



## Parts Inventory

Eight long fence boards (3 lid, 3 base, 1 front & 1 rear)  
 Two short fence boards (side panels)  
 Two 2" x 4" boards for pedestal  
 Three narrow support boards for lid  
 Four short corner posts  
 18 short screws for lid (1¼")  
 48 long screws (1½")  
 Two hinges (w/ optional brass screws)  
 Eight bolts, washers, and nuts for hinges (*to replace brass screws.*)  
 36" of nylon line  
 Two eye screws

## Tools you will need include:

Power drill  
 Power driver w/ philips head bit  
 Standard screw driver  
 Measuring tape  
 Pencil

Ratchet w/ 3/8" socket  
 and the following drill bits:  
 3/8" for bolt head divots  
 9/32" for drainage holes  
 3/16" for hinge bolts  
 3/32" for screw pilot holes



Select three long boards w/o large knot holes for the base. (Boards with large knot holes can be used for front or rear panels.) Place the 2" x 4" pedestal pieces on top of the base about two inches from each side. Center them front to back. Draw an outline in pencil so that you know where to drill the pilot holes. Then place the pedestal pieces under the base boards, using a tape measure to get them in the same location.



Use the 3/32" drill bit and the 1½" screws to fasten base boards to the pedestal. Be sure to double check your measurements to make sure the boards are precisely underneath the outline you drew on the top. At the front and rear of each pedestal, use two screws. Between these pairs of screws, a single screw at the edge of each plank is sufficient.



Next assemble the side panels using the two shorter fence boards and the four posts. (Select the most solid edge to be the bottom so that screws will hold the base to the side panels later on.) Post pieces should be flush with the side and bottom, but probably will not be flush with the top. Two 1½" screws per side will hold the posts securely. Drill pilot holes for the screws about ¾" from the top and bottom, centered over the posts.



Select two of the longer fence boards to be the front and rear panels. Don't worry if these boards have large knot holes -- they will aid in ventilation. Have a friend steady the two side panels while you line up the front panel flush with the bottom and the sides, or use a clamp to do it yourself.

**Be careful not to drill your pilot holes to intersect with the side panels' screws.** Use 1½" screws to fasten the front and rear panels to the posts 1" from each end, similar to the way you did for the side panels. Turn over and repeat for the rear panel.



Once you've assembled the four sides of the bin into a square, turn it so that the flush posts and panels are facing up. Place the base on top with the pedestal pieces facing up. Center it on all sides and then use four 1½" screws to fasten the base to the corner posts. (You can use two screws as pictured to find where to drill the pilot holes if you have thick posts.)

Then drill pilot holes for three additional screws per side about ¼" from the edges. Drive screws in carefully to avoid splitting the wood.



Assemble the lid in the same way you assembled the base. The two side supports should be set about 3" from each side so that they don't interfere with the corner posts when the lid is closed. Center the supports from front to rear. Use six 1¼" screws for each support piece (the longer 1½" screws might go through the lid supports) with two on each fence board.



Turn the lid upside down and attach the hinges to the lid with the flatter side of the hinge facing up. Bolt heads should be on the inside of the lid but on the outside of the rear panel. You'll need to use a 3/8" drill bit to create a divot in the top edge of the rear panel to accommodate the bolt heads, or else use the brass flat-head screws that came with the hinges instead of the stronger and more stable bolts and nuts.



Turn the bin on its side to hold the lid open while you tie knots in the nylon line to keep the lid from opening too far.

Drill ventilation holes in the base using a 9/32" drill bit. Be careful not to drill ventilation holes through the pedestal pieces.

Fill with bedding and worms!