

PAINT THE COCKPIT KIT



- ❑ 1. Use a strip of masking tape to cover the inside of the valence panel 3/8" [9.5mm] from the aft edge so it will not get painted—this will allow for secure gluing to the instrument panel. Paint the outside and inside of the valence panel. Flat black is suggested.



- ❑ 2. Use masking tape to cover the indentations in the cockpit floor where the seats will be glued down, then paint the cockpit floor and sides. Also paint the formers in the fuselage that will not be totally concealed by the cockpit sides.



- ❑ 3. Paint the seats. Use a drop of medium CA to temporarily tack glue a balsa stick to each seat bottom. Hold the stick and rotate the seat while painting.

FINAL ASSEMBLY



- ❑ 1. Cut out and paint the **control yokes**. Drill 1/8" [3.2mm] holes through the instrument panel for the dowels, then glue in the dowels and glue on the yokes. Paint the dowels black.
- ❑ 2. Securely glue the instrument panel and the dash board into the cabin top.



- ❑ 3. Use the included elastic material to make the seatbelts. Wrap a piece of chrome Monokote® trim sheet or foil around the ends to simulate buckles.

- ❑ 4. Install the cockpit kit in the fuselage using the #2 screws.



- ❑ 5. Glue two 1/4" x 1/2" [6 x 12mm] balsa sticks to the underside of the cockpit floor where shown. This will give the floor a little more rigidity and hold it steady to reduce vibration. Guide the servo wires and air lines past former 3 so they can be connected to the wires and lines coming from the wing.

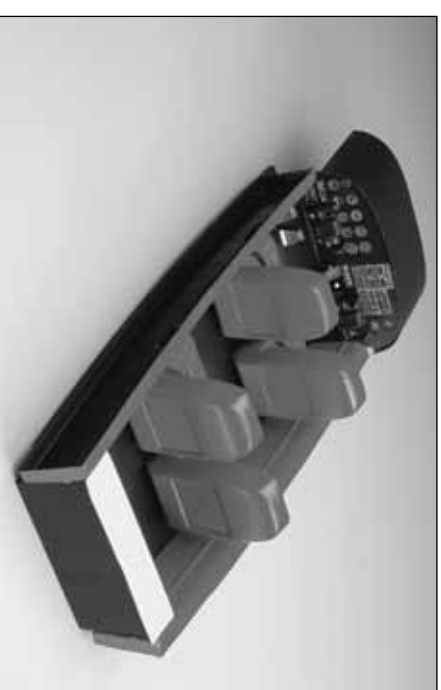
- ❑ 6. The large and small pins may be used as you prefer to simulate any control knobs or sticks seen in photos. You have of the full size cockpit.



SCALE COCKPIT KIT – ASSEMBLY INSTRUCTIONS

Thank you for purchasing the cockpit kit for the Top Flite® Piper Arrow II. Even though the cockpit kit is somewhat concealed under the completed and painted cabin top, you will still be surprised and pleased by how much more realism and "life" the completed cockpit kit will bring to your Arrow. The same as the airplane kit, the level of detail that can be achieved is up to you. Simply painting and installing the cockpit kit will achieve a good scale effect. Or, you could go "all out" and add as many details and features as you can see in a real Piper Arrow cockpit.

Caution: Do not paint the cockpit kit parts with Top Flite LustreKote®. The cockpit is vacuum-formed from styrene plastic which will be deformed by LustreKote. We found that Testors enamel paint works well for this type of plastic. Testors is not fuelproof, but this should not be a problem as the components of the cockpit should not come into contact with fuel.



PARTS LIST

These are the parts included in this kit.

- | | |
|--------------------------------------|----------------------|
| ❑ Elastic band (for seat belts) | ❑ Valence panel |
| ❑ Decal | ❑ Cabin back |
| ❑ (2) 1/8" x 1-1/4" [3 x 32mm] dowel | ❑ (4) Seat base |
| ❑ Right and left cockpit sides | ❑ (4) Bottom cushion |
| ❑ Instrument panel | ❑ (4) Seat back |
| ❑ Floor | ❑ (4) Back cushion |
| | ❑ (2) Steering Yokes |
| | ❑ (3) Small pin |
| | ❑ (3) Large pin |

ITEMS REQUIRED

These are the materials required to assemble and install the cockpit kit as shown in these instructions:

- | | |
|--|-----------------------|
| ❑ Instrument panel | ❑ Thin CA |
| ❑ Hobby knife with #11 blade | ❑ Medium CA |
| ❑ 1/16" [1.6mm] Drill | ❑ 1/8" [3.2mm] Drill |
| ❑ Sandpaper assortment | ❑ Small paint brushes |
| ❑ (20) #2 x 3/8" [9.5mm] Screws | ❑ Paint |
| ❑ 1/4" x 1/4" x 27" [6 x 6 x 700mm] Basswood or hard balsa stick | |
| ❑ 1/4" x 1/2" x 16" [6 x 13 x 410mm] Balsa stick | |
| ❑ Hobbico curved-tip, plastic-cutting scissors (HCAR00667) | |

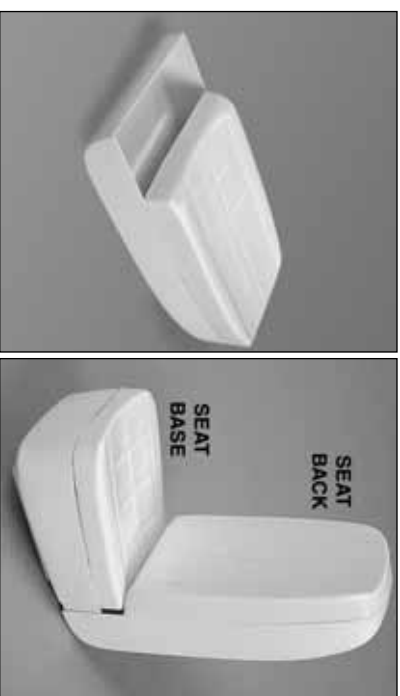
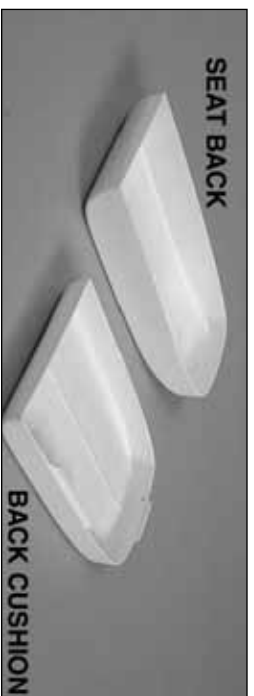
MAKE THE SEATS



- ❑ 1. Cut out one of the **seat bases** and one of the **bottom cushions**. True the edges by sanding with medium-grit sandpaper and a bar sander. **Note:** The molded-in cutlines have been drawn with an ink pen for illustration in the photo.



- ❑ 2. Use thin or medium CA to glue the bottom cushion to the seat base.



❑ 3. Cut out a seat back and a back cushion. Glue the two pieces together.

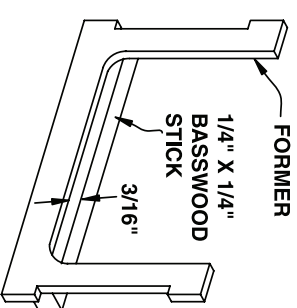
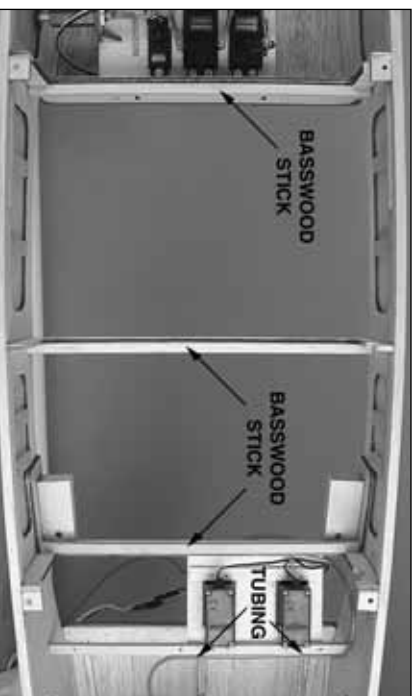
❑ 4. Glue the completed seat back to the completed seat base.

❑ 5. Make three more seats the same way—hey, aren't you glad it's not a 747?

INSTALL THE FLOOR



❑ 1. Use curved-tip plastic-cutting scissors to cut out the **cockpit floor**. After cutting, the floor should be a flat sheet with no lip around the edges. True the edges of the cockpit floor by sanding.

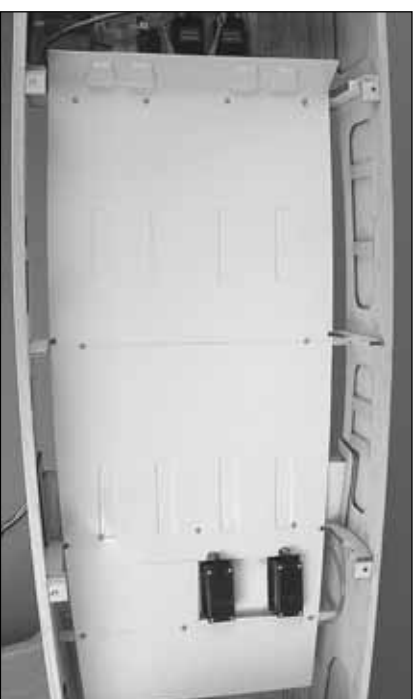


❑ 2. Glue three 1/4" x 1/4" [6 x 6mm] basswood sticks (not supplied) across the cross member portion of formers F3, F4 and F5 as shown. Note that the top edge of each stick is 3/16" [5mm] above the top edge of each cross member.

❑ 3. Glue pieces of leftover 3/16" [5mm] pushrod tubing to the aft edge of the aft servo rail to guide the air line coming from the air tank.

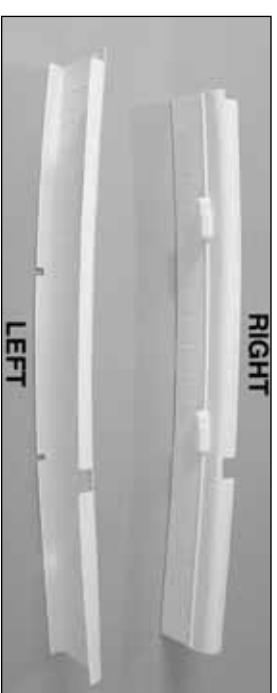
❑ 4. As indicated in the instruction manual for the Arrow airplane kit, cut notches in formers F3, 4 and 5 for the servo wires and the air lines. Also round the top of former F4 to accommodate the cockpit sides.

❑ 5. Bend the cockpit floor upward at the molded in scribe line, but use care not to break it off. Reinforce both sides of the seam with thin CA.



❑ 6. Test fit the cockpit floor into the fuselage. Cut the floor where necessary to accommodate the formers and servos. When in position, the front of the floor should be even with the front of former F3. Drill 1/16" [1.6mm] holes through floor and the 1/4" x 1/4" [6 x 6mm] sticks you glued to the formers for fastening the cockpit floor with screws. Also drill holes in aft servo rail. Install a #2 x 3/8" [9.5mm] screw into each hole as you go. Some holes will have to be drilled from the bottom of the sticks and up through the floor. Avoid drilling holes where the screws will interfere with the cockpit sides or seats.

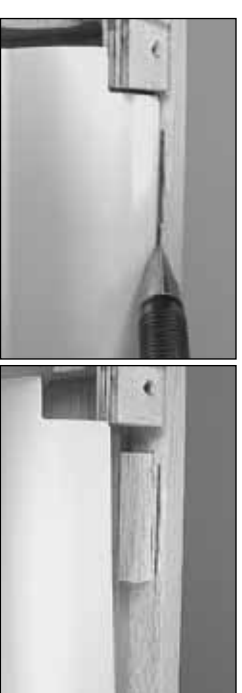
INSTALL THE SIDES AND BACK



❑ 1. Cut out the **left and right cockpit sides**. True the edges with a bar sander.

❑ 2. Test fit one, then the other cockpit side into the fuselage. Widen the notches as necessary to accommodate any formers or the canopy mounting blocks. The bottom edges of the cockpit sides should rest on the cockpit floor.

❑ 3. Once any necessary adjustments have been made to get the cockpit sides to fit, use thin CA to glue both sides to the floor.



❑ 4. Use a ballpoint pen to mark the **right main fuselage stringer** in three locations along the front, back and middle of the top of the cockpit side.

❑ 5. Glue three 1/4" x 1/4" x 1" [6 x 6 x 25mm] hardwood sticks to the stringer 1/64" [.5mm] below each line. **Note:** The top of the cockpit sides must rest approximately 3/32" [2.4mm] below the top edge of the fuselage main stringers. This will provide clearance between the screw heads and the canopy frame.

❑ 6. Repeat the previous two steps for the left side of the cockpit.

❑ 7. Drill 1/16" [1.6mm] holes through the top of the cockpit sides into the hardwood sticks. Temporarily mount the cockpit sides with six #2 x 3/8" [9.5mm] screws.



❑ 8. Cut out the **cabin back**. Test fit, then glue the aft edge of the cockpit floor to the top of the lip on the bottom of the cabin back. The same as was done for the sides, glue hardwood sticks to former F6, then drill two more holes and temporarily screw the back into position.

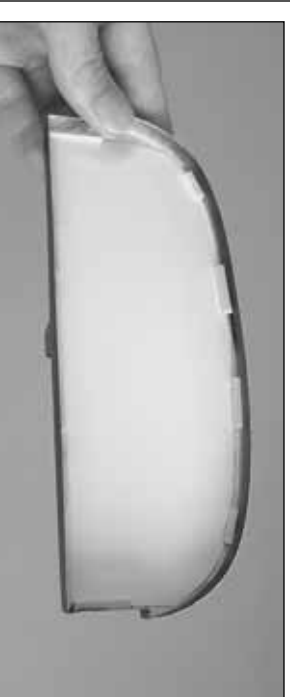
FIT THE INSTRUMENT PANEL



❑ 1. Cut out the **instrument panel**—there should be an approximately 1/8" [3mm] lip all the way around.

❑ 2. Attach the instrumentation decals using one of the following two methods:

A) Paint the instrument panel, then cut out each instrument from the decal sheet and stick it to the front of the panel.



B) Use a hobby knife and a rotary tool to cut all of the instruments from the panel. True any straight edges with a small hobby file. True circular holes with a piece of sandpaper wrapped around a dowel or a brass tube. Paint the instrument panel. After the paint dries, attach the decal sheet, intact, to a plastic sheet. Cut out the sheet, then glue it to the back of the instrument panel. Use small balsa sticks to securely hold the sheet to the back of the panel.



❑ 3. Cut out the **valence panel**. Test fit the valence panel and the instrument panel inside the cabin top. Make adjustments for a good fit, but do not glue it into the cabin top until instructed to do so.