

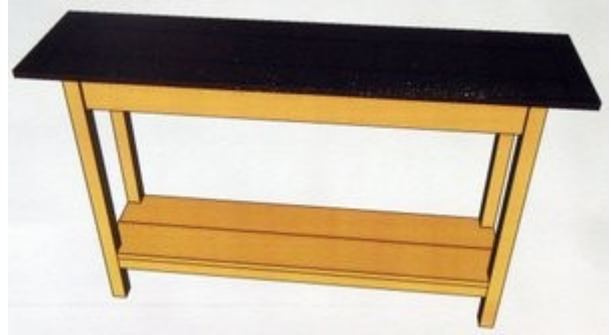
BEN'S COUNTRY WOODSHOP

SOFA TABLE WITH SHELF

This table is made with standard size lumber including 2x2s for legs.

The order of assembly of the table base is important. The shelf section is flush to both the legs and the shelf supports, so has to be as exact as possible.

The aprons are offset from the edge of the legs, so, if you need to do a bit of adjusting, it is better to do it with the aprons. It will be less noticeable.



Making the Table Top

Cut from a 1x6 the center board for your table top. This piece will be 45 3/4" long and 5 1/2" wide.

Drill 2 pocket holes, using the 3/4" setting for both your pocket hole jig, and your Kreg drill bit, at each end where the center board will be attached to the table top ends



Cut 2 top side pieces from 1x4s. Each will be 45 3/4" long and 3 1/2" wide.

Drill 2 pocket holes at each end where the side boards will be attached to the table top ends.

Drill 7 pocket holes on the inside edge, where each side board will be attached to the center board.



Cut 2 table top end pieces from 1x3s. Each piece will be 12 1/2" long by 2 1/4" wide.

There are no pocket holes in the end pieces.



The next step is to drive the pocket hole screws to join the table top pieces. Lay the center board on a flat surface, and clamp in place. Align a side board against the long edge, and drive the pocket hole screws. Repeat for the other side.

You may want to plane or sand the table top smooth before adding the ends. Then, lay the table end on a flat surface, and clamp in place. Align the main part of the top with one end and drive the pocket hole screws.

Repeat for the other end.



Making the Shelf

From a 1x6 cut 2 shelf pieces. Each piece will be 43" long and 5" wide.

Cut a 1 1/2" by 1 1/2" notch from the outside corners to fit around the table legs.

Drill 7 pocket holes on one shelf board. Lay the other shelf board on a flat surface and clamp in place. Align the piece with pocket holes, and drive the pocket hole screws to create the joint.



Making the Table Base

Cut 2 long aprons from 1x6s. Each apron will be 40" long and 4" wide.

Drill 2 pocket holes on each end where the apron will be attached to the leg.

Drill 4 pocket holes on the top where the apron will be attached to the table top.

DO NOT put a pocket hole right at the center as shown in the photo! This will conflict with the pocket hole screw you put at the center in the table top.



Cut 2 short aprons from 1x6s. Each will be 7" long and 4" wide.

Drill 2 pocket holes on each end where the apron will be attached to the leg.

Drill 2 pocket holes on the top where the apron will be attached to the table top.



Cut your 4 table legs from 1x2s. Each will be 29 3/8" long.

There are no pocket holes in the legs.



Next cut your 2 long shelf supports from 2x2s. Each will be 40" long.

Drill a pocket hole, using 1 1/2" settings for both your pocket hole jig and your Kreg drill bit, at each end where the support will be attached to the table leg.

Eventually you will be using wood screws to attach the shelf. You can drill the holes for those screws now.

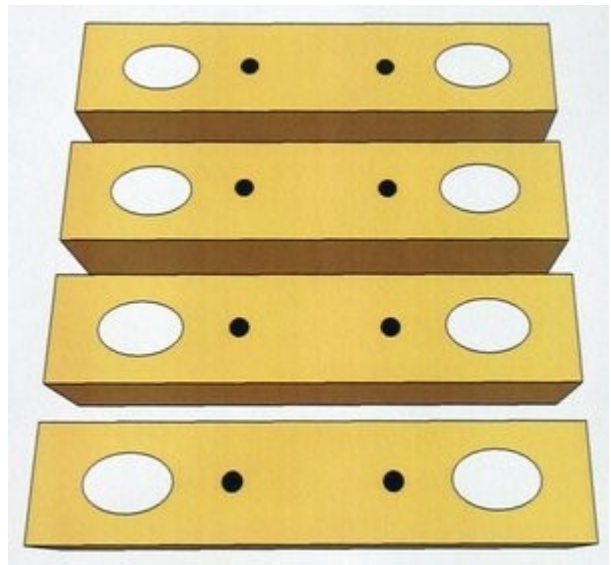


The next step is to cut the 4 short shelf supports from 2x2s. Each will be 7" long.

Drill a pocket hole at each end. Two of the shelf supports will attach to the legs, and two will attach to the long shelf supports.

Drill 2 holes for wood screws to attach the shelf. One of the wood screws will go into each board of your shelf.

DO NOT put a wood screw in the center! That is where the joint for your shelf pieces is located, and could cause your shelf to split!



The next step is to create a couple of very simple woodworking jigs.

The first is a spacing jig, which will save you time AND make the apron offsets more accurate. Find a piece of scrap wood that is 3/8" thick. It can be up to 7" wide, and should be 15" or so long. You will put this under each apron as you are attaching it

The second is a measuring jig, which will save you time AND make the height of your shelf consistent on all 4 table legs. Simple cut a piece of wood (i.e. a 2x2) 4 3/4" long. Use this to mark the 8 locations where the shelf supports will be attached to the legs.



Lay one of your legs on a flat surface, and clamp in place. Lay your spacing jig next to it, and then a short apron on top of the spacing jig. Align the apron with the top of the leg, and drive your 1 1/4" pocket screws.

Repeat for the other side.

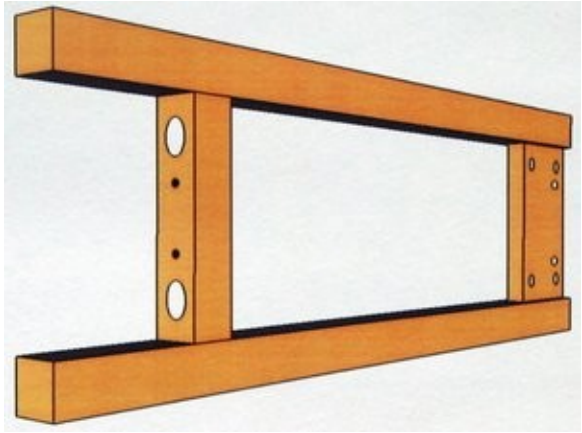
Make the second side to match the first.



The next step is to attach the short shelf support to that side. The bottom of the shelf support will be 4 3/4" from the bottom of your table leg. Use your measuring jig to mark that location on each of your legs.

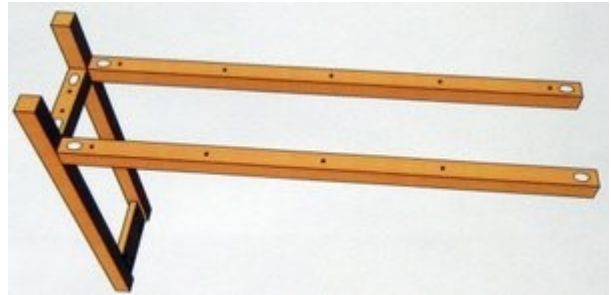
Clamp in place and drive the 2 1/2" pocket hole screws on both sides.

Repeat for your other side piece.



The next step is to attach the long shelf supports to the sides. Lay one long shelf support on a flat surface. Align one of the side pieces so that the shelf support is 4 3/4" from the bottom of the leg. Again, use your 4 3/4" measuring jig to get the right location! Clamp in place, and drive the 2 1/2" pocket hole screws.

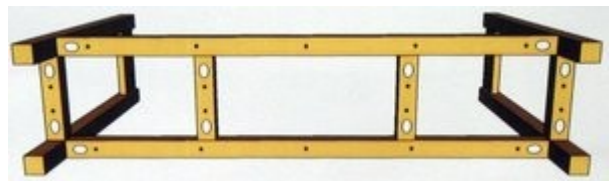
Lay the other long shelf support on a flat surface, and repeat the process.



Repeat the process to attach your second side to the long shelf supports.



Now add the other 2 short shelf supports between the long shelf supports. We placed ours 11" from each end. Clamp in place and drive the 2 1/2" pocket hole screws.



Place your shelf on the top of the shelf supports. You may have to do some sanding on the corner cutouts of the shelf to get it to fit around the legs.

Once you get it to fit, clamp it into place, and drive the wood screws from the shelf supports into the shelf.



Attaching the long aprons is next. Lay your spacing jig on a flat surface with one of your long aprons on top of it. Align the side of your table base to the apron, clamp in place and drive the 1 1/4" pocket hole screws from the apron to the leg.

Repeat to attach the apron to the other side of your table base.



Lay the other long apron on the flat surface with the spacing jig underneath it. Flip your table base over, and align the apron with the top of the leg. Clamp in place and drive the 1 1/4" pocket hole screws.

Repeat to attach the apron to the other side of your table base.

Your table base is now complete.



Attaching the Table Base to the Table Top

Lay your table top on a flat surface. Using a pencil, mark where the corners of your table base will sit on the table top.

For this plan, each corner will be 3 9/16" from the end, and 1 3/16" from the side.

Align your table base with the marks, and clamp into place. Then drive the 1 1/4" pocket screws on all 4 sides.

Congratulations! With this step your table is now complete.



For ideas about finishing your table, visit www.start-with-free-woodworking-plans.com and click on the "Finishing Plans" category.

You can print the pdf for these tables at <http://www.start-with-free-woodworking-plans.com/sofa-table-plans-shelf.html>