

## FUSELAGE ASSEMBLY

## STEP 1

Remove any creases in plan. Tape down to building board, and cover with kitchen film to prevent frame from sticking to plan. Printed parts may be cut out before construction is started. Using wire provided, bend landing gear to shape of full-size pattern. Solid black lines on full-size side view is the fuselage center frame. Cut 1/16" square strips carefully to length, pin & cement in place. Add part #18. Allow center frame to dry thoroughly.

## STEP 2

**Step 2 and Step 3 should be done one after the other to prevent glue from setting permanently before parts are aligned. Cement all Bulkhead halves from #19 thru #27 vertically in place, then cement Side Keel #28 into long slots in Bulkheads as shown.**

### STEP 3

Notes that Side Kiosk (as well as all other stringers that will be installed) are made from 1 1/2" x 3" x 1/2" Baltic Birch shown in sketches. Moisture #33 with water added in bonding then cement #33 to side of Bulkheads from #22 to #24 as shown. Using the Bulkheads from #22 to #24 as shown. Using the 1/32" printed parts sheet cut seven 1/32 sq. stringers 9 inches long. Install the 1/32 sq. stringers as shown in sketch, photo and side view. Any of the top stringers not visible in this Step Sketch can be seen in next Step Sketch and are installed after front and rear cockpit covers are added in next step. Allow framework to dry thoroughly.

#### STEP 4

Remove the fuel hoses from the fuel manifold and cut the hoses at the rear of the Bulkheads in place. Follow by Side Vent hoses as described in Steps 2 and 3. **DO NOT HAKE ANOTHER BULKHEAD ASSEMBLY.** The Bulkheads are now ready to be FUSELAGE CENTER FRAME ASSEMBLY. The Bulkheads are now ready to be removed from the flat surface. Complete right side of fuselage in same manner as left then cement the fuselage to the other side at location shown in drawing #314. To the other side at location shown in drawing #315. Immediately by Bulkhead #12 sandwiching gear between Bulkhead #12 and Bulkhead #13. Then Bulkhead #14 to #19 to #22 on top of the struts. Then Bulkhead #23 to #26 on the bottom of the struts. Then Bulkhead #27 to #30 on the tail gear place as shown in sketch and Side View. Check Fuselage Assembly with Top View to be certain fuselage is square. Now the fuselage is not distorted. 1/16" down which holds rubber motor at rear is shown in this sketch for clarity only. It is installed in the fuselage to hold the rubber motor in place. The rubber motor is used to prepare for tissue covering and lightly to prepare for tissue covering.

**TAIL ASSEMBLY**

Pin and cement number parts together over plan. Complete assemblies by adding 1/16" square strips. Cut to fit, and cement in place. Allow frames to dry thoroughly before removing from flat surface then sand smooth, rounding edges. Cover as described in Covering Note.

### WING STRUT DETAIL

Cut 1/16" x 1/8" strips to length, tapering bottom as shown. Pin and cement together over full size plan. When dry sand smooth, rounding corners. Make two assemblies.

**TISSUE COVERING**

Frame is covered tissue dry. Use clear dope to attach tissue. Apply a light coat of dope to the outside edges of the area to be covered and allow to dry. Cut tissue to shape required, about 1/4" all around. Apply a second coat of dope to the frame, then put the tissue in place smoothing into the frame and working out any wrinkles. When tissue is trimmed off with sharp blade, if any wrinkles develop, cut out wrinkled area (bounded by nearest framework) and recover section. Fuelage is covered with blue tissue, wings and

**FINAL ASSEMBLY**

To prevent distortion of plastic, cut nine pieces of 3/16" diam. 1/4" long for cylinders. Drill 3/16" Dia. holes in crankcase at marked locations and cement the dowels in place as shown. Cement the pistons in place as shown. Cement the connecting rod provided, cut windshield to pattern shape and cement in place. Windle up on propeller shaft, follow by the two wastebasket sized shafts, followed by the rubber loop and drop of shaft to engage prop. Install rubber loop by dropping thru fuselage. Push down the hole in #34, thru rubber loop and into the prop. Loop of ragging clip and pull rubber loop out of fuselage and engage in propeller shaft hook. Use PLASTIC MODEL PAINT for any paint trim or treatment. Scale details such as Engine, Rigging Lines, Cockpit Controls, etc. are made from scrap if desired. Applying details at locations shown in drawing. Coat fuselage with black enamel. Coat propeller with India Ink or thin strips of black tape. Your Peanut Scale Stearman #P-17 is now finished. Be sure it balances at forward CG. Check for any loose parts before flying. GOOD LUCK AND GOOD FLYING!

## WING ASSEMBLY

## STEP 1

## STEP 2

[illegible]

Using your sharp blade, cut completely through leading and trailing edges on outside of rib #44, thus separating outer panels from center section. Keeping center section pinned down, remove panels from flat surface and cement outer panels (ribbed) on back of center panel. Then, using a hand saw, cut wing fuselages right across. Immediately cement in place and assembly permitted to dry THOROUGHLY. When dry, sand frame smooth. Build bottom wing and tips into leading edge. Build bottom wing in the manner shown in drawing. Cement in place. No sanding for bottom wing is from center rib and tips are raised 5/16".

**TOP VIEW**

**WINDSHIELD PATTERN**

**SIDE VIEW**

## KIT P5

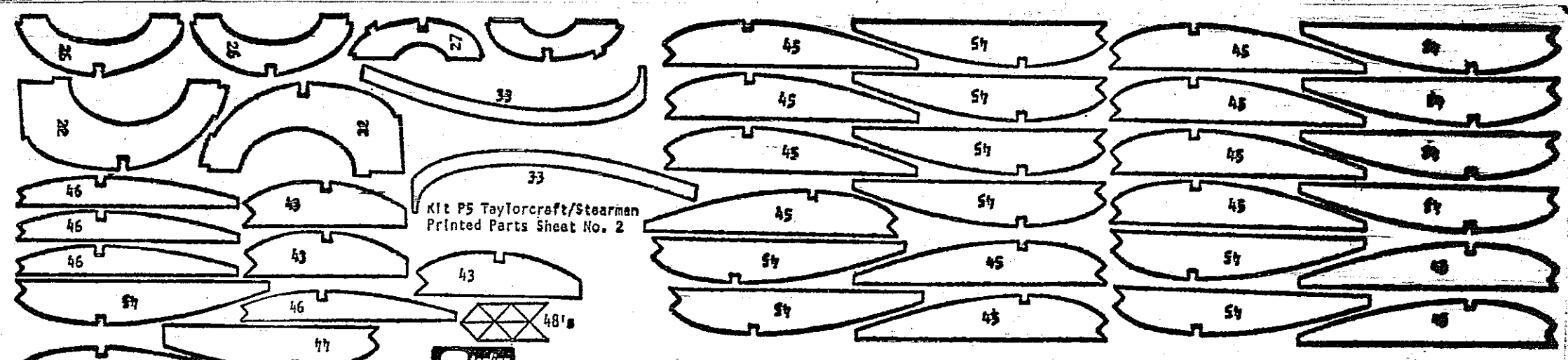
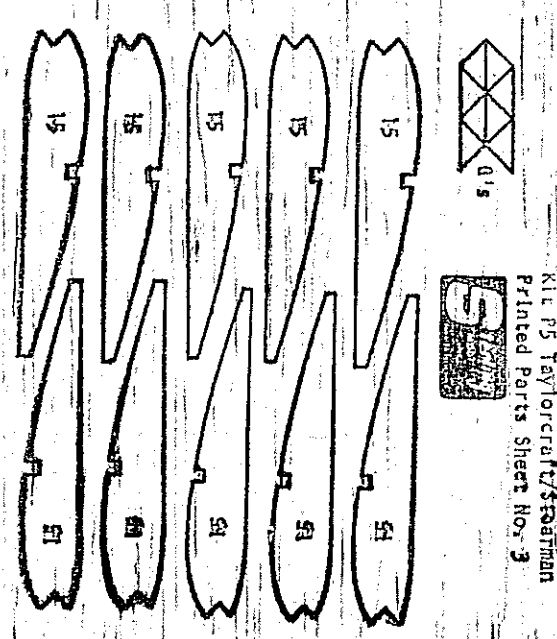
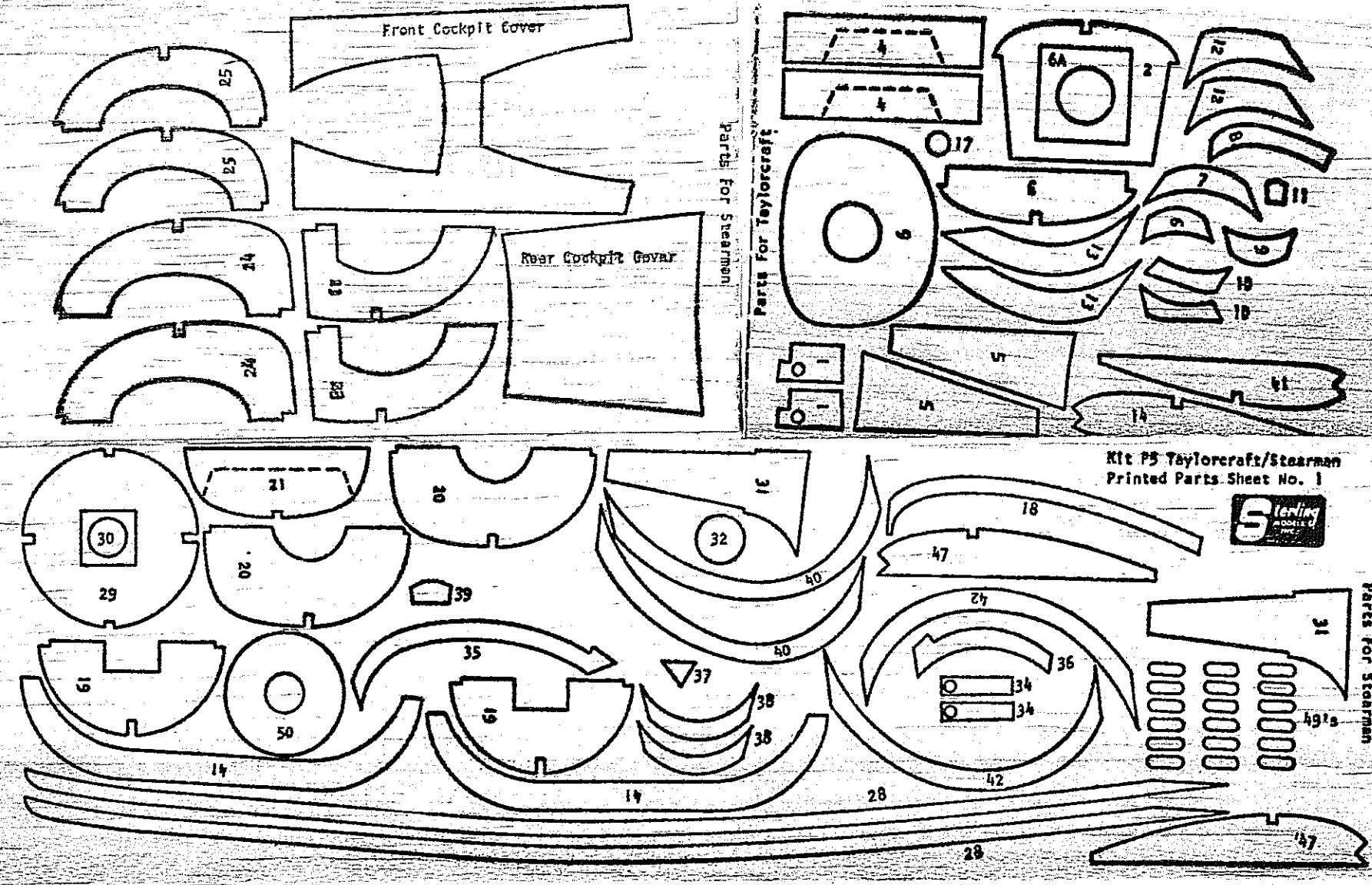
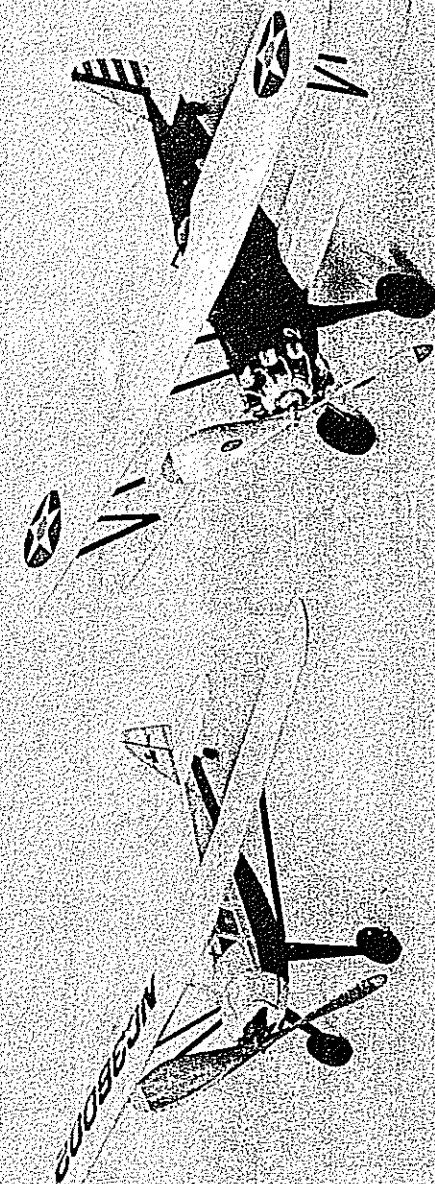
# STEARMAN PT-17

**PEANUT  
SCALE**

## Cement into Front Cockpit

**Cement into Rear Cockpit  
INSTRUMENT PANEL.**

Assembly,



Use This Area for 1/32 Sq. Stringers