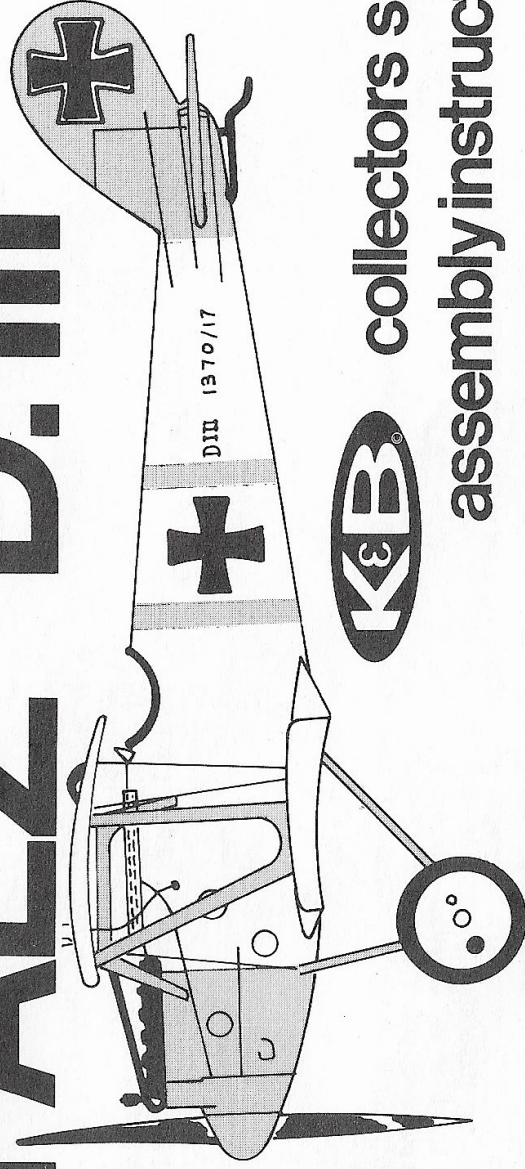


# PFALZ D. III

1/48 SCALE

KIT 1109



**K&B** collectors series  
assembly instructions

K & B MANUFACTURING Division of Aurora Products Corp.

12152 S. WOODRUFF AVE., DOWNEY, CALIF. 90241

## HISTORY OF PFALZ D. III

This scout biplane was produced in 1917 at the Pfalz Flugzeugwerke, G.M.B.H., Speyer-on-Rhine. The famous exploits of the Fokker Triplane cancelled the original thought that the Pfalz might be a possible successor of the Albatross single-seater. It was flown on the Western Front by the Sixth, Fourth, Seventeenth, Second and Eighteenth Armies. The Pfalz was favored over the Albatross D. III because of its rapid maneuverability, and its special tailplane section that enabled it to pull out of a fast dive quickly. The Pfalz was built much stronger than the Albatross D. III, but was nearly 20 m.p.h. slower. It was one of the slowest German scouts on a climb; it took seventeen minutes to reach 10,000 feet, as compared with the Allied types, the Camel, the S.E. 5A, and the Spad which took only five or six minutes to reach 10,000 feet, a very great disadvantage.

The Pfalz D. III, and the Albatross resembled each other a great deal except for the differing tail assemblies. The Pfalz had a squarecut rectangular tailplane with raked tips in contrast to the smoothly rounded tailplane and elevator of the Albatross. A general wariness of the Albatross scouts and the official abandonment of the Fokker Triplane, gave a new lease of life to the Pfalz D. III. For several months, the Pfalz reigned supreme on the western front, and was well known to many German aces.

The Pfalz D. III scout biplane was a popular single-seater during 1917, and often was flown in mixed squadrons with the Albatross D-V. Many German scout pilots alternated between these two types of craft. For the dangerous and precise operation of balloon-busting, the Pfalz was particularly suited due to its design. Specializing in this work, Heinrich Gontermann, German ace, shot down 18 Allied observation balloons.

Powered by a 160 h.p. Mercedes Engine, the maximum speed was 103 m.p.h. at 10,000 feet, and 91 m.p.h. at 15,000 feet. Storage of 21½ gallons of petrol, and 4 gallons of oil, provided the necessary tankage.

Normal Armament consisted of twin fixed and synchronized Spandau machine guns mounted above the engine cowling immediately forward of the pilot's cockpit. It is reported that a special version was armed with three synchronized Spandau machine guns for balloon-busting duties. Wing construction was of wooden main spars and ribs, braced internally and externally with wire, fabric covered. Fuselage was wooden monocoque structure, plywood covering, except forward of pilot's cockpit, which was aluminum covered. Tail was wooden framework, fabric covered.

The Pfalz D. III scout played an important role in World War I, and would possibly have been more famous if it had not been for the early success of the Fokker Triplane. The actual plane may be seen at the Imperial War Museum.



# please read before starting

1. Study the illustrations and instructions carefully.
2. Use a sharp knife to cut parts from runners and to remove any excess plastic from the parts.
3. Check fit by assembling parts without cement.
4. Assemble parts in the correct assembly sequence listed in the instructions.
5. Assemble parts using styrene plastic cement. Use cement sparingly — too much cement may damage your model.
6. Use only enamel or paint for plastics, and allow paint to dry thoroughly before handling. Where necessary scrape paint from areas where cement is to be applied.
7. Rigging instructions are included for the advanced modeler who wishes to duplicate the flying wires of the real aircraft. These steps are optional, and are not required for the completion of the kit. Final choice of rigging material (thread, plastic fishing line, or fine wire is left up to the modeler. Rigging material is not included in this kit.

8. Federal Standard Color Numbers have been included in the instructions for those wishing to paint their models in authentic colors. These numbers refer to color samples printed in FS595A Volume 1. Copies may be purchased for \$2.25 from:

The General Services Administration  
Business Service Center  
Region 3  
Washington, D.C.

If you would like to develop new modeling techniques, find various color schemes for your models, read news and reviews of the latest kits, and share your modeling achievements with others — then join the International Plastic Modelers' Society. For membership information write to:

International Plastic Modelers' Society — USA  
P.O. Box 1163 Dept. K  
Ben Franklin Station  
Washington, D.C. 20044

Every effort has been made to insure the completeness of this kit — however, should any part be missing, write directly to:

K & B Manufacturing  
Customer Service Dept.  
12152 S. Woodruff Avenue  
Downey, California 90241

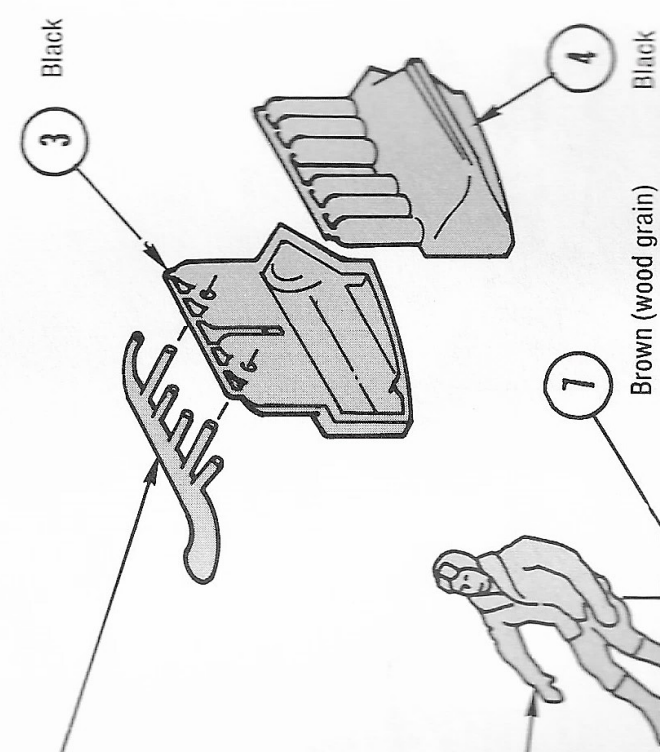
When writing, please print your name and address plainly. Kit name and number must be included.



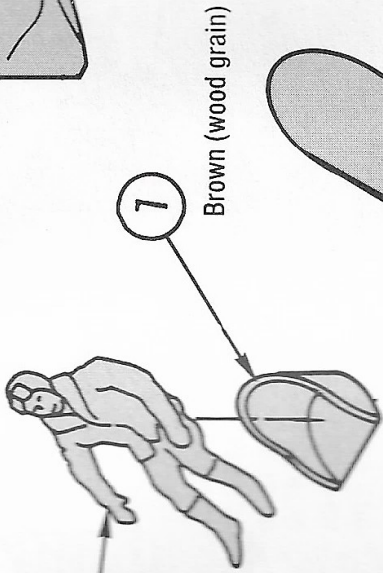
1972 K&B MANUFACTURING  
Division of Aurora Products Corp.  
12152 S. WOODRUFF AVENUE  
DOWNEY, CALIFORNIA 90241

# 1. fuselage

- a. Locate and cement **RIGHT ENGINE HALF (3)** to **LEFT ENGINE HALF (4)**.

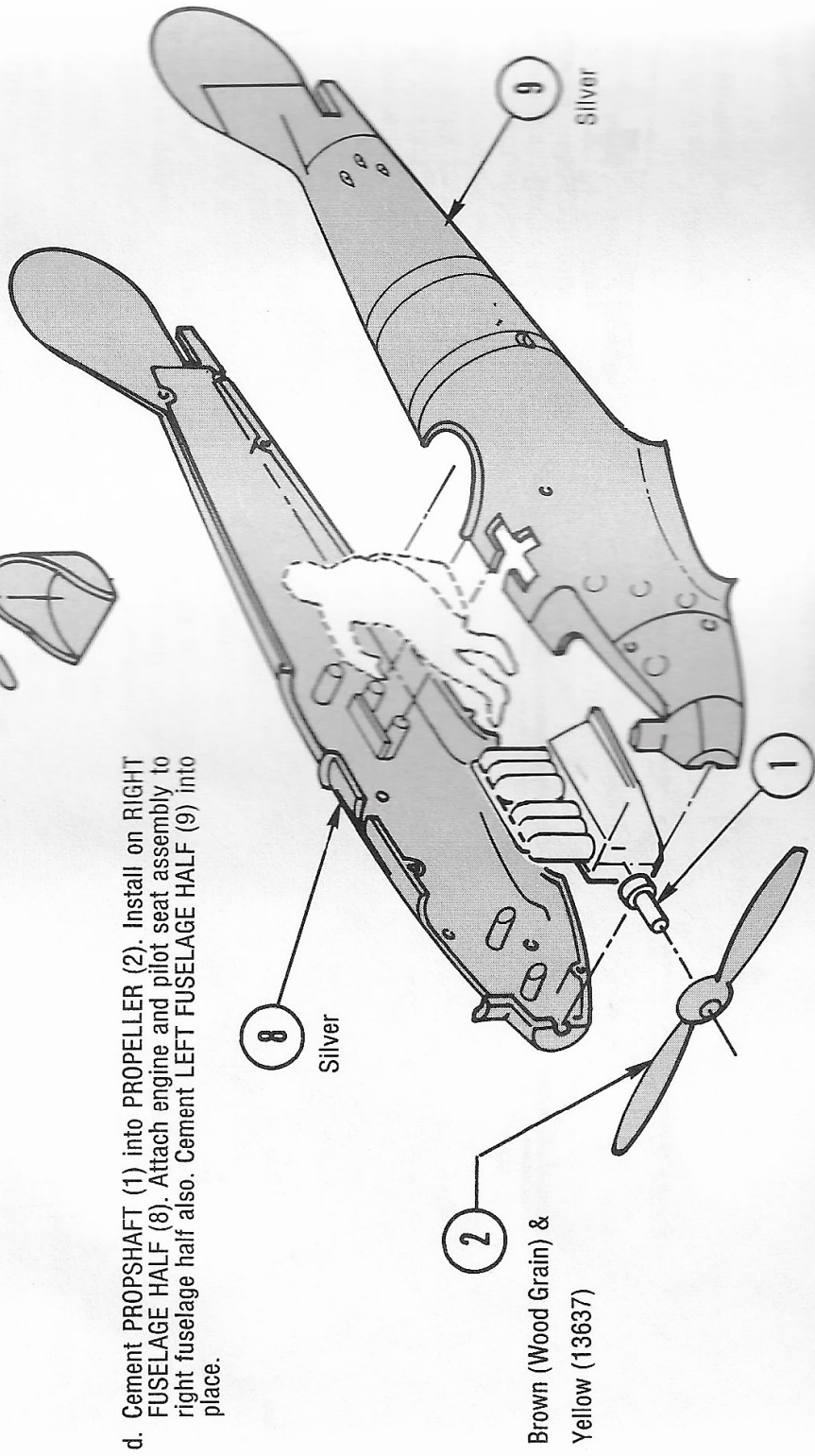


- b. Cement **EXHAUST MANIFOLD (5)** to right side of engine assembly. Note large portion faces forward.



- c. Assemble **PILOT (6)** to **SEAT (7)**.

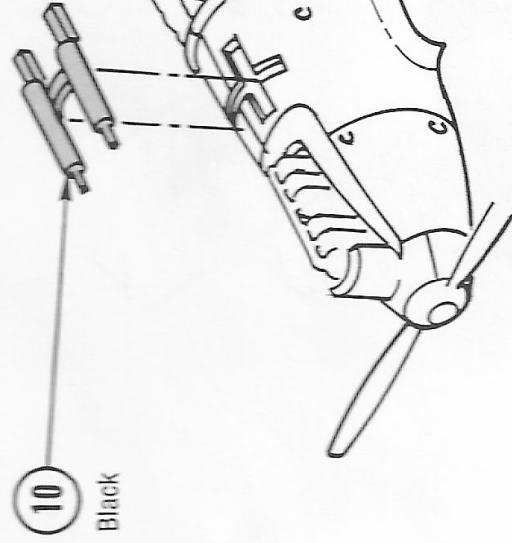
- d. Cement **PROPSHAFT (1)** into **PROPELLER (2)**. Install on **RIGHT FUSELAGE HALF (8)**. Attach engine and pilot seat assembly to right fuselage half also. Cement **LEFT FUSELAGE HALF (9)** into place.





## 2. fuselage & tail surface assembly.

- Glue SPANDAU MACHINE GUNS (10) in the "H" shaped opening of the fuselage assembly.
- Attach HORIZONTAL STABILIZER (16) into slot at the rear of the fuselage assembly. Check alignment.



10  
Black

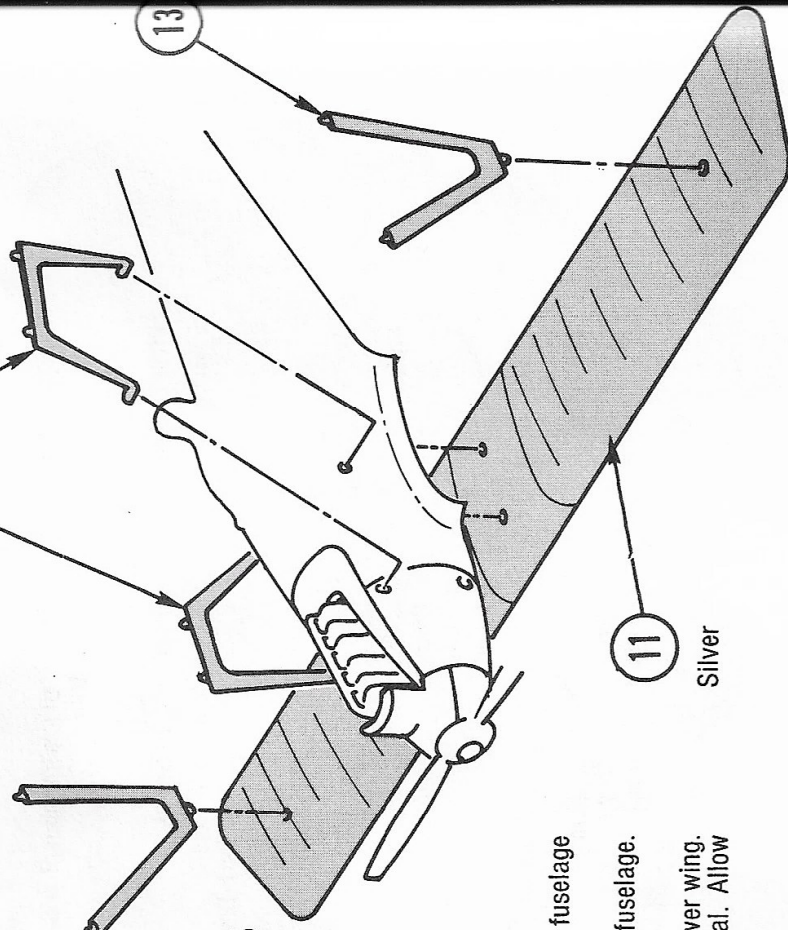
16  
Yellow (13637)

12  
Yellow (13637)

13  
Yellow (13637)

## 3. lower wing & struts

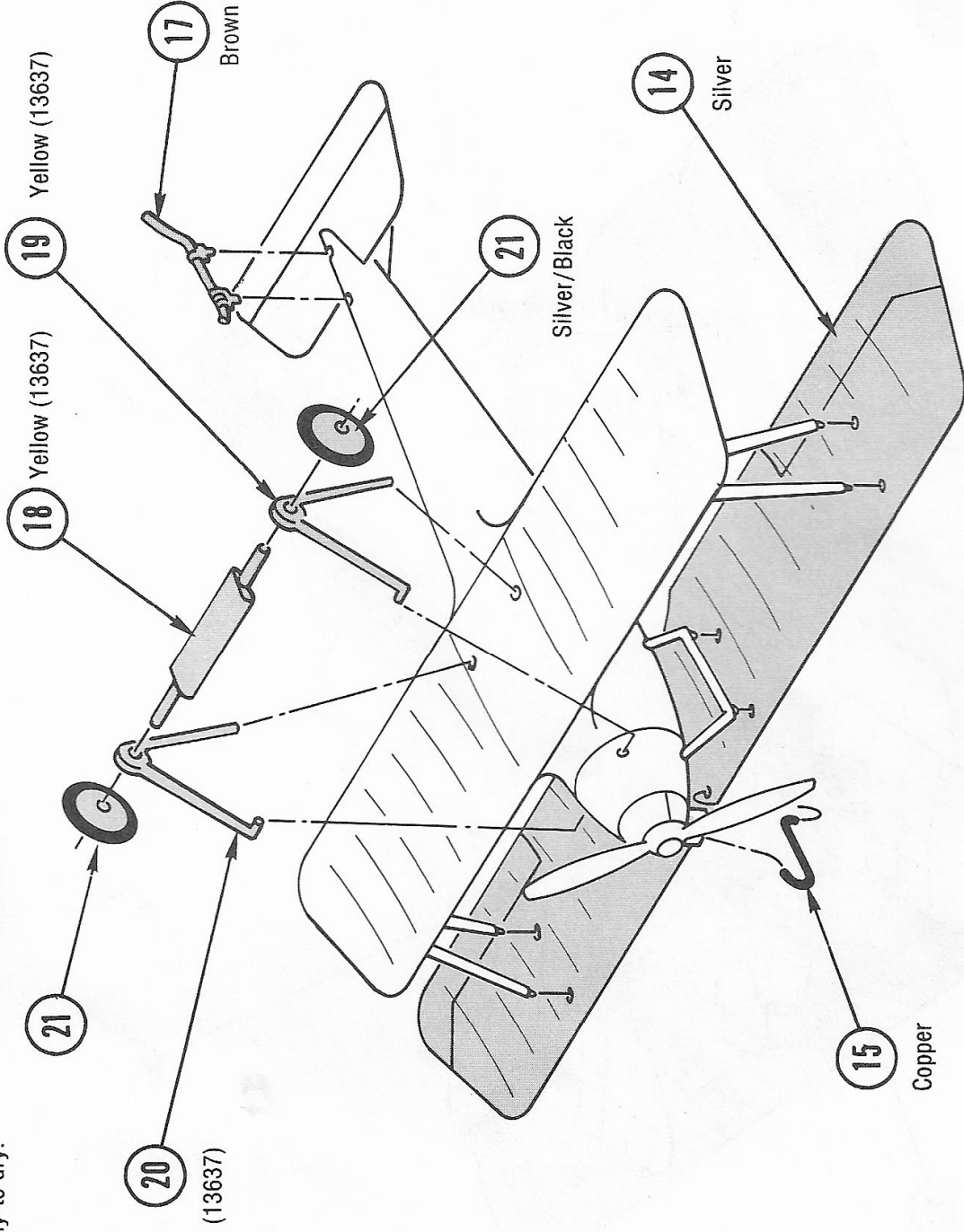
- Cement LOWER WING (11) into recess on bottom of fuselage assembly. Check alignment.
- Attach CABANE STRUTS (12) 2 PCS. to holes inside of fuselage. Check that each is at the same angle.
- Glue INTERPLANE STRUTS (13) 2 PCS. into holes in lower wing. Rear leg of the struts should be approximately vertical. Allow struts to dry before proceeding to next step.



11  
Silver

## 4. upper wing & landing gear

- a. Lay UPPER WING (14) upside-down on work surface. Place a small drop of cement in each strut hole of the upper wing. Holding fuselage upside-down place struts into holes one at a time. A pair of "tweezers" will be very helpful for this task. Allow assembly to dry.
- b. Attach RIGHT (19) and LEFT LANDING GEAR STRUT (29) to AXLE (18). While assembly is still "wet" cement to holes in fuselage and lower wing.



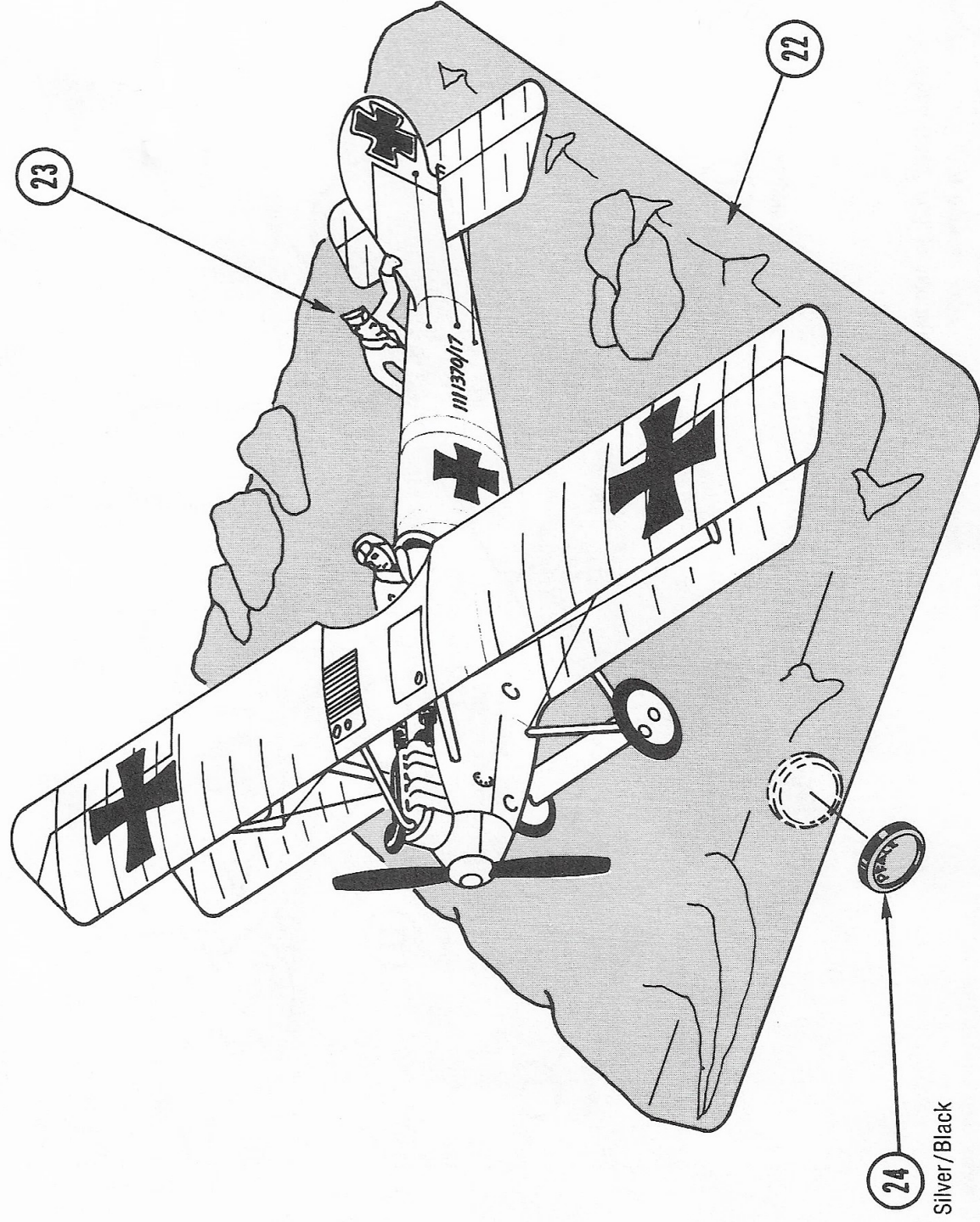
- c. Cement WHEELS (21) 2 PCS. to axle as shown.
- d. Attach FUEL LINE (15) between lower surface of upper wing and front of engine.



## 5. rigging & final assembly

- a. Using the drawing shown, the scale drawings provided and any other reference material available, rig the model using thread. Since styrene cement will attack the painted model it is suggested that you use epoxy to tack the rigging in place. Wrap the

ends of struts or drill holes into the wings at the appropriate location and lightly tack the rigging in place, pass thru previously drilled holes in wings and tack loose end in place. Tape will keep loose ends in place while epoxy cures. Loose ends can be trimmed when tape is removed.



# SCALE VIEWS PFALZ D.III

## COLOR SPECIFICATIONS

FUSELAGE — satin or matt silver  
WINGS — finish — (No equivalent in Fed. Std. 595)

INTERPLANE STRUTS — Yellow — (Fed. Std. #595 color #13637 is a close approximation)  
CABANE STRUTS  
HORIZONTAL STABILIZER  
VERTICAL STABILIZER  
FUSELAGE NOSE SECTION  
LANDING GEAR STRUTS  
WHEELS

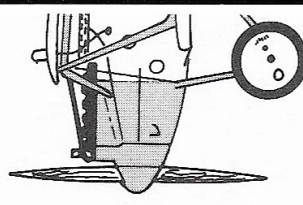
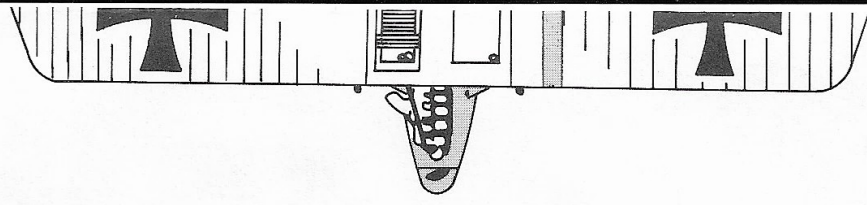


INSTRUMENT PANEL — Brown, Black Instrument with Silver trim

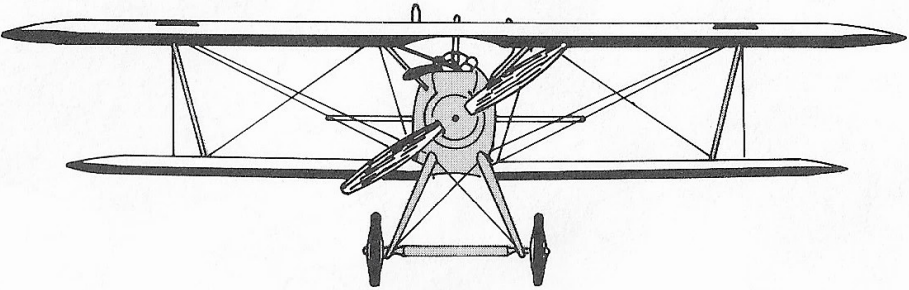
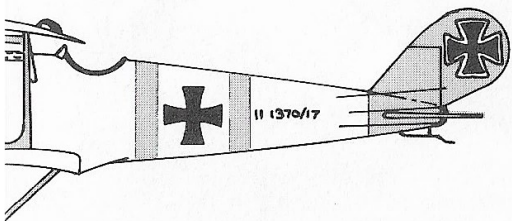
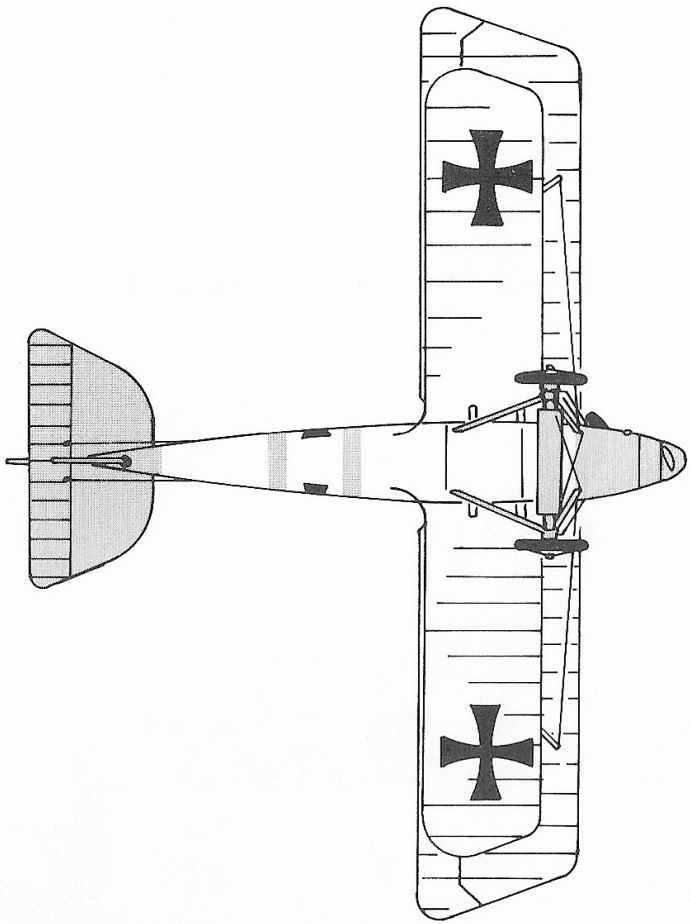
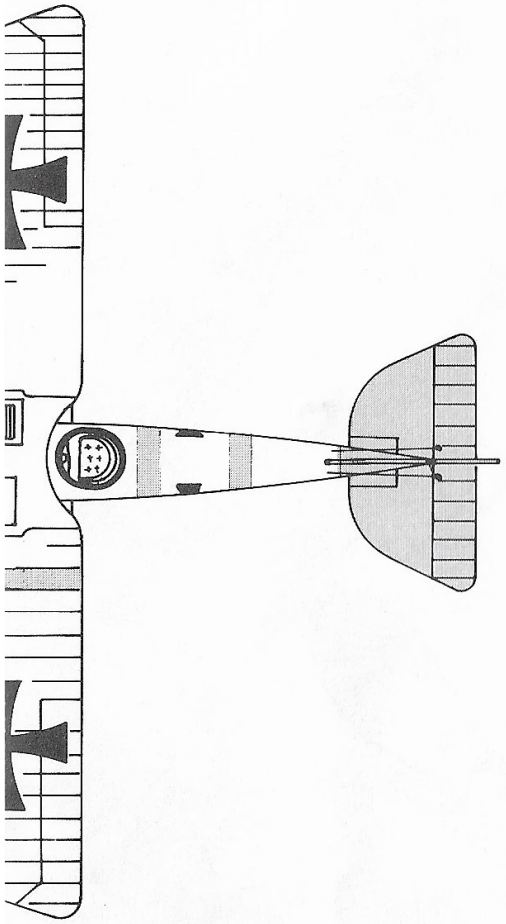
PROPELLER — Brown (Wood Grain)  
ENGINE — Cylinders & crank case Black. — Exhaust — Dark Brown

PILOT — Helmet  
Coat  
Pants  
Boots  
Medium  
Brown

MECHANIC — Coveralls  
Cap  
Shoes —  
Medium  
Grey  
Black

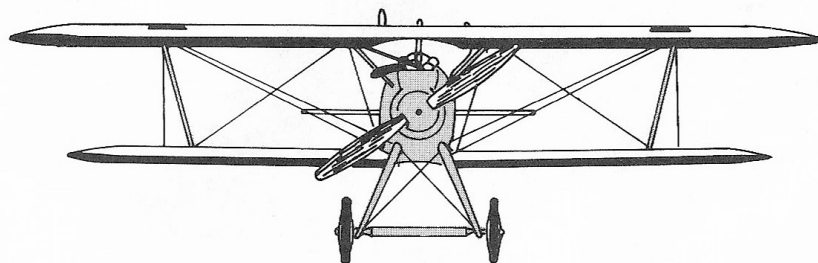
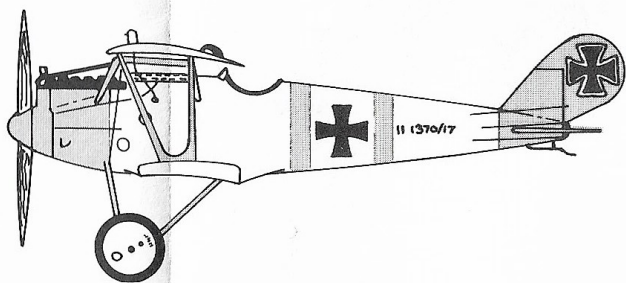
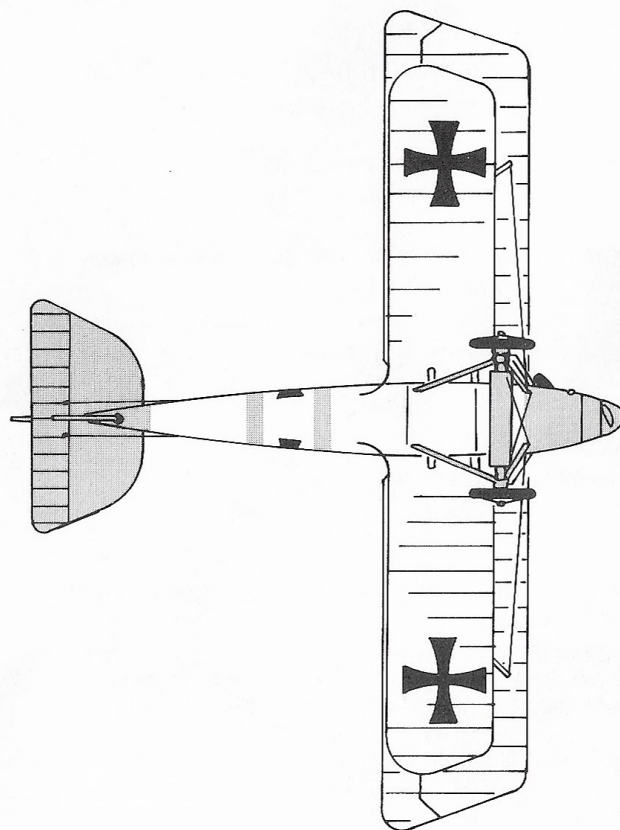
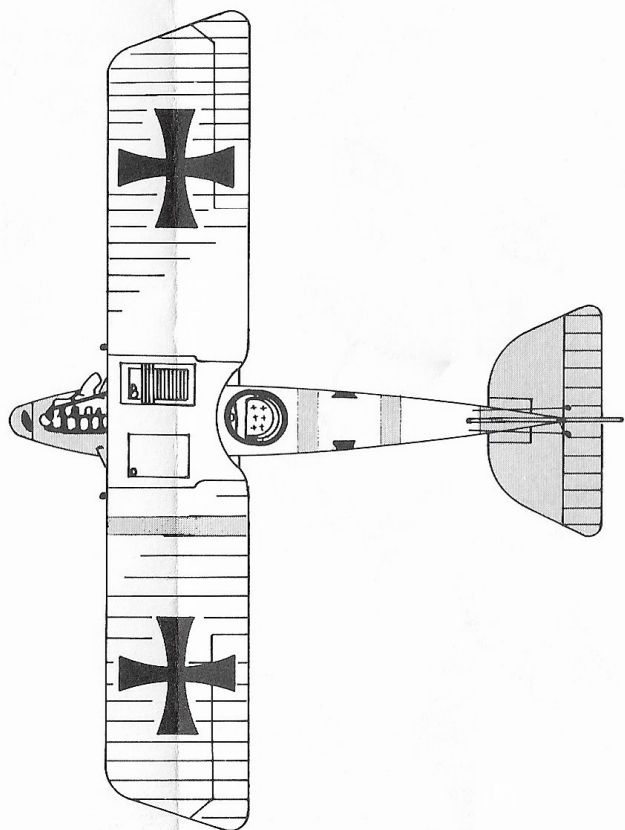


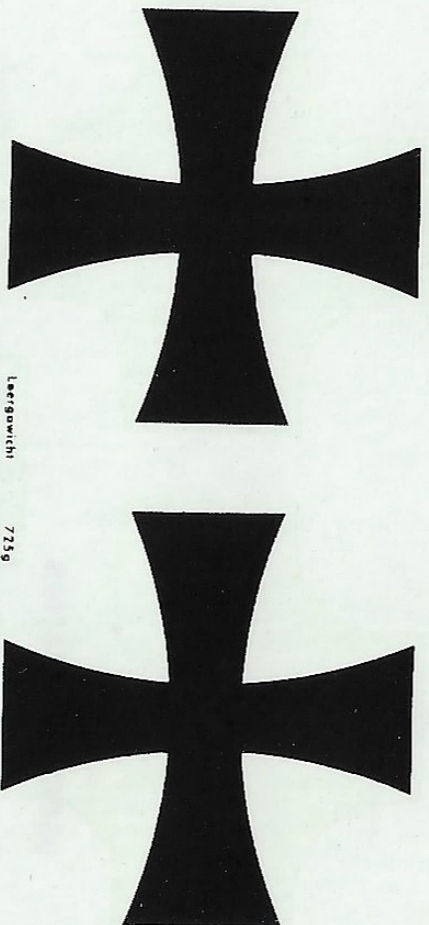






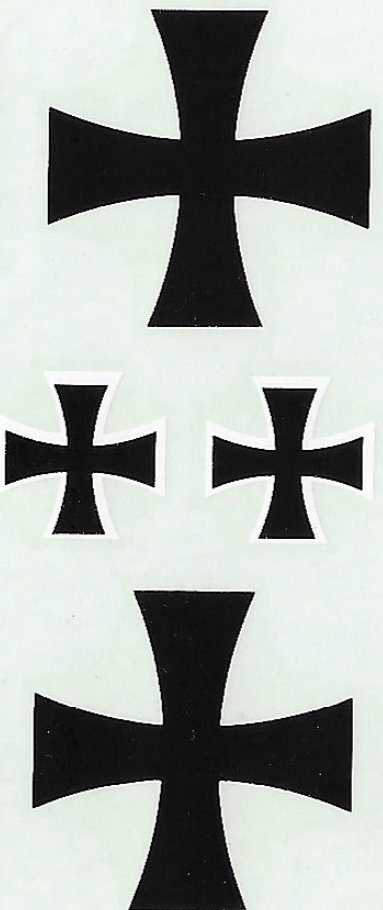
# D. III





Laerengewicht: 725g  
Ladegewicht: 180g  
Gesamtgewicht: 905g

Munition: 0H9



D.III 1370/17

D.III 1370/17