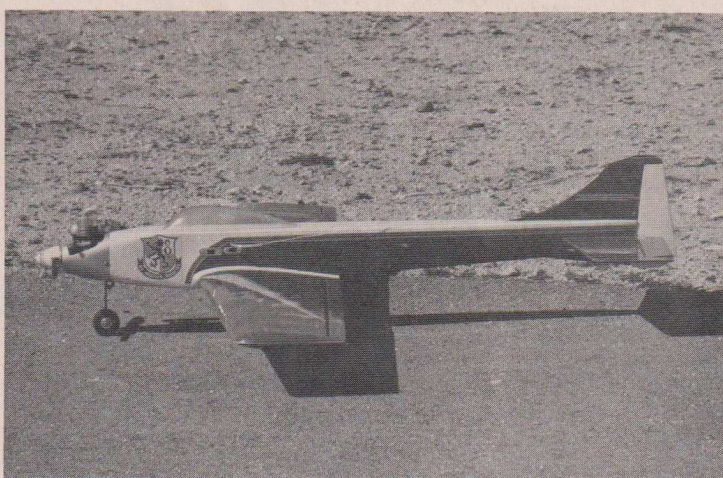
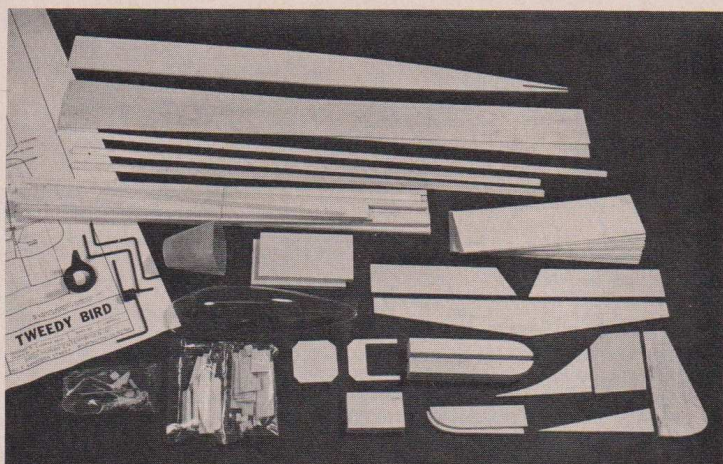


RCM PRODUCT TEST

**BRIDI HOBBY ENT.
TWEEDY BIRD**



● The Tweedy Bird is a sport and pattern aircraft manufactured by Bridi Hobby Enterprises, 1611 E. Sandison St., Wilmington, California 90744. Designed by well-known pattern flyer, Joe Bridi, this low wing pattern and general sport aircraft has a wing span of 48¾" and a total wing area of 400 square inches and is designed for .15 to .30 cubic inch displacement engines. Four channels of control are required for rudder, elevator, throttle, and ailerons.

The basic materials used in the construction are conventional balsa and hardwood. The hardware in the kit include the main landing gear, steerable nose gear with associated hardware, main gear hold-down straps and screws, motor mounts and mount screws, nuts, control horns, canopy, pre-formed epoxy cowling and aileron torque rods. There is one plan sheet measuring 50" x 30" with building instructions included on the plan sheet in addition to a 15 page instruction manual. Parts are machine cut.

The weight of our prototype ready to fly was 56 ounces for a wing loading of 19 ounces per square foot. RCM's prototype was covered with Super MonoKote and Bridi Stripping Tape. An OS Max .35 engine with Max muffler was used while the radio was a Kraft Gold Medal Series with KPS 12 servos. While this was a well-designed model with clear and precise instructions, we found the following changes necessary in our particular kit. On page 3 of the instructions, while the plans and instructions call for the sheeting to come over the spar, the ribs were cut so that the sheeting (top front and bottom wing) fit flush to the front edge of the main spar. Either the ribs should be die-cut or the plans and instructions modified. Since that time Bridi Enterprises has machine cut all the ribs and cap strips have been added to the kit. On page 4, the instructions should refer to the

IMPRESSIONS	E	G	A	F	P	IMPRESSIONS	E	G	A	F	P
Packaging	●					Pre-Shaped Parts		●			
Plans	●					Parts Match to Plans	●				
Written Instructions	●					Overall Parts Fit	●				
Quality of Hardwood	●					Ease of Assembly	●				
Quality of Fiberglass			NA			Fidelity to Scale			NA		
Other Materials	●					Flight Performance	●				
Accessories	●					Overall Appeal	●				
Die-Cutting		●									

E=Excellent / G=Good / A=Average / F=Fair / P=Poor

SPECIFICATIONS

Name	Tweedy Bird
Aircraft Type	Sport-Pattern
Manufactured By	Bridi Hobby Enterprises 1611 E. Sandison Street Wilmington, California 90744
Mfg. Suggested Retail Price	\$43.95
Available From	Both Mfg. and Retail Outlets
Mfg. Recommended Usage	Low Wing Pattern, General Sport
Wing Span	48¾ Inches
Wing Chord	9½ Inches
Total Wing Area	400 Square Inches
Fuselage Length	42 Inches
Radio Compartment Dimensions	(L) 8" x (W) 2½" x (H) 2"
Wing Location	Low Wing
Airfoil	Symmetrical
Wing Planform	Swept L.E.
Dihedral	1/4 Inch
Stabilizer Span	20¾ Inches
Stabilizer Chord (incl. elev.)	6¾ Inches
Total Stab Area	132 Square Inches
Stab Airfoil Section	Flat
Stabilizer Location	Mid-Fuselage
Vertical Fin Height	7¼ Inches
Vertical Fin Width (incl. rud.)	11 Inches
Mfg. Rec. Engine Range	.15-.30
Recommended Fuel Tank Size	4-6 Oz.
Landing Gear	Tricycle
Recommended No. Of Channels	4
Recommended Control Functions	Rud., Elev. Throt., Ail.
Basic Materials Used In Construction:	
Fuselage	Balsa
Wing	Balsa
Tail Surfaces	Balsa
Hardware Included In Kit	Very Complete
Plan Size	50" x 30" (1 sheet)
Building Instructions on Plan Sheets	Yes
Instruction Manual	Yes (15 pages)
Construction Photos	No
Kit Includes	Shaped & Die-Cut Parts
Mfg. Rec. Flying Weight	3½ Pounds
Wing loading based on rec. flying wt.	Not Given

RCM PROTOTYPE

Weight, Ready To Fly	56 Ounces
Wing Loading	19 oz./sq. ft.
Covering & finishing materials used	MonoKote, Trim Kote, Bridi Tape
Engine Make & Disp.	O.S. Max .35
Muffler Used	O.S. Max
Radio Used	Kraft Gold Medal
Tank Size Used	6 Ounce

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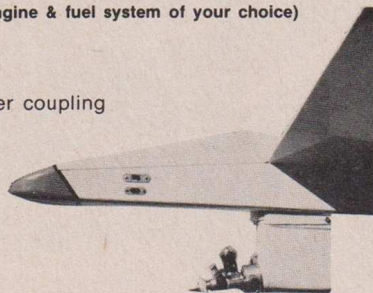
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- ALL WOOD SUPPLIED IN KIT PRESAPED
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TWEEDY BIRD

..... bottom leading edge sheeting rather than to the top leading edge sheeting. On page 5, if number 5 instruction were followed, it would not be possible to glue in the dowel plate. The instructions should be modified indicating that the dowel plate should be glued in before sheeting is completed. On page 7, the doubler has to be glued to the front edge of bulkhead number 1 or the triangular stock has to be cut out so that the sides fit flush to bulkhead

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.29 - .40 Stand Off Scale R/C

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TWEEDY BIRD

number 1. On page 9 we would recommend that the NyRod tube be anchored to the fuselage side before the bottom sheeting is completed. On page 12 the "U" cut-out on the cowling is not on the plans as indicated in the instructions.

Overall this is an outstanding kit with excellent instruction manual and plans with only the minor corrections previously mentioned. In the performance category the Tweedy Bird must be ranked as outstanding — another excellent aircraft from Bridi Enterprises. It is extremely pleasant to handle and flew hands off on the first flight. It has an excellent roll rate, a fine glide pattern with no snap or tip stall tendencies noted. It performs all maneuvers with ease. We would have to rate this kit as excellent. □

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