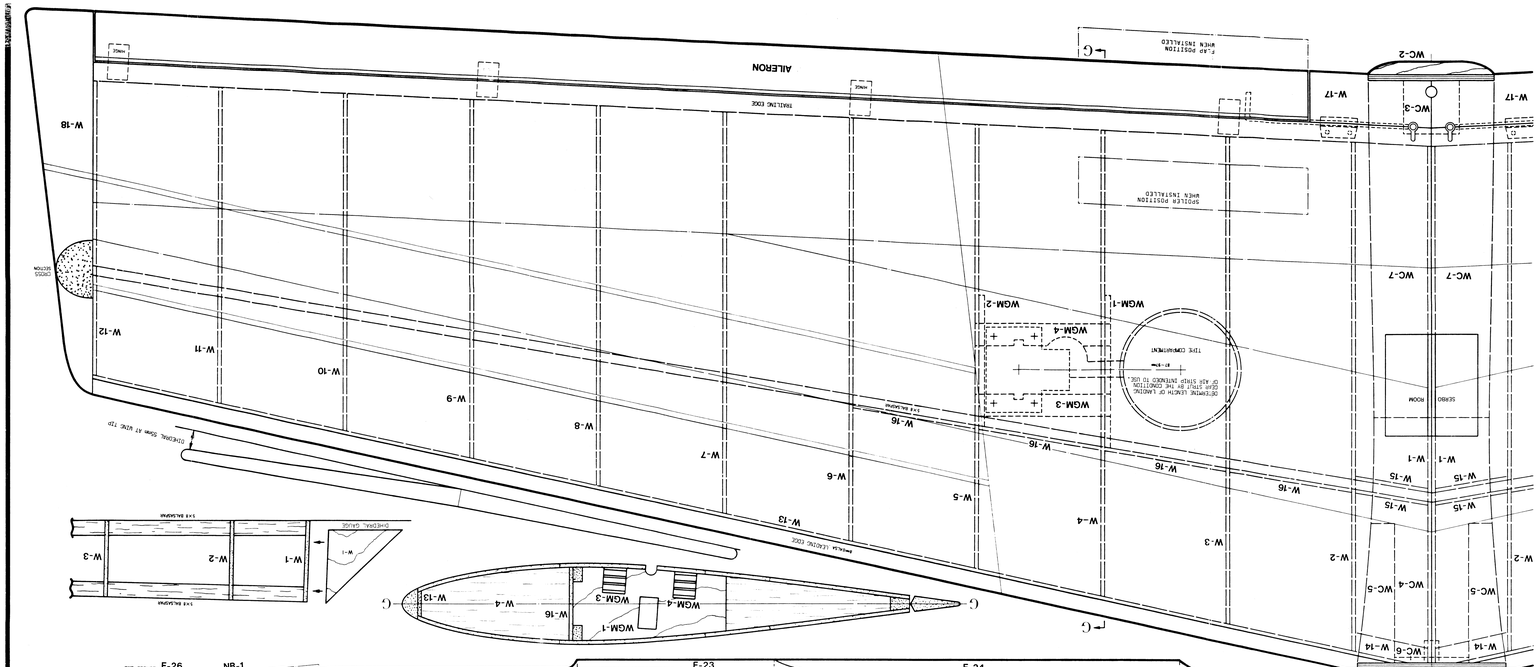
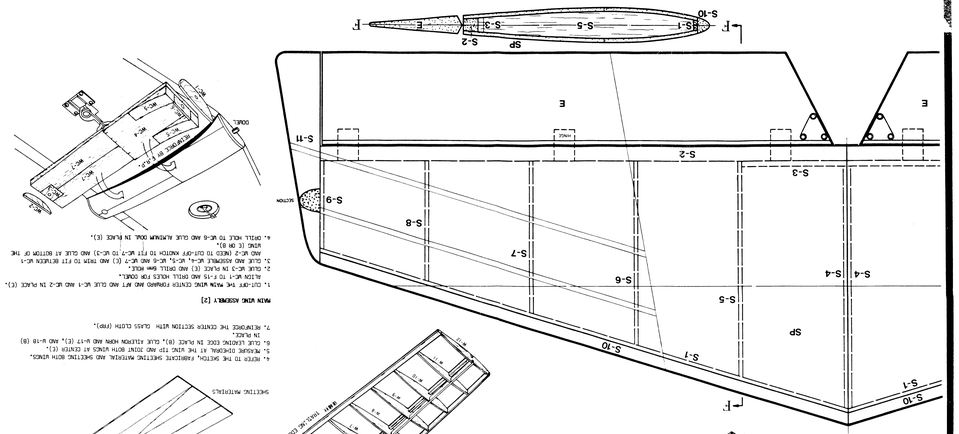
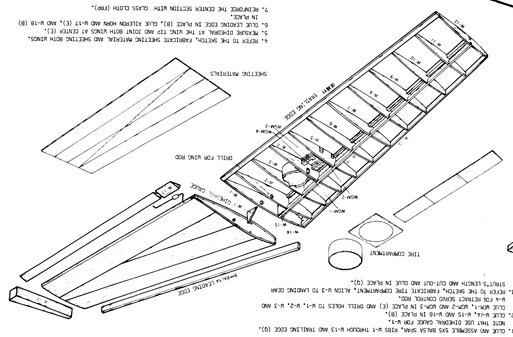
CITATION 45





MAIN WING ASSEMBLY [2]

1. CUT-OFF THE MAIN WING CENTER FORWARD AND AFT AND GLUE WC-1 AND WC-2 IN PLACE (E).
2. GLUE WC-3 IN PLACE (E) AND DRILL 6MM HOLE.
3. GLUE AND ASSEMBLE WC-4, WC-5, WC-6 AND WC-7 (E) AND TRIM TO FIT DRAWING WC-1 AND WC-2 INSIDE TO CUT-OFF PORTION TO FIT WC-7 TO WC-3) AND GLUE AT BOTTOM OF THE WING (E OR BT).
4. DRILL HOLE TO WC-6 AND GLUE ALMINUM DOWEL IN PLACE (E).

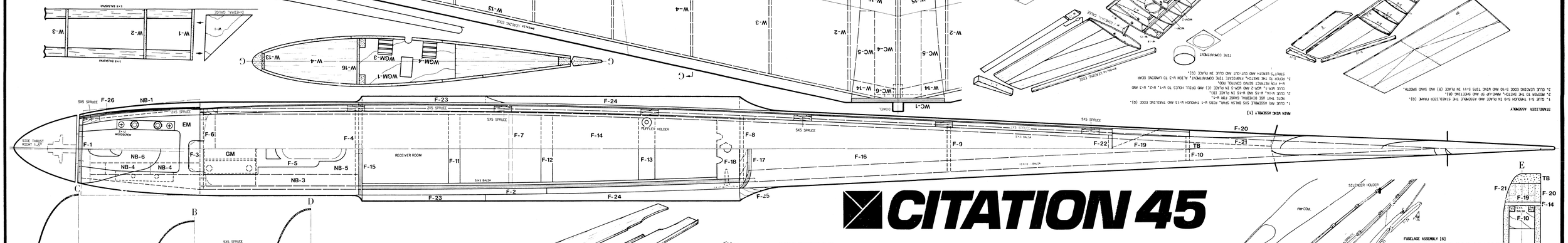


MAIN WING ASSEMBLY [1]

1. GLUE NO ASSEMBLE SAS BALSA SPAR, RIBS W-1 THROUGH W-13 AND TRAILING EDGE (D).
2. ASSEMBLE TO THE SECTION, MAKE-UP SP AND SHEETING (B).
   NOTE THAT USE DISPOSAL GAUGE FOR W-1.
3. GLUE NO ASSEMBLE SERVO CONTROL ROD.
   W-4 FOR RETRACT SERVO CONTROL ROD.
4. GLUE WC-1, WC-2 AND WC-3 IN PLACE (E) AND DRILL HOLES TO W-1, W-2, W-3 AND
   GLUE WC-4, WC-5 AND WC-6 IN PLACE (B).
5. GLUE AND ASSEMBLE FABRICATE TIRE COMPARTMENT, ALIGN W-3 TO LANDING GEAR
   TRIM'S LENGTH AND CUT-OUT AND GLUE IN PLACE (D).

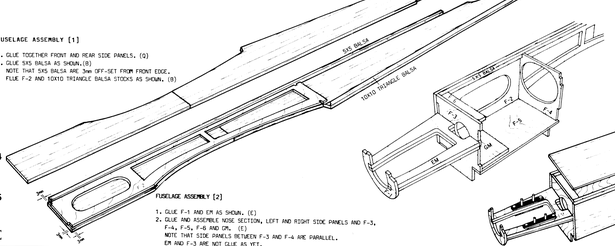
STABILIZER ASSEMBLY

1. GLUE NO ASSEMBLE 5-9 IN PLACE AND ASSEMBLE THE STABILIZER FRAME (D).
2. ADDPTE TO THE SECTION, MAKE-UP SP AND SHEETING (B).
3. GLUE LEADING EDGE S-10 AND WING TIPS S-11 IN PLACE (B) AND SAND SMOOTH.



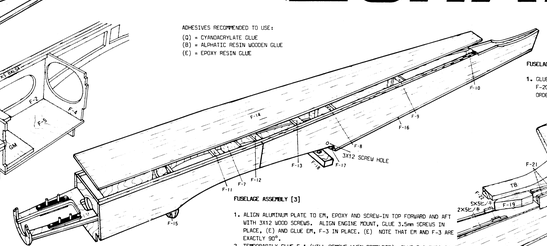
FUSELAGE ASSEMBLY [1]

1. GLUE TOGETHER FRONT AND REAR SIDE PANELS. (G)
2. GLUE 5X5 BALSA AS SHOWN.(B)
   NOTE THAT 5X5 BALSA ARE 3mm OFF-SET FROM FRONT EDGE.
   FLUE F-2 AND TOYO TRIANGLE BALSA STOCKS AS SHOWN. (B)



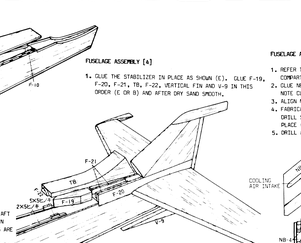
FUSELAGE ASSEMBLY [2]

1. GLUE F-1 AND EM AS SHOWN. (E)
2. GLUE AND ASSEMBLE NOSE SECTION, LEFT AND RIGHT SIDE PANELS AND F-3, F-4, F-5, F-6 AND CM. (E)
   NOTE THAT SIDE PANELS BETWEEN F-3 AND F-4 ARE PARALLEL.
   EM AND F-3 ARE NOT GLUE AS YET.



FUSELAGE ASSEMBLY [3]

1. ALIGN ALUMINUM PLATE TO EM, EPOXY AND SCREW-IN TOP FORWARD AND AFT WITH 3X12 WOOD SCREWS. ALIGN ENGINE MOUNT, GLUE 3.5mm SCREWS IN PLACE, (E) AND GLUE EM, F-3 IN PLACE. (E) NOTE THAT EM AND F-3 ARE EXACTLY 90°.
2. TEMPORARILY GLUE F_6 (WILL REMOVE WHEN COMPLETE), GLUE F-8 THROUGH F-15 IN PLACE. (B OR E)
   NOTE THAT PRIOR TO GLUE F-15, ALIGN F-4 AND WC-1 AND DRILL HOLES FOR DOWELS.
3. GLUE F-16, F-17 AND F-18 (B). APPLY EPOXY GLUE AND SCREW-IN 3X12 SCREWS INTO F-18 FROM BOTH SIDES OF THE FUSELAGE.

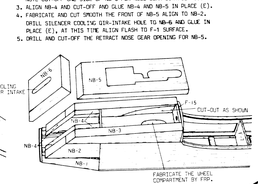


FUSELAGE ASSEMBLY [4]

1. GLUE THE STABILIZER IN PLACE AS SHOWN (E). GLUE F-19, F-20, F-21, TB, F-22, VERTICAL FIN AND V-9 IN THIS ORDER (E OR B) AND AFTER DRY SAND SMOOTH.

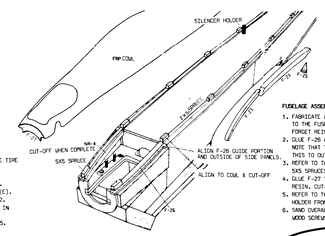
FUSELAGE ASSEMBLY [5]

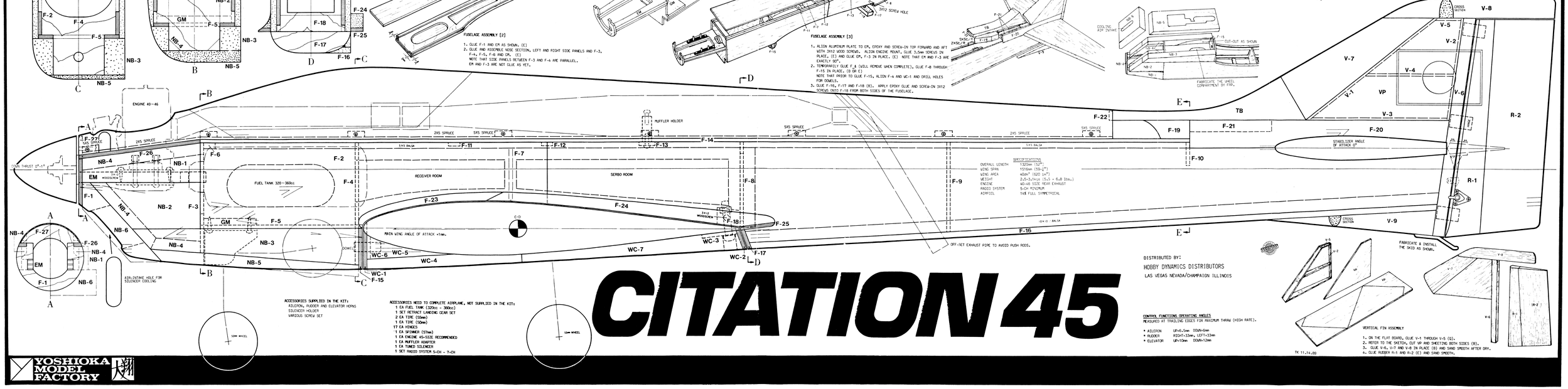
1. REFER TO THE SKETCH, FABRICATE HOLES TO F-5 AND MAKE THE TIRE COMPARTMENT BY F,5,F.
2. GLUE NB-1, NB-2 AND NB-3 IN PLACE (E).
   NOTE CUT-OFF ONE SIDE OF NB-3 FOR NOSE GEAR CONTROL ROD.
3. ALIGN NB-4 AND CUT-OFF AND GLUE NB-4 AND NB-5 IN PLACE (E).
4. FABRICATE AND CUT SMOOTH THE FRONT OF NB-5 ALIGN TO NB-2, DRILL SILENCER COOLING AIR-INTAKE HOLE TO NB-4 AND GLUE IN PLACE (E), AT THIS TIME ALIGN FLUSH TO F-1 SURFACE.
5. DRILL AND CUT-OFF THE RETRACT NOSE GEAR OPENING FOR NB-5.



FUSELAGE ASSEMBLY [6]

1. FABRICATE AND GLUE FILLET F-23, F-24 AND F-25 TO THE FUSELAGE (B OR E). AT THIS TIME, DO NOT FORGET REINFORCEMENT SCREWS 3X12 ARE IN PLACE.
2. GLUE F-26 AT TOP OF NB-1(E).
   NOTE THAT THERE IS A GUIDE AT F-26 AFT, ALIGN THIS TO OUTSIDE SURFACE OF SIDE PANELS.
3. REFER TO THE SKETCH AND COWL, GLUE 2X5 AND 5X5 SPRUCES IN PLACE (G).
4. GLUE F-27 TO TOP OF FRM COWL BY POLYESTHEL RESIN. CUT-OFF HOLES FOR ENGINE AND NEEDLE VALVE.
5. REFER TO THE SKETCH, INSTALL ALUMINUM MUFFLER HOLDER FROM THE BACK OF F-13, SCREW-IN & GLUE(E).
6. SAND OVERALL, INSTALL THE COWL IN PLACE WITH 2mm WOOD SCREWS IN PLACE.





SPECIFICATIONS

OVERALL LENGTH	1320mm (52")
WING SPAN	1516mm (59-3/4")
WING AREA	40dm² (620 in²)
WEIGHT	2.5~3.1kgs (5.5 ~ 6.8 lbs.)
ENGINE	40~46 SIZE REAR EXHAUST
RADIO SYSTEM	5~CH MINIMUM
AIRFOIL	14% FULL SYMMETRICAL

ACCESSORIES SUPPLIED IN THE KIT:
AILERON, RUDDER AND ELEVATOR HORNS
SILENCER HOLDER
VARIOUS SCREW SET

ACCESSORIES NEED TO COMPLETE AIRPLANE, NOT SUPPLIED IN THE KIT:
1 EA FUEL TANK (320cc ~ 360cc)
1 SET RETRACT LANDING GEAR SET
2 EA TIRE (56mm)
1 EA TIRE (50mm)
17 EA HINGES
1 EA SPINNER (57mm)
1 EA ENGINE 45-SIZE RECOMMENDED
1 EA MUFFLER ADAPTER
1 EA TUNED SILENCER
1 SET RADIO SYSTEM 5~CH ~ 7~CH

ADHESIVES RECOMMENDED TO USE:
(G) = CYANOACRYLATE GLUE
(B) = ALPHATIC RESIN WOODEN GLUE
(E) = EPOXY RESIN GLUE

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LAS VEGAS NEVADA/CHAMPAIGN ILLINOIS

CONTROL FUNCTIONS/OPERATING ANGLES
MEASURED AT TRAILING EDGES FOR MAXIMUM THRAW (HIGH RATE).

• AILERON	UP=0.5mm	DOWN=6mm
• RUDDER	RIGHT=33mm,	LEFT=33mm
• ELEVATOR	UP=10mm	DOWN=12mm

VERTICAL FIN ASSEMBLY

1. ON THE FLAT BOARD, GLUE V-1 THROUGH V-5 (G).
2. REFER TO THE SKETCH, CUT VP AND SHEETING BOTH SIDES (B).
3. GLUE V-6, V-7 AND V-8 IN PLACE (B) AND SAND SMOOTH AFTER DRY.
4. GLUE RUDDER R-1 AND R-2 (E) AND SAND SMOOTH.

TX 11.14.00

YOSHIOKA MODEL FACTORY