

# JR. FALCON

R/C MODEL, KIT G 18  
SINGLE CHANNEL  
FOR .049 TO .074 ENGINES

SPAN: 37"  
LENGTH: 28"  
AREA: 250 sq. in.  
WEIGHT: 16 oz.

Designed and drawn by:  
*Carl Goldberg & Norman F.C. McVicker & Ron Paulowski*

ORIGINAL MODELS DRAWN AND BUILT BY R. JESS KRIESER

**CARL GOLDBERG MODELS INC.**  
4734 W. CHICAGO AVE. • CHICAGO, IL 60651

### ENGINES TO USE

All high-.049 engines are suitable, and may be mounted directly to the firewall, or beam-mounted if necessary.

Engine, propeller, tank, wheels, radio equipment, and hardware such as screws and nuts, etc., not included in this kit. Obtain them from your hobby shop.

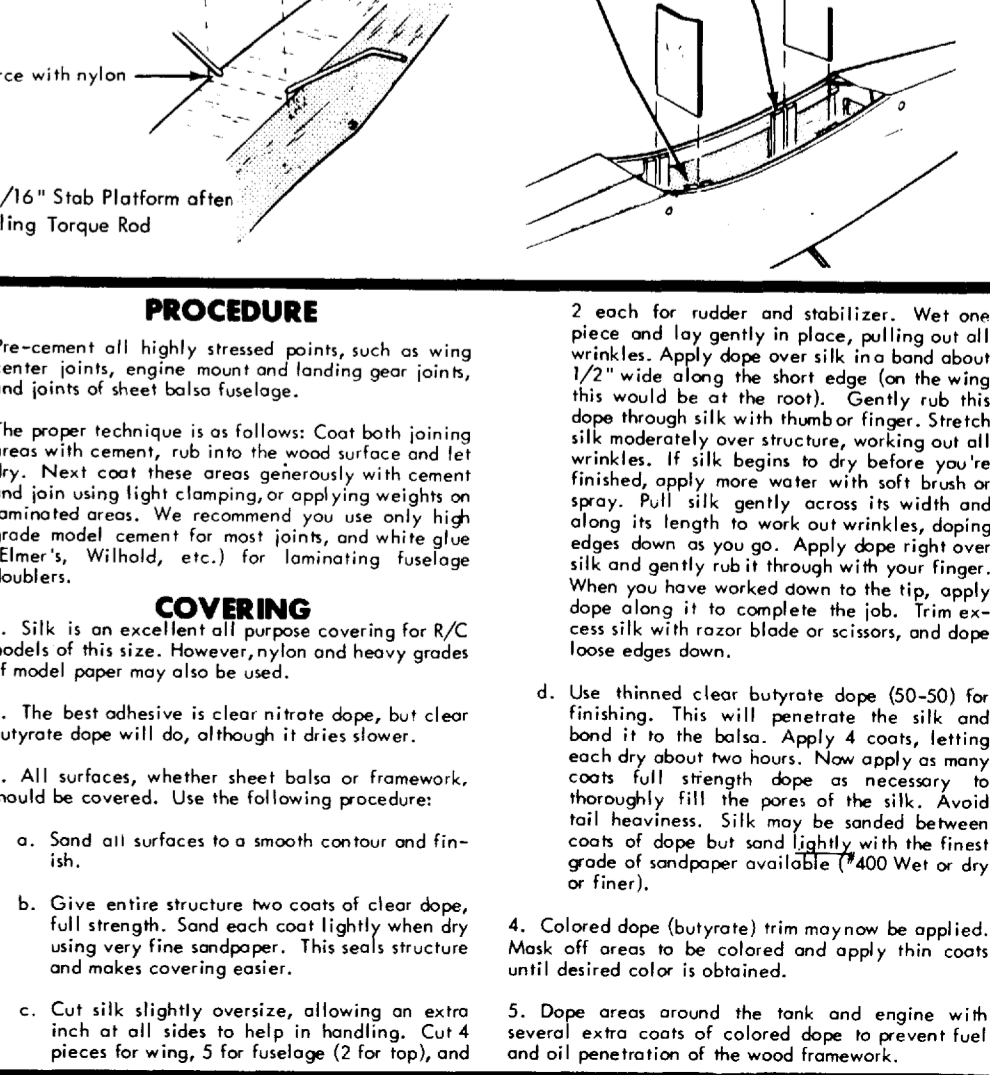
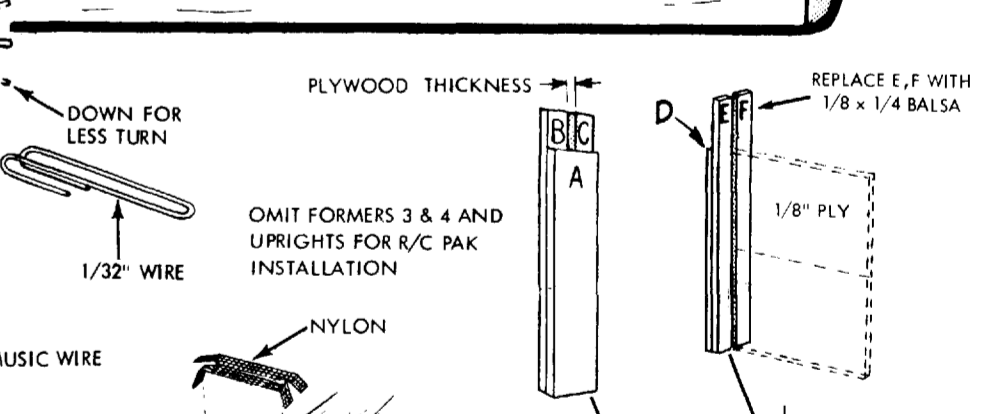
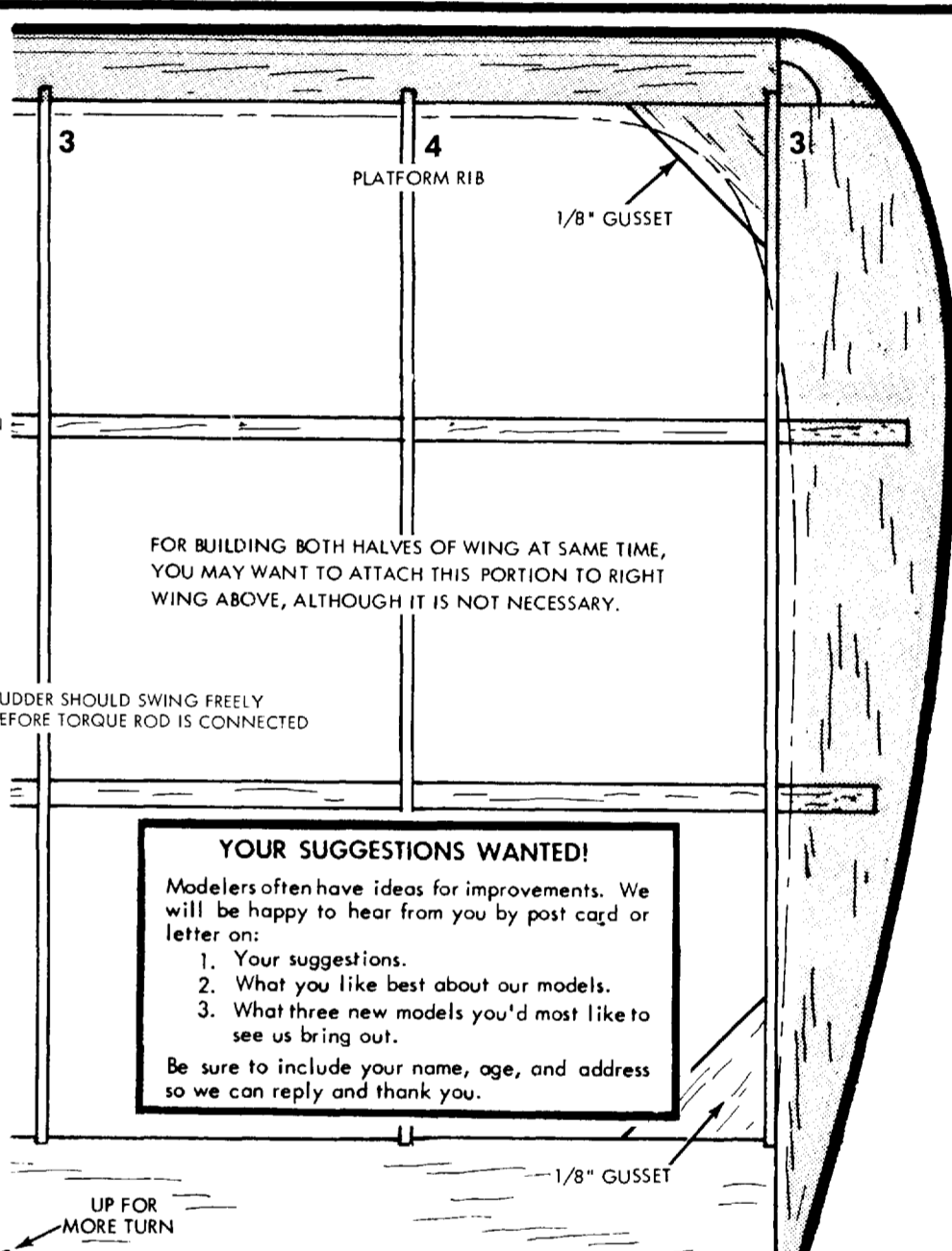
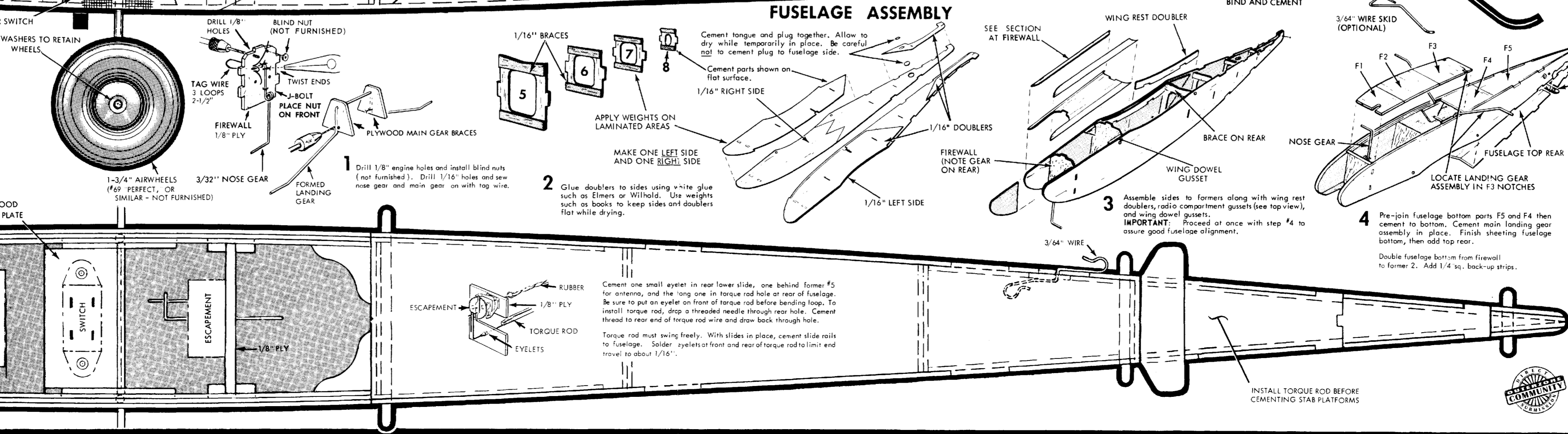
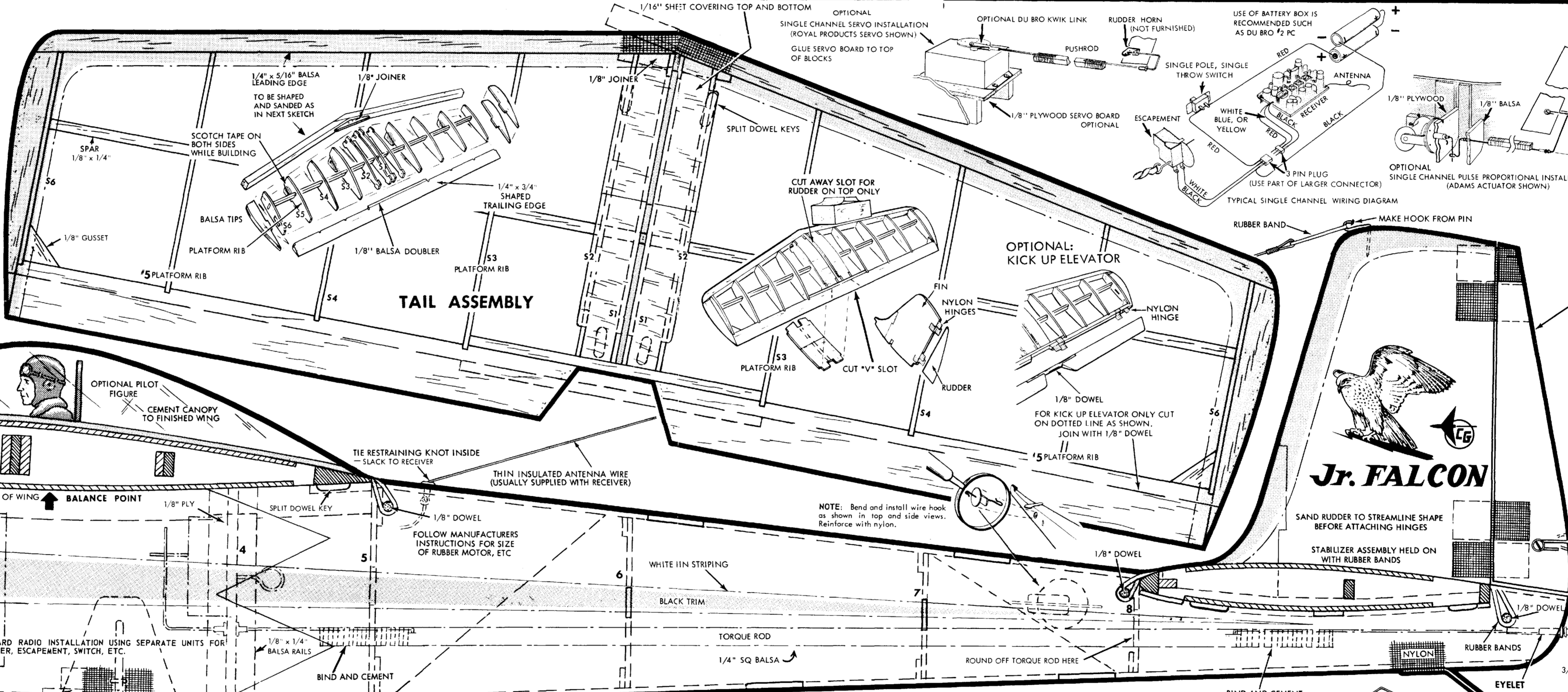
### OTHER R/C EQUIPMENT MAY BE USED

RECEIVERS (SUPERHET PREFERRED):  
F & W VANGUARD, PHOENIX, ETC.  
CONTROLEX SH-100, 4, 5, ROBOT  
MINI-SH-1, CAPEL  
KENTEL, K&W

ESCAPEMENTS, SERVO, ETC.:  
CITIZENSHIP SE-2  
BONNER SR  
ROYAL RUDDER SERVO  
ADAMS ACTUATOR  
BAND ACTUATOR  
CONTROLEX GHOST

If necessary, with receiver manufacturer regarding suitable transmitter.

1-1/2" AIRWHEEL (#64 PERFECT, OR SIMILAR - NOT FURNISHED)  
1-3/4" AIRWHEEL (#69 PERFECT, OR SIMILAR - NOT FURNISHED)  
3/32" NOSE GEAR  
1-1/16" PLYWOOD MOUNTING PLATE



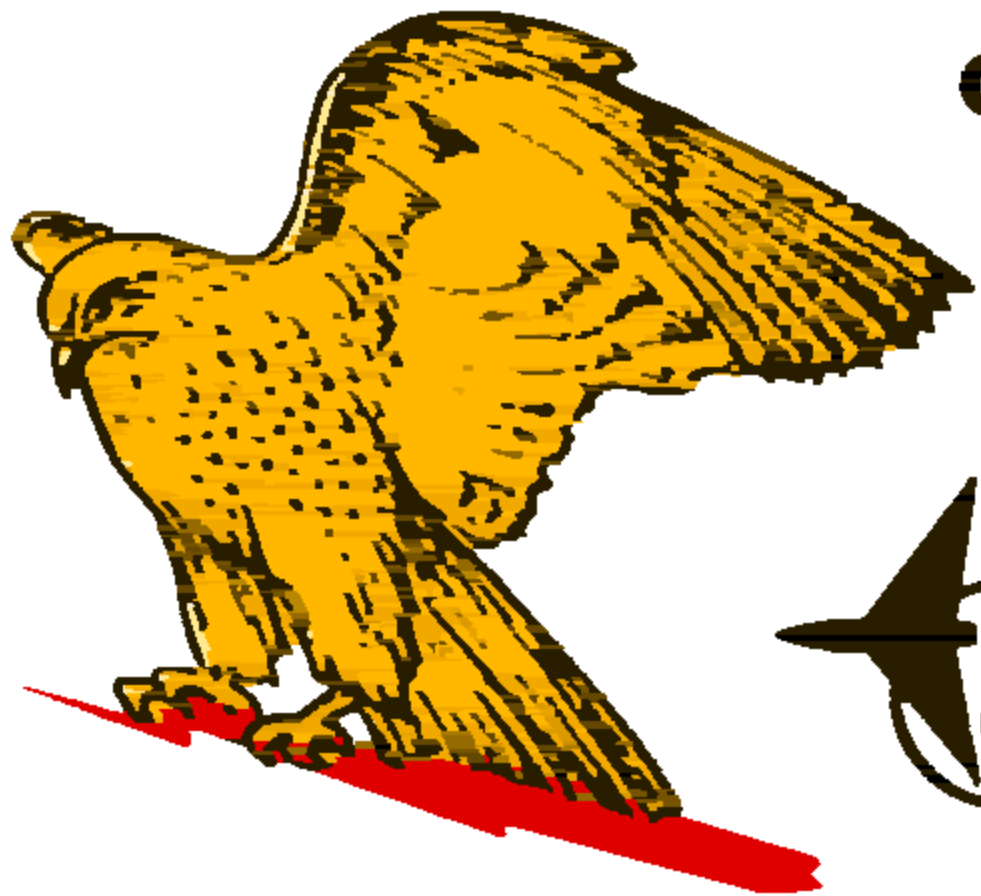
**PROCEDURE**

- Pre-cement all highly stressed parts, such as wing center joints, engine mount and landing gear joints, and joints of sheet balsa fuselage.
- The proper technique is as follows: Coat both joining areas with cement, rub into the wood surface and let dry. Next coat these areas generously with cement and join using light clamping, or applying weights on laminated areas. We recommend you use only high grade model cement for most joints, and white glue (Elmer's, Wilhold, etc.) for laminating fuselage doublers.
- Pre-join fuselage bottom parts F5 and F4 then cement to bottom. Cement main landing gear assembly in place. Finish sheathing fuselage bottom, then add top rear.
- Double fuselage bottom from firewall to former 2. Add 1/4 sq. back-up strips.
- Use thinned clear butyrate dope (50-50) for finishing. This will penetrate the silk and bond it to the balsa. Apply 4 coats, letting each dry about two hours. Now apply as many coats full strength dope as necessary to thoroughly fill the pores of the silk. Avoid full thickness, it may be sanded between coats of dope but sand lightly with the finest grade of sandpaper available (#400 Wet or dry or finer).
- Colored dope (butyrate) trim may now be applied. Mask off areas to be colored and apply thin coats until desired color is obtained.
- Dope areas around the tank and engine with several extra coats of colored dope to prevent fuel and oil penetration of the wood framework.

**COVERING**

- Silk is an excellent all purpose covering for R/C models of this size. However, nylon and heavy grades of model paper may also be used.
- Give entire structure two coats of clear dope, full strength. Sand each coat lightly when dry using very fine sandpaper. This seals structure and makes covering easier.
- Cut silk slightly oversize, allowing an extra inch at all sides to help in handling. Cut 4 pieces for wing, 3 for fuselage (2 for top) and 2 each for rudder and stabilizer. Wet one piece and lay gently in place, pulling out all wrinkles. Apply dope over silk in a band about 1/2" wide along the short edge (on the wing this would be at the root). Gently rub through silk moderately over structure, working out all wrinkles. If silk begins to dry before you're finished, apply more water with soft brush or spray. Pull silk gently across its width and along its length to work out wrinkles, dipping edges down as you go. Apply dope right over silk and gently rub through with your finger. When you have worked down to the tip, apply dope along it to complete the job. Trim excess silk with razor blade or scissors, and dope loose edges down.

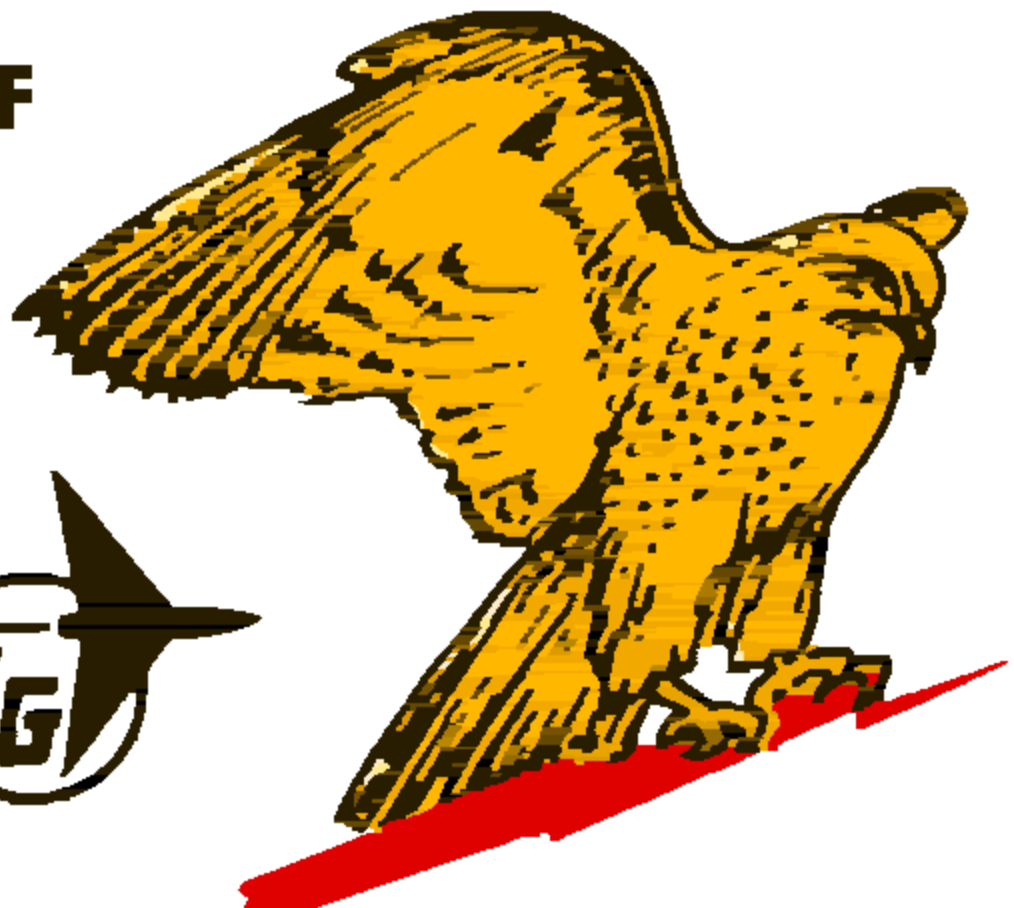
YOUR SUGGESTIONS WANTED!  
Modelers often have ideas for improvements. We will be happy to hear from you by post card or letter or  
1. Your suggestions.  
2. What you like best about our models.  
3. What three new models you'd most like to see us bring out.  
Be sure to include your name, age, and address so we can reply and thank you.



**ON**

**OFF**

G-18



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