

GLOSTER GLADIATOR

DESIGNED BY
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7/6
THE AEROMODELLER PLANS SERVICE
38 CLARENDON RD., WATFORD, HERTS.

2 REINFORCING STRIPS 3/16" WIDE OF .020" ACETATE INSIDE REAR EDGE.

.020" ACETATE CANOPY.

18 SWG. CANOPY RAIL. BIND FRONT END TO COCKPIT STRINGER.

SKETCH OF CANOPY AT F5A.

REAR OF CANOPY RAIL GLUED TO UNDERSIDE OF PLATFORM.

OUTLINE OF HEADREST.

TOP RETAINED UNDER HEAD.

CRANKCASE.

EXHAUST SYSTEM FOR ALLBON MERLIN OPTIONAL.

DUMMY ENGINE.

NOTE: FIN IS CEMENTED TO DETACHABLE SOFT BLOCK. THIS BLOCK IS ALSO GLUED TO TAILPLANE.

MATERIALS REQUIRED			
3 SHEETS OF 1/32" X 3" X 36"	6 STRIPS OF 1/4" X 1/2" X 36"	1 PIECE OF 12 SWG. PIANO WIRE X 36"	
4 " 1/16" " " "	9 " 3/16" X 1/8" X 36"	2 " 16 " " " "	
3 " 3/32" " " "	3 " 1/8" X 1/16" X 36"	1 " 18 " " " "	
2 " 1/2" " " "	2 " 1/8" X 1/8" X 36"	2 " 20 " " " "	
1 " 1/4" " " "	1 " 1/2" X 1/2" X 36"	1 SOFT Balsa BLOCK 12" X 1 1/2" X 1 1/2"	
1 " 1/2" " " "	12" X 12" CF 1/4" PLY	12" X 6" OF .020" CELLULOID	
2 STRIPS OF 1/2" X 3/16" T.E.	24" X 12" " 1/32"	24" OF 1/4" DIA. COPPER TUBE	
" " 3/8" X 3/8" L.E.	18" X 12" " 1/8"	3" OF 12 SWG. BRASS "	
		14" " 16 " " "	
		18" OF 3/8" X 3/8" BEECH BEARER	

Covering and Finishing
Original model covered with heavyweight modelspan, including sheeted areas. Lightweight silk may be used with resulting increase in strength if wing spars, leading and trailing edges are produced from very hard balsa to prevent warping. 2 coats of clear dope and 3 coats of thin silver dope required for finishing. For further colour notes see 'Aeromodeller' Dec 1958. 72 Sqdn. markings shown on plan.

ALL WOODS ARE Balsa UNLESS OTHERWISE STATED.

NOTE: COWLING IS NOT CEMENTED TO C2.

20 SWG. BRACING. SOLDER TO STRUTS.

COMPRESSION CREW RETAINS TOP OF COWL.

1/4" LAM. V2 SHEET LAMINATIONS.

WOODSCREW BLOCK.

1/32" PLY T.E.

1/4" DIA. COPPER TUBE.

LEAVE T.E. OPEN TO PERMIT MOVEMENT.

CELLULOID ROOT FAIRING.

LEG.

2 1/2" DIA. WHEELS (SEE U/C FRONT VIEW).

POSITION OF SERIAL NUMBER ON UNDERSIDE OF STARBOARD LOWER WING.

18 SWG. STRUT HOOKS BOUND TO SPARS.

SCRAP DOWEL.

CEMENT TO FUSELAGE.

ADD 1/8" SQ. ACROSS ALL HALF FORMERS AFTER ASSEMBLY.

16 SWG. CABANE STRUTS BOUND TO C/S.

CARD DUMMY RADIATOR.

2 STRIPS OF CELLULOID INSIDE HOOD, REAR EDGE.

FRONT FRONT PORT ONLY.

18 SWG. PITOT TUBE.

CARD GUN TROUGH.

18 SWG. WIRE WING STRUTS.

U/C & STRUTS SECURED TO F2 WITH SOFT WIRE LOOPS SOLDERED AT BACK.

COVER WITH SILK.

1/8" X 1/4" BOUND TO WIRE. COVER TISSUE OR SILK.

Balsa FAIRING AT BOTTOM.

SECTION THRU FAIRING.

12 SWG. BRASS TUBE.

3/8" Balsa HUB.

1/16" PLY.

TYRE FROM 2" SORBIC WHEEL.

CELLULOID COVER.

ALL GUSSETS 1/8" SHEET.

SECTION A-A.

18 SWG. WIRE LOOP FOR TAIL RETAINING RUBBER BAND.

BUILD TAILPLANE FLAT ON PLAN FROM HARD 3/32" SHEET & STRIP. ADD 1/16" X 1/8" TOP RIBS, REMOVE FROM PLAN & ADD UNDER RIBS. SAND TO SECTION.

NOTE: CEMENT MOVABLE ELEVATOR WHEN CORRECT TRIM IS FOUND.

1/8" SHEET.

3/32" SHEET.

1/8" SQ. TOP & BOTTOM.

1/16" SHEET TOP & BOTTOM.

1/8" X 1/16" STRIPS TOP & BOTTOM.

1/16" SHEET.

3/32" SO.

1/16" SHEET.

3/32" HARD SHEET CENTRE.

BEND BACK 77° & BIND TO BEARER.

16 SWG. BRASS TUBE.

16 SWG. CABANE STRUTS.

REAR.

CANOPY.

F10A.

F8.

F9.

F7.

F10.

EXTENT OF SHEETING ON F7 & F8.

CUT OUT DOTTED LINE AREA IF COCKPIT IS TO BE FITTED OUT.

SHIRRING THREAD BRACING RETAINS STRUTS.

SHIRRING THREAD LOOPE OVER HOOKS.

HEADREST PLATFORM.

CANOPY RAIL.

CARD FAIRING.

F6A.

POSITION OF 1/8" SQ.

F5.

F6.

CHAMFER INSIDE OF STRINGER AT COCKPIT.

NOTE: ENGINE BEARERS ARE OFFSET TO LEFT OF FUSELAGE & TWIN ENGINE IN BEARERS TO GIVE 3° RIGHT THRUST.

SHIRRING THREAD LOOPED OVER HOOKS.

1/16" SHEET BLISTERS.

1/16" SHEET.

1/32" PLY HORN.

SHIRRING THREAD BRACING TO HORN.

1/4" SHEET.

SOFT BLOCK EACH SIDE OF SHEET.

PIN FOR TAIL RETAINING BAND.

1" WHEEL.

18 SWG. LEG BOUND TO CRUTCH.

PLASTIC TUBE.

1/8" X 3/8" STRIPS SANDED STREAMLINE.

1/8" X 3/8".

TAILPLANE PLATFORM.

SOFT BLOCK.

3/32" SHEET HARD.

SHIRRING THREAD.

1/4" SHEET.

WIRE AT EACH END OF BRACING THREAD.

LOOP SHIRRING THREAD AROUND CANE SPACER.

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