

LEFT WING  
REQUIRES 1/16"  
WASH-OUT

3/32" SQ HARD Balsa LEADING EDGES

RIGHT WING  
REQUIRES 1/8"  
WASH-OUT



SECTION THROUGH TIP

1/16" SHEET TIPS

R4

R3

R2

R1

R2

R3

R4

TOP AND BOTTOM  
SPARS  
1/16" SQ Balsa

1/16" SHEET  
WEBBING BETWEEN  
SPARS FROM R1  
TO R2

FILLET LINE

RED STARS  
TOP AND BOTTOM

BALANCE POINT

ALL-UP WEIGHT OF  
PROTOTYPE MODEL WAS  
13.1 GRM. POWER: 1 LOOP  
OF 3/32" FLAT RUBBER 13" LONG.  
BEST FLIGHT INDOORS 41 SEC.

1/16" X 1/8" TRAILING EDGES

DIHEDRAL  
3/4" UNER EACH TIP

'TERN' PROP CUT DOWN TO 5"  
(SEE BELOW)

FILL WITH 1/16" SHT Balsa

VAC-FORM OR  
FOLD WINDSCREEN  
FROM THIN ACETATE

1/32" SHEET SIDE KEELS

SCRAP HEADREST

GLUE TOP EDGE OF FILLETS TO SIDE KEELS

GLUE TO FB

FORWARD

AFT

BOND PAPER WING FILLETS  
(NOTE GRAIN)

CUT OUT  
ENGINE LOUVRES  
ONLY ON F1

F1, F2 (X2) 1/8" SHT

ALL STRINGERS LIGHT 1/20" X 1/16"

F3

F4

F5

F6

F7

F8

F9

F4-F9 1/32" SHEET  
Balsa

DETAIL  
OF  
NOSE PLUG

2 LAMINATIONS  
OF 1/8" Balsa

BEND'S HOOK

1/16" SQ CROSS-  
BRACES TO FORM  
FRONT OF  
COCKPIT

WING FILLET  
OUTLINES- SCRAP Balsa

CUT THIS PORTION  
OF UPPER KEEL  
AWAY AFTER ASSEMBLY

1/32" SHT KEEL

1/16" SQ Balsa

1/16" SHT.

IMPORTANT  
BUILD TAIL SURFACES  
FROM LIGHT Balsa

1/32" SHEET  
SUB-KEELS

SCALLOP ALL FORMERS  
WITH SANDPAPER AFTER  
CONSTRUCTION

WINDSCREEN  
FRAME  
1/32" Balsa

1/16" DOWN-  
THRUST

F1

F2

F3

F4

F5

F6

SIDE KEEL

F7

F8

F9

LAMINATE TAIL  
CURVES FROM  
2 PIECES OF 1/16" X 1/32"

LAMINATE SPINNER  
FROM 1/8" HARD  
Balsa DISCS

TRUE PROP  
BLADE PROFILE  
(FROM SPINNER)

1/32" SHT KEEL

1/32" SHT SUB-KEEL

FILLET  
LINE

1/16" SHT.  
MOTOR SUPPORT

1/32" KEEL

TAILWHEEL  
LAMINATED FROM  
3 PIECES 1/32" SHT.

MAKE RIBS FROM LIGHT 1/20" OR 1/16" SHT.

R4

R3

R1

R2



# Polikarpov I-16

PEANUT SCALE

—BY RICHARD CROSSLEY—