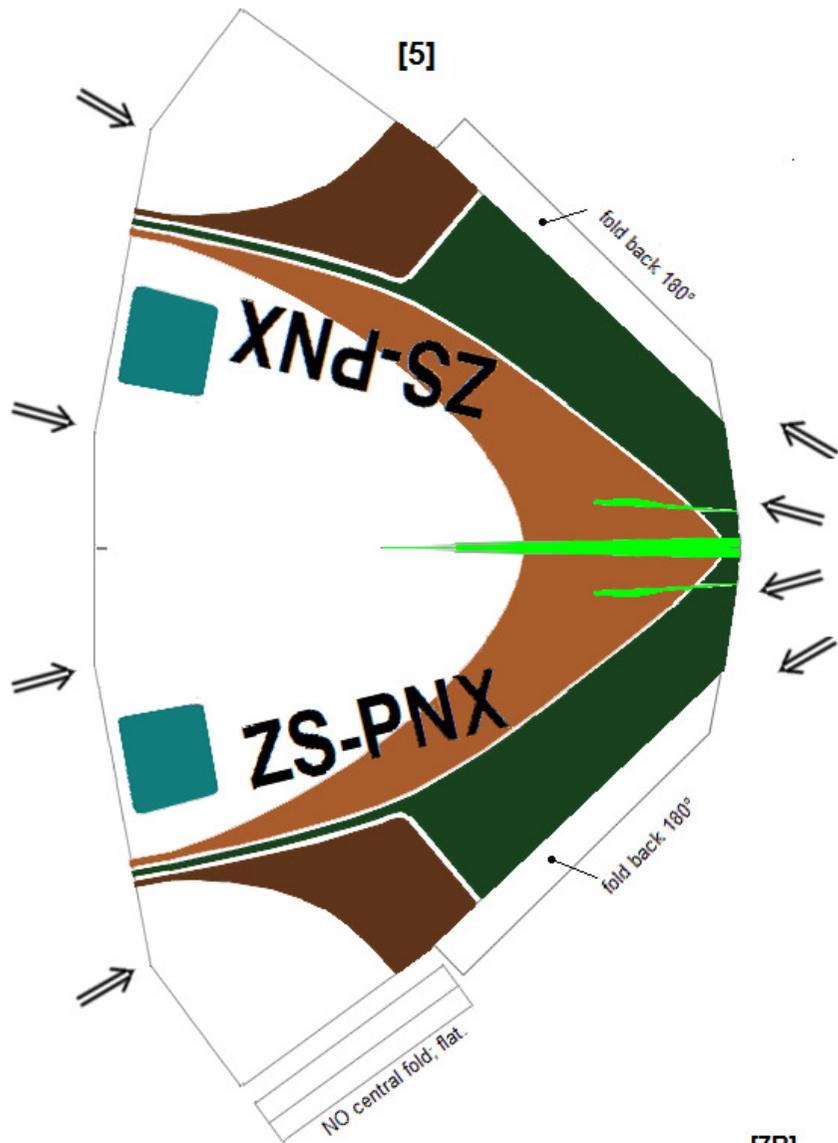


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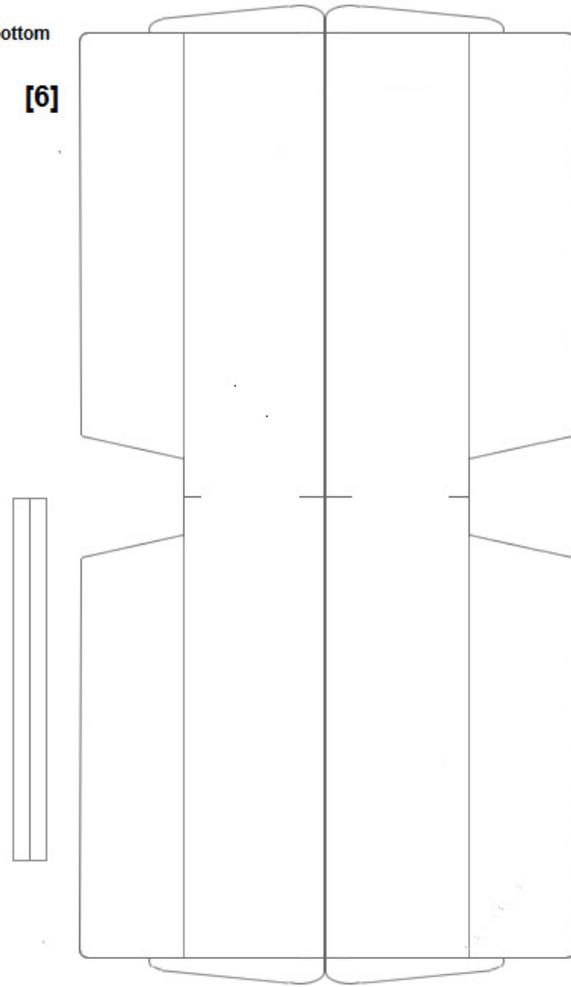
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AirvanNew



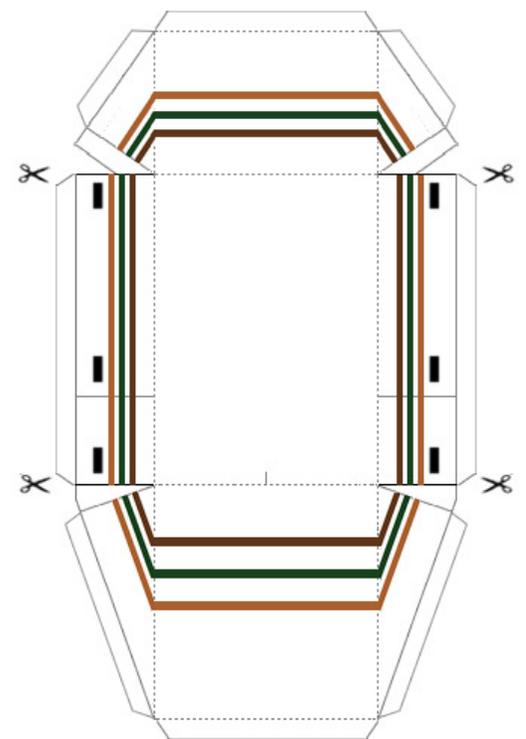
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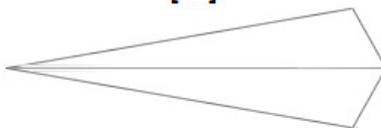
bottom
[6]



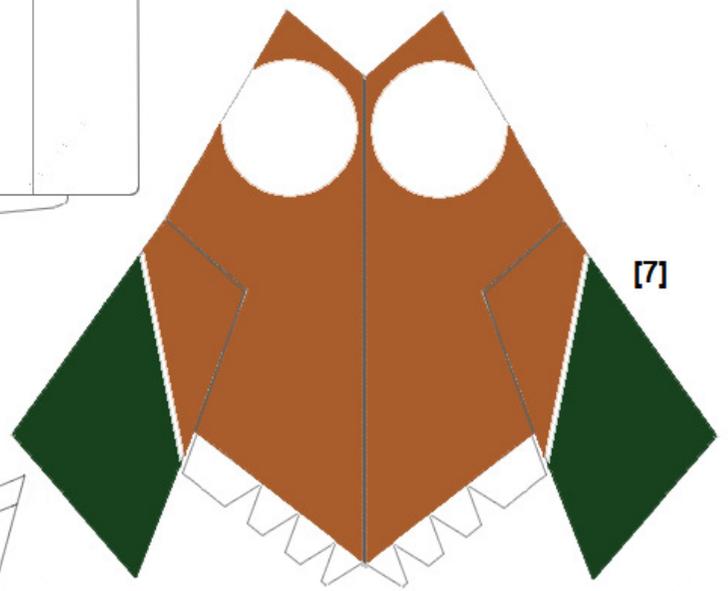
top



[7B]

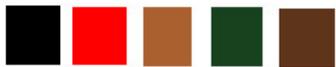


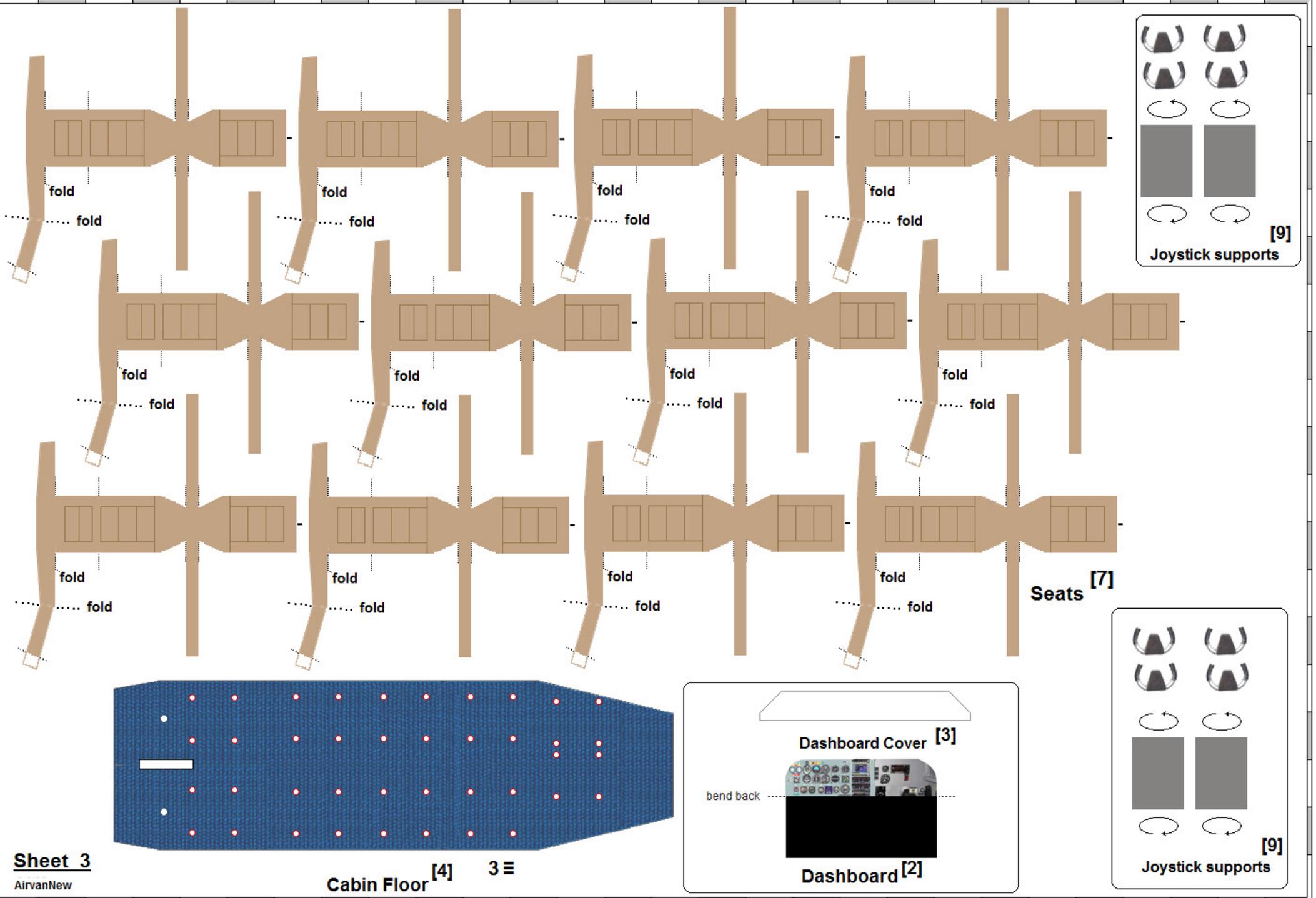
2 = [7A]



Sheet 2

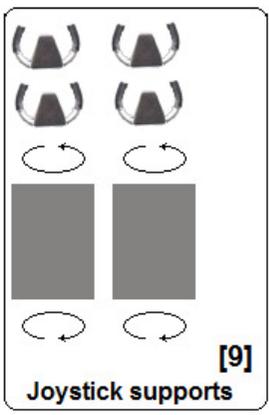
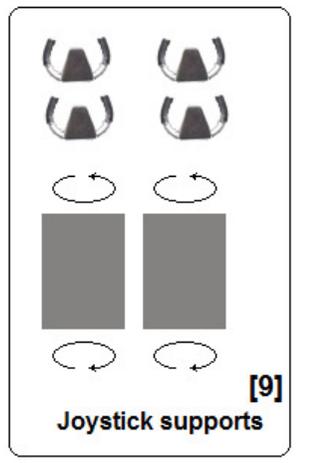
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Sheet 3
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Cabin Floor [4] 3 ≡



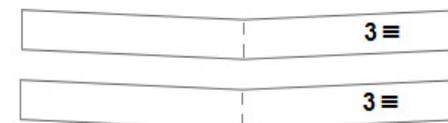
XNd-SZ

BOTTOM

[10L]
Left Wing

TOP

[12]



Join - Wing spar [11]

bottom

front

top

rear

Glue to a square cross-section

bottom

front

top

rear

Glue to a square cross-section

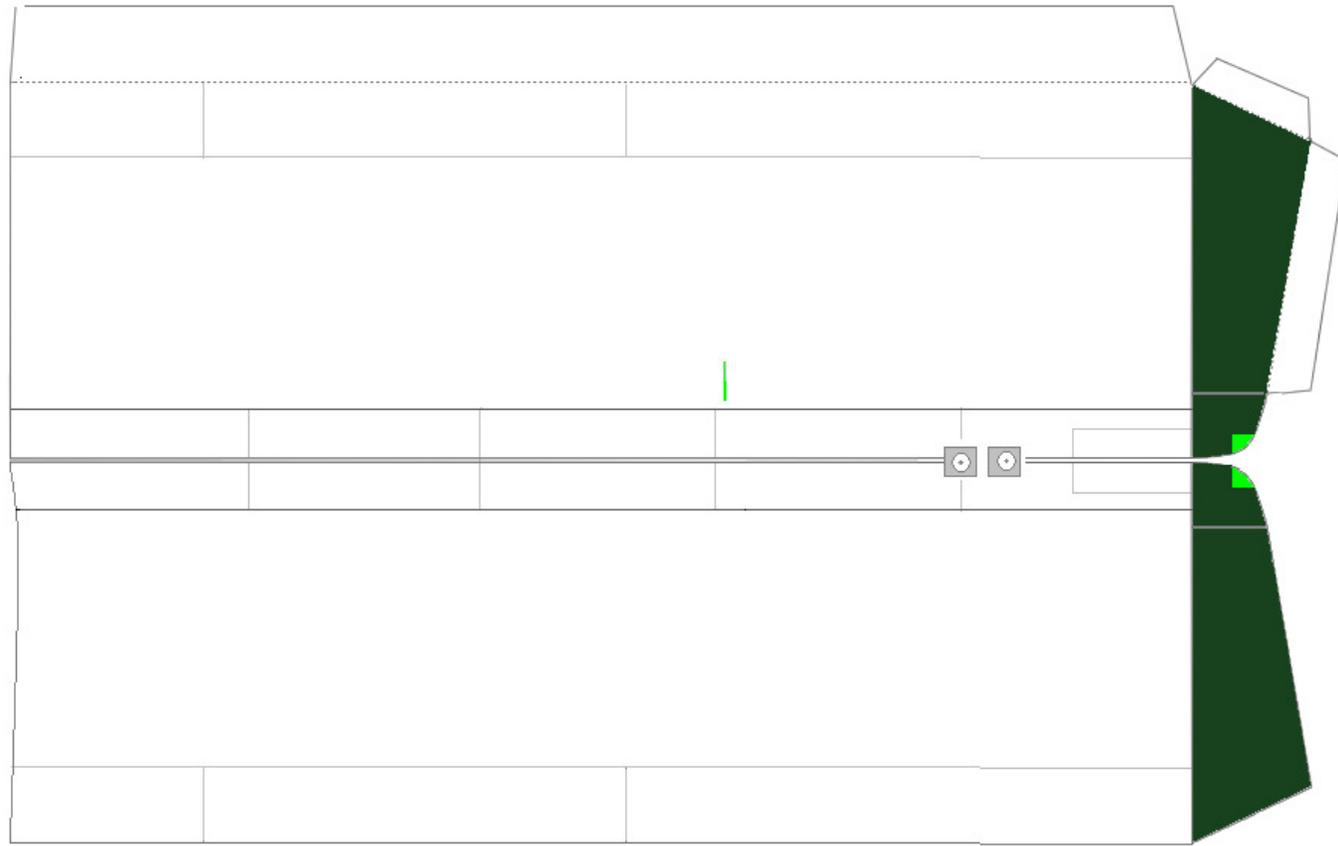
Wing Spar, Left [11L]

Wing Spar, Right [11R]

Sheet 4

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BOTTOM

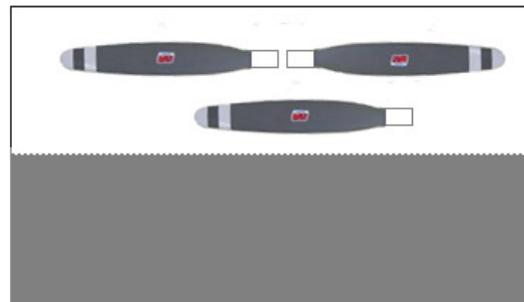
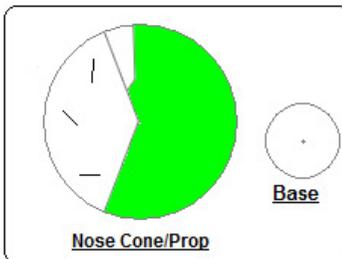
[10R]

Right Wing

TOP



[14]
Inclined Spars



Sheet 5

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FRONT WHEEL Unit

2. Roll sleeve



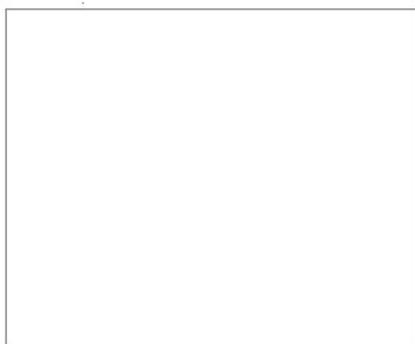
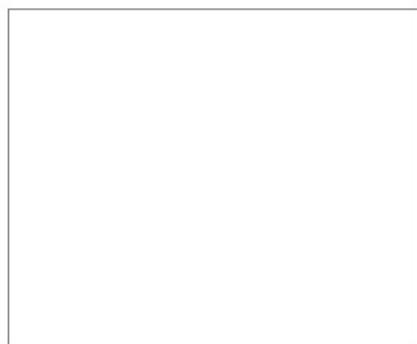
Cocktail stick



1. Roll wheel



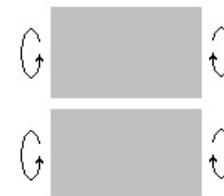
Main Wheels



[15]

Undercarriage Spars

Roll/glue around a 3mm rod, remove rod, and flatten under a ruler.



Exhausts [16]

Before rolling, felt pen blacken the inside. Roll around cocktail stick, and glue in place so that about 6mm protrudes.

Sheet 6

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Doors [9]

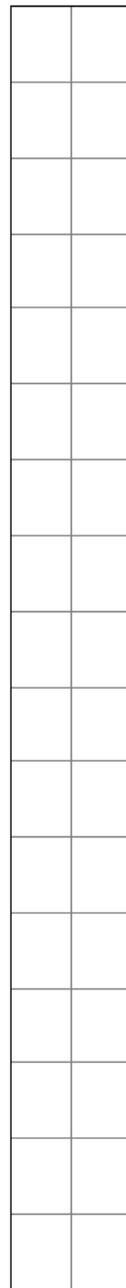
Print on Paper !

Sheet 7
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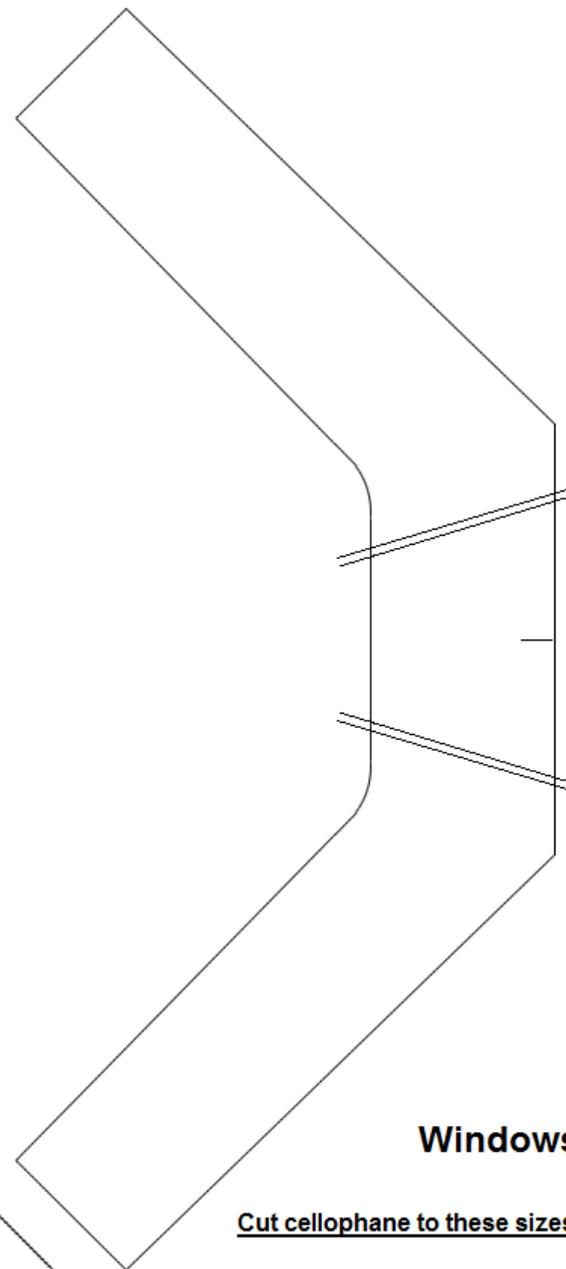
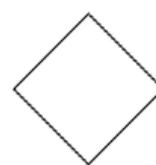
[13]
Cover
Flashing

cabin bottom



40 Seat Legs

Roll each
individually.



Windows

Cut cellophane to these sizes



Glue around 4.5mm
cocktail sticks.

