

Bob's Card Models

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



Douglas A-1H Skyraider (1:72)

The Douglas A-1 (formerly AD) **Skyraider** was a U.S. single-seat attack bomber of the 1950s, 1960s and early 1970s. A propeller-driven anachronism in the jet age, the Skyraider had a remarkably long and successful career well into the space age, and inspired a straight-winged, slow flying jet powered successor which is still in frontline service today.

The decals shown, are those of Commander Bill Phillips, commander of the attack squadron VA-52, based in the early 1950's on the aircraft carrier USS Ticonderoga.

Building Instructions

Print all sheets on 160g card, except sheet Paper.

When gluing card parts at right-angles to another piece (eg bulkheads to the outer skin), holding together with fingers until dry usually results in the 'skeleton' image of the bulkheads - not nice! Hold together with 2 flat pieces of wood or plastic.

Green areas must be cut out or pierced, BUT usually after gluing any folds.

Fuselage

1. Cut out the fuselage [1], round each of the 5 portions to approximately the final form with a 10-20mm rod.
2. Close/glue the front portion of [1], followed by the middle and the rear portions.
3. Close/glue [1A] and add the engine 'disc' A. Cut the engine flaps and bend each slightly outwards, and then push/glue the assembly onto [1], also gluing down the black 'tongue.'

4. Glue the tab of the second portion, and close the form. (For authenticity, using a black felt pen, you can colour the first 2-3mm of the front inner side black). When dry, insert b'head **A** to about 1mm from the front. Cut out and add the 2 side tabs.
5. Third portion: glue the side with the tab to the second portion, then the side without the tab to close the form. Add the 2 side tabs to the third portion.
6. Fourth portion likewise glue the side with the tab to the third portion, then the side without the tab to close the form. Insert b'heads **C** and **D** and glue in place. Add the 2 side tabs to the fourth portion.
7. Fifth portion likewise glue the side with the tab to the fourth portion, then the side without the tab to close the form.
8. Cut out cockpit **[2]**, form, glue tabs, glue in position on fuselage.
9. Cut the 3 red slits at the rear of the fuselage.
10. Glue b'head **E** in position at rear of fuselage.

Main Wings

11. Cut out the wings **[3]**, fold, glue. Bend the 4 tabs down, then bend back flat.
12. Cut out the landing gear wells (best to use a razor blade). Cut out the wells **[3A]**, fold and glue in place as shown, after piercing the 4 red dots. Slightly curve the wheel shield for authenticity.
13. Glue the wing on the fuselage, making sure to keep to the angle by using the template.
14. Cut out the air intake **[3B]**, fold back the black portion and glue. Fold as per profile and glue in position flush with the wing, under the fuselage.
15. Likewise air intake **[3C]**, but which is glued in place on **top** of the fuselage. Note the different folding modes.

Rear Fin and Wing

16. Cut out and fold the rear wing **[4]**. Close the form by gluing the tabs.
17. Slide rear wing into the slit in the rear of the fuselage, and glue in place.
18. Cut out, fold and glue the Fin **[6]**, then glue in place over the Fin Stabiliser..

Wheels, Undercarriage

19. Cut out the rear wheels/axle **[8]**, fold, insert cardboard to stiffen, cut to form, glue, glue in position 3.8cm from rearmost end of the plane.
20. Cut out the front wheels **[9]**, glue each with the discs shown to give the correct profile, and pierce each in the centre, to later accommodate the tooth pick axle.
21. Bend to 90°, the tip of 2 tooth picks, pierce the wheels with each tip and glue well.
22. Cut each tooth pick to a length of 22mm, slip on the paper sleeves* **[10]**, glue top end of the tooth pick in the front hole provided in the undercarriage well, more or less vertical (5-10° sloping forwards)..
23. Cut 2 more tooth picks to give the inclined axle supports, and cut off the points at an angle so that the stick sits flush with the "vertical" tooth pick. After again slipping on a sleeve* **[10]**, glue both ends, slip into the rear hole provided in the well, and touch on to the "vertical" tooth pick.

- * the sleeves should each be cut more or less in half, so that the top glued end is about 3mm free of sleeve.

Propellers (4-bladed)

24. Cut out the propeller rectangle **[11]**, fold in half and glue. Cut out the prop. Glue on the end of a tooth pick, and insert in place (glue if desired).
25. Bend each blade to give an authentic curvature.

Accessories

11. Glue the 12 rocket **[2A]** and 2 bomb supports **[2B]** on the underside of the wing in the positions marked green.
12. Cut out the 2 bombs **[12]**, close the form of the front portion and glue. Insert a pencil or rounded rod, and curve the 4 front elements to the correct shape, and glue. Rear portion: fold to a cone and glue. Snip the 4 red lines which will accommodate the fins. The fins **[13]** and their ring are cut out and glued in place.
13. Glue the bombs in place under the wings.



14. Likewise the large bomb [13]; which is glued centrally under the wings in the position marked.
15. Cut out the Arrestor hook [14], roll around a tooth pick, then around a fine needle and glue. Still whilst wet, bend the correct form. Insert in the rear of the fuselage in the position marked.

---oooOooo---

Douglas

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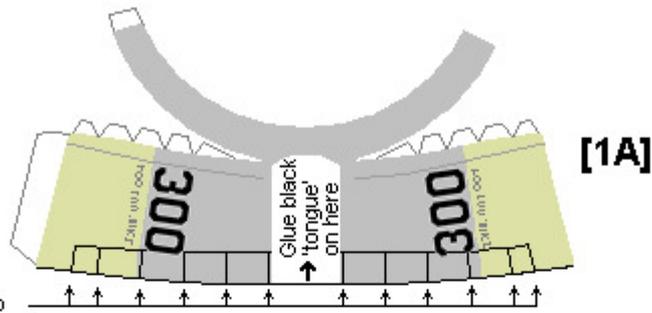


A

Make 2x thick.



Cut flaps and bend up

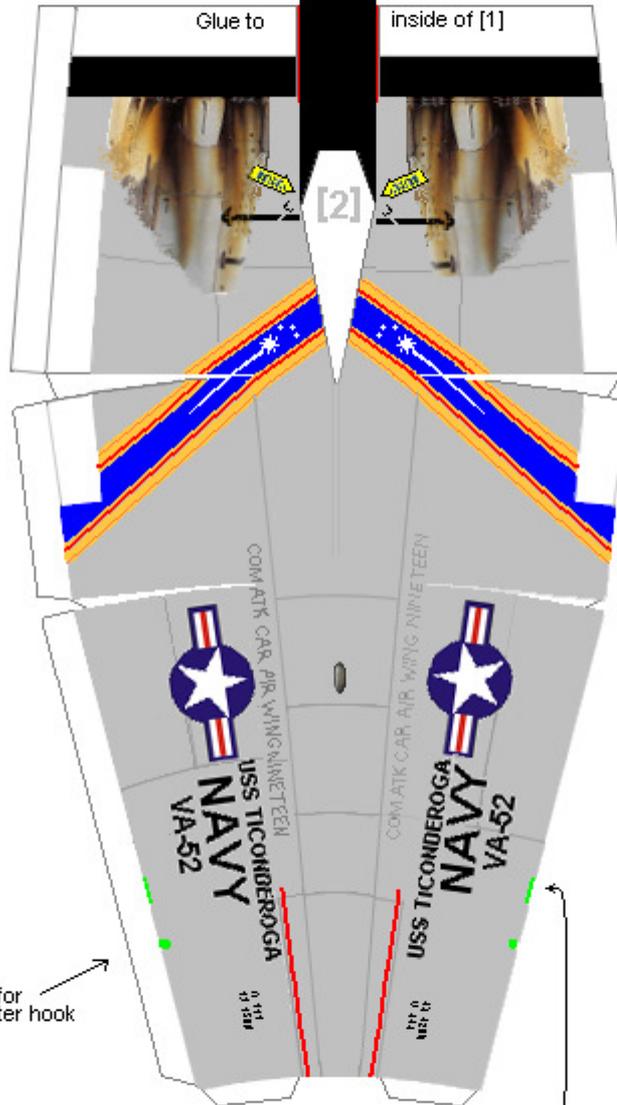


[1A]

Snip red lines

Glue to

inside of [1]

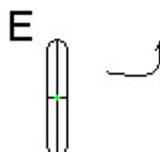


[1]

Position of wing unit

[2]

hole for arrester hook

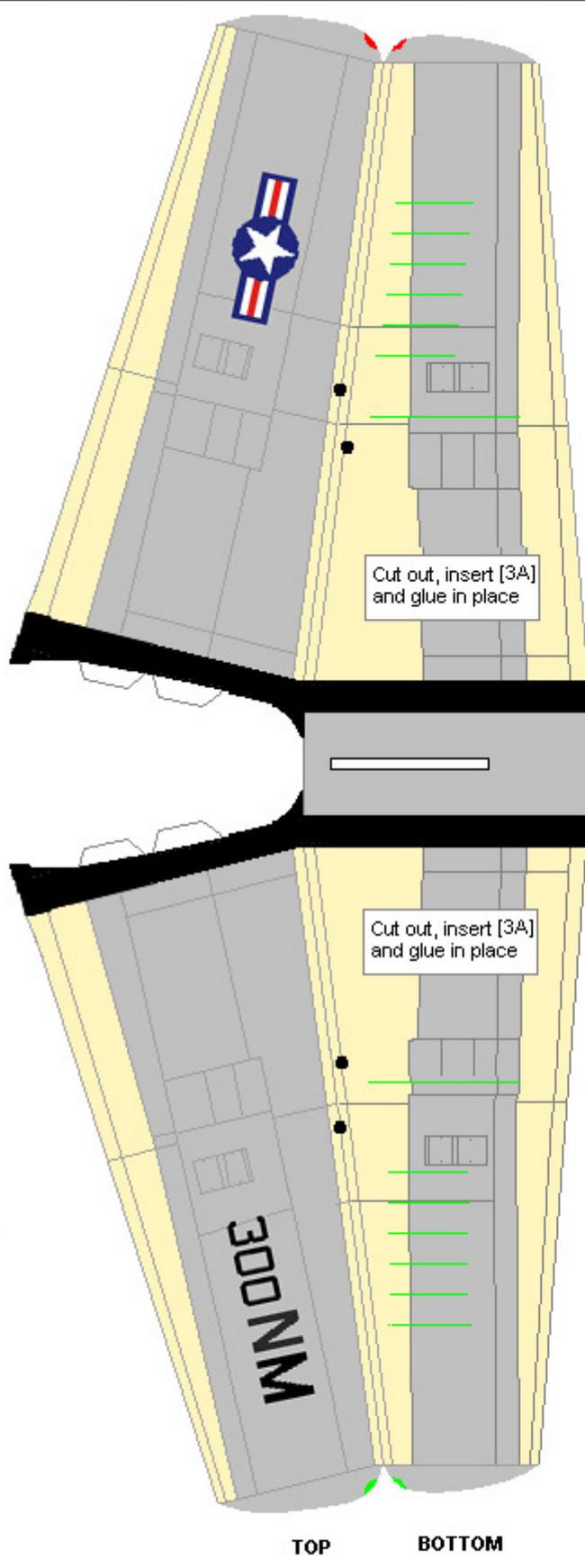


Make 3x thick

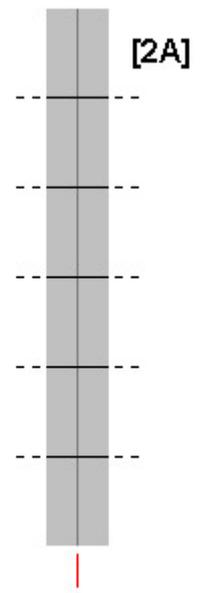
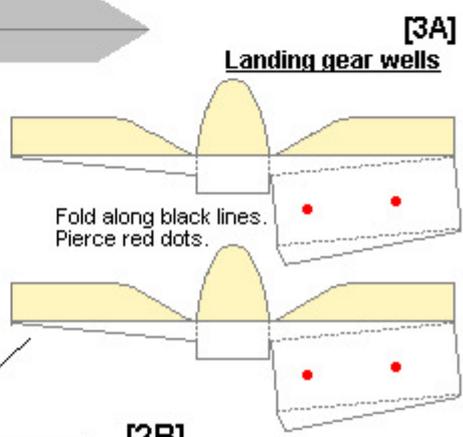
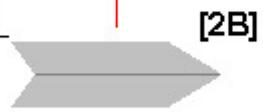
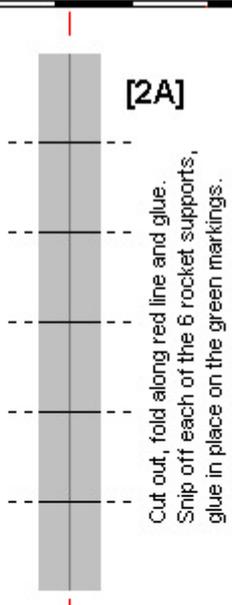
position of rear wheel

Sheet 1

Skyraider



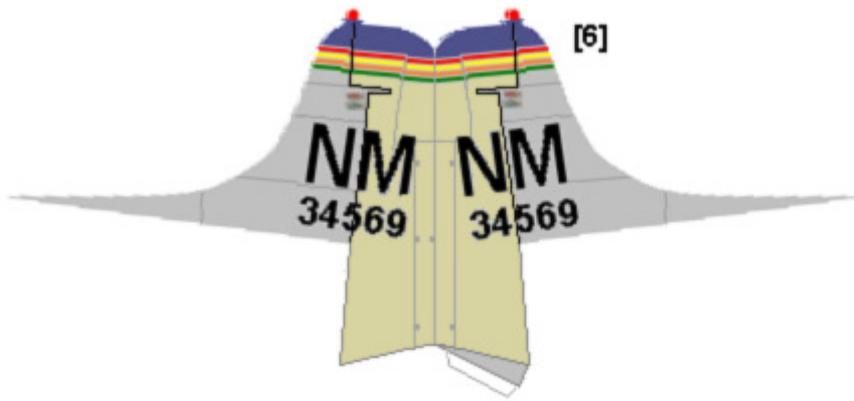
TOP BOTTOM



Template to adjust the angle of the wings

Sheet 2

Skyraider

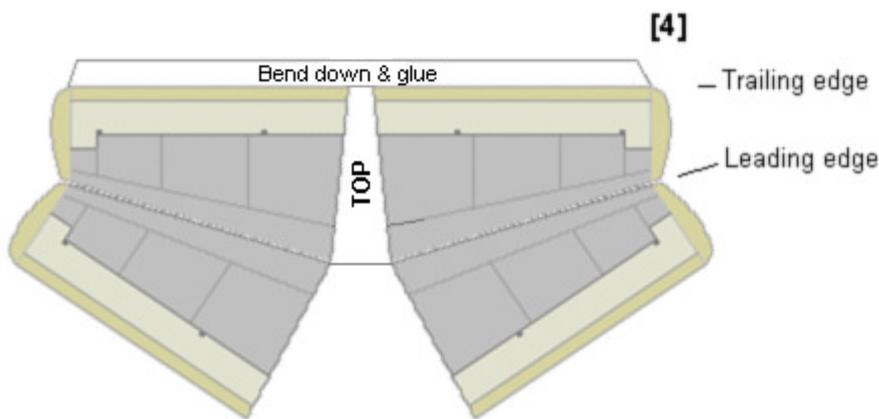


[6]

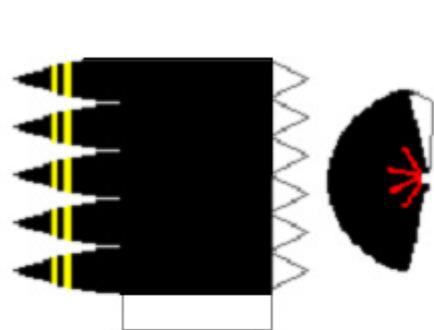


Propeller [11]

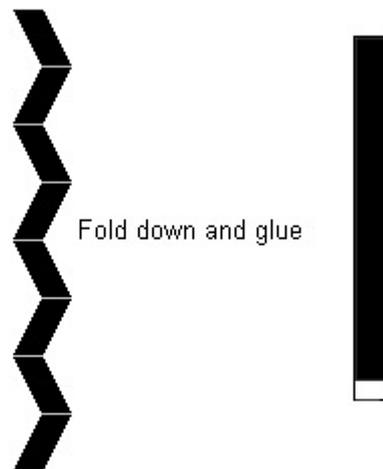
Cut out, fold and glue.
Pierce hole in centre for tooth pick.



[4]



Large Bomb [13]

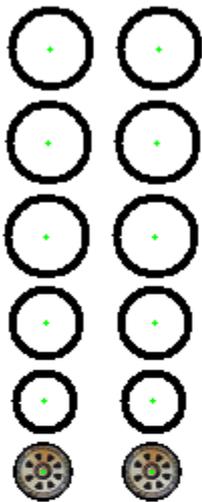


Round form and glue tab.
Glue around fins
(black felt pen on inside)

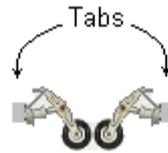
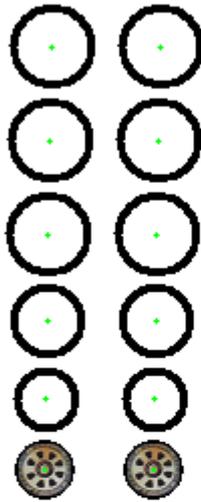
Sheet 3

Skyraider

Wheel 1 [9]

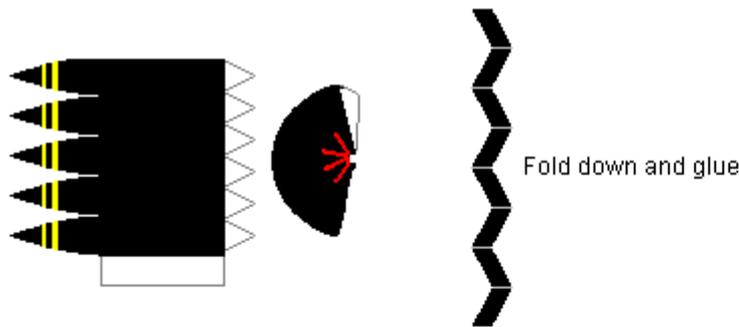
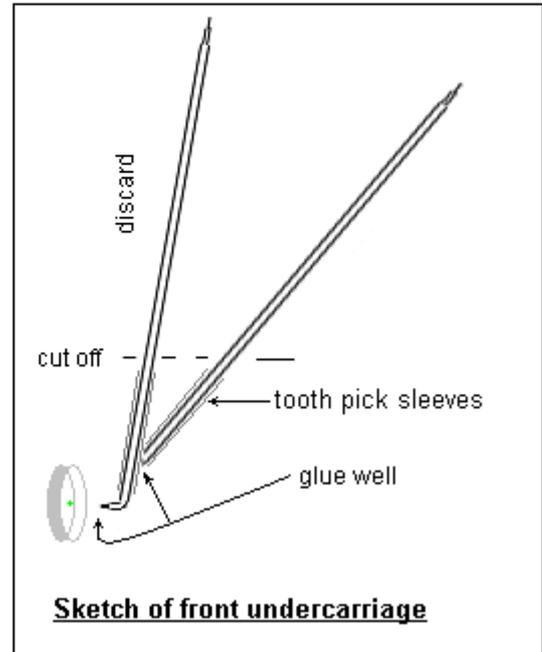


Wheel 2 [9]

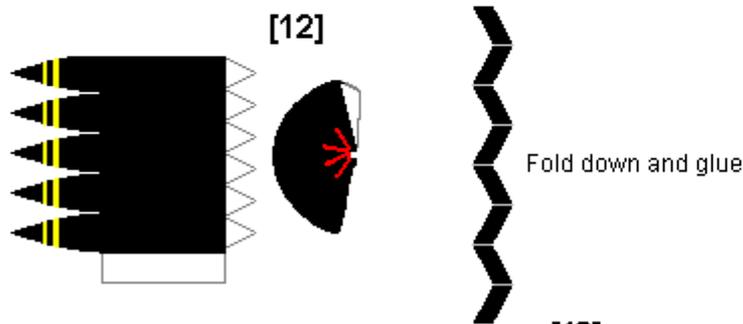


Rear Wheel [8]

Fold, insert glued card to stiffen, cut 3mm slit under fuselage in position marked on the fuselage tail.



Glue to tab - glue around fins (black felt pen on inside)

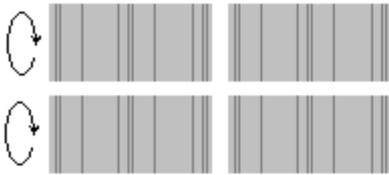


Glue to tab - glue around fins (black felt pen on inside)



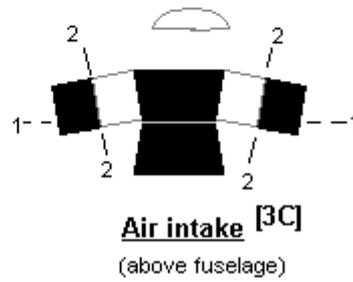
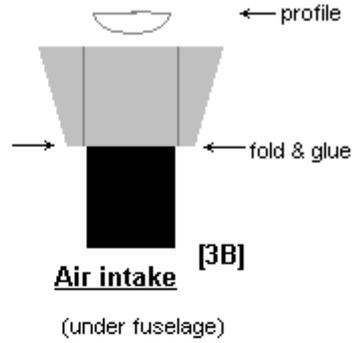
Sheet 4

Bomb fins [13]

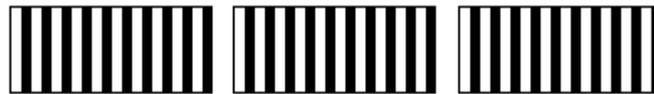
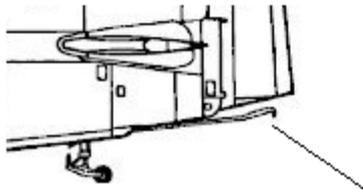


Wheel axle sleeves [10]

Roll around toothpicks, glue & slip on wheel axles (toothpicks).



Fold and glue:
1 -- 1
2 -- 2
Then fold the 2 side flaps, and glue to fuselage.



Arrester Hook [14]

... with 2 spares!!!



Flashing