ADD 1/2" X 1-1/2" LE AFTER SHEETING BOTH SURFACES

RIBS A & B, 1/8" LITE PLY (4)

1/2" SQ H/W BEARERS

3/4" TRIANGULAR STOCK REINFORCEMENT, TYP

RIB C, 1/8" LITE PLY (2)

RIB D, 1/8" LITE PLY (2)

RIB E, 1/4" PLY (2)

1/2" SQ H/WOOD LG BEARERS SCREW & GLUE TO RIB

RIB F, 1/4" PLY (2)

3/32" X 1/2" X 5" OVER TOP SPAR FROM F TO D

1/8" PLY LE

3/8" WING DOWELS

INSTALL AFTER MATING WING TO FUSELAGE.

BUT BEFORE SHEETING THE BOTTOM OF THE WING.

1/8" SHEER WEB, VERTICAL GRAIN

3/32" X 1/2" X 5" OVER TOP SPAR FROM F TO D

TOP VIEW OF LG MOUNT IS SHOWN HERE

1/2" X 3/8" H/W SPAR

BOTTOM VIEW OF LG MOUNT IS SHOWN HERE

ATTACH PLATE W/ WOOD SCREWS

3/16" PLY

3/32" X 1" X 5" OVER TOP SPAR FROM F TO D

1/4" X 1" HARDWOOD SPAR

1/8" SHEER WEB, VERTICAL GRAIN

SECURE TUBE W/ 8-32 X 1" BOLTS UNDER WING

3/32" X 1" X 5" OVER TOP SPAR FROM F TO D

PHENOLIC SOCKET

1-1/2" DIA ALUMINUM TUBE

TILT RIB E OUTBOARD*- USE THIS TEMPLATE.

1/4" SHT SERVO MOUNT

100 OZ-IN FLAP SERVO

CONNECT FLAP SERVO WIRING HARNESS TO CABLES TO ELIMINATE RECEIVER CHANNELS

1/8" SHEER WEB, VERTICAL GRAIN

1/4" SQ SPAR

FLAP

3/32" X 1/4" X 5" OVER TOP SPAR FROM F TO D

1/8" LITE PLY WING BOLT PLATE, UNDERSIDE OF UPPER SURFACE

DU-BRO OR KLETT FLAP HINGE, TYP

3/32" X 1/4" X 5" OVER TOP SPAR FROM F TO D

F E D C B A A B C D E F

LOWER FILLET, 3/32" SHT (2) INSTALL W/ WING IN PLACE

UPPER MIDDLE FILLET, 1/16" SHT (2)

TAPER INSIDE EDGE BEFORE ASSEMBLY

TAPER INSIDE EDGE BEFORE ASSEMBLY

UPPER FILLET, 1/16" SHT (2)

TAPER INSIDE EDGE BEFORE ASSEMBLY

COVER THE TOP SURFACE WITH 1/32" SHEET, OVERLAPPING FROM D TO A.

THEN CUT AWAY THE INBOARD PORTION OF THE UPPER LAYER, USING THE FUSELAGE'S FILLET AS A GUIDE. THIS BECOMES THE WING FILLET INTO THE WING.

3-5/8"

3/16" PLY (2)

LG MOUNTING PLATE

TIP: ATTACH BEARERS TO MOUNTING PLATE BEFORE ATTACHING BEARERS TO RIBS F AND E.

2"

LOWER WING FILLET

LOWER WING FILLET

OBSERVER'S CAMERA WINDOW

RETRACTABLE STEP

LOWER SIGNAL LIGHT

1/8" PLY LEADING EDGE

COWL SKIN, 1/32" PLY SHOWN SLIGHTLY OVERSIZE TRIM AFTER ASSEMBLY

"WASHOUT STICKS"

PLACE UNDER REAR SPAR DURING ASSEMBLY

UPPER ASSEMBLY JIG, 1/8" SHT.

LOWER ASSEMBLY JIG, 1/8" SHT.

PLACE UNDER REAR SPAR DURING ASSEMBLY

5/16" DIA 14 HERE

3/4" RIB 1 HERE

RIB 1 HERE

1-5/32"

RIB 14 HERE

5/8"

2 3 4 5 6 7 8 9 10 11 12 13 14 15

1/4" DOWEL ALIGNMENT PIN

1/4" SQ

LANDING LIGHT, LEFT WING ONLY, BOTTOM VIEW SHOWN.

1/2" X 1-1/2" LE

1/8" SHEAR WEBS VERTICAL GRAIN

1/4" X 3/4" SPARS

1/8" PLY SERVO MOUNT

ASSEMBLE RIGHT WING PANEL OVER THIS VIEW

1/4" X 1/8" SPARS

COVER WING W/ 3/32" SHT

1" SHT TIP (2)

PHENOLIC SOCKET 1-19/32" OD

EPOXY TUBE TO SOCKET AFTER ASSEMBLY

1/4" DOWEL ALIGNMENT PIN

2 PINS FOR SAFETY

3/32" SHEER WEB VERTICAL GRAIN

FILL SPACE BETWEEN SPARS WITH FOAM BEFORE ADDING AILERON SKINS.

ROBART HINGE, TYP (5 PER AILERON)

14A

SHIM OR TRIM TABS ON RIB 15 TO ALIGN WITH RIB 14

FYI: 1-1/2" WASHOUT FROM R1 TO R14 (MORE THAN SCALE FOR SAFETY)

CONVENTIONAL AILERON SERVO INSTALLATION

1/16" ALUMINUM HORN

AILERON SERVO, 100 OZ-IN MINIMUM

BALL LINK PUSROD RECOMMENDED

WINGTIP CROSS-SECTION

TAPER SPARS TO BE FLUSH WITH R15

R14

R15

1" SHT TIP

ELEVATE 6-3/8" AT R14 WHEN JOINING PANELS

SPANGENBERG AILERON CONTROL ROD 3/16" & 7/32" BRASS TUBING, BALL LINK, BOLT

RIB 8

± 8°

RECOMMENDED CONTROL SURFACE MOVEMENTS

RUDDER: +3 INCHES (MEASURED AT LOWER CORNER)

ELEVATOR: 1 1/8 INCHES (MEASURED AT INBOARD CORNER) FLAP-ELEVATOR MIXING: ½ INCH DOWN ELEVATOR AT FULL FLAP.

PARTIAL FLAP: 2 INCHES. FULL FLAP: 5 INCHES.

AILERON SKINS, 1/16" SHT (4)

1/32" SQ

1/32" X 1/16" RIBS

1/32" X 1/16" TE

http://www.mitsubishi.com

MITSUBISHI Ki-15 "Babs"

DESIGNED AND DRAWN BY DAVID P ANDERSEN

0 1 2 3 4 5 6

SHEET 2 OF 5

REV 100511