

inlcip 05/03/2021 - 12/03/2021
KIT No.

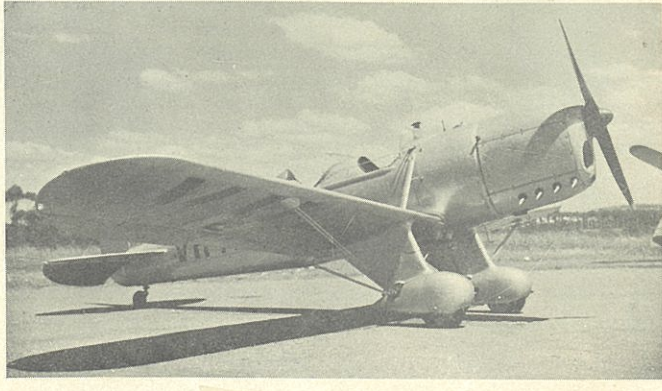
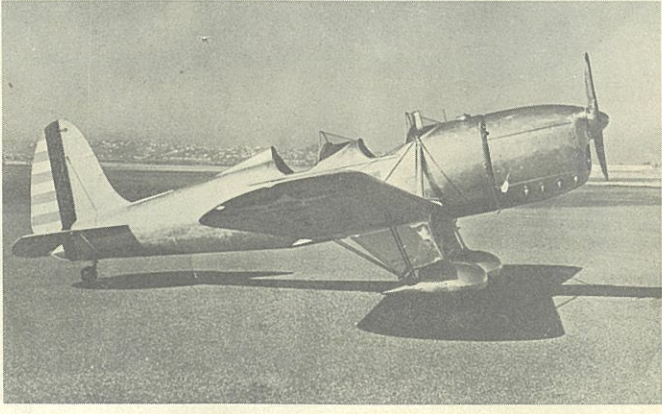
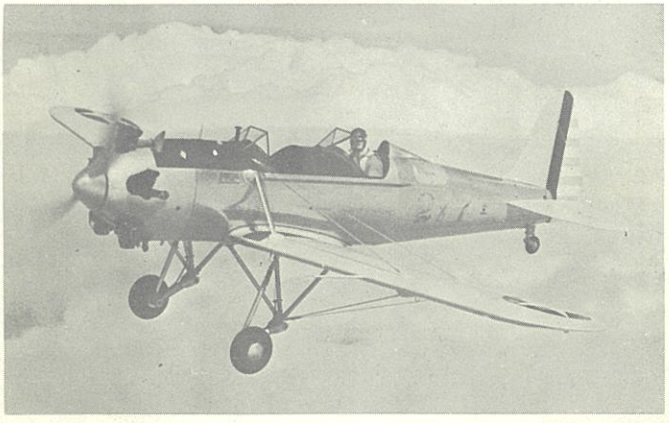
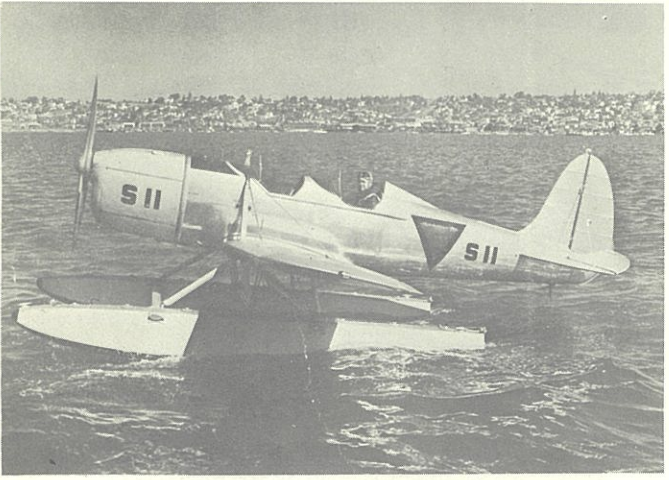
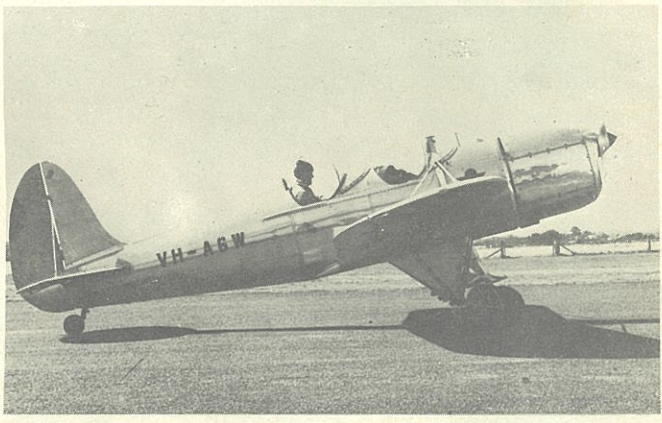
RYAN ST/PT-20

Between the years 1933 and 1942 the Ryan Aeronautical Company manufactured 1238 military versions of the ST series aircraft. The original ST was powered by a 95 h.p. Menasco B-4 engine; the later military STM-S2 (seaplane version of the PT-20) was powered by a 150 h.p. Menasco C-4S. The ST/PT-20 weighed in at 1630 pounds while the STM-S2 grossed 1828 pounds. Wing span is 29' 11".

The ST had a cruising speed of 120 m.p.h. The heavier STM-S2 cruised at 108 m.p.h.

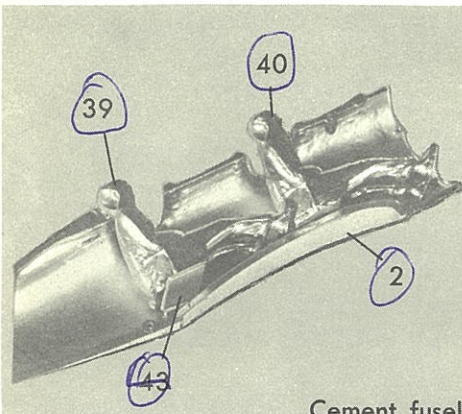
Many ST types are still flying and the airplane, because of its sporty appearance, remains one of the all-time favorites of classic airplane design.

Photos courtesy of JOHN HOPTON and RYAN

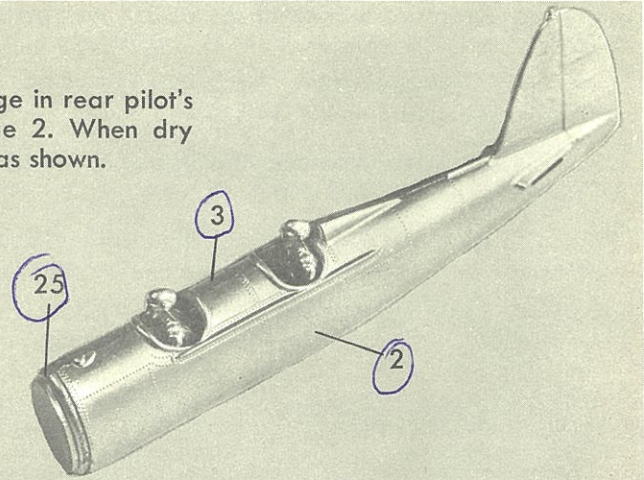


hawk Most Trusted Name In Modeling

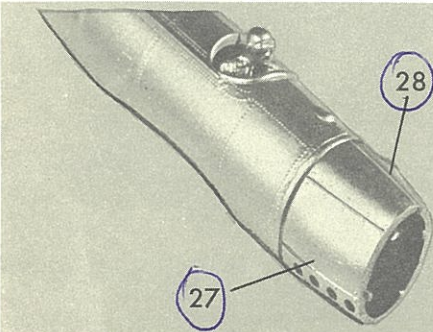
Read all instructions before you begin assembly. Trim all excess plastic from parts and check fit before gluing. Paint all details before assembly. Check painting instructions on back page. Use only polystyrene cement.



Cement pilot support 43 to ledge in rear pilot's position on left half of fuselage 2. When dry glue pilots 39 and 40 in place as shown.

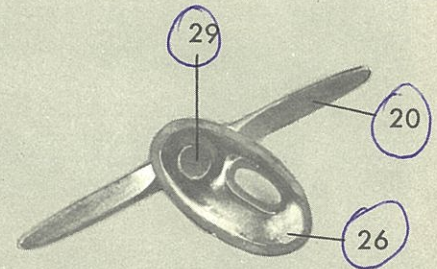


Cement fuselage halves 2 and 3 together and glue firewall 25 in place at front end of fuselage.

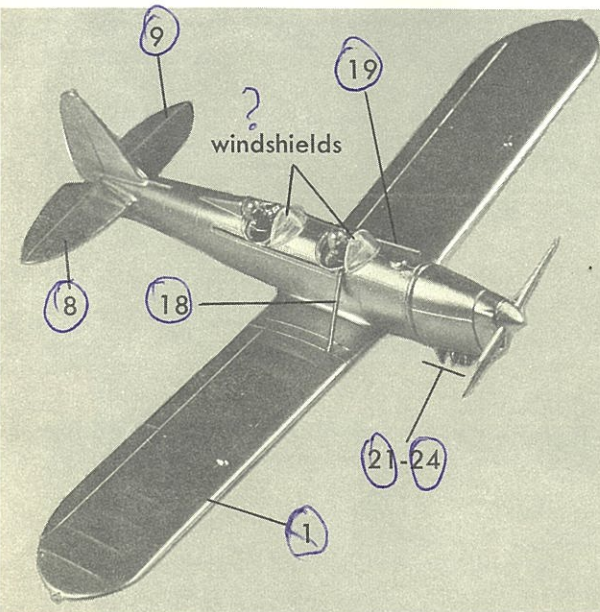


Glue cowl halves 27 and 28 together. When dry cement to firewall making sure that exhaust ports are on the right side.

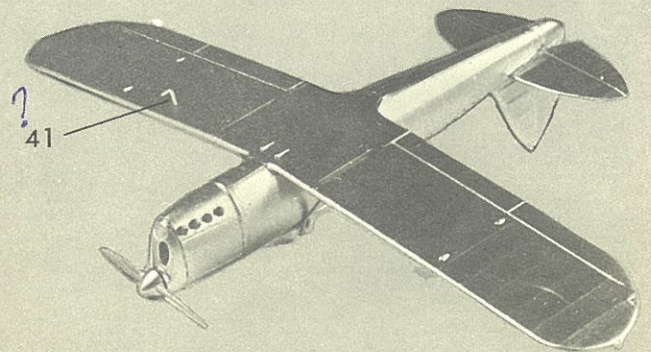
Slip pin on back of propeller 20 through hole in cowl nosepiece 26 and then glue propeller retainer 29 to pin. Be careful not to glue pin to cowl nosepiece or propeller will not turn.



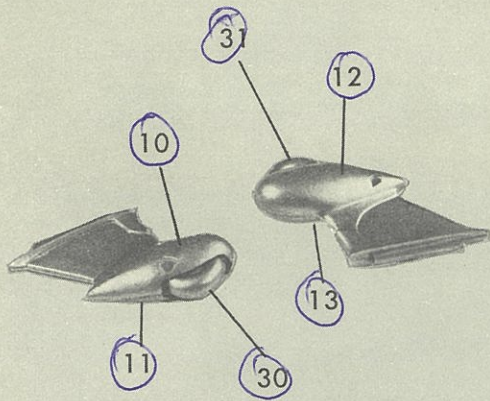
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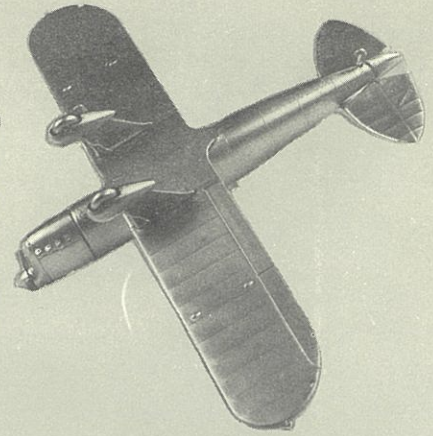
Glue propeller assembly to firewall and then glue wing 1 to bottom of fuselage. Next glue right stabilizer 8 and left stabilizer 9 in place at tail end of fuselage. Glue wing struts 18 and 19 and clear windshields in place. When these assemblies have dried turn plane over and glue engine exhausts 21-24 and pitot tube 41 in place.



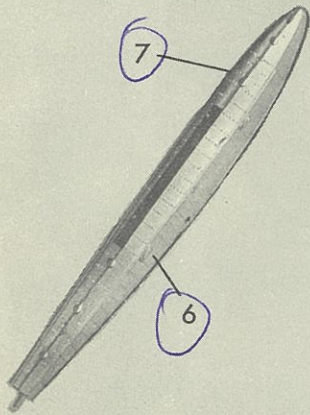
LAND BASED PLANE



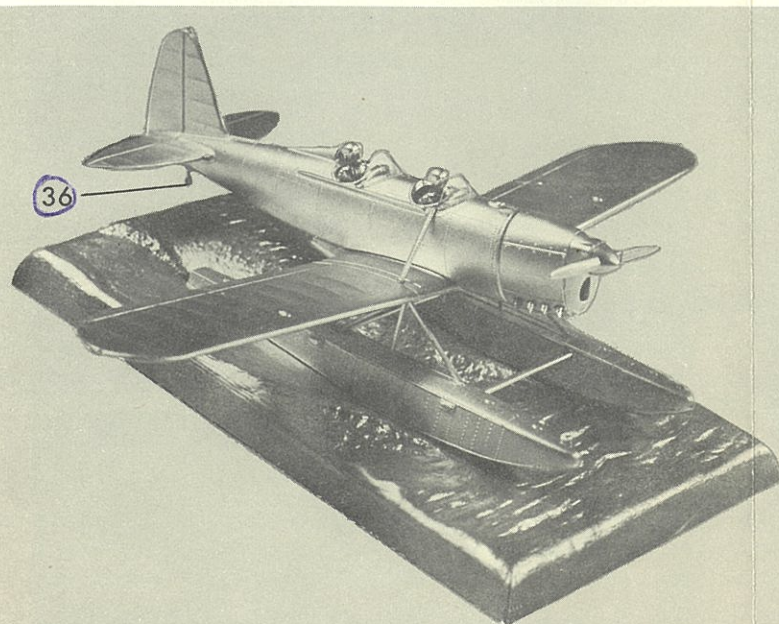
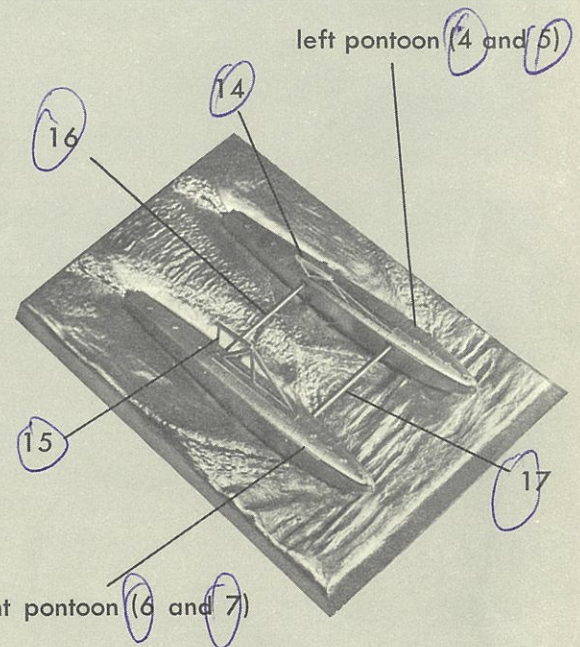
Place a wheel 30 in the depression in wheel skirt half 10 and then glue part 11 to part 10 to complete assembly. Glue up parts 31, 12, and 13 in same manner. Use glue carefully to make sure wheels can turn when assembly is finished. Glue wheel assemblies to under side of wing and then glue tail wheel 35 in place at rear of fuselage.



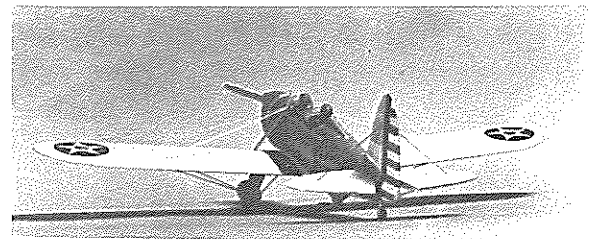
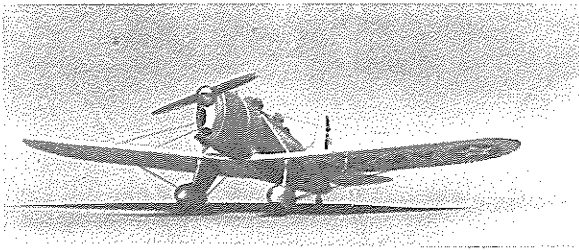
SEAPLANE MODIFICATIONS



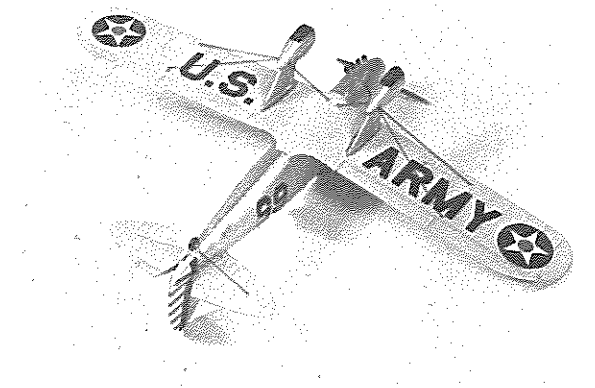
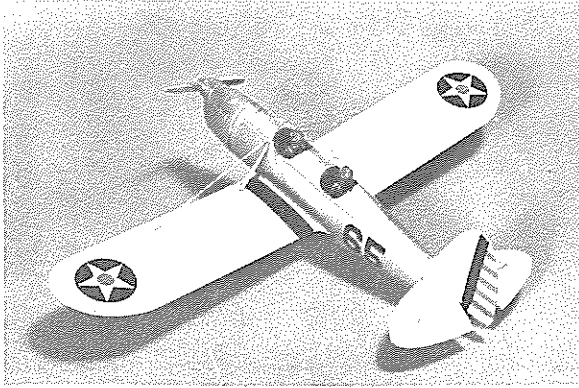
Glue pontoon sections 4 and 5 together and then do same with 6 and 7. Glue pontoon strut 14 to left pontoon (4 and 5) and then strut 15 to right pontoon (6 and 7). There should be an inward leaning of strut assemblies for proper installation to plane. Insert front spanner strut 17 in forward position of one pontoon and rear spanner strut 16 in rear position of same pontoon. Fit spanner struts in corresponding holes in other pontoon and then place unit in seaplane base for proper alignment. When pontoons are aligned glue spanner struts to pontoons.



When unit is dry glue into place on lower side of wing and then glue tail tiedown 36 in place at rear of fuselage. If you wish to attach the docking wheels first insert axle 32 through holes in the pontoons and then glue wheels 33 and 34 on the ends of the axle.



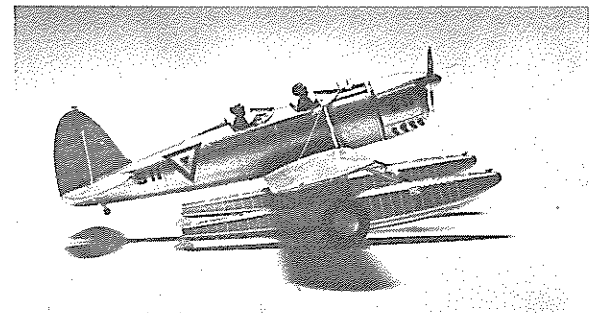
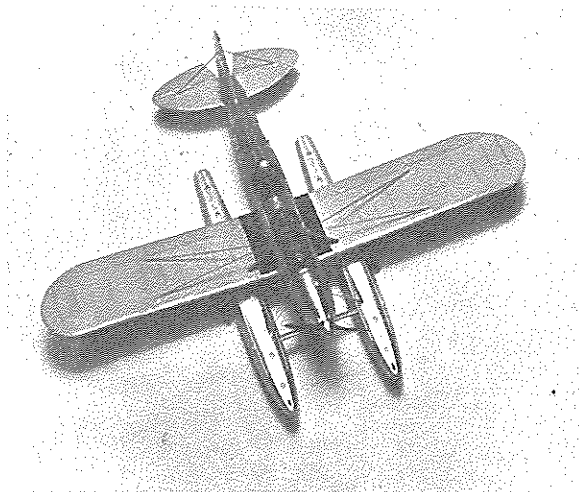
LAND BASED PLANE



PAINTING SUGGESTIONS

Pilots
 face flesh
 helmet olive drab, white, yellow, black, brown
 goggles silver
 flight suit brown
 harness olive drab
 gloves black

Airplane
 fuselage silver
 wing yellow
 stabilizer yellow
 propeller woodtones
 engine exhausts brown
 oil cooler intake black
 cockpit trim brown



SEAPLANE MODIFICATIONS

