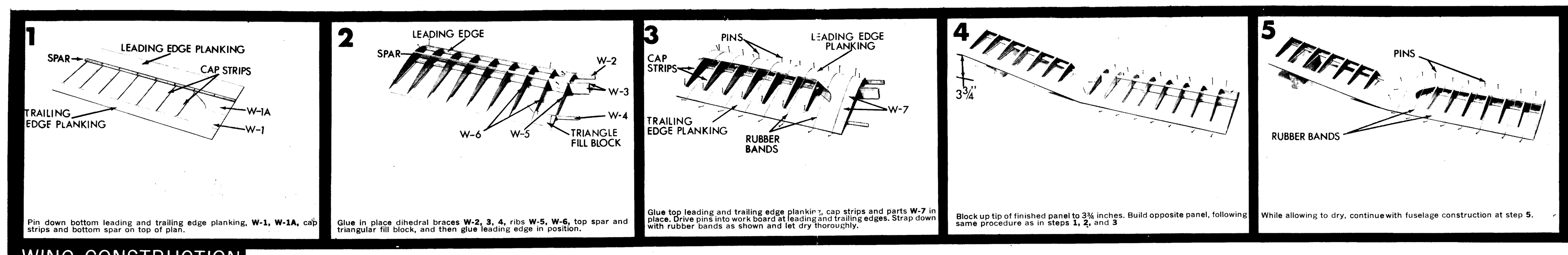


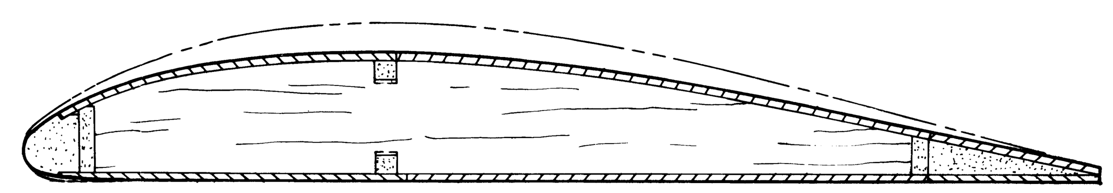
1. Pin down bottom leading and trailing edge planking, **W-1, W-1A**, cap strips and bottom spar on top of plan.

2. Glue in place dihedral braces **W-2, 3, 4,** ribs **W-5, W-6,** top spar and triangular fill block, and then glue leading edge in position.

3. Glue top leading and trailing edge planking, cap strips and parts **W-7** in place. Drive pins into work board at leading and trailing edges. Strap down with rubber bands as shown and let dry thoroughly.

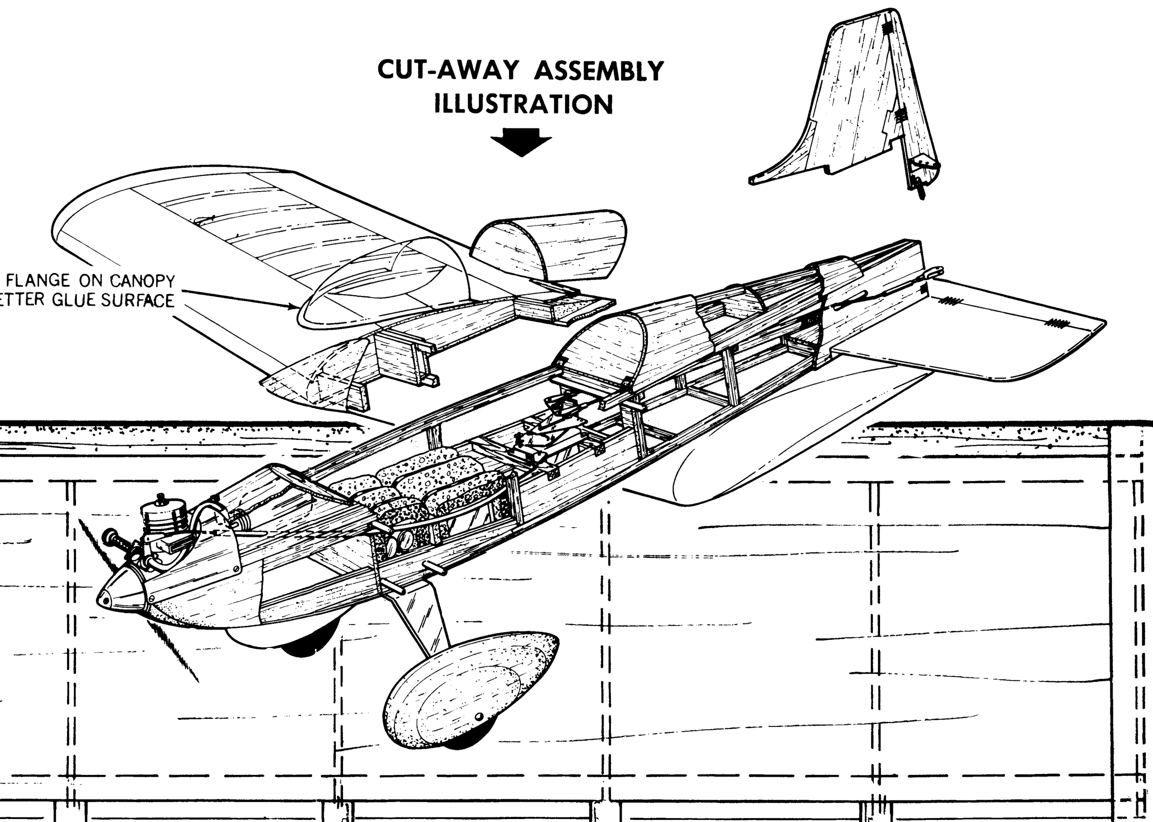
4. Block up tip of finished panel to 3¾ inches. Build opposite panel, following same procedure as in steps **1, 2,** and **3**

5. While allowing to dry, continue with fuselage construction at step **5**.

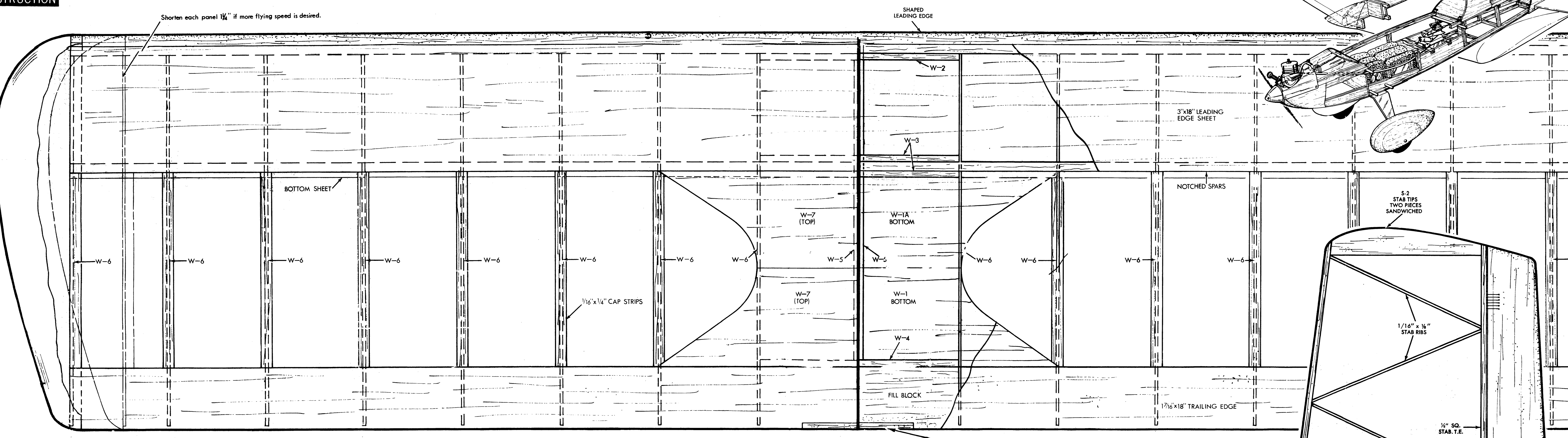


Typical airfoil section for pylon racing. Use this pattern to trim ribs W-5&W-6. Dihedral braces and turtle deck parts on wing must be modified to fit.

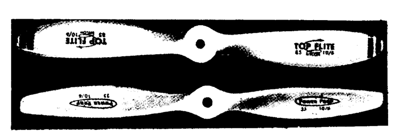
CUT-AWAY ASSEMBLY ILLUSTRATION



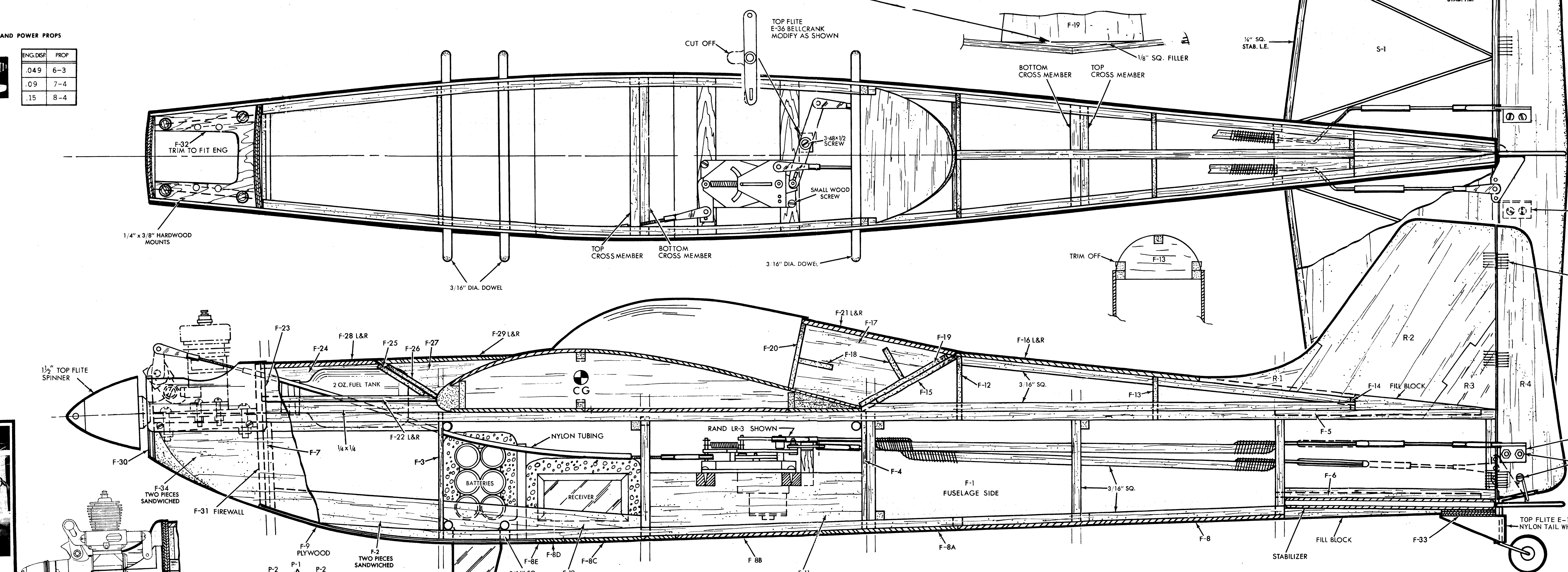
WING CONSTRUCTION



FOR BEST PERFORMANCE USE TOP FLITE AND POWER PROPS

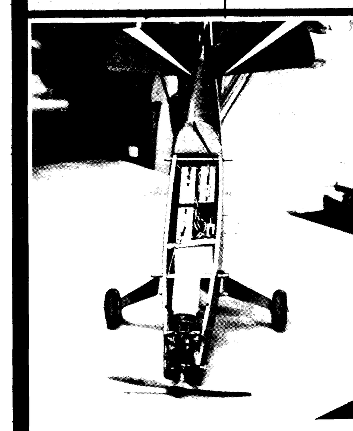


ENG. DISP.	PROP
.049	6-3
.09	7-4
.15	8-4

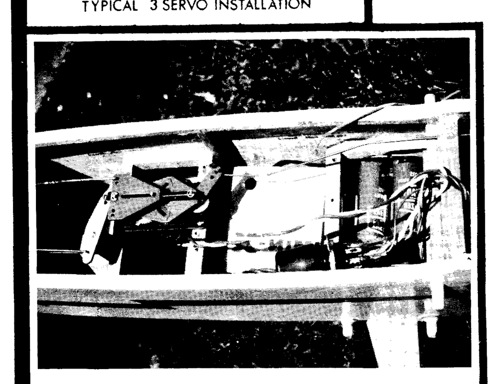


RECOMMENDED RADIO UNITS

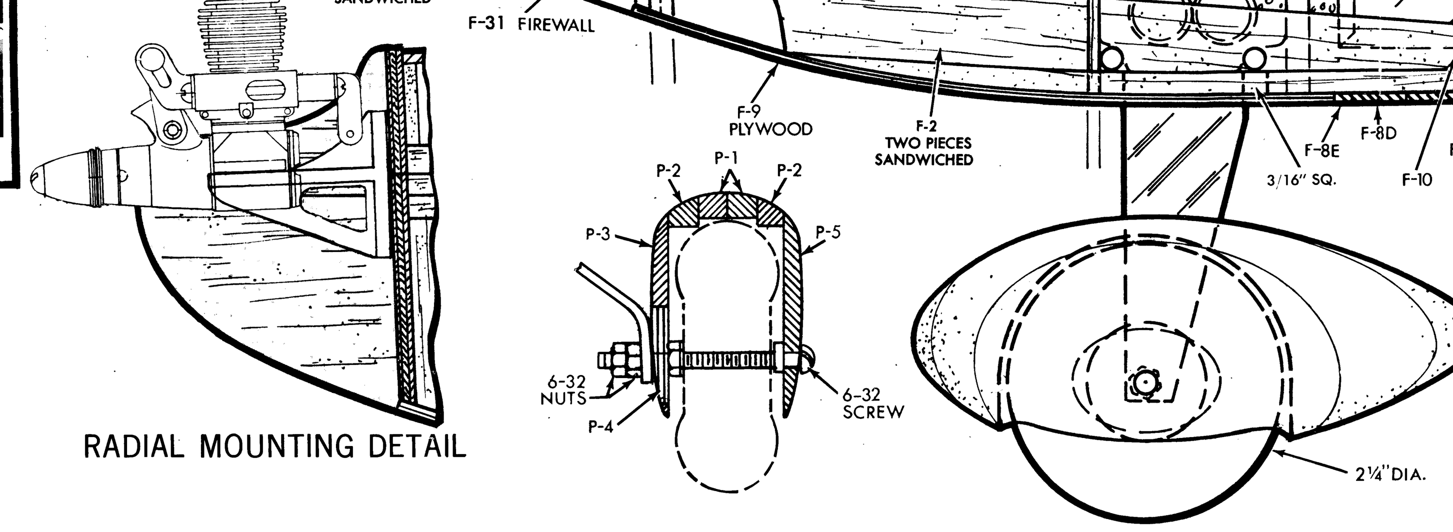
ENGINES .049—.09	ENGINES .09—.15
O/S Pixie Package	Min-X GG1200 or DP1200
Airtrol RE-1 or REM-1	PCS
Hallco 103	Citizenship Analog or DP-3
Citizenship DP-1	Logitrol 5
Orbit 2-4	Orbit 3 + 1
Sterling Command Master	Bonner Digimite 4



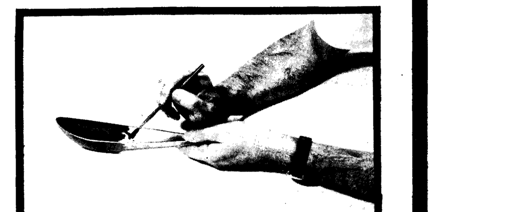
TYPICAL 3 SERVO INSTALLATION



TYPICAL GALLOPING GHOST INSTALLATION



RADIAL MOUNTING DETAIL



Wash thoroughly with detergent and water. Paint inside of plastic tip with TESTOR "TCL" LACQUER. Do not use dope or regular lacquer. Fasten tip to wing with a strip of MONOKOTE or cellaphane tape.

FINISHING

Sand the entire plane with 2/0 garnet or fine sandpaper on a block, and then with 4/0 garnet paper. Finish sand with 400 wet dry sandpaper. Apply one coat of clear dope, and cover wing with silkspan, shrinking it tight with water. Apply 5 or 6 coats of clear dope to the wing, sanding carefully with #400 wet garnet paper after each coat. Watch for warps while doping. Give the fuselage and tail surfaces two more coats of clear dope and two coats of balsa filler, sanding after each coat with #400 wet/dry garnet paper. Fuelproof the engine compartment by coating with fuelproof glue. Then give the model 3 or 4 coats of colored dope.

If you want a beautiful high gloss finish in the least amount of time, use Top Flite's MonoKote. Begin by sanding all surfaces extra fine. Do not use dope. Follow the MonoKote instructions.

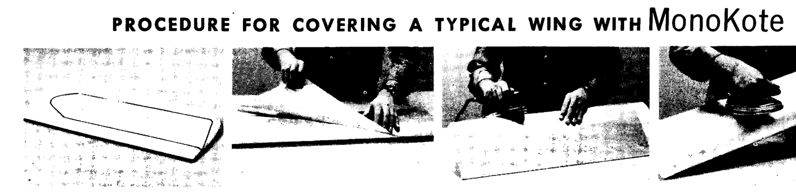
FLYING TIPS

Install your radio equipment according to the manufacturer's instructions. C-G location may be adjusted by position of the batteries.

Rudder only with an .049 is ideal for the inexperienced flier. Gross weight should be between 25 and 30 oz. For a gentle control response, locate the C-G ¼ in. ahead of the spar and keep the rudder travel less than 12° in either direction.

For multi-control systems total weight with an .09 or .10 should be 36 to 42 oz. Rudder travel should be 12° and elevator travel less than 15° in either direction. C-G is best located on the spar. A C-G behind the spar will produce a much faster control reaction and is recommended for experts only.

PROCEDURE FOR COVERING A TYPICAL WING WITH MonoKote



Cover only open areas with silk span — Just lay on MonoKote — Seal edges with an electric iron — Shrink skin tight with heat

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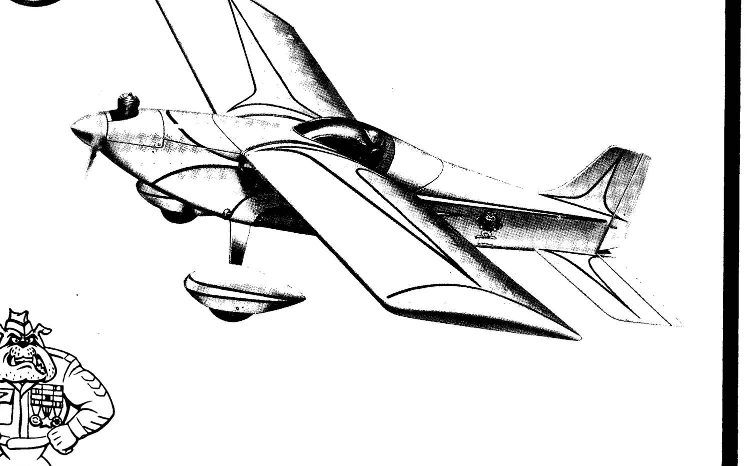
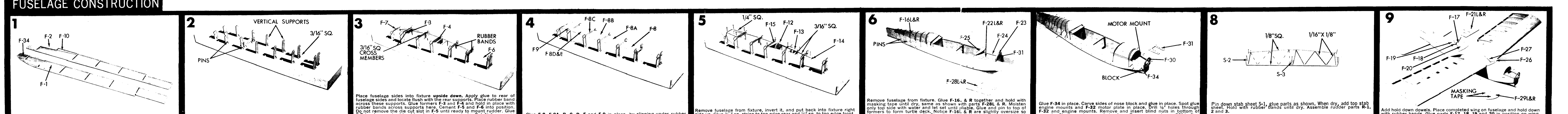


This is T.A.C.*
*TRUE ALIGNMENT CONSTRUCTION PAT. PEND.

FUSELAGE CONSTRUCTION



1. Pin down fuselage sides **F-1** over plan. Pin (don't glue) part **F-34** (nose doubler) temporarily in place to serve as locating guide for following parts. Glue in place 3/16" sq. top and bottom strips, vertical braces, parts **F-2** and **F-10**.

2. Push out and bend up the die cut vertical supports from the bottom of the kit box. They can be held vertically rigid by inserting pins and cementing 3/16" sq. balsa at the base of the supports.

3. Place fuselage sides into fixture **upside down.** Apply glue to rear of fuselage sides and locate flush with the rear supports. Place rubber band across these supports. Glue formers **F-3** and **F-4** and hold in place with rubber bands across supports here. Cement **F-5** and **F-6** into position. Do not remove the die cut slot in **F-5** until ready to mount rudder. Glue **F-7** in place and add rubber band across supports. Cut 3/16" sq. cross members to size, using top view of plan as guide. Check plan side view to be sure of proper positions of cross members, then glue in place. Attach rubber bands to all remaining supports.

4. Glue **F-8, F-8A, B, C, D, E** and **F-9** in place, by slipping under rubber bands. Hold with pins where necessary. Leave fuselage in fixture until glue is thoroughly dry. Meanwhile, start constructing the wing.

5. Remove fuselage from fixture, invert it, and put back into fixture right side up. Glue 3/16" sq. strips to top edge rear and 1/4" sq. to top edge front. Glue in place **F-11** and formers **F-12, 13, 14, 15** and 3/16" sq. top stringer. Let dry.

6. Remove fuselage from fixture. Glue **F-16. & R** together and hold with masking tape until dry, same as shown with parts **F-28L & R.** Moisten only top side with water and let set until pliable. Glue and pin to top of formers to form turtle deck. Notice **F-16L & R** are slightly oversize so they can be trimmed to fit. Glue firewall **F-31** in place. Glue **F-22L & R** together and temporarily tack glue to the top of the 1/4" sq. pieces. Glue in position **F-23, 24** and **25.** Moisten **F-28L & R,** and when pliable glue in place.

7. Glue **F-34** in place. Carve sides of nose block and glue in place. Spot glue engine mounts and **F-32** motor plate in place. Drill 1/8" holes through **F-32** and engine mounts. Remove and insert blind nuts in bottom of mounts. Glue mounts securely in place. **Be sure** mounts are 90° to firewall in order to get proper down-thrust. **Add F-30.**

8. Pin down stab sheet **S-1**, glue parts as shown. When dry, add top stab sheet. Hold with rubber bands until dry. Assemble rudder parts **R-1, 2** and **3.**

9. Add hold down dowels. Place completed wing on fuselage and hold down with rubber bands. Glue parts **F-17, 18, 19** and **20** in position on wing. Avoid getting glue on **F-15.** Add **F-21L & R,** joined and moistened as before. Assemble **F-26, 27, 29L & R** in same manner. Shape nose block. Cover and finish wing before adding wing tips.

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TOP FLITE

TOP DAWG T.M.

SINGLE OR MULTI-CHANNEL
IDEAL FOR MINIATURE PYLON RACING

Span: 39.5"	Length: 32"	Engines: .049—.15

DESIGNED BY: KEN WILLARD | PRODUCT ENG: SID AXELROD

KIT No. RC-10

KIT No. RC-10