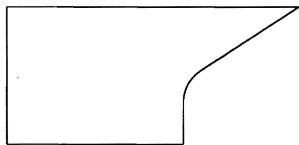
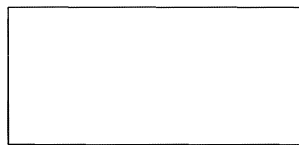


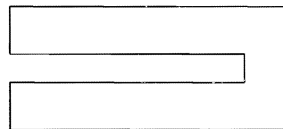
TOP VIEW HINGE



SPACER  
3/16" Balsa  
MAKE 2



COVER  
1/16" Balsa  
MAKE 2




FLAP MOUNTING PLATE  
1/8" PLYWOOD  
MAKE 1

MAKE A SET OF THESE PARTS FOR EACH HINGE

FOWLER FLAP HINGE INSTRUCTIONS

1. MAKE 2 SPACERS FROM 3/16" Balsa PER DRAWING
2. MAKE 2 COVERS FROM 1/16" Balsa PER DRAWING
3. MAKE 1 FLAP MOUNT PLATE FROM 1/8" PLYWOOD
4. EPOXY SPACERS AND COVERS ON EACH SIDE OF THE HINGE BLADE.  
DO NOT GET EPOXY ON THE SLIDING AREA OF THE STEEL BRACKETS.
5. CUT A 5/8" W X 15/16" D X 1 15/16" LONG SLOT IN THE TRAILING EDGE OF THE WING. LOCATE HINGES ON THE WING PLAN TOP VIEW.
6. LOCATE HINGE POSITION ON THE FLAP AND CUT A 1/4" WIDE SLOT TO FIT THE HINGE DO NOT CUT THROUGH THE TOP SHEETING.
7. CUT AND FIT THE FLAP FOR THE 1/8" PLYWOOD FLAP MOUNTING PLATE. EPOXY THIS IN PLACE FLUSH WITH THE BOTTOM SURFACE.
8. FIT HINGE ON FLAP AND SCREW IN PLACE.
9. TRIAL FIT FLAP WITH HINGES TO WING. WHEN EVERYTHING FITS EPOXY HINGE TO WING. USE A 4-40 PUSH ROD CENTERED BETWEEN THE TWO FLAP HINGES. USE A ROBART 1" BALL HORN WITH THE BASE CUT OFF AND GLUE HOLES DRILLED IN THE SIDE OF THE HORN, EPOXY THIS INTO A SLOT IN THE LEADING EDGE OF THE FLAP. THIS MAKES A PERFECT ATTACHMENT POINT FOR THE CLEVIS. THE FLAPS WILL WORK VERY WELL WITH ONE SERVO PUSHING AND PULLING AT THE CENTER OF THE FLAP.

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TOLERANCES (EXCEPT AS NOTED)	SCALE Not To Scale		MFG. INC. 625 N. 12TH ST. ST. CHARLES, IL	
DECIMAL .XX = ±0.010 .XXX = ±0.005 .XXXX = ±0.0005	DRAWN BY RLW		TITLE FOWLER FLAP HINGE INSTALLATION DETAILS	
FRACTIONAL	DATE 2/26/97	DRAWING No. 345-000		
ANGULAR	APP'D			

