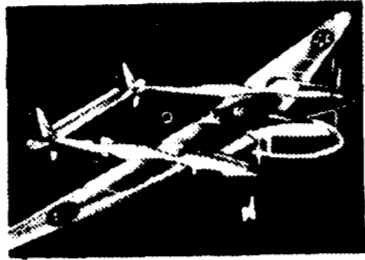
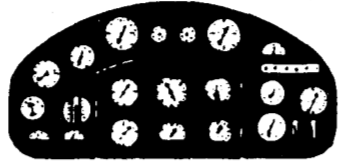
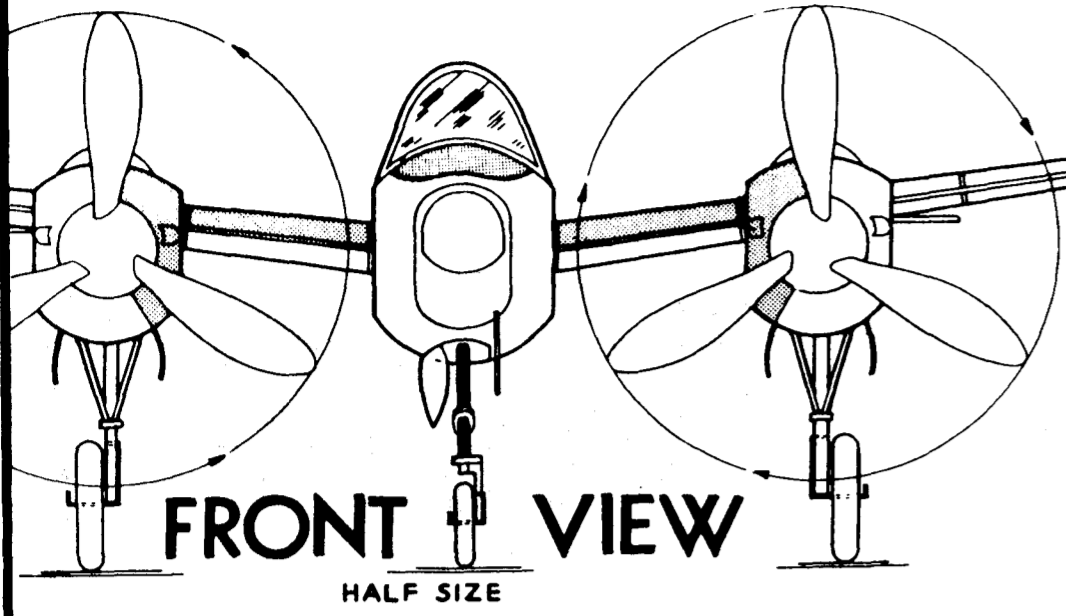


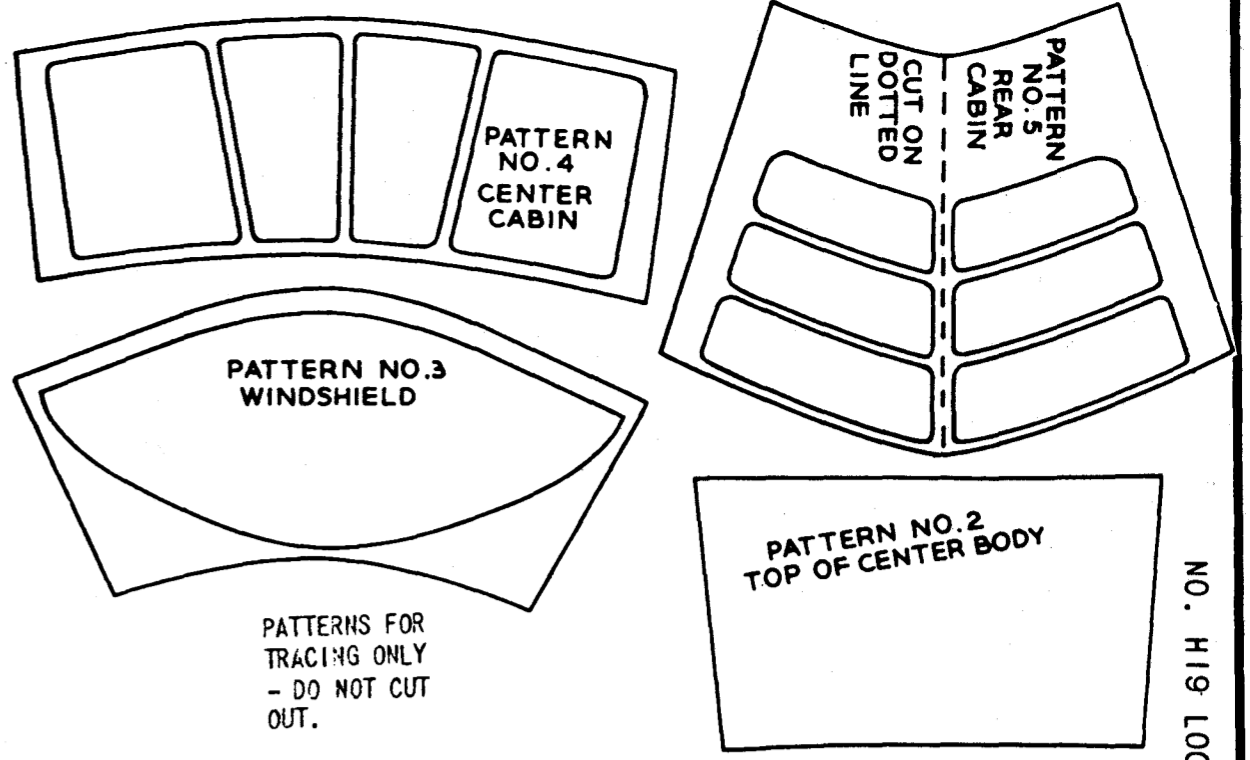
U.S. ARMY

IMPORTANT.

DO NOT CUT OUT NUMERALS UNTIL MODEL IS COMPLETED OR YOU MAY DESTROY PART OF PLAN NEEDED IN BUILDING THE FRAMES.



DIHEDRAL 1-11/16



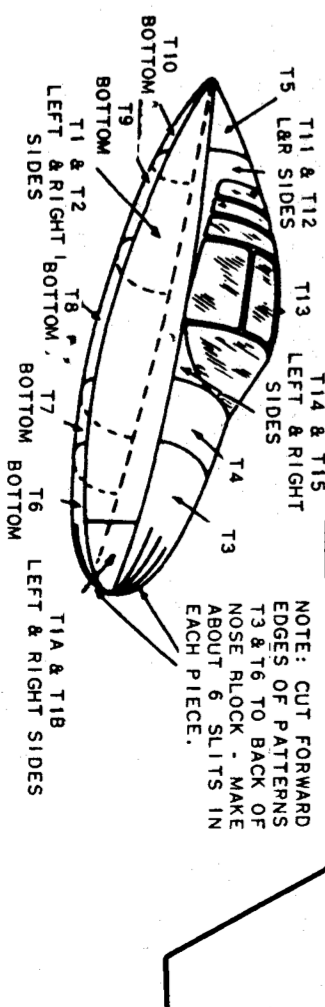
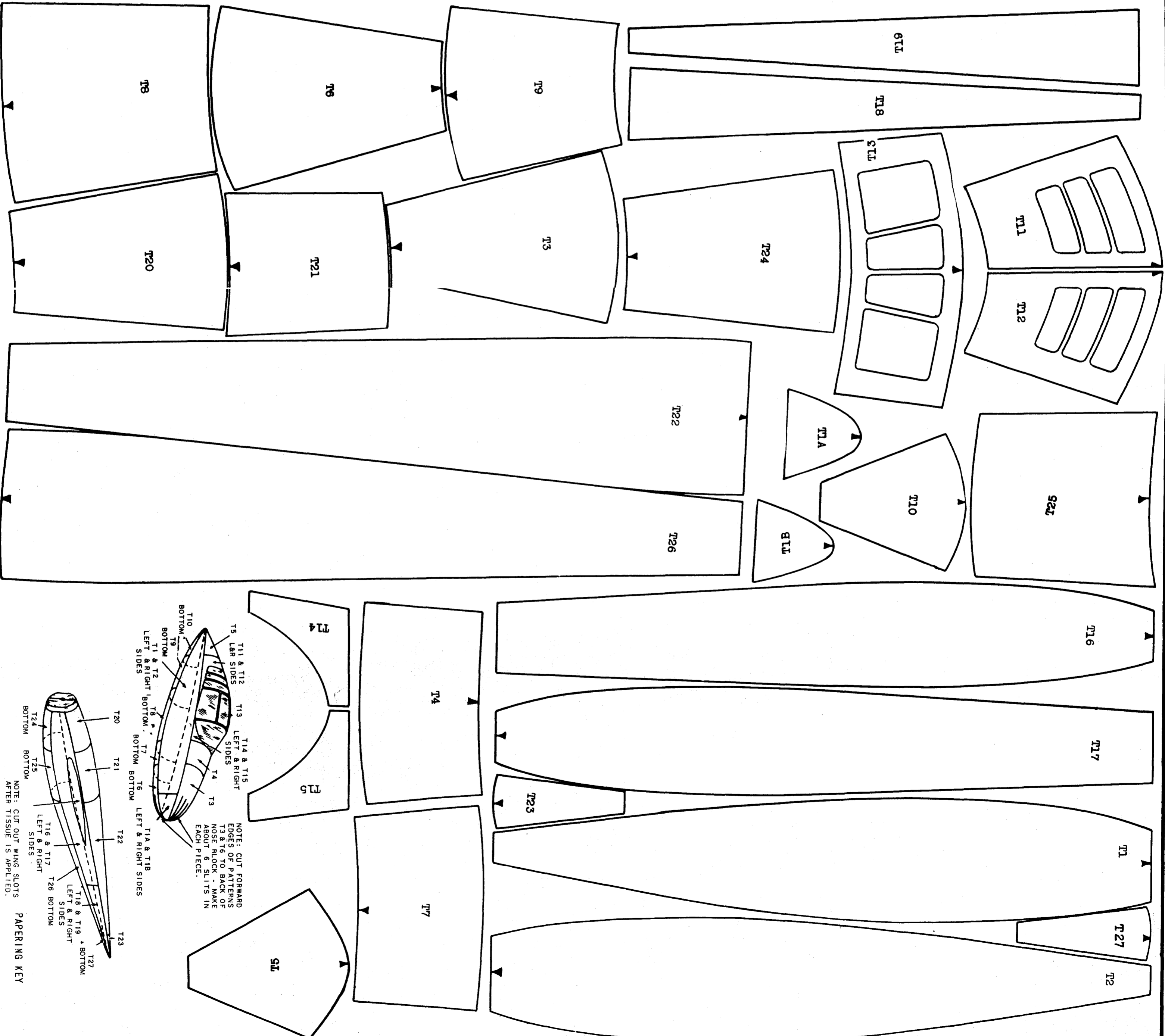
CUTTING TISSUE PIECES.

Keep glossy side of tissue next to pattern sheet. The grain of tissue should run in direction of the arrows.

First - Tack large sheet of tissue over tissue patterns and trace the patterns lightly on tissue with a soft lead pencil. Then remove tissue from the layout.

Second - Cut out the traced patterns only when needed. (If they are all cut out at the same time it will be difficult to identify the pieces - by cutting as needed, the location of desired pieces can be found by referring to these layouts.)

NO. H19 LOCKHEED LIGHTNING (24")



NOTE: CUT OUT WING SLOTS AFTER TISSUE IS APPLIED.

PAPERING KEY



PILOT'S CHOICE

BUILDING THE LOCKHEED P-38 LIGHTNING



Copyright 1940, 1942 by Paul K. Guilow

BEFORE STARTING CONSTRUCTION: Study plan carefully, work accurately. Obtain the following tools and materials: - razor blade, about 50 small common pins, pair of pliers, sandpaper, and a sheet of wax paper. Pin wax paper over plan to prevent frames from adhering to plan. Use drawing board, bread board, cardboard, etc. as base (a balsa base is better if obtainable). Strip panel cut balsa. Use a straight edge to guide razor blade. Sandpaper rough edges of stock smooth. Use thick quick drying cement to fasten balsa parts together.

Follow printed directions given on plan, start with Step One, then Step Two, etc. Refer to this sheet for illustrations of succeeding steps, being sure to follow notes given here. For instance, instructions given on plan call for covering each frame as it is built. Instead it is best to build all frames first, then cover them as indicated on this sheet. On reverse side of this sheet are many general methods of cementing frames together, cutting out ribs and formers, covering frames and assembling. Illustrations given are not of model being built.

STEP ONE LEFT MOTOR NACELLE CONSTRUCTION

First fuselage side frame
Cement together here
Second fuselage side frame in place
Do NOT cement frames together except at tail
Trim off excess longeron lengths
Split apart except at tail

IMPORTANT! When building side frames for right motor nacelle piece 15 is cemented in first side frame and pieces 16A and 16B are cemented in second side frame

STEP THREE RIGHT WING CONSTRUCTION

Bottom spar pinned over right wing layout. Trace angle block on balsa or cardboard - cut out, and pin to inside line of No.1 rib.

Wing angle block

Actual size

Do NOT cement No.1 rib to shape and hold in place with pins at C and D

Ribs in place over bottom spar No.1 rib leans against angle block and is held with pins A and B. Bend rib to shape and hold in place with pins at C and D

Adding leading and trailing edges (other pins omitted for clarity)

Completed right wing frame - left wing made in the same manner (Use same angle block for both)

Trim off excess spar lengths

(Printed in the United States of America)

CENTER BODY STIFF PAPER COVERING PATTERN NO.2

CENTER BODY CELLOPHANE COVERING Add in order given then stiff paper

CENTER BODY TISSUE COVERING - See tissue layout sheets for method of getting tissue patterns. Apply pieces in numerical order

NOTE: CUT FORWARD ROCKS OF STIFF PAPER TO BACK OF NOSE BLOCK - MAKE ABOUT 1/8 INCH IN EACH PIECE.

NOTE: CUT OUT WING SLOTS AFTER TISSUE IS APPLIED

NACELLE TISSUE COVERING

Both nacelles are covered in same way. No stiff paper or cellophane required. Cover wings, rudders and stabilizer on both sides

NOTE: CUT OUT WING SLOTS AFTER TISSUE IS APPLIED

ASSEMBLING THE CENTER BODY LANDING GEAR

ASSEMBLING THE NACELLE LANDING GEAR - MAKE TWO

1. 2. 3. 4.

1. 2. 3.

Add when assembling model

ASSEMBLING THE MODEL

1. Cement wings to center body

2. Heat center body on table with wire tips on blocks until dry

3. Slide right motor nacelle over right wing and cement in place

4. Slide left motor nacelle over left wing and cement in place

5. Add rest of parts in numbered rotation - add all external stiff paper parts - add prop and all details

STEP TWO LEFT MOTOR NACELLE CONTINUED AND CENTER BODY CONSTRUCTION

Adding the formers

Adding the stringers and nose block. Next build the right motor nacelle over side view of plan in a similar manner

Landing gear braces

Build the center body in a similar manner as motor nacelles

Detail of the center body landing gear braces - add after stringer and nose block attachment

Adding the stringers and nose block

STEPS FOUR AND FIVE

Stabilizer frame

Trim off all excess spar lengths

NOTCHING FORMERS AND RIBS.

KIT NO. H19DC
LOCKHEED P-38
LIGHTNING
Series 100DC

1. SET DIE-CUT BLANKS OVER PATTERNS ON PLAN. PIN IN PLACE.

2. MARK NOTCH LOCATIONS ON BLANKS WITH PENCIL.

3. CUT NOTCHES WITH RAZOR BLADE KNIFE OR MODELERS' KNIFE.

FUSELAGE & NACELLE FORMERS

Do not cut notches in this rib until rib is cemented to spar.

WING RIBS

1. 2. 3. 4. 5.

TOP

TOP

TOP

TOP

TOP