

SOMBOLD SO-344

MAIN CAUTIONS

Before gluing the model get familiar with the main plan of the model and the assembly drawings. We use the method of trying pieces on dry, try on twice and then glue. When gluing the fuselage check its symmetry. Pieces which are unprinted, edges, cuttings, scratches etc. should be painted with water colors. You can paint the finished model with matt varnish. Pieces which need to be properly profiled or rolled tightly into a pipe can be slightly dampen with saliva from the unprinted side and then profile. Before using this method you can exercise on a piece of cardboard. If you are doing quite well, you will have great results.

MARKINGS

.....cut out

.....roll tightly

.....bend in half and glue

.....bend in half and inside place cardboard

.....glue to bristol

.....glue to 0,5 mm cardboard

..... glue to 1mm cardboard

Beside some pieces are pictures demonstrating how to form them. The red numeration marks the spaces to which details should be glued. The girders edges ought to be grinded as according to the segments joined to them.

MODELS BUILD

Begin the build of the model from gluing the fuselage. First glue segment 1 as well as the frame A1 and A2. Glue frame A1 from pieces A1a-A1e and frame A2 from pieces A2a-A2c. Glue to segment 1 segment 2 as well as frame A3. Depending on which version you choose(with the bow fixed permanently or able to come off) use the proper frame A3. The frames with the bow permanently fixed glue to segment 2 with the proper plywood, the frame with the movable bow glue without the plywood. Next glue segment 3 as well as frame A4. At this point you must choose if you wish to make the pilots cabin with the equipment or without it. In the first version you must cut out the marked space in pieces 3,17 as well as in frame A4. If you choose to go without the pilot cabins equipment then you omit pieces 4-16. Begin the build of the cockpit from forming and gluing piece 4. (At this stage do not glue the back wall because it would cause difficulty when gluing in the equipments elements, glue the back wall after fixing all of the cockpits elements). Glue to piece 4 in the marked space the rudder bar glued from pieces 5a-5f. Fix the cockpits tub to segment 3. After gluing the tub into the fuselage fill the cockpit with the remaining elements which are pieces 6,7,8,9,10,11,12,13,14,15 and 16. Now glue to the fuselage segment 17 as well as frame A5. Glue from piece A6 the tail planes skeleton. You can choose either to make the version with movable steers or not. Glue over the finished skeleton pieces 18a and 18b. In the movable version in piece 18a cut of the marked spaces of the steers and glue over the steerings skeleton pieces 18b. In the simple version glue over the tail planes skeleton pieces 18a, piece 18b in this version is useless.

Glue the stabilizers ends from properly profiled pieces 18c,d and e. Glue the finished stabilizer into segment 19 which is closed by frame 20. Glue into the segment pieces A7a and A7b and then fix the entire segment to the rest of the fuselage. Glue from pieces A8a-A8n the fins skeleton. Glue the finished skeleton to the fuselage and then glue it over with pieces 22a-22f. Piece 22a should be properly formed before gluing it. In the version with the glazing fairing pieces 22b and c glue the piece made from foil as according to pattern F2. Remember that in this version before gluing the skeleton with piece 22b and c, glue levers 22f to piece 22b. If you chose to make the model with a movable bow then you must glue the airframes front. You can make the front in two ways, normal and simplified. In the normal version use pieces A9-A16 as well as 23-28, in the simplified version you do not use frame A10 and A11. Both versions differ from each other the way of gluing piece 23. In the simple version the passage from segment 2 to 24 is a straight line, in the normal version the passage is smooth. In the normal version glue together frames A9,A10,A11, next grind the entire part in order to gain the figure shown on the assembly drawings. Profile properly piece 23. It would be best to dampen from the unprinted side piece 23 before forming it, it will make the forming much easier. After gluing piece 23 to frames A9,A10 and A11 glue the remaining part of the front from elements A12-A16 and 24-28. Glue the finished front to the rest of the fuselage.

CAUTION!!! Between the front and segment 2 there should be a offset on the entire perimeter. The offset should have about 0,5 mm. This place is for the models bow. The next stage of building the model is making the wings. From pieces A17a-A17w glue the wings skeleton. From pieces A18a-A18d as well as pattern S5 glue the flaps skeleton, from pieces A19a-A19d and pattern S6 glue the ailerons skeleton. After gluing the skeleton grind it with abrasive paper. Glue over the finished skeletons sheathing pieces 29a, piece 29b (flaps) and 29c (ailerons). Glue the finished wings to the fuselage. You must take a lot of time and caution when joining the wings with the fuselage, because in his model there is no fuselage-wing profiling. Next glue the movable bow from pieces A20-A23 and 30-34. (if you have chosen to make the permanent bow then you glue the elements directly onto the fuselage). You can paint the bow in one of two versions, with the sharks jaws or in a simple camouflage. Remember that in frame A20 you must make proper pockets which will be used later on in helping to fix the fins. Glue the fins skeleton from pieces A24a and A24b, remember to glue between these pieces wire S7. In the finished skeletons cut off the edges and then grind it with abrasive paper in order to make a proper figure. Next glue the skeletons with proper sheathing, piece

35(top fin), piece 36 (bottom fin), piece 37L (left fin), as well as piece 37P (right fin). Glue the finished fins to the bow in the marked spaces pushing in bayonets S7 in the proper openings. In the end glue into segment 30 properly formed piece 38.

Glue the fuselage skids skeleton from pieces A25a-A25h. Grind the finished skeleton and glue it over with sheathing pieces 39a-h. Glue the finished skid to the fuselage. In the end glue the remaining details: piece 40-back skid, piece 41, piece 42- hatches cover, pieces 43a,b. The model is ready, If you wish to make it more attractive then you can make a beaching trolley. Glue the trolleys frame from properly profiled pieces 44a,b,c,d. Glue between the frame beams glued from pieces 44e and f. Remember that before gluing, cut out of pieces 44a and 44b openings which will be needed for fixing the front wheels. Next roll tightly onto wire S8 piece 45a and 45b. Immobilize piece 45b on wire S8, and piece 45a should easily turn around it. Grind from the bottom piece 45b in order to make space for piece 45c which is rolled on wire S9. Glue piece 45a into earlier cut out openings in piece 44a and 44b. Slip in piece 45a wire S8, from the top protect it from coming out with the help of rollers 45d and 45e. Glue rollers only to wire S8. Glue the trolleys wheels from rollers 46a-46c. Grind the glued wheels with abrasive paper in order to receive the figure presented on the drawing. Put the finished wheels onto axle S9 and protect from coming off with rollers 46d,e. Before fixing the wheels glue and fix the towline. Glue the towline from pieces 54a and b as well as wire S18. Fix the finished towline to piece 45f with the help of wire S10. From properly formed pieces 47a and 47b glue the back wheels fixing. Glue the back wheels from pieces 48a-48c. After painting the wheels glue piece 48d. Put the finished wheels onto axle S11. From both side of the wire S11 roll pieces 48e and the finished wheels fix to piece 47. Glue the finished set to the wheels frame. Make from wires S12 and pieces 49a-c the front skids support, when finished glue it from the bottom to the trolleys frame in the marked space. From pieces 50a,b as well as wires S13 and S14 glue the back skids support, when ready glue it to the trolley. Glue the wings support from pieces 51-53 as well as wires S15,S16 and S17. First glue to the trolleys frame in the marked space piece 51. Next in the fixing glue wires S15 and S16. Glue to wire S15 piece 51 as well as element glued from pieces 53a-c. Fix the element to wire S15 with the help of two pieces 51 fixed from the front to piece 53a. Now glue wire S17.

In this issue we have also printed the tractor Scheuch-Schleppers model. You can use it during the build for example: mini pictures showing Sombolds towing when it is ready to start off on a transport trolley or rack off a airplane from the airstrip after its landing. The tractors and trailers numeration is different and are shown on different sheets of paper. In order to differ pieces of the Sombold with the pieces of the tractor there is a numeration using italics or thickened printing.