

MODERN COFFEE TABLE



With its clean lines and striking geometry, this coffee table will lend iconic midcentury modern style to any living space. And you can build it yourself with Rockler's innovative Cross Lap Jig.

BUILD

Stock #	Item
30922	Walnut, 3/4" x 5" x 48"
38334	Maple, 3/4" x 3" x 48"
56372	Rockler Cross Lap Jig
28647	#6 x 1 1/4" Square X Drive Screws
28654	#6 x 1 1/2" Square X Drive Screws
36795	Watco Danish Oil, Natural
26924	Black TransTint® Dye
81180	Behlen Top Coat Lacquer, Gloss

All items subject to changes in availability.

CUSTOMIZE

Stock #	Item
48624	16" I-Semble Hairpin Table Legs

Select alternate wood species.

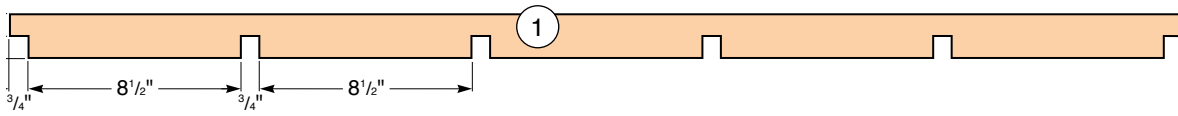
QUESTIONS?
Go to www.rockler.com
or call 800-279-4441

 **ROCKLER**
WOODWORKING AND HARDWARE

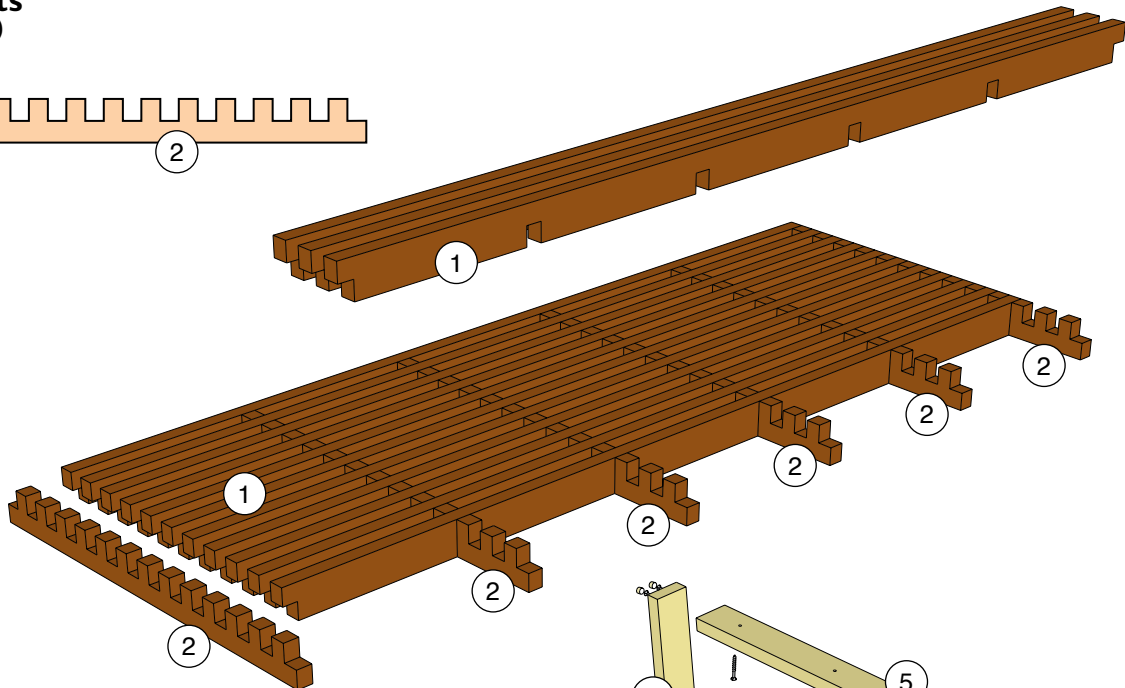
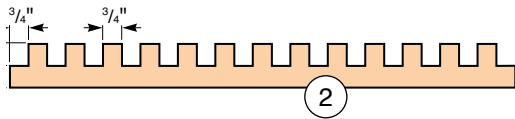
Create with Confidence™

MODERN COFFEE TABLE PARTS

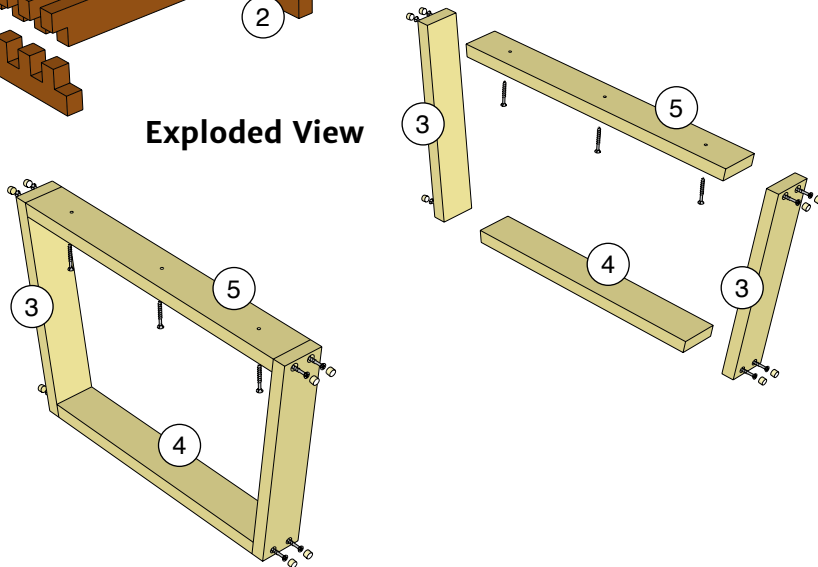
Long Slats (Front View)



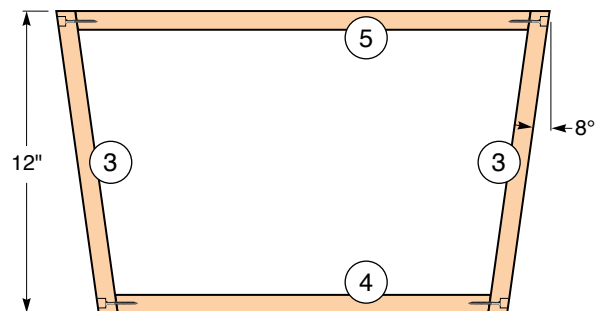
Short Slats (Front View)



Exploded View



Leg Assembly (Front View)



MATERIAL LIST

	T x W x L
1 Long Slats (14)	$3/4'' \times 1 3/4'' \times 47''$
2 Short Slats (6)	$3/4'' \times 1 3/4'' \times 20 1/4''$
3 Legs (4)	$3/4'' \times 2 1/4'' \times 12 1/4''$
4 Lower Leg Brackets (2)	$3/4'' \times 2 1/4'' \times 15 1/8''$
5 Upper Leg Brackets (2)	$3/4'' \times 2 1/4'' \times 18 1/4''$

1. CUT AND PREFINISH SLATS



Cut the Long and Short Slats to size. It is important to mill the slats to exactly the same thickness because you will be setting up the Cross Lap Jig and the table saw dado set to match the thickness of the slats. Cut the slats a couple inches longer than their final length. Sand the slats and apply a coat of Danish oil. (You want to prefinish the slats now because it is more difficult to evenly apply the finish to all of the inside intersections of the cross lap joints after the top is assembled.)

2. SET UP SAW AND MAKE TEST CUTS



Install a dado set in your table saw. Set the width of the dado set to match the thickness of your workpieces. Set the height at 7/8". Make test cuts on scrap pieces to test the fit of the cross lap joint. Adjust the dado height and width if the joint is not fitting properly.

3. CUT END NOTCHES IN SLATS



All slats require a notch cut flush with the very end at one end. Clamp a stop block to a miter gauge to position the slats to cut the end notches on all slats.

4. SET INDEXING KEYS ON CROSS LAP JIG



The rest of the cross lap notches are cut using the Cross Lap Jig. Set the width of the jig's indexing keys to match the thickness of the slats.

5. SET JIG FENCE FOR LONG SLATS



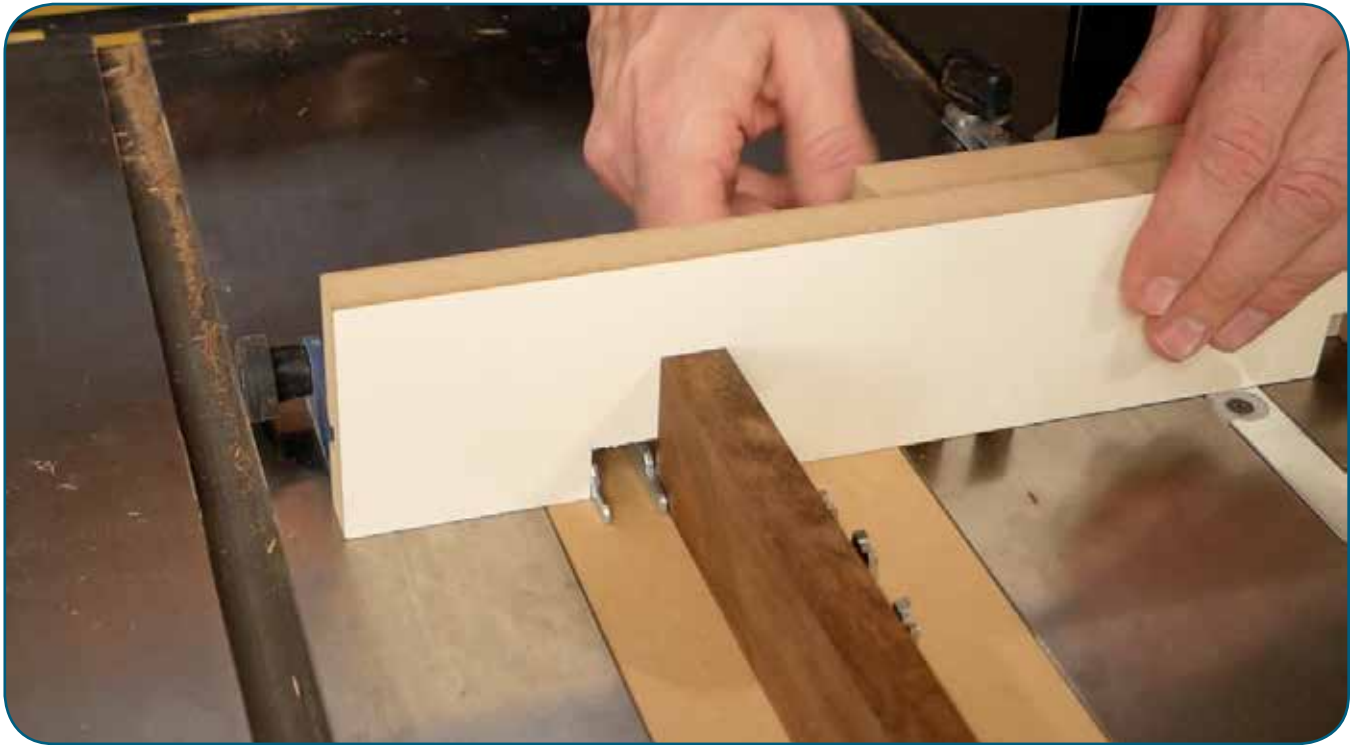
To set up to cut the second and subsequent notches on the 14 Long Slats, adjust the jig fence so that the inside edge of the indexing keys is 8½" from the edge of the dado set.

6. CUT NOTCHES IN LONG SLATS



Position the first notch of one of the Long Slats over the indexing keys and cut the second notch. Continue to reposition each notch over the Indexing Keys and cut the remaining notches. Each Long Slat gets a total of six cross lap notches (including the first notch).

7. SET JIG FENCE FOR SHORT SLATS



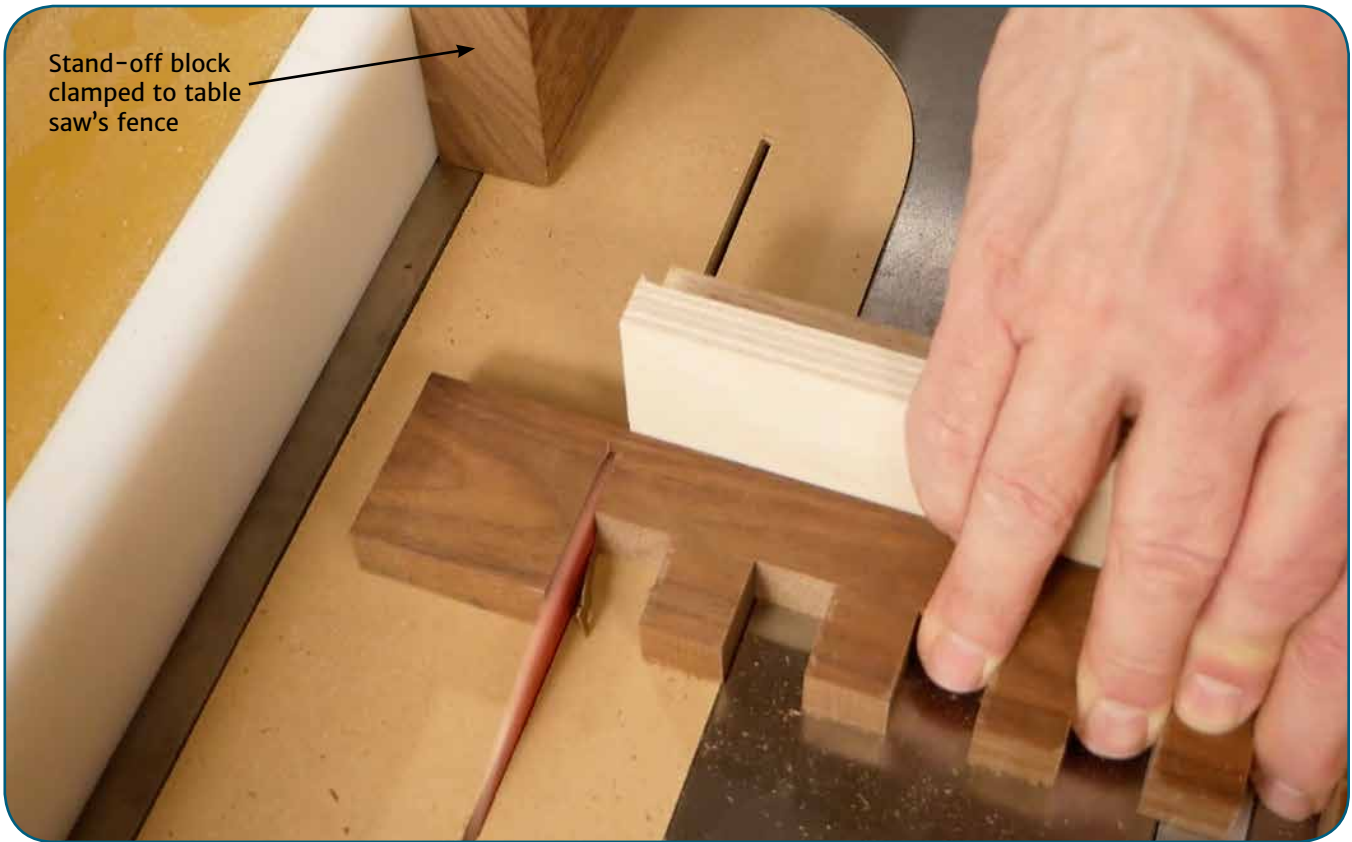
Reposition the jig fence to cut the notches in the Short Slats. Leave the dado set at the same height. Use one of the slats as a gauge to adjust the distance between the indexing keys and dado set to match the width of the slats.

8. CUT NOTCHES IN SHORT SLATS



Position the first notch of one of the Short Slats over the indexing keys and cut the second notch. Continue to reposition each notch over the indexing keys and cut the remaining notches. Each Short Slat gets a total of 14 cross lap notches (including the first notch).

9. TRIM EXCESS LENGTH FROM SLATS



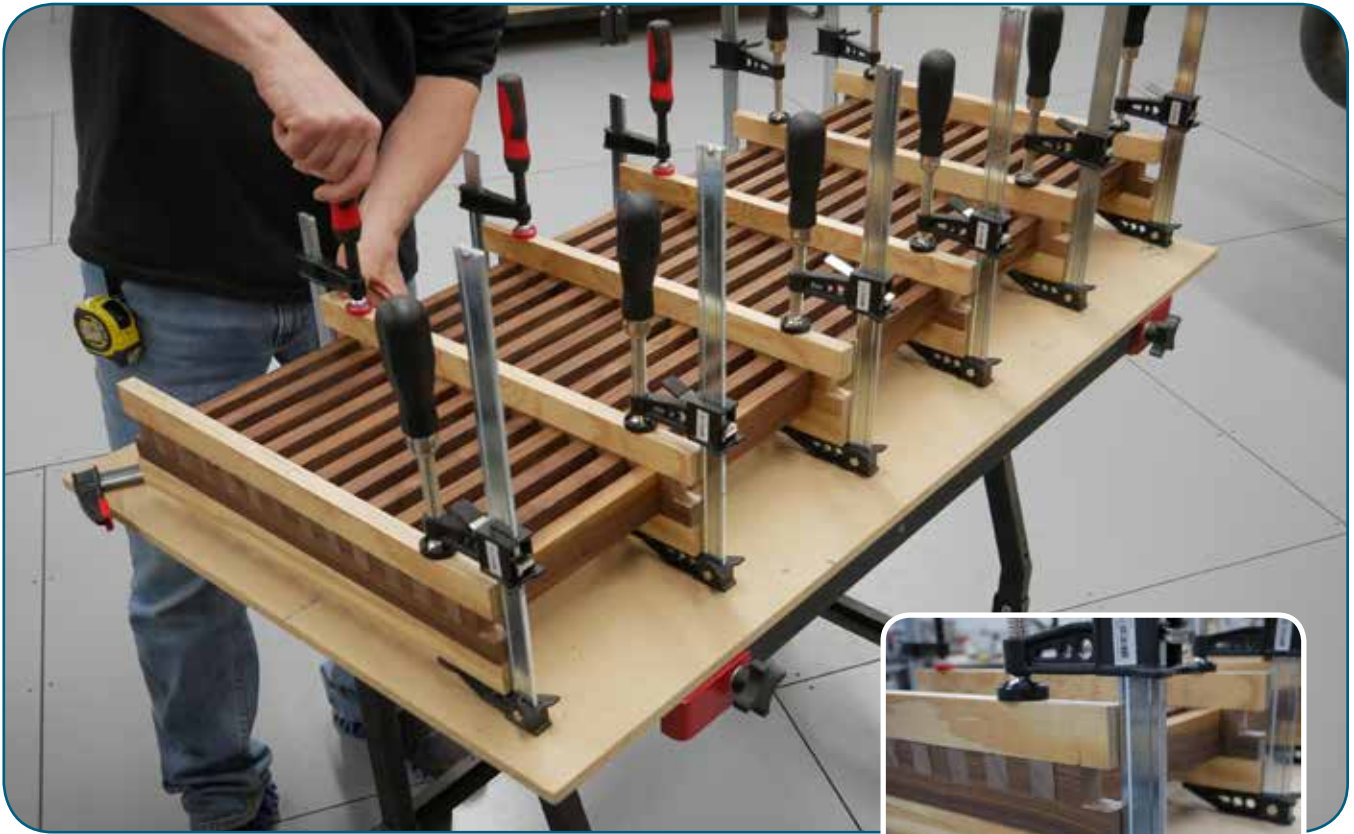
Trim the excess length off of all slats. Clamp a stand-off block to the fence a few inches in front of the blade. Next, position the fence and stand-off block so that the blade is lined up to cut flush with the edge of the last notch.

10. POSITION SLATS FOR GLUE-UP



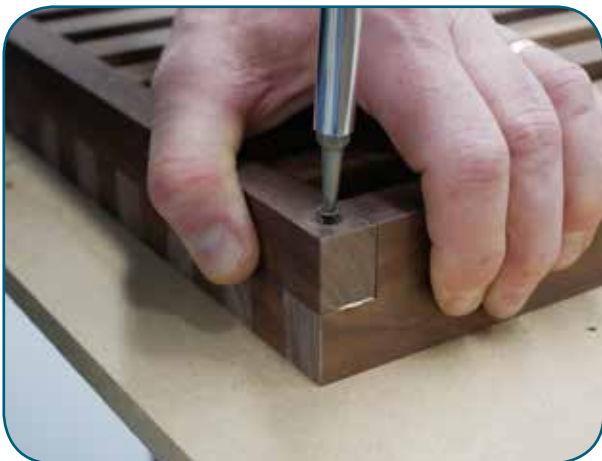
Lay out the Short Slats on the bench with their notches up. Apply glue to the bottom of the notches. Then place each inside Long Slat over the Short Slats, carefully aligning the notches. Do not attach the outer Long Slats at this point.

11. CLAMP THE ASSEMBLY



Clamp the Long and Short Slats together, using battens to distribute the pressure across all of the cross lap joints. The bottom edge of the battens is sanded to create a slight convex arc. The middle of the batten makes contact, and the clamps press down on the outside edges.

12. ATTACH OUTER LONG SLATS



The outer Long Slats are the most vulnerable to detaching, so these slats are glued on and the joints are reinforced with screws. Apply glue to the notches and fit the outer Long Slats onto the Short Slats. To avoid splitting the wood, drill pilot holes and countersinks for #6 x 1-1/4" screws into each cross lap joint on the outer Long Slats and secure the slats with the screws.

13. SAND AND FINISH



After the glue has cured, remove the clamps and sand the surfaces flush. Apply Danish oil to any surfaces that are unfinished.

14. BUILD THE LEGS



Cut the leg parts to size. Drill counterbores and pilot holes for #8 x 1 1/2" screws at connection points. Assemble the legs with glue and screws. Conceal the screw holes with wood plugs.

13. APPLY DYE STAIN



Dye the legs black with dye stain. We used an alcohol-based stain. Apply a topcoat after the stain is dry.

14. ATTACH LEGS TO TOP

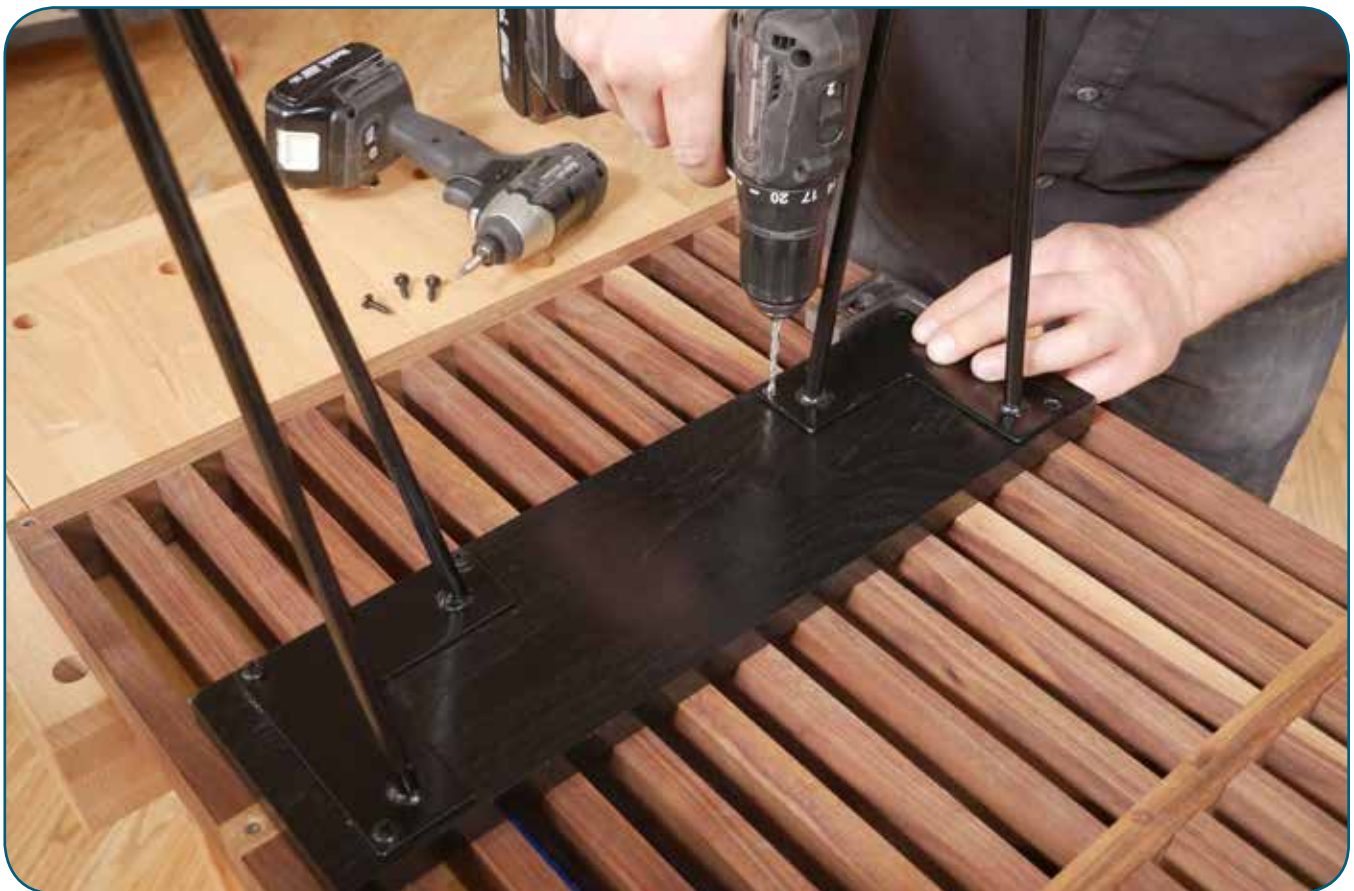


Position the leg assemblies as shown and drill countersinks and pilot holes for #8 x 1 1/2" screws. Attach the leg assemblies to the table top with the screws.

VARIATION ON A THEME



Pair the top with a set of
16" I-Semble Hairpin Table Legs
(48624, sold separately) for a
different look



Cut and sand a wood cleat. Color it black with dye stain and apply a topcoat after the stain is dry. Attach the cleat to the top, and screw the I-Semble Hairpin Table Legs to the cleat with the screws included with the hardware.