

AIRFIX

CONSTRUCTION KIT

1/72 SCALE MODEL CONSTRUCTION KIT

DOUGLAS SBD DAUNTLESS

Probably the most famous of all U.S. Naval Aircraft to serve in the Second World War, the Dauntless was already obsolescent when the U.S.A. entered the War but continued in action until the final victory.

The design originated in 1935 when the Northrop Corporation produced a two-seat dive bomber for the U.S. Navy which went into use in 1937. In that year the Northrop Corporation was absorbed by Douglas and the design was progressively developed into the SBD-1, adopted by the U.S. Marines in 1940. Naval orders followed with the SBD-2 and then the first major production version the SBD-3 Dauntless which was standard at the time of Pearl Harbour.

The SBD-3's took part in the Battle of the Coral Sea and every subsequent major naval engagement being joined by the final production versions, the SBD-5 and 6. When the last Dauntless was completed in July 1944 well over 5,000 had been built for the U.S. Navy, U.S. Marines and Army.

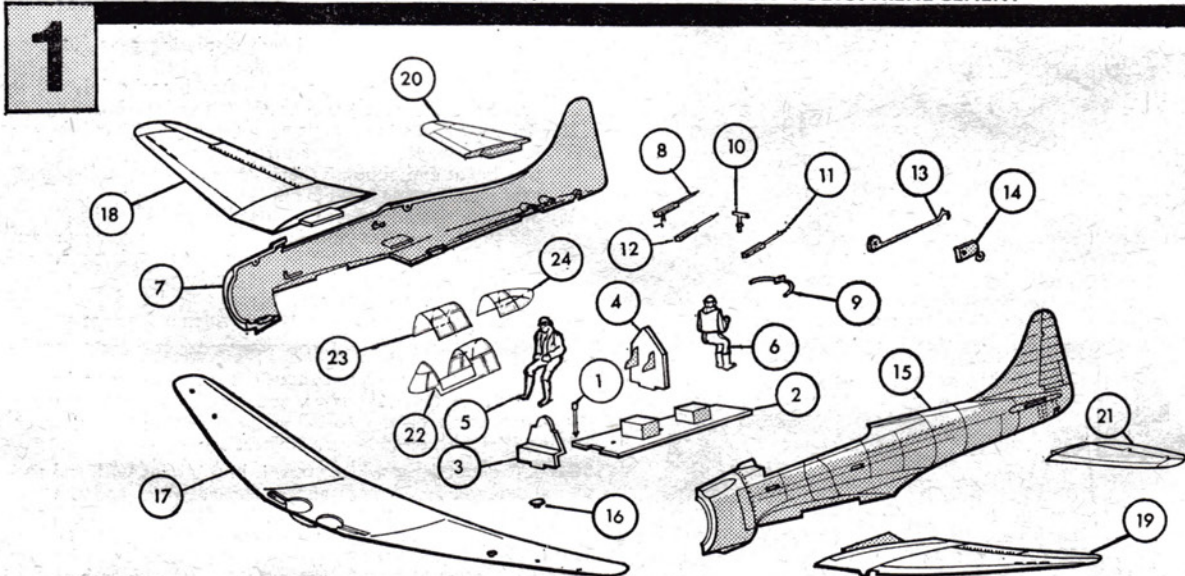
The particular SBD-3 which can be built from this kit is an aircraft of VSB-8 which flew from U.S.S. Hornet in the Battle of the Coral Sea and the Battle of Midway. The SBD-5 selected, is that flown by Captain Bell of the U.S.M.C., VMSB-231 in 1944.

The SBD-3 Dauntless was powered by a 1,000 h.p. Wright Cyclone engine giving a maximum speed of 246 m.p.h. In the SBD-5 the 1,200 Cyclone gave a speed of 255 m.p.h. Range was 456 miles with full load and armament consisted of twin fixed 0.5 in. machine guns in the nose and either one or two 0.303 in. machine guns in the rear cockpit. Bomb load was one bomb of either 500 or 1,000 lbs. beneath the fuselage and one 100 lb. bomb under each wing.

INSTRUCTIONS

PAINT ALL DETAILS AND LET DRY BEFORE ASSEMBLING (SEE SECTION 4)

N.B. FOR PAINTING USE "AIRFIX" PAINTS, OR FIXING USE "AIRFIX" POLYSTYRENE CEMENT



It is recommended that the instructions and exploded views are studied before assembly. If it is wished to paint internal details such as crew and cockpit interior this should be done before assembly. It will be noted two variants SBD-3 and SBD-5 can be constructed from this kit. The version to be modelled should be chosen before assembly, also if stand slot is to be used, cut away wall of plastic from stand slot in fuselage halves.

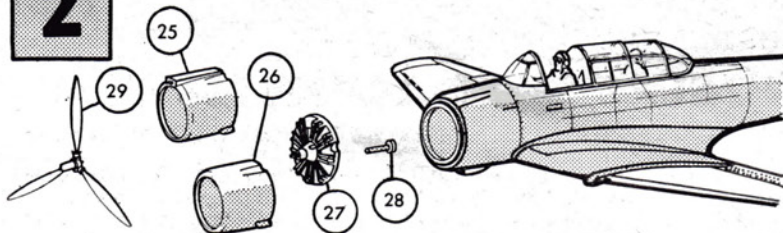
1. Locate and cement control column (1) into locating hole in cockpit floor (2)
2. Locate and cement tab on instrument panel (3) into cut out in front of cockpit floor.
3. Locate and cement tab on bulkhead (4) into slot behind pilot's seat on cockpit floor. NOTE: arms of seat on bulkhead, forward.
4. Cement pilot (5) to seat.
5. Cement observer/gunner (6) to rear seat.
6. Cement cockpit floor assembly onto ribs in starboard fuselage half (7).
7. Armament is optional, if required, for SBD-3 press, DO NOT CEMENT, pivot pin beneath single gun (8) into central hole in gun mounting (9), then cement starboard side of gun mounting onto rib within starboard fuselage side.
8. For SBD-5 cement bracket arms on pivot pin (10) into inner

recesses on twin guns (11, 12) then press, DO NOT CEMENT, pivot pin beneath bracket into central hole in gun mounting, then cement side of gun mounting to fuselage as instructed for SBD-3.

9. Press, DO NOT CEMENT arrester hook (13) and tail wheel (14) onto protruding pins at rear of starboard fuselage half.
10. Cement port (15) and starboard fuselage halves together, at same time engaging side of gun mounting and cockpit floor onto ribs within port fuselage half.
11. Cement landing light transparency (16) into hole in port side of lower wing (17).
12. Locate and cement upper wing halves (18, 19) to lower wing then cement assembled wing into cut out beneath fuselage.
13. Cement tabs on port and starboard tail planes (20, 21) into rear fuselage slots.
14. Carefully cement forward main canopy transparency (22) to front of cockpit opening, windshield fitting over front and top of fuselage. Apply cement only to edges of transparency.
15. Cement pilot's canopy (23) into forward opening of main canopy.
16. For unarmed version only cement rear canopy transparency (24) to rear of cockpit opening.

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ENGINE ASSEMBLY

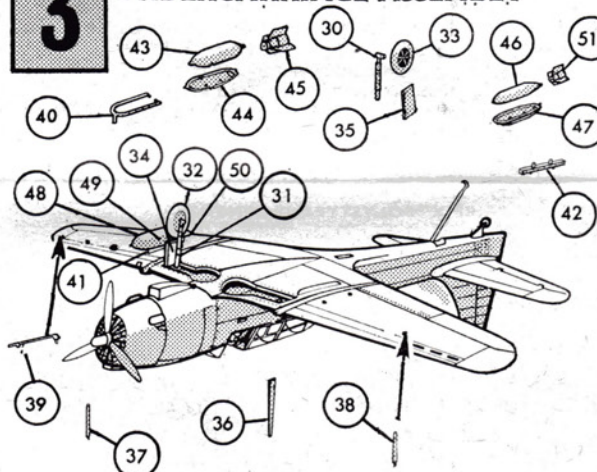


17. For SBD-3 use cowling with raised section extending along top (25). For SBD-5 use cowling with short raised section at rear (26). Then cement engine (27) into chosen cowling, press, **DO NOT CEMENT**, propeller pin (28) through rear of engine and then cement into hole at rear of propeller boss (29) check propeller is free to revolve.

18. Cement cowling assembly to front of fuselage.

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UNDERCARRIAGE ASSEMBLY



19. The desired undercarriage position should now be selected. If the model is required to stand on its undercarriage cement port and starboard undercarriage legs (30, 31)

into locating holes in bosses within wheel wells, axles to outside.

20. Cement main wheels (32, 33) onto axles.

21. Cement undercarriage doors (34, 35) to outer sides of wells, doors hang vertically.

22. For a model with retracted undercarriage omit legs, cement wheels into wells, and doors in closed position.

23. Locate and cement large aerial (36) into locating hole in forward port fuselage side. Angled side to rear.

24. For SBD-5 only cement small aerials (37, 38) into locating holes beneath port and starboard wings.

25. Cement pitot head (39) into outer forward locating hole beneath port wing.

26. Cement locating pin on bomb displacing gear (40) into central locating hole in fuselage.

27. Cement small locating pins on bomb racks (41, 42) in corresponding recesses beneath port and starboard wings.

28. Bombs are optional, if desired cement together halves of large bomb (43, 44), cement large bomb fins (45) onto locating pin at end of bomb then clip arms of bomb displacing gear into locating holes in bomb side.

29. Similarly cement together halves of small bombs (46-49) and small bomb fins (50, 51) then cement onto wing racks, holes in bombs locating pins onto pins beneath racks.

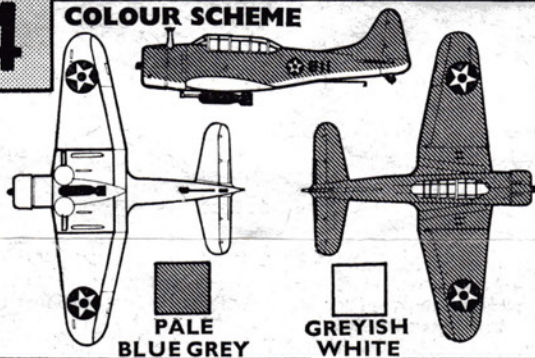
30. Painting should be completed at this stage.

31. Cement together both parts of stand.

32. Cement arm of stand into slot provided in fuselage.

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COLOUR SCHEME



According to version you wish to model, read notes below, paint and then apply transfers. Separate sheet into required number of subjects, dip each into warm water and slide off backing into position shown on illustration.

SBD-3 The four large white stars in blue circles with red centres above and below port and starboard wings and the two similar small stars to fuselage sides, the small black elevelts to front of cowling sides, the larger black elevelts to top and in-board of port and starboard wings, the black Bill's to fuselage sides forward of tailplanes, the aircraft name to base of stand.

PALE BLUE GREY. Upper surfaces

GREYISH WHITE. Under surfaces

MATT BLACK M6. Propeller blades, wheel tyres, guns

YELLOW G2. Bombs, tips of propeller blades

SILVER G8. Propeller boss

RED G1. Hook and four red rings on shaft of arrester hook

SBD-5

The large stars above port and beneath starboard wings the smaller stars to rear fuselage sides, the white number 2's forward of stars on fuselage sides, the ace of spades in white circle to fuselage sides forward of cockpit, the white bomb mission markings to port fuselage side in line with pilot, the aircraft name to base of stand.

SEA BLUE. Upper surfaces

INTERMEDIATE BLUE. (PALE BLUE GREY) Fuselage sides, fin and rudder

INSIGNIA WHITE (OFF WHITE) Undersurfaces

MATT BLACK M6. Propeller blades, wheel tyres, guns

YELLOW G2. Bombs, tips of propeller blades

SILVER G8. Propeller boss

RED G1. Hook and four red rings on shaft of arrester hook.

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