

TOP FUSELAGE SHEET  
MAKE BY USING 2 SHEETS  
OF 1/8" x 37" x 36" AND ONE  
1/8" x 1" x 36". GLUE INTO  
ONE SHEET.

GLUE INTO ONE SHEET  
FOR FUSELAGE BOTTOM

**BUILDING MATERIALS FOR THE GOLDBERG  
RETRACT INSTALLATION ARE NOT SUPPLIED  
IN THE KIT. (SERVO ACCESS HATCH, RE-  
TRACT MOUNTING ETC.) THE DETAIL DRAW-  
INGS ARE SHOWN AS INSTALLED IN PROTO-  
TYPE MODEL TO AID THE BUILDER IF A RE-  
TRACT MODEL IS BEING BUILT.**

**DANGER!**  
**Important: Read These Warnings:**  
Do not fly control line or towline models within 300 feet of electric power  
lines. Instant death from electrocution can result from coming near them.  
Direct contact is not necessary.  
A model airplane motor gets very hot and can cause serious burns. Do  
not touch the motor during or after operation. Keep clear of the propel-  
ler. It can cut a finger or put out an eye. Make sure the propeller is  
securely fastened in place and is not cracked. Model airplane fuel is flamm-  
able and poisonous. Take the same precautions while transporting and  
using it that you would with a can of gasoline or a bottle of poison.  
Remember that it is possible to lose control of a model airplane. Do not fly  
in locations where the model may hit people or damage property if loss of  
control occurs. Check your model and equipment regularly to insure it  
is in safe operating condition.

**ABOUT BALSA WOOD:**  
We do our best to put as good a grade of balsa in our  
kits as the hobby market permits. The workman-  
ship in selected for balsa has made it impossible  
to obtain as high an average quality as used to be the  
case.  
Every piece of balsa accepted cannot be 100% perfect  
or 100% grade would have to be greatly increased. Min-  
imum defects are small knots or streaks of strength.  
Even with the very best grade of balsa, there is a  
natural tendency for some streaks or streaks to occur.  
These streaks tend to cut off from a perfectly square  
sheet and bow back under tension. In most cases  
this is not a problem. However, in some cases  
it is. True up the edges of bowed sheets by trimming  
along a metal straightedge.

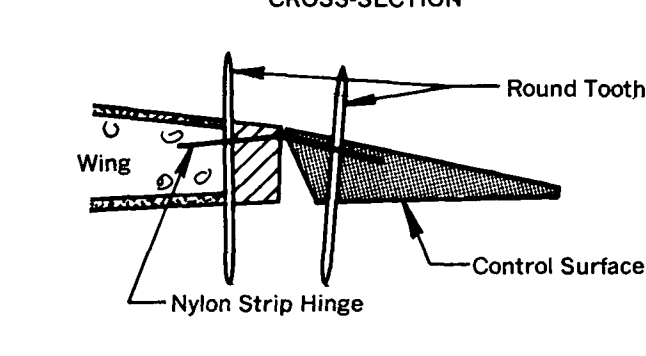
**NOTE: THE PLAN PAPER CAN SHRINK OR  
EXPAND WITH HUMIDITY AND TEMPERA-  
TURE CHANGES, SOMETIMES AS MUCH  
AS 1/4". THE ORIGINAL DRAWINGS WERE  
DRAWN ON STABLE MYLAR FILM AND ALL  
THE PART PATTERNS WERE CHECKED  
AGAINST THEM. THEREFORE THE PARTS  
SHOULD ALL FIT TO EACH OTHER WITH-  
OUT MUCH MISMATCH. ANY SMALL VARI-  
ATION OF THE PLAN DRAWING FROM THE  
PART THAT MAY BE NOTICED WILL NOT  
CAUSE SERIOUS DIFFICULTY DURING AS-  
SEMBLY BECAUSE THE VARIATION WILL  
BE SMALL IN ANY ONE AREA OF THE PLAN.**

**RIB AND FORMER PATTERNS ARE SHOWN  
ON THE PLAN AND IN THE BOOK FOR THE  
CONVENIENCE OF THE KIT BUILDER IF  
REPAIRS SHOULD BE NECESSARY.**

AIRFOILS ARE SHOWN IN HALF TONES.

**CAUTION**  
TAIL WILL REQUIRE SEVERAL QUIN-  
TERBLANCE BE SURE AND CARVE  
THE TAIL DOWN TO THE INDICATED AIRFOIL SHAPES SO THERE  
WILL NOT BE EXCESS WOOD WEIGHT. GO EASY ON THE FILLER  
COAT AND PAINT ON THE TAIL, SINCE THIS CAN ADD EXTRA  
WEIGHT.

**ALTERNATE CONTROL SURFACE HINGES**  
SECOND METHOD FOR HINGES: Use .010 Strip Nylon  
(SH-37) and round toothpicks for a strong method of hinge  
installation. Toothpicks are inserted into 4 drilled holes.  
(Put a drop of Sig-Bond Clear into each hole). Use a razor  
saw to cut the toothpick off flush with the surface and sand  
smooth. Later, while painting, get the control surface in one  
direction or the other to expose the hinge line areas to the  
paint spray.



**NOTE: The nylon hinge material and round  
toothpicks are not furnished in the kit.**

- \* WEBRA 61
- \* GOLDBERG SPINNER 2"

- \* TATONE EM-SS GOLDBERG RETRACT INSTALLATION SHOWN

IN SEVERAL PLACES TWO TYPES OF GEAR  
INSTALLATION ARE SHOWN AT THE SAME  
TIME TO SAVE SPACE. CALLED TO YOUR  
ATTENTION ARE THE SIG NOSE GEAR  
BLOCK, MAIN LANDING GEAR BLOCKS,  
GOLDBERG RETRACT UNITS.

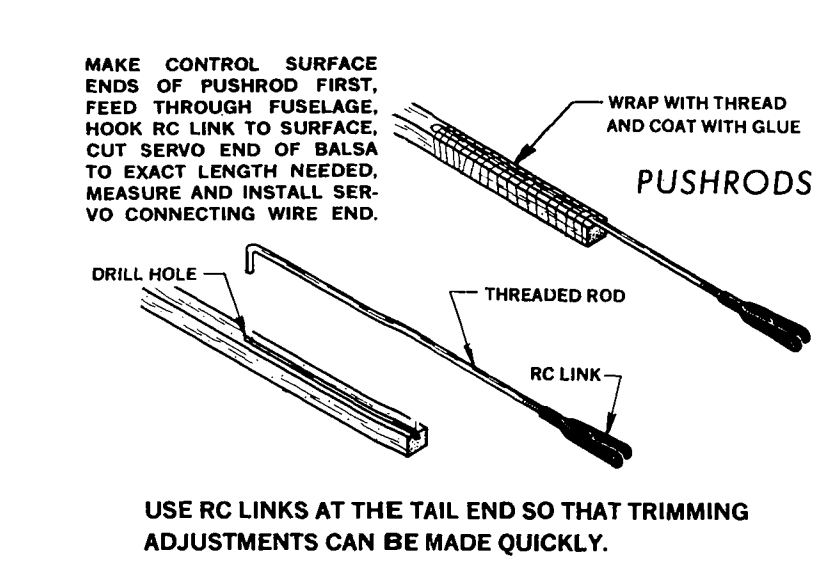
CUT OUT FOR RETRACTS

CLEARANCE HOLE FOR  
STEERING PUSHROD

5/32" WIRE NOSE GEAR CAN BE  
ADJUSTED FOR DESIRED HEIGHT.  
SAME NOSE WIRE IS USED IN THE  
GOLDBERG UNIT, SHORTENED AS  
REQUIRED.

**Bonanza**  
KIT RC-41

**BONDING ABS**  
Remove all shine with 220 Grit sandpaper on the in-  
side of the cabin to prepare the surface for glue. The  
matting surface for an 1/8" to 3/16" around the edge  
of the clear windows should also be prepared by sand-  
ing with 220. This light scuffing of both ABS and  
clear will aid in bonding these materials. The 1/8"  
to 3/16" fuselage to cabin should also be sanded to aid  
bonding to balsa fuselage. Heat Seal is recommended  
for bonding ABS to butyrate clear. Hot Stuff, M.E.K.,  
and SIG Model Cement for bonding to balsa.



USE RC LINKS AT THE TAIL END SO THAT TRIMMING  
ADJUSTMENTS CAN BE MADE QUICKLY.

**OIL PROOF YOUR MODEL!**  
One of the most destructive things that can hap-  
pen to a model is allowing creosote oil to soak into  
bare, untreated balsa or plywood. It will cause  
glue joints to loosen and results in a steady in-  
crease in weight. An oil soaked model cannot  
be properly repaired or repainted after a crack-  
up, since glue and finish will not hold. Cover all  
wood parts of the model and put on enough coats  
of finish so that oil cannot soak in. Don't leave  
any exposed wood on the outside. Around the  
nose and engine compartment, apply extra effort  
at oil proofing. Coating the firewall and front  
panels with epoxy glue is best, but several extra  
coats of dope or paint will also do the job. Take  
special care during building to use plenty of  
glue to attach the firewall and coat the  
back of the firewall and the firewall braces with  
the glue. Fill any cracks with epoxy.

IN ANY CONFLICT BETWEEN THE PLAN AND  
THE BOOKLET, FOLLOW THE BOOKLET IN-  
STRUCTIONS. THEY ARE REVISED MORE  
FREQUENTLY THAN THE PLAN.

**SIG**  
CRAFTSMAN'S KIT

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**NOTE: RADIO, SERVOS, RETRACTS, EN-  
GINE, MANIFOLD, SPINNER, ETC., ARE  
SHOWN AS SET UP IN THE PROTO TYPE.  
LOCATIONS FOR OTHER TYPES OF EQUIP-  
MENT CAN BE DETERMINED BY BUILDER.  
THE FULL SIZE BULKHEAD DRAWINGS  
ARE PROVIDED FOR THIS PURPOSE.**

BEECHCRAFT

**Bonanza**  
E33A  
Designed By HANK POHLMANN

RC SPORT SCALE  
WING SPAN: 64"  
WING AREA: APPROX. 653 Sq. In.  
WEIGHT: APPROX. 7-1/2 Lbs.

RC SPORT FLYING  
ENGINE SIZE: 60 Cu. In.  
LENGTH: 44"  
WEIGHT: APPROX. 8-1/2 Lbs. WITH RETRACTS

Drawn By HANK POHLMANN And DARRYL THOEM  
Sig Manufacturing Co., Inc. . . . Montezuma, Iowa 50171 U.S.A.

Restore and Clean Plan by H.E.

