

# Train Table Instructions



After you have purchased your wood, hardware, and pulled together the required tools you are ready to build a Train Table.

The following are Step by Step Instructions that should be used along with plans found on <http://wooden-train-tables.com> .

**Step 1:** Make the wood cuts as specified for the Standard 48" x 32" x 16" Tall Train Table. On Sheet 2 of the Plans notice the quantity of each piece on the left, the required length of the pieces are shown with the sketch, and the size board it comes out of on the right. These cuts should be made within 1/32". If you do not have a miter or table saw, I recommend you have these cuts made at the Home Improvement Store. **The top should definitely be cut at the store.**

**Step 2:** Drill the holes in the table's side and end panels. Drill the 5/16" holes in each end of the 4" panels as indicated on page 3. Please note that the holes in the Long Side Panels will be 2 3/4" from the end (Figure 1), the holes in the Short End Panels will only be 1 1/2" from the end (Figure 2). By the end of this step you should have cut and drilled (2) Long Side Panels and (2) Short End Panels.

Keep in mind that a 1" x 4" board is actually 3/4" thick and 3 1/2" wide. Dimensions shown with arrows are exact.

**Step 3:** Attach supports to the Long Side Panels. Attach the 1" x 2" x 20" Long Panel Supports to both of the Long Side Panels as shown in (Figure 3). Start from the right side and put a mark 4 3/8" from the end and 1" down from the top. Lay down the first support so that the top corner starts at this point and the top surface stays 1" from the top of the panel. Screw down this support with the 1 1/4" drywall screws. Put a 1" gap between the first support and the second support. Again keep the top of the support 1" below the top of the panel. Screw Down this support.

**Step 4:** From the scrap 4" wood, cut (2) 1" wide pieces. On each of the panels, screw down this piece below the supports. (In order to keep from splitting the scrap piece while screwing, I recommend a 1/16" pilot hole in the scrap piece at each screw location.)

**Step 5:** Attach supports to the Short End Panels. Attach the 1" x 2" x 24 1/2" Short Panel Supports to both of the Short End Panels as shown in (Figure 4). Start from the right side and put a mark 3 13/16" from the right end and 1" down from the top. Lay down the support so that the top corner starts at this point and the top surface stays 1" from the top of the panel. Screw down this support with the 1 1/2" drywall screws.

**Step 6:** Drill Holes in the leg pieces. Each leg is made up of two pieces; leg piece A (Figure 5) and leg piece B (Figure 6). Drill (4) pieces per Figure A and (4) pieces per Figure B. Pencil a X as indicated on the leg piece B edge.



**Step 7:** Assemble a (Right Hand) Leg as shown in Figure 7 and in this picture. Take a Leg Piece A and lay it flat on the table with the holes closest to you and the 1 ½” dimension to the **left**. Take a Leg Piece B and run a thin bead of Wood Glue the length of Edge X. Line up the face of Piece B with the edge of Piece A as shown in Figure 7 then clamp firmly as shown in the picture. (Any style clamps will work). **Assemble (2) Right Hand Legs.**

**Step 8:** Assemble a (Left Hand) Leg as shown in Figure 8. Take a Leg Piece A and lay it flat on the table with the holes closest to you and the 1 ½” dimension to the **right**. Take a Leg Piece B and run a thin bead of Wood Glue the length of Edge X. Line up the face of Piece B with the edge of Piece A as shown in Figure 8 then clamp firmly. (Any style clamps will work).

**Assemble (2) Left Hand Legs.**

**Step 9:** Bolt the Legs to the Short End Panels. Lay a Short End Panel face down with the support face up as shown in (Figure 9). Take a Left Hand Leg and line up the holes so the other face of the leg lines up with the end of Short End Panel. Push the ¼” carriage bolt through from the other side. Slide on the washer from the top and hand tighten the nut. Go to the other side of the Short End Panel and bolt up a Right Hand Leg. Repeat for the Second Short End Panel.

**Step 10:** Add the Long Side Panels to the Assembly. Stand up (and balance) each of the Short End Panels, inside to inside, approx 4 ft apart. You should now be able to bolt on the Long Side Panels.



The corners should look like this from the outside



The corners should look like this from the inside

**Step 11:** Sanding. Now that the train table is partially assembled it becomes clear what edges and corners need to sanded. Mark these locations, disassemble the table, and start sanding with the coarse paper. The harder you work at rounding off the edges the more you and your child will appreciate it later. Once you get the edges to your liking, fine sand all the surfaces you intend on painting or staining.

**Step 12:** Paint or Stain. Any painting or staining should be done and completely cured before assembling again. If you do elect to paint, I recommend a primer coat of Kilz prior to (1) or (2) coats of Latex Epoxy. Closely follow the instructions on the containers.

**Step 13:** Reassemble the table using Steps 9 & 10. You have finally reached the easy part. Simply drop in the 1" x 2" cross support piece at the obvious location. After you have decorated the top, simply drop it into place.

**Step 14. Play**

