Bates 1/8 scale B-26

Parts List

Vacuform Pieces

1 Cockpit Floor
2 Cockpit Back Wall
3 Dash
4 Dash Hood
5 Center Console
6 Pilot Seat
7 Seat Base
8 Co-Pilot Seat Base
9 Co-Pilot Seat Back
10 Intercom Control (3)
11 Filter Switch (3)
12 Radio Compass Control
13 Receiver
14 Radio Transmitter
15 Nose Floor
16 Nose Rear Wall
17 Bombsight Control
18 Nose Front Former Cover
19 Bomb Drop Lever Shelf
20 Bombardier Seat Box
21 Electrical Panel
22 Left side Co-Pilot Seat Rail
23 Right Side Co-Pilot Seat Rail

Resin Pieces

1 Water Bottle
2 Steering Wheel (2)
3 Right Hand Control Column
4 Left Hand Control Column
5 Trim Wheel
6 Bomb Drop Lever Box
7 Ammo Box

Swivel Ball

1 Ball
2 Two Flanges
3 Seven 0-64 x 1/4 Bolts
4 Seven 0-64 Nuts

Fire Extingisher

1 Body
2 4" of 16 Guage Wire
3 1/8" Sq. Plastic 1" Long
4 1/16 x 1/8 Plastic, 1" Long

50 Cal. Machine Gun

1 Body
2 Barrel
3 3/32 x 1" Alum. Rod
4 Spring Cover
5 1/4" x 3/8" Bushing x 1/4" Lg (2)
6 Ammo Guide
7 Bullets

Miscellanous Parts

1 Alum. Wire
2 1/8" Black Cord, 36" Long
3 Heater Hose, 1/4 x 8"
4 Pins, 6 small and 14 Large
5 Dash Guages
6 Computer Disc
7 1/16x 1/8 Plastic Rectangle
8 1/8 Alum. Tube 2" Long
9 1" of 3/8 Dowell
10 1/16 Alum. Tubing 8" Long
11 2-56 Nuts, 10 Each
12 Seat Cushion for Bombardier

Instructions

Thank you for purchasing this Dynamic Balsa Cockpit Kit. You will have to modify some of these parts to accommadate the landing gear but overall you should be able to hide most of it and have a great looking interior. In researching this cockpit I used "The B-26 Pilots Manual" and also a Book called "The Warbird History" but the Pilots Manual gives you the most detail about the inside. You will not need these books because of the pictures I have provided on the computer disc

you should be able to build the cockpit without any problems. We also have extra accessories available such as Side Guns Kits, Radar Dome for the bottom, and Gun Barrels and Gun Kits. If you have any questions or problems with this kit you can give us at call at 815-856-2271.

Note: I have not built the complete airplane but by looking at the plans you may be able to move the nose gear down and back alittle and that may keep it from interferring with some of the cockpit interior.

1 **Cockpit Rear Wall** - Make a pattern out of paper and you can use the former from the blueprints as a copy then lay this on top of the plastic part and cut out all of the necessary stringer notches. You should leave this wall go below the cockpit floor level just like the full scale. You should also leave the area on the top side large until you fit the bottom in then trace around the edge of the fuse and cut the plastic to fit. You will also need to cut out the center of the former where the doorway is, you can either cut out the doorway and leave a 3/16" edge around the inside or just paint it black then glue this onto the former using thick CA or epoxy. We will build the the interior of the cockpit and nose sections and then paint everything Zinc Chromate Green.

2 **Cockpit Floor-** The rear of this floor goes against the cockpit rear wall and gets cut off just behind the rivet line. You will need to line up the sliding door which is in the recess part with the back wall doorway. I made this floor extra long so it can go up along side of the retract mechanism on the pilots side. On the co-Pilots side it will get off just past the rivet line and you will have to cut around the retracts. The floor will go where it is on the plans. I ran stringers across the fuse and put a 1/8" balsa floor on which to glue the plastic to. You should cut the outside edges of this floor so they match the inside of the fuse and glue this down.

3 **The Nose Rear Wall-** Again you will have to make a pattern with the former from the plans and this wall will go on the 4th former from the nose. After you have cut this out you will have to cut and top and bottom along the center line just inside the door frame and install this in two pieces and then glue to the former. You can either cut the doorway out or just paint it black.

4 **Nose Floor-** This floor goes from inside the first former to the nose rear wall. You will have to cut a piece of balsa the shape of the nose floor and glue from the nose former to the rear wall. This should be level and you may need to put a blasa shim under the back to make it level. After you have glued the balsa in place cut out the nose floor and try to leave the edges in tact. Then glue this onto the balsa.

5 **Nose Former Cover-** Before you cut the outside of this cover trim the inside of the nose former so this cover will fit in easily. Try to make sure that the hole is evenly round then mark the top on the former with a pencil hold in place and trace around the outside the fuse with a pencil and cut the outside of this former. Depending on how you glue the nose cone on you may want to glue some tabs onto the nose former to screw or glue the nose on. You will have to cut around these before you glue the former on. You should paint this nose former and the rest of the inside of the fuse and cockpit zinc chromate green before you glue the nose former on. You may even want to glass or monocoat the fuse so you can fold the covering around the nose former and seal down and then cover it with the nose former cover.

6 **Cockpit Boxes and Radios-** Paint the boxes that are molded into the back wall flat black. Cut out and paint the radio compass control, radio receiver, transmitter, Paint these three boxes flat black, you will also need to cut the back of the guage holes off leaving 1/16" of an inch on the radio compass control. You will need to install the guages in this just like the guages in the dash. The radio compass control goes on the pilots left side, the transmitter and receiver go on the

co-pilots side. Next cut out the three intercom boxes and the filter switches and paint these boxes silver and paint the knobs and controls black. One set goes on the pilots side, one set on the co-pilots side and one set in the nose. Cut out the map case and paint this OD Green and this goes on the pilots side wall towards the back. You can use the 1/8" black cord to run cables between the guages to simmulate the wiring harnesses. You should also paint the different knobs on the radio's white or red. If you have any questions about where these guages go or what they look like you can look at the computer disc.

7 **Nose Boxes-** Paint the boxes on the back wall black and cut out and paint the bomb sight control boxes black. You will have to do the guages in the bombsight like the same as the dash guages. This bombsight goes on the right side of the airplane just forward of the doorway with the small box just forward of the large box. The intercom and filter boxes will go on the right side also. You should use some of the black cord to run from the boxes on the back wall to the wall fuse and between the boxes on the right side.

8 **Heater Outlets and Heater Hose-** One heater outlet goes in the cockpit on the right side by the co pilot seat close to the floor and the other heater outlet goes in the nose on the right side down low. The heater hose is also on the right side and glued to the right inside of the fuse and goes toward the flat glass section of the nose cone. This heater hose was used to keep the glass free of frost so that the bombsight could see thru it.

9 **Bomb Drop Lever Box-** You will need to take the plastic box shelf and cut so that it fits against the side of the fuse on the left side just behind the nose former. Paint this zinc chromate green then drill a small hole in one of the slots and take a large pin, cut a piece of 1/16 tubing 1/2" long slide over the pin, and glue this into the hole. Paint the top of this pin black and paint the bomb drop lever black.

10 **Glass Nose-** First install the ball in the nose. You will have to drill a hole in the center of the nose to fit the flange Approx. 9/16" or drill it 1/2 and carefully trim it to size with a razor knife. Because the nose is at a sharp angle you may want to put the flange on the inside and bolt it thru the plastic or you can put it on the outside and you will have to bend the edges of the flange down to match the nose piece. Once the ball is in place the ammo box will have to be screwed to the glass on the right side of the airplane just below the center line. You will have to paint this ammo box OD Green before installation. Next paint the bullets brass and paint the center black. Then cut the ammo guide the correct length to go between the ammo box and epoxy in place. You may want to use micro fibers and epoxy on the bottom side of the ammo guide to toughen it up. Now you may want to paint on the ribs for the nose cone. You may also want to consider some hardwood tabs glued to the front former of the fuse and screw the nose cone to these tabs.

11 **Steering Wheel and Control Column-** Sand and round any square edges on these pieces. Use a piece of the 1/8" tubing and make a shaft for the steering wheel. Remember there are lefts and right control columns. After you make this assembly paint it flat black and this goes against the fuse on the left and right side 1/2 way between the seat and the dash. You can either drill a hole in the bottom and put a dowel in the bottom of the control column and the floor or glue this to the floor and against the inside of the fuse.

12 **Dash-** Cut around the edge of the dash and cut the back off all the guages using a sharp razor knife leaving 1/16 of an inch depth on the holes. Paint this flat black. Next cut a piece of the clear plastic and tack glue over the back of all the guages covering all the holes. Cut out around all the guages and glue the whole paper on at the same time making sure to line up the guages with the holes. Cut a piece of 1/16 balsa and tack glue behind the guages to complete the dash assembly. You may want to paint part of this wood black. On the front of the dash you will

need to cut out the decal for the fuel control and place over the oval panel on the front of the dash. Using a piece of the plastic of the 1/16 x 1/8 plastic rectangle cut this 1/4" long to make a knob and glue on the bottom selector dial of the fuel control. You should paint this knob red. This dash is now ready to glue into the airplane and will glue onto the left side with the top of the dash being even with the top of the fuse. Keep this over to the left as far as possible, the right side had no dash so that the bombadier could enter the nose section by crawling thru on the right side.

13 **Dash Hood-** Although this airplane did not have much of a dash hood it did come over the dash alittle at the edges and up against the windshield on the top. The easiest way to do this is to tape the dash hood in the right spot and leave the excess hang over the sides of the fuse and tape down with masking tape then set the canopy on top of the fuse where it goes, mark around the edge of the canopy with a pencil and cut the dash hood just to the inside of the canopy. Paint black and glue in place.

14 **Pilots Seat-** Cut this out according to the plans diagrahm. Next cut the ends off of the seat base and cut the sides just outside the rivets and glue the pilot seat onto this base so the front of this seat is even with the front of the base. Next take the two 1/4" tubes cut 1 1/2" long and glue a piece of 1/4" wood in the end and sand out smooth and paint these Zinc Chromate Green along with the seat and base. After these have dried insert a piece of 7/32" alum. Into the 1/4" and do not paint then glue on of these on each side of the back of the seat. This is used to simmulate the seat adjustment mechanism. This seat is ready to glue in but you may want to do it last after you have finished the rest of the interior.

15 **Co-Pilot Seat-** this seat is much smaller than the pilots seat. You will need to cut out the back and the bottom and glue the two pieces together. This seat sat on two angled rails that went between the floor and the back wall. The inside rail had notches for the seat adjustment. You can paint the seat and the rails zinc chromate green, the rails should be cut approx. 4" long and angeled at the ends to match the back wall and the floor with the back of the rail being 1" off the floor, space 1 1/4" apart and then glue the seat on top of these rails. You may need to make a small braces for the front of the seat but you can make out of scrap plastic and paint green.

16 **Fire Extingisher-** Build according to the plans and glue this behind the pilot close to the left side of the fuse.

17 **Water Bottle-** Paint this silver and glue behind the pilot close to the center door.

18 **Center Console-** I made this console slightly wider than scale to cover the retracts. This should be cut off so it is 1/4" taller than the bottom of the dash. You will have to notch the top of this when you determine how far back you want this to go. You will need to glue the 10 2-56 nuts on the top of the center console as the plans show and glue a piece of 1/16" balsa under the top of the center console. You should also glue a piece of balsa under the round part of the center console and behind the lower part this is so that when you stick pins into the dash they will have something to grab. For the 6 pins on the lower rear center console cut a piece of 1/16" alum. Tube 3/8" long slide over the pins and then stick the pins in the slots. You can paint these pins black. Do the same for the 6 pins on the top of the round part and the one in the center. Cut the tubing 1/2" on these pins. For the levers on the lower part of the round center use the small pins and cut the tubing 3/8" of an inch. Paint these levers black also. After this is done you will need to glue a 3/16" long piece of 3/8" dowel on the left side and then glue the trim lever to this dowel. You should also paint the trim wheel black. After you have painted everything black you can take the alum wire flatten one end with a hammer and round with a file so that it looks like a toggle switch. Cut 1/2" long and stick into the center of the hex nuts and bend either up or down.

The Gun Ball for the Nose Machine Gun

Parts List

1. Ball
2. Two Flanges
3. Seven Screws
4. Seven Nuts

If this is a 1/8 scale you will need to cut the OD of the flanges 1 inch. If it is 1/7 scale you will need to cut the OD of the flanges 1 3/16". Next you will have to drill six holes in the flanges at 60 degrees apart. You can use the guage at the bottom of this paper. You need to cut a hole into the nose to fit the center raised part of the flange. Then insert a flange into the hole and drill out the six holes in the plastic. Put one flange on each side of the ball and bolt this assembly into the nose of the airplane. You should put lock tight on the nuts to keep them from coming off.

1/8 Martin B-26 Side Gun Pods

Parts List

1. Two Left Pods
2. Two Right Pods
3. Four 1/8" Scale Gun Barrells
4. Four Pieces of 1 1/4" sq. by 3" Long Balsa
5. Computer Disc

First cut around the bottom of the four pods approx. 1/4" from the bottom. Then cut the hole for the gun barrell 3/8" dia where marked. Glue a block of blasa in each one and sand so that the bottom of the balsa is flush with the bottom of the pod. You will need to drill a hole into the balsa in line with the hole in the pod to insert the gun barrell. The pods on the disc provided are for a B-25 but the building procedure is the same. The only difference is that the B-25 has a cover between the top and bottom pods. Install these on your airplane according to your documentation. You can either paint these along with your airplane or you can paint them before you glue them on.