

DIY SOFA



DIFFICULTY LEVEL: INTERMEDIATE

TOOLS

REQUIRED

BISCUIT JOINER KIT

18V DRILL

18V RANDOM ORBIT SANDER

10 IN. COMPOUND MITER SAW

18V 6 1/2 IN. CIRCULAR SAW

ADDITIONAL REQUIRED ITEMS

Tape Measure

Pencil

Square

Safety Glasses

Hearing Protection

120 + 220 Grit Sandpaper

Clamps

Sofa Cushions

Rag

Danish Oil

PURCHASE LIST:

(5) 8' Long 2×10s of Construction Lumber

(2) 8' Long 2×3s of Construction Lumber

(4) 8' Long 2×4s of Construction Lumber

3" Screws

2.5" Screws

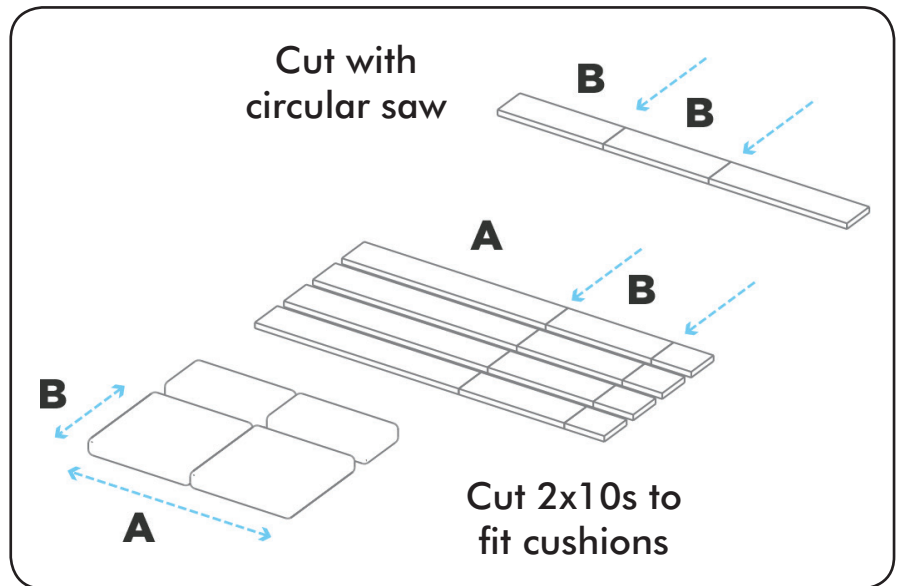
#10 Biscuits

ASSEMBLY:

1

CUT 2 X 10s

Using a tape measure and pencil, measure, mark the 2x10s, 2x4s and 2x3s into the lengths shown in the diagram and cut with a compound miter saw.



2

SAND THE 2 X 10s

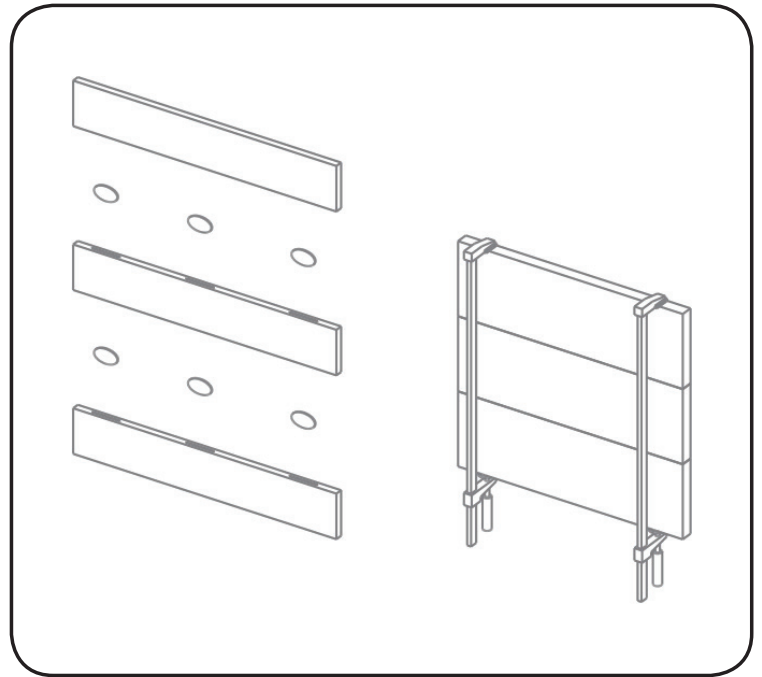
Give the cut pieces a light sanding before assembling them. Using the orbital sander, and start with 120-grit sandpaper followed by the 220-grit sandpaper. I like to round the edges over a bit with the orbital sander so that the pieces look more distinct and the panels less flat.



3

ASSEMBLE PANELS

Lay out three pieces of 2×10s to make each panel. Mark three evenly spaced points along the edges of the boards to serve as a target for the biscuit jointer. Use the biscuit jointer to cut notches in the 2×10s. Insert glue in the notches and then place a glue-covered biscuit in the notches. Use the pipe clamps to clamp the boards together while the glue dries.



4

ASSEMBLE PANELS

Screw on 2x3 ledges. I screwed on pieces of 2x3 to the 2x10 panels. I aligned the 2x3s to the top edge of the first 2x10.

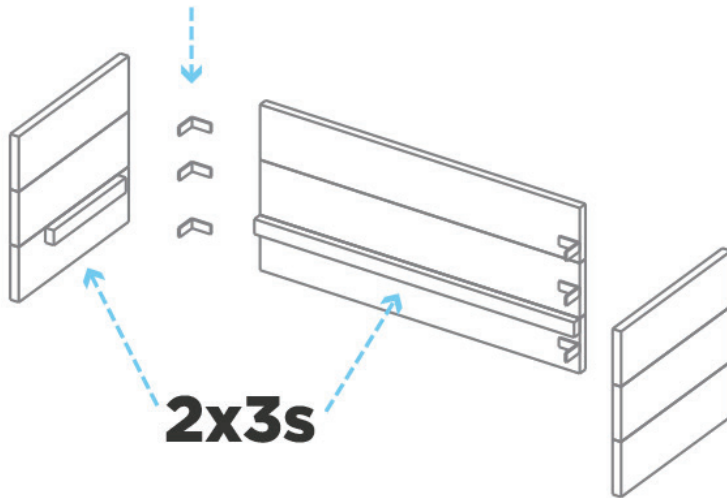


5

CONNECT THE PANELS

Use screws and L-brackets to connect the three panels.

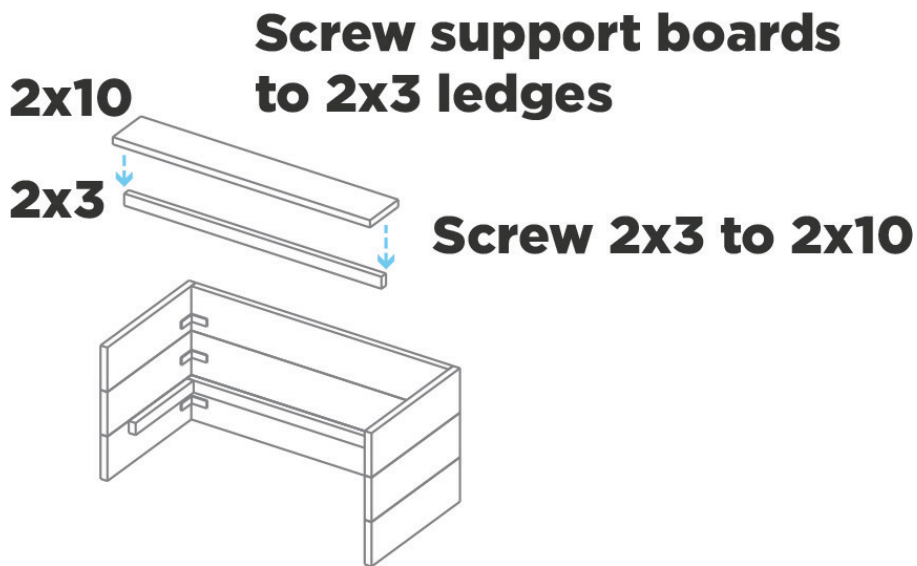
L-brackets



6

ASSEMBLE FRONT SUPPORT BOARD

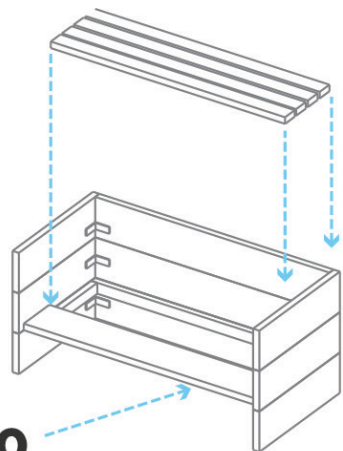
Use a piece of 2x10 for the front support board and screw a piece of 2x3 down the center of it. Drive 3 ½" screws through the 2x3 and into the 2x10. Flip it over and drive screws through the 2x10 and into the 2x3.



7

SCREW SUPPORT BOARDS TO LEDGES

Screw the support boards to the 2x3s ledges that are attached to the panels. 2x4s, 2x6s, or 2x8s would all work just fine for support boards.



**Screw 2x10
to 2x3 ledges**

**Screw down additional
support boards
to 2x3 ledges**



8

ADD CUSHIONS AND FINISH

Add cushions and enjoy!



HELPFUL HINT

Finish the frame with a coat of Danish oil.