BUILDING THE A6M2 ZERO







CONGRATULATIONS'

You now own the most accurate R/C Stand-Off Scale kit ever produced

We at Top Flite hope that you will find this model the most pleasant to build, inspiring to look at and exciting to fly that you have ever constructed

It is honest to point out, however, that while this model is no more difficult - in fact is simpler than most comparable kits to make, R/C scale models generally are not for the newcomer to this hobby Previous modeling experience and careful attention to craftsmanship are necessary Even the "old hand" will do well to study and follow the instructions and guidance given in this booklet.

It is-our aim to have you say "This is the finest model I have ever built".

TOP FLITE MODELS. INC

CONSTRUCTION OF THE A6M2 ZERO

BEFORE YOU START, READ THIS

The assembly sequence of your Top Rite ZERO has been carefully developed to help assure the correct alignment of your model Utilize the check-off blocks as you build this will allow assembly of your model in minimum time

Before beginning an assembly step, read the instructions to familiarize yourself with the parts to be used Find the parts mentioned and double check them for proper identification and size with the plans Do not separate parts from the die cut sheets until you need them There are machined parts in the kit which are not identified such as the leading edges, wing tips, etc These parts can be easily identified by checking the parts against the plan.

We are sometimes asked which glues are best for model construction. The answer to this depends upon the particular job. This is our normal recommendation. For all hardwood to hardwood or hardwood-to balsa joints, use white wood glue. "Titebond" is especially good, as it dries faster than other white glues and is very strong. For balsa-to-balsa joints, regular balsa-wood cements are ample for the job, although white glue can be used here too. Whichever type you use, remember that excess glue is no substitute for a well fitting joint. Use a minimum of glue at all times, and wipe off excess glue that squeezes out of joints before it sets hard, when set it is difficult to remove, but if not removed it could spoil the covering job.

IMPORTANT NOTE TO BUILDER

Every model built from a kit is different, reflecting the level of skill as well as the favored building techniques of the modeler ultimately thus, each model is essentially the individual creation of that builder.

Changes and variations take place in building so that while Top Flite supplies most essential building materials, the end product is the creation of the builder

Therefore, Top Flite assumes no responsibility for the performance of the model, nor does Top Flite assume any responsibility of any nature whatsoever for the loss of, or property damage resulting from the operation of this model when it is completed

USE COMMON SENSE

When you have completed this model, you will have invested considerable time, money and skill Protect this investment by,

- 1. Re-checking all critical building points (center of gravity, hingeing of control surfaces, strength of stress areas, etc).
- 2. Correctly installing the radio gear
- 3. Test and re-test the radio, all moving surfaces, landing gear (if retracts), condition of batteries, etc., BEFORE EACH FLIGHT!
- 4. OBSERVE ACADEMY OF MODEL AERONAUTICS SAFETY CODE, particularly those rules governing RADIO CONTROLL-ED FLIGHT DO NOT FLY WITHOUT BEING FULLY INSURED

WARNING!!

A radio controlled model is not a "TOY" Care and caution must be taken in properly building the model as well as in the installation and use of the radio controlled device. It is important to follow all directions as to construction of this kit as well as installation and use of the engine, propellers and radio gear. The advice and assistance of a well experienced builder and pilot is highly recommended. Don't take chances. Improper building, operation or flying of model could result in serious bodily injury to others, yourself, or property damage

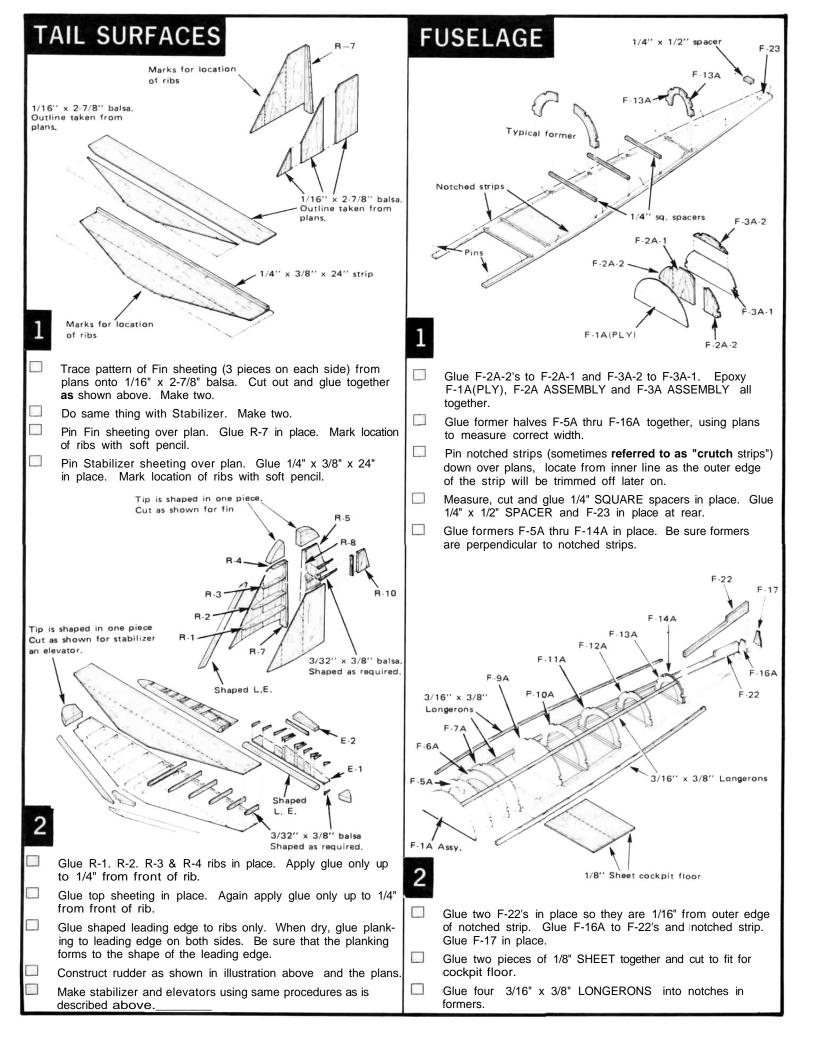
CONSTRUCTION SEQUENCE

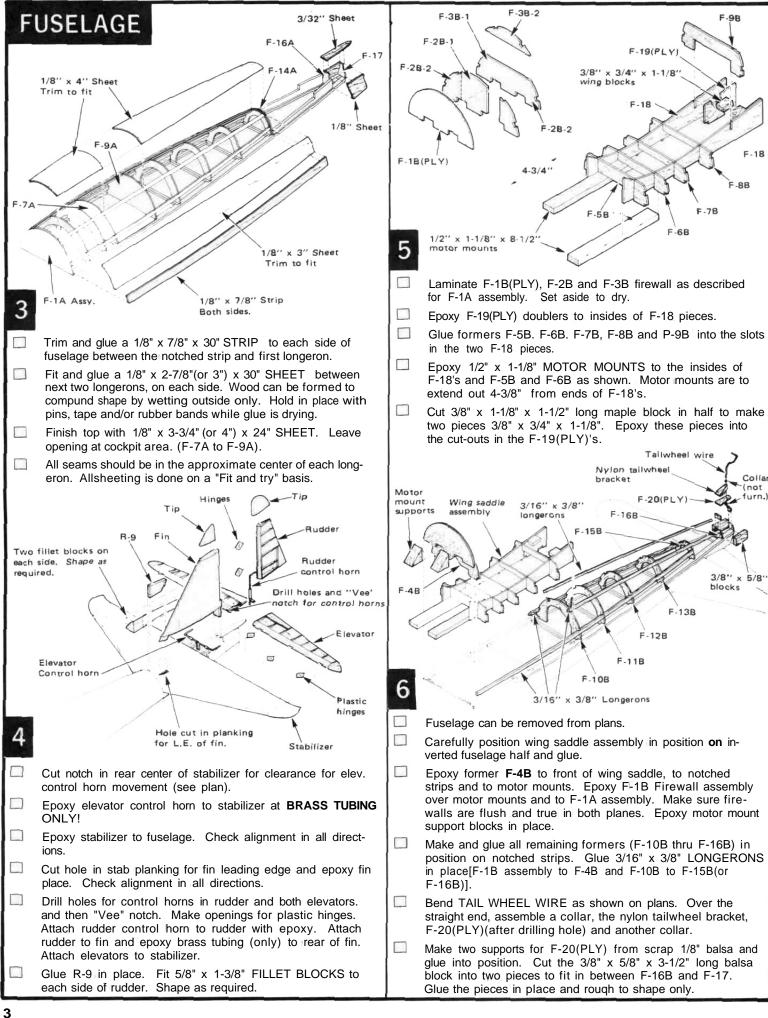
Follow each step in order and put check marks in the blocks as you complete each phase described.

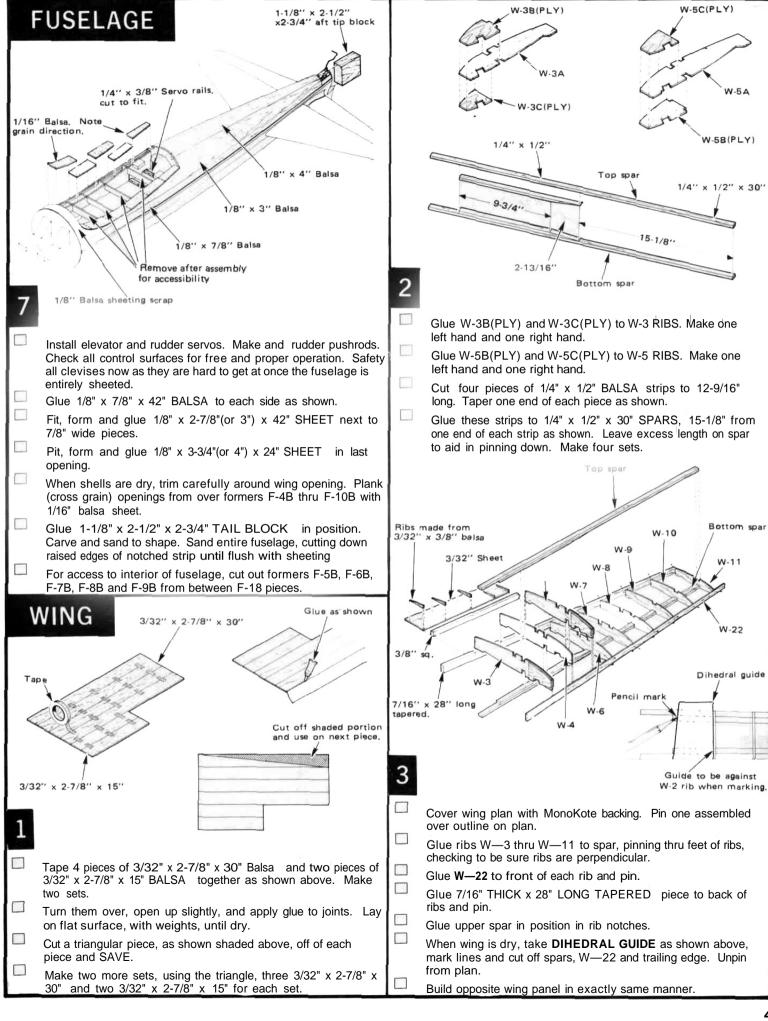
PLANS

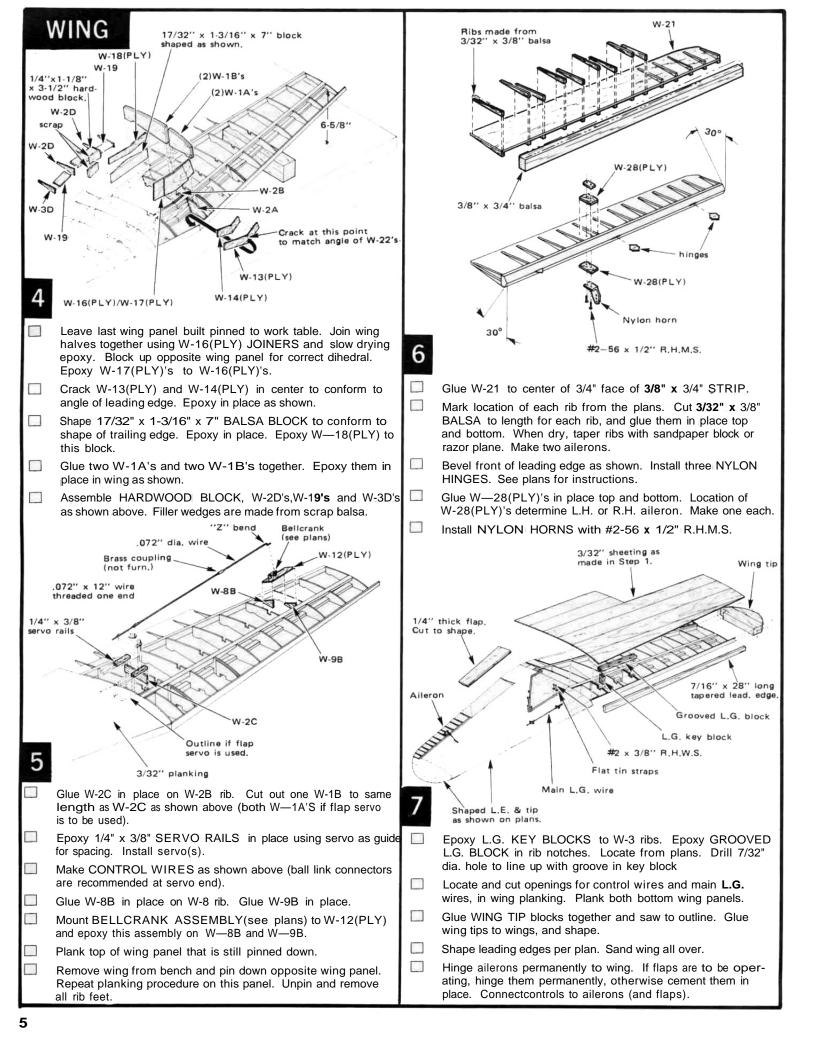
The fuselage plans come in two sheets The smaller
must be cut along the dotted line and glued (or taped)
to the larger plan at the dotted lines Before you do
any building of this kit, we suggest you spend a few
hours reading and studying this book and the plans.

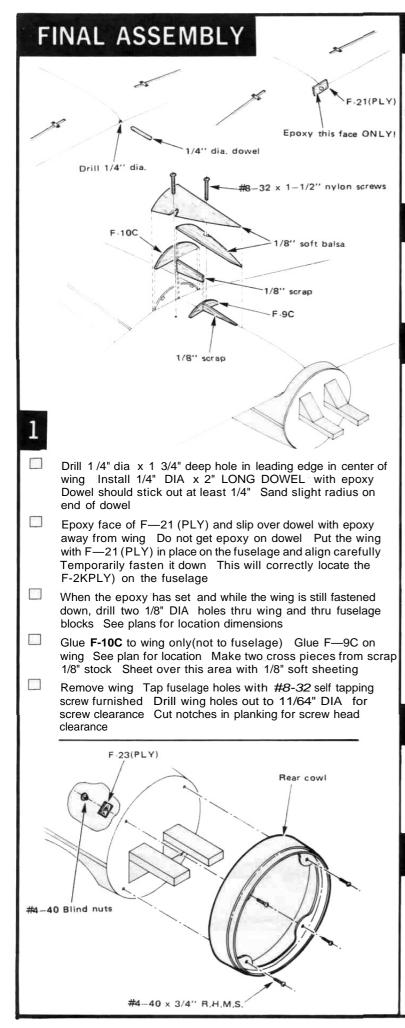
When you are ready, tape or tack the fuselage plans on a		
flat work surface	Cover the working area of the plan with	
MonoKote backing or waxed paper		











2

Temporarily center the REAR COWL on fuselage so that the mounting holes are at 45° to the vertical and horizontal center lines of the fuselage Mark location of holes with soft pencil

Remove cowl and drill 1/8" DIA, holes thru at marks

Drill a 3/16" dia hole in the center of each F 23(PLY) piece Press a #4—40 blind nut firmly in each one

Fasten the rear cowl in place with four #4-40 x 3/4" R.H.M.S. Use the F 21 (PLY) with blind nut inside the fuselage

3

With wing bolted in place, form and fit wing fillets W-23, W-24 and W-27 All fillets on each side of the wing must be done at the same time for proper fitting W 23's are fixed to the wing while W 24 and W 27 are fixed to the fuselage Smooth joints with Dap

4

Drill holes in firewall at proper locations for throttle and mixture controls and fuel line Install engine— 60 to 90 recommended Attach fuel line Install throttle and fuel mixture control cables Check for free movement.

Install the radio equipment (receiver, battery, servos, etc.) as per the manufacturers instructions

Make cut outs in FRONT COWL for exhaust, glow plug, etc Cement to rear cowl and sand lightly with 400 grit paper prior to painting

Attach W-26(PLY) L.G DOORS to main landing gear wire as shown on plans, Install main wheels and tail wheel

Cover the model (except cowl) with colored MonoKote, or or cover the model with CHROME MONOKOTE, paint as per color desired and then scribe panel outlines.

Paint cockpit with flat black. Install pilot (not furnished). Trim and install vacuum formed gun ports and canopy. See plans for adhesives to use. Apply markings furnished.

Check radio carefully, including range check per manufacturers instructions. Check Center of Gravity. Do not deviate from position shown on plans. If you are not a proficient R/C pilot, get the help of one. See warning on page 1. Save your planeavoid grief.

FLAP INFORMATION

This plane is designed to have operating flaps if desired The flaps will have to be hinged and control horn added, instead of fastened solid as shown on plans Provisions have been made in the wing for the additional servo The decision to have operating flaps must be made before the wing construction is started

LANDING GEAR RETRACTS

Again the decision to use landing gear retracts must be made before construction begins. Construction provisions have been built into the model for retracts. There is room in the center of the wing, foreward of the main spars, for a servo (mechanical retracts) or a servo and valve (pneumatic retracts). The air supply tank (pneum system) is located in the fuselage. Be sure the tank(s) and air lines DO NOT INTERFERE with the pushrod operation. The model can be balanced with the wheels up or down as the fore and aft CG remains the same.

