Night Stand Assembly Instructions

Step 1

Collect all the pieces and parts that you will need to assemble your table.

You need the following Night Stand parts:

A1—1 Night Stand Top (16½” x 24”)
A2—1 Night Stand Shelf (12½” x 20”)
B—2 Short Frame Rails (3½” x 14¼”)
C—2 Long Frame Rails (3½” x 22¼”)
D—4 Table Legs (23¼” long, tapered, 90° angle)
D2—2 Shelf Aligner Blocks (2” x ¾” x ¾”)
E—8 Bolts (2” long)
F—8 Nuts
G—16 Washers
H—4 L-Brackets, with 2 screws each
J—8 Screws (Phillips head)

You also need the following Tools:

J—8 Squeeze Clamps
K—1 Drill
L—1 1/4” Drill Bit (for bolt holes)
M—1 7/64” Drill Bit (for L-bracket screw holes)
N—2 Wrenches (for tightening bolts/nuts)
P—1 Screw-Driven (Phillips head)
Q—1 small Hammer (for tapping in bolts)

Note—When working in larger groups, some tools may need to be shared.
Step 2

Note - If your 4 Night Stand Legs already have the Shelf Blocks attached, skip this step and proceed to Step 3.

Before beginning other assembly steps, glue a Shelf Block into position on each of the 4 Night Stand Legs. It is important to do this first so that the glue can dry before you need to attach the Shelf at the end of the assembly process.

Place the “shelf block aligner” on the Night Stand Leg, flush with the narrow end of the leg, as shown in the picture above. Be sure the “90° corner” side is in the corner as shown, and that the wider end marked “top” is near the middle of the Night Stand Leg.

Next, place a small bead of glue along 1 side of the Shelf Block, and place it at the “top” end of the “shelf block aligner”, as shown in the picture above. Press down firmly, taking care not to let the Shelf Block slide out of position. It is important that the Shelf Block is attached squarely against the top of the “shelf block aligner”, so that the Shelf can later be glued securely to the 4 Shelf Blocks.

Using great care, use the Air Nailer to nail a brad nail into the Shelf Block, so that it stays in position while the glue dries.
Step 3
Take the **Night Stand Top (A)**, and place it on a work table.

Be sure to place the good side **down** and the bad side **up**.

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Step 4
Take 2 **Long Night Stand Frame Rails (B)**, and 2 **Short Night Stand Frame Rails (C)**, and place them in a rectangular pattern on the **Table Top**.

Refer to Step 4 for proper placement.

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Step 5
Make sure that each of the **Frame Rail** pieces is shifted to its right as you face its side of the **Night Stand**, as shown to the left.

This is very important to ensure proper **Frame** alignment with the **Night Stand Top**.

It also helps provide proper **Frame** strength and squareness.
Step 6

Align the Frame so that there is about a 1" margin on all 4 sides of the Table Top. Once aligned, the Frame needs to be fastened into place.

In fastening the Frame to the Table Top, be sure to hold the Frame Rails firmly against the Table Top.

Failure to fasten the Frame snugly to the Table Top will result in wobbly Table Legs.
**Step 7**

Begin by fastening one of the **Long Rails** to the table top. Choose of the **Long Rails’ L-Brackets (H)**, and drill a small hole near the top of the screw hole against the **Table Top**. **Do NOT** drill all the way through!

Before drilling the next **L-Bracket’s** hole, insert and tighten a screw into the hole that you just drilled.

Now complete this drill and screw process for the other **L-Bracket** on the **Rail**.

Use this drill and screw process to attach one of the **Short Rails** to the **Table Top**. Make sure the corner joint of the **Long and Short Rail** is flush and tight in all directions.

**Step 8**

Use the **Smaller Drill Bit (M)** to drill a small hole about ⅜” from the top of the **Long Rail**, as shown by the red dot here. Then, insert and tighten a **Long Screw (J)** into the hole that you just drilled.

Continue steps 8 and 9 for the remaining 3 corners.

The **Frame** should now be assembled and firmly attached to the **Table Top**.
Step 9

Take 4 tapered, 90° Night Stand Legs (D), and place one inside each corner of the Frame Rail rectangle.

Be sure to place the wider end of the Leg down against the Night Stand Top and the narrower end up.

Using 1 Squeeze Clamp (J) on each side (2 clamps for each Leg, 8 total), clamp each Leg to each side of the Frame Rail.

Make sure the corner joint is flush and tight in all directions. It will be necessary to force final alignment after the clamps are in place.

Step 10

Carefully mark 3 holes for drilling, with a pen or marker, at the corner of each of the 2 Frame Rails (3 holes for each Table Leg).

Take note that the 2 Night Stand Leg holes on each side must be in far enough from the edge of the leg and the corner of the rails to provide a strong assembly. Holes that are too close to the edge of the leg will be subject to leg breakage under leg pressure, and holes too close to the corner will not allow for effective bolt and nut fastening.

The drawing show optimum hole placement. The single hole goes on the short rail side!

Step 11

Drill each hole with the 1/4” drill bit. These holes are for the Bolts that will fasten the Night Stand Legs to the Frame. Be sure to hold the drill as vertically level and horizontally square as possible.

Take care to hold the Frame and Night Stand Leg securely while drilling (to maintain alignment).

After drilling each hole, insert a Bolt (E) (with a Washer (G) on the Bolt head side) into the hole. This will keep the Frame Rail piece from moving while you drill the 2nd hole. (You may need to tap it in with a small hammer.)
Step 12

After all 3 holes are drilled and **Bolts** with **Washers** inserted, add a 2nd **Washer** on the inside of the **Frame** and screw a **Nut** on by hand.

Continue steps 5, 6 and 7 for all 4 **Night Stand Legs**.

Once all **Bolts** / **Washers** / **Nuts** are in place and hand-tightened, use 2 Wrenches (one inside and one outside) to tighten all **Bolts** / **Nuts** for the 4 **Night Stand Legs**. Tighten securely, but take care not to damage the wood.
Step 13

Place the Night Stand in an upright position, as it would sit if in use.

Take the **Night Stand Shelf** and orient it so that the length and width are aligned in the same direction as the **Night Stand Top**.

Insert the **Night Stand Shelf** at an angle in between the Legs, and lift it above the **Shelf Aligners**. Now twist it so that it is level with the Night Stand Top, and carefully lower it onto the **Shelf Aligners**. Apply a small amount of pressure to let it seat firmly in place atop the Shelf Blocks.

Using the 5/64" drill bit, drill one hole through the side of each Leg, taking care to keep your drill level so that your hole does not come through the **Shelf surface**.
Assembly of your Night Stand is now complete, and it is ready for sanding and painting.

For sanding and painting, we recommend setting the Night Stand upside down on top of the work table, with the Legs in the air.

Sanding – Sand all corner edges on all exposed surfaces, to create softer corners and to prevent injury. Wipe off excess saw dust with a cloth before painting.

Painting – Some surfaces of your completed Night Stand may have a woodgrain or white laminate finish and do not need painting.

For unfinished surfaces on the outside of the Night Stand, use a brush and/or roller to apply paint. Apply generously, but avoid running / drips. For exposed / sawn edges, cover as thoroughly as possible, as the surface will be somewhat rough and porous.

There is no need to paint the underside of the Night Stand Top or the inside of the Frame Rails, but do paint the inside of the Night Stand Legs.