

Materials List Recycling Cart

Purchase at the hardware store:

- ½ inch plywood cut 60 inches by 16 inches at the hardware store
- 5 – 8 foot 1 by 1's
- 2 – five gallon pails
- 3 – plastic dish tubs
- 24 – 2 ½ inch #6 flat head screws
- 32 – ½ inch #4 pan head screws
- 14 – 1 inch #4 flat head screws
- 8 – L brackets
- 4 – wheels and wood assembly

Tools:

- Chop saw
- Jig saw
- Electric drills and drill bits
- Measuring tape
- Speed square
- Screw drivers
- Level
- Wood glue
- Primer, paint, and brushes

Procedure:

1. Cut 1 by 1's on the chop saw:
 - a. 4 – 14" pieces (for frame)
 - b. 4 – 58" pieces (for frame)
 - c. 4 – 28" pieces (for legs)
2. Screw and glue the 14" by 58" frames together using 2 ½ #6 screws
3. Use a five gallon pail to trace a circle pattern in the plywood; cut it out with the jig saw
4. Screw and glue the plywood top to one of the frames using one inch #4 screws
5. Turn the top upside down. Screw and glue a leg inside each corner using 2 ½ inch #6 screws.
6. Secure each leg with an L bracket and ½ inch #4 pan head screws
7. Screw and glue the second frame to the mid-point of the legs
8. Secure the mid-point frame with L brackets and ½ inch #4 pan head screws
9. Attach a wheel to the bottom of each leg
10. Sand, prime, and paint