零戦 ZERO

designed by dave platt

PLAN SHEET 2 ~ WING, STAB, FUS. BULKHEADS

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PLAN NO. 912③

WING LAYOUT A6M3 'HAMP'

OPTIONAL FLAPS (BASIC FOR M3 OR M5)
CUT TOP (CUTOUT) AND BOTTOM (SOLID) SKINS FROM 1/64" PLY OR 0-10 SHEET. BLOCK AROUND L.E. TUBE.
NOTE: ADD HINGE W-2 DURING ASSEMBLY.
MODEL EXHIBITS PRONOUNCED PITCH-UP WITH FLAPS EXTENDED.

BLOCK TIP
W-12 (A6M3 ONLY)
W-11
W-10
W-9
W-8
W-7
W-6
W-5
W-4
W-3
W-2
W-1
H-4
H-3
H-2
W-14 1/8" PLY MOUNT
SCRAP GUSSETS
1/16" WEBS
1/16" BRASS TUBE
1/8" BRASS HORN ~ BRAZE NOT SOLDER
FLAP KWIKLINK WITH #KM SOLDERED FOR LEFT FLAP KWIKLINK
TUBE FOR PROP-TANK WIRE
TWIN AIR-TANKS
CONNECTS TO LINE FROM FILL-VALVE
ALL SERVO RAILS ARE 1/4" x 3/8" BASSWOOD
SWITCHER
.040 WIRE
AIL. SERVO
.020 WIRE
DROP-TANK SERVO
TWIN 1/4" SQ. SPARS WEBBED WITH 1/16" SHT.
ELBOW-TYPE 20DIA STRONG CONDUITS FOR AIL-LINES TO L.G. UNITS
POSITION OF WING JIG WHILE BUILDING & SHEETING WING. JIG IS 1/8" THICK BALSA STRIP, 1/2" DEEP AT ROOT TAPERING TO 1/8" DEEP AT W-11 RIB.
ALUM'M TAB
W-16 1/8" OR 2 LAMS 1/8" SHEET
GOLDBERG NYLON 90° BELLCRANK ~ USE HOLES SHOWN
SNAP'R KEEPERS
BLOCK WINGTIP
ENTIRE WING SKINNED WITH 3/32" SHEET
W-15 1/8" PLY
W-15A
W-14
TWIN MAINSPARS 1/8" x 1/2"
1/16" WEBS STAGGERED
3/8 x 1 L.E.
L.G. RAILS 3/8" x 1/2" MAPLE ~ GLUE FIRMLY
* DAVE PLATT "V-LOCK" OR COMPETITION L.G. SYSTEM
AIR LINES TO UNITS
1/16" M.W. AIL. PUSHROD
MAKE CUTOUT IN SKIN AFTER LAYING-UP DOORS ~ SEE FINISHING BOOKLET
RIGHT GEAR & DOORS SHOWN "DOWN"
LEFT GEAR & DOORS SHOWN "UP"
BLOCK FILLS FOR GUN TUBES
POSITION OF CANNON
DIHEDRAL 4-5/8" AT W-11

WING LAYOUT A6M5

W-16 1/4"

AILERON MOVEMENT 3/8" U & D ~ MODEL IS SENSITIVE IN ROLL AXIS.

SKETCH SHOWING TYPICAL CONTROL SURFACE CONSTRUCTION & HINGE

NOTE GUN ABOVE WING L.E. CENTER

(3MM M/G (A6M5 c ONLY) MAKE FROM BRASSTUBE

NOTE: THE A6M5 c MOUNTED ONE SIMILAR GUN IN RIGHT SIDE OF FUSELAGE GUN-HOOD.

PITOT TUBE LEFT WING ONLY MAKE FROM BRASS TUBE

W-4/4A

HINGE H-2

W-5/5A

CUT R/BS W-3 TO W-6 TO DOTTED LINE IF INSTALLING FLAPS

W-6

H-3 (FLAPPED VERSION ONLY)

W-7

W-8

W-9

W-10

W-11

W-12 (A6M3 ONLY)

TYPICAL AILERON SECTION

1/32" SHIM BETWEEN CORE AND 1/16" HINGE PIN

W-4 AIL. HINGE (6 NEEDED)

ENTIRE STABILIZER SKINNED WITH 1/16" SHEET

1/4" SQ. LEADING EDGE

1/4" SQ. SPAR

1/8" SHT. TE.

SCRAP FILL

CORE CUT FOR 1/16" M.W. HINGE PINS

S-7 3/32"

S-6 3/32"

S-5 3/32"

S-4 3/32"

S-3 3/32"

S-2 3/32"

S-1 1/8"

H-5 HINGE (MAKE 6)

TYPICAL ELEVATOR SECTION

F-5 HINGE (MAKE 2)

BLOCK TIP

1/16" M.W. JOINER

1/8" I.D. BRASS TUBE

1/16" BRASS HORN BRAZE NOT SOLD'R

GAUZE BINDING

SCRAP FILL

3/32" SHIM

SCRAP GUSSETS

1/16" CORE 1/8" IBS. 3/16" L.E. EACH SIDE OF CORE SEE SKETCH

SOLID AB

F-8 3/32"

F-9 3/32"

F-10 3/32"

F-11 3/32"

F-12 3/32"

SKETCH OF L.G. UNIT COVER PLATE, INCORPORATING OUTER DOOR. NOTE THAT DOOR IS LOADED TO CLOSED POSITION WITH A SMALL RUBBER BAND.

LAID-UP FIBERGLASS DOORS ~ SEE FINISHING BOOKLET FOR METHOD

OPTIONAL SCALE GEAR, FORK & SCISSOR LINKS, MAKE FROM 10/24 ALM.

WHEELS ~ WILLIAMS BROS. 4 1/2" "BALLOON STYLE"

SKETCH OF DOOR-CLOSING DEVICE SHOWN IN 'UP' POSITION. SEE DETAILED INSTRUCTIONS FOR ADJUSTMENTS.

1/32" MUSIC WIRE CLIP, BIND WITH TINNED COPPER WIRE & SOLDER TO BRASS TUBE RECEPTACLE PRIOR TO INSTALLATION IN L.E.

SKETCH OF METHOD OF ATTACHING GUNS & PITOT. THESE PARTS ARE REMOVABLE TO PREVENT DAMAGE DURING TRAVEL ETC.

MICRO-BALLOONS FAIRING

20 MM CANNON (ALL VERSIONS)

FLAP HORN (2 REQ.)

SECTION AT W-1, W-1A.

CUT CAVITY IN W-15 FOR INSTALLATION OF FOUEMOST PRODUCTS TANK/BOMB RELEASE DEVICE.

SECTION AT W-2

POSITION OF RETRACTED WHEEL

ALL WINGRIBS 1/8"
ALL "A" DOUBLERS 1/16" PLY

TYPICAL FLAP SECTION

W-3

3:1 HINGE IF FITTING FLAPS. NOTE: ALL HINGES MADE OF 1/64" PHENOLIC OR G-10 EPOXY-GLASS LAMINATE (P.C. BOARD MATERIAL)