

A development of A. V. Roe's Series 500 racing aircraft, the Avro 504 was designed in 1913 and went into service with the Royal Flying Corps the following year. It was designed to become probably the greatest trainer of all time and was the type chosen to develop the system of flying training which remains much the same today.

Intended from the beginning to be a training machine, the 504 was used in action in 1914, and again in 1918 when 274 504K's were converted to single seaters and fitted with a machine gun for use in Home Defence.

The first 504 of 1914 was developed progressively until the model J was produced in 1917, this was selected as the standard trainer but when supplies of its Monosoupape engines ran out, a modified version was produced capable of accepting any of the rotary engines which were available; this became the famous 504K. The 504K was produced in 1918 in Britain and Canada, and subsequently in Australia, Japan, China and Russia.

Rotary engines such as the one in this model were widely used in the early 504Ks. However, it was the straight six cylinder engine (see illustration) that powered the first plane flown by the Queensland and Northern Territory Aerial Services Co. - the small bush fledgling that grew into Australia's round-the-world airline.

QANTAS ordered their Avro 504K from A. V. Roe's Australian Agent in 1920, delivery date being January 21, 1921. It was then put into service - flying the vast Queensland outback for six years. In those days most flights were 'joy rides' and 'taxi' services, and the delivery of some mail and supplies.

Because the 504K was so reliable and economical it proved greatly popular in the early days of Australian civil aviation. As already mentioned, the Q.A.N.T.A.S. machine was powered by the 100 h.p. straight six-cylinder, water cooled Sunbeam 'Dyak' which gave a cruising speed of 65 m.p.h. Wingspan was 36 ft. and length 28 ft. 11 ins.

AVRO 504K - QANTAS' First Aircraft

AIRFIX - 72 SCALE
Avro 504K



AIRFIX

CONSTRUCTION KIT

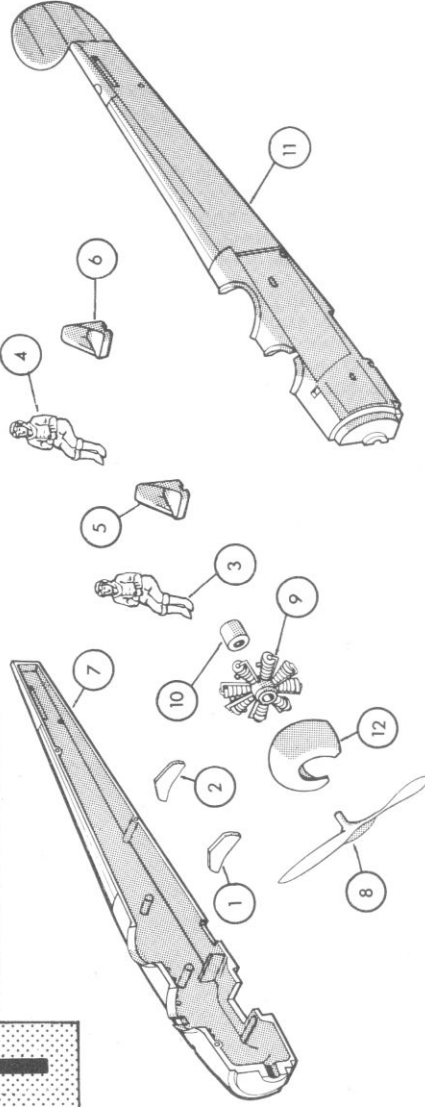
1/72 SCALE MODEL CONSTRUCTION KIT

AVRO 504 K.

INSTRUCTIONS

PAINT ALL DETAILS AND LET DRY BEFORE ASSEMBLING (SEE SECTION 4)
N.B. FOR PAINTING USE "AIRFIX" PAINTS, FOR FIXING USE "AIRFIX" POLYSTYRENE CEMENT

1 FUSELAGE ASSEMBLY



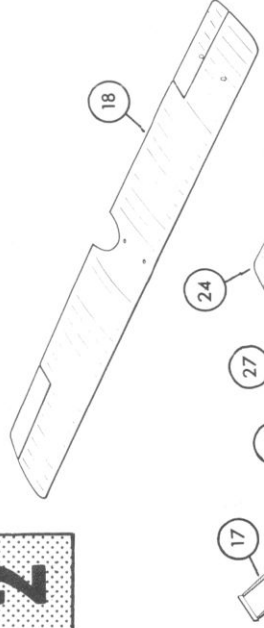
It is recommended that the instructions and exploded views are studied and the assembly practised before cementing together. If it is wished to paint internal details such as crew, cockpit, interiors this is best done before assembly.

1. Locate and cement one side of front and rear instrument panels (1, 2) between forward ribs within front and rear cockpit openings in starboard fuselage half.
2. Cement crew (3, 4) to seat (5, 6).
3. Locate and cement seats onto locations provided in

- starboard fuselage half (7).
4. Cement shaft on propeller (8) into engine (9) then cement retaining bush (10) onto end of shaft protruding from rear of engine.

5. When dry, lay shaft into cut out in nose of starboard fuselage half, **DO NOT CEMENT**, then cement port (11) and starboard fuselage halves together, at same time locating opposite sides of instrument panels between corresponding ribs in port fuselage half.
6. Locate and cement cowl (12) to front of fuselage.

2 WING ASSEMBLY



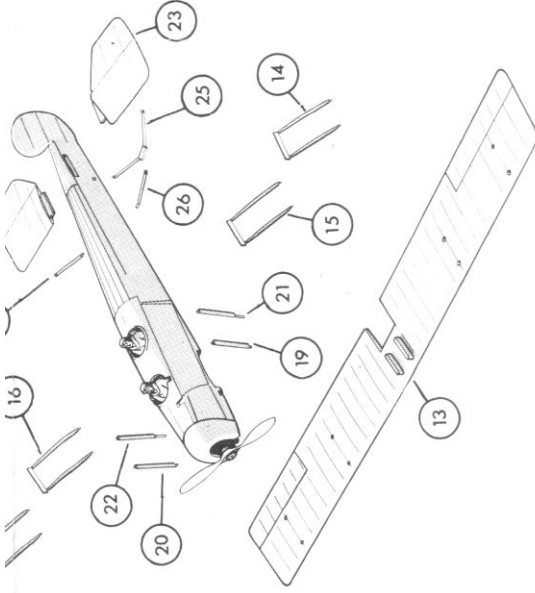
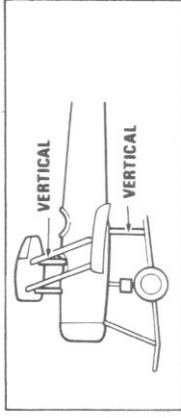
7. Locate and cement raised ribs on lower wing (13) into cut out in bottom of fuselage.
8. Locate and cement ribs on port and starboard wing struts (14-17) into port and starboard slots beneath upper wing (18).
9. Locate and cement short centre section struts (19, 20) in forward locating holes beneath upper wing.
10. Locate and cement small locating pins on long centre section struts (21, 22) into rear locating holes beneath upper wing.
11. Cement upper wing to lower, locating wing struts into corresponding locating holes in lower wing and forward centre

section struts into recesses in top of fuselage, rear centre section struts into cut outs onto rib within forward cockpit sides. NOTE: these centre section struts are vertical. See inset. Set assembly aside to dry.

12. Locate and cement tabs on port (23) and starboard (24) tailplanes into slots in rear of fuselage sides.

13. Cement centre of rear tailplane struts (25) into recess beneath rear of fuselage and into locating holes beneath port and starboard tailplanes.

14. Locate and cement forward tailplane struts (26, 27) into locating holes in fuselage sides and beneath port and starboard tailplanes.



UNDERCARRIAGE ASSEMBLY

3

15. Insert ends of axle (28) through holes in bottom inner sides of port and starboard undercarriage legs (29, 30). DO NOT CEMENT. Cement top of undercarriage legs into recesses beneath fuselage. NOTE: top of legs are angled inwards and legs hang-vertically.

16. Carefully cement wheels (31, 32) onto protruding ends of axles, check they are free to revolve.

17. Locate and cement ends of small rear skid supports (33) into recesses beneath rear and centre of lower wing.

18. Locate and cement ends of large front skid supports (34) into recesses beneath fuselage to rear of cowl.

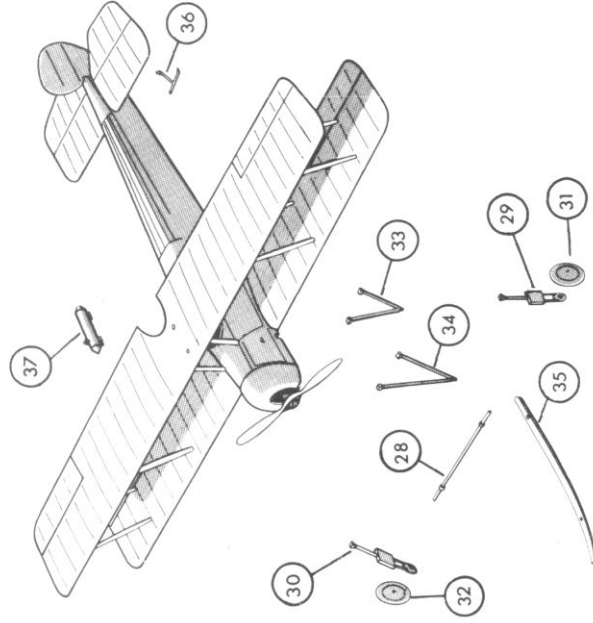
19. Cement locating pins on front and rear skid supports into locating holes in skid (35).

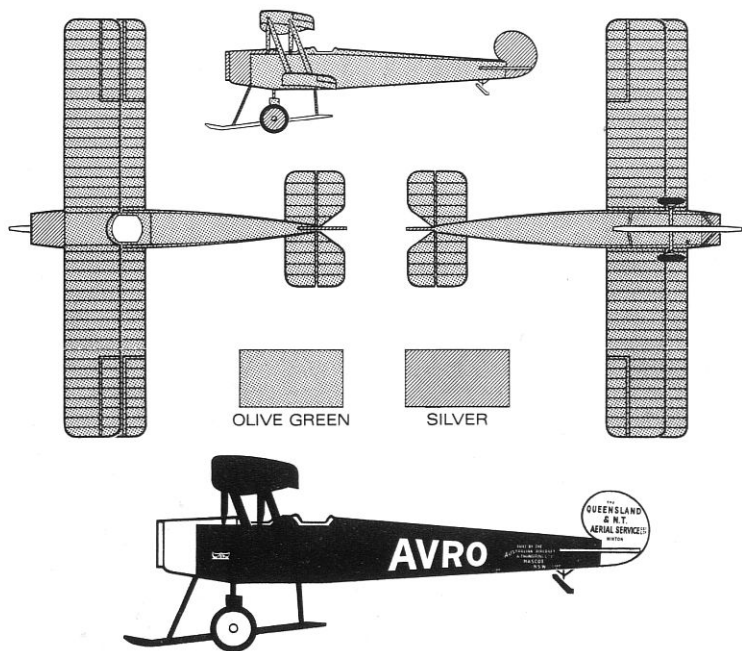
20. Cement tail skid (36) into locating hole beneath rear of fuselage.

21. Cement locating pins beneath gravity tank (37) into locating holes in upper wing.

22. Cement together both parts of stand.

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





NOTE: If it is wished to paint the model it should be done at this stage.

Read the 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.

QUEENSLAND AND NORTHERN TERRITORY AERIAL SERVICES CO. LTD. VERSION.

The AVRO lettering to port and starboard fuselage sides, with wing badge on forward port side. The Queensland and Northern Territory Aerial Service title to port and starboard sides of rudder fin. Other smaller markings as positioned on drawing opposite.

OLIVE GREEN M3 All wing surfaces and fuselage.

SILVER Rudder fin and wheels.

MATT BLACK M6 Wheel Tyres.

SILVER Engine cowling and forward part of fuselage level with leading edge of wing.

DARK BROWN Propeller, flying suits of crew.

LIGHT BROWN Wing struts and skid.

With the compliments of

QANTAS AIRWAYS



AIRFIX - 72 SCALE
AVRO 504 K

