



# PROJECT PLANS

## COMPACT COAT RACK

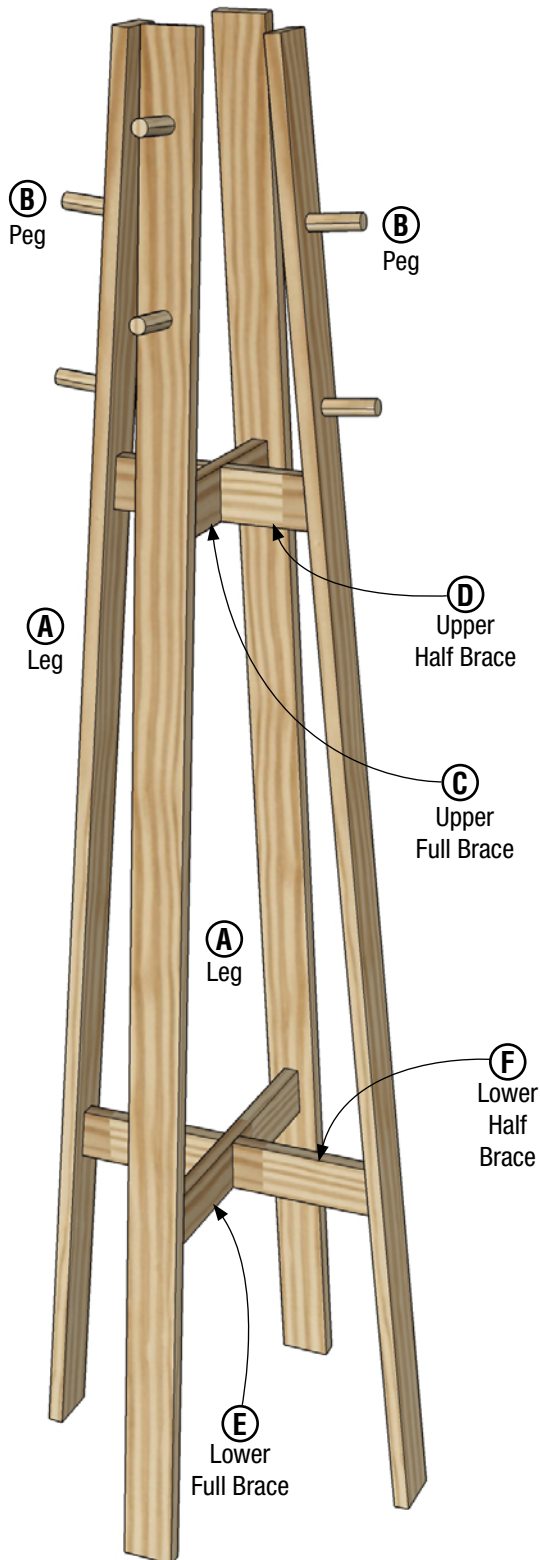
Not everyone has space for a mudroom, but everyone does need a place to hang coats and hats when they come in the door. With this coat rack, you'll get that hanging space without taking up floor space. At less than 2-feet wide and 6-feet tall, its compact size makes it easy to fit almost anywhere.

This coat rack works as great as it looks, too. The simple lines can fit into modern or traditional environments with ease. Plus, you'll find the rack very easy to build. In fact, all you'll need are four 1x3 boards, a dowel, and a few basic tools. We'll take you through the process step by step.



## Safety:

Attention: Almost any do-it-yourself project involves risk of some sort. Your tools, materials, and skills will vary, as will the conditions at your project site. Kreg Tool Company ("Kreg") has made every effort to be complete and accurate in the instructions and other content contained in this document. However, Kreg will not assume any responsibility or liability for damages or losses sustained or incurred in the course of your project or in the use of the item you create. Always follow the manufacturer's operating instructions in the use of tools, check and follow your local building codes, and observe all commonly accepted safety precautions. We strive to be accurate, but reserve the right to correct any errors.



## Materials:

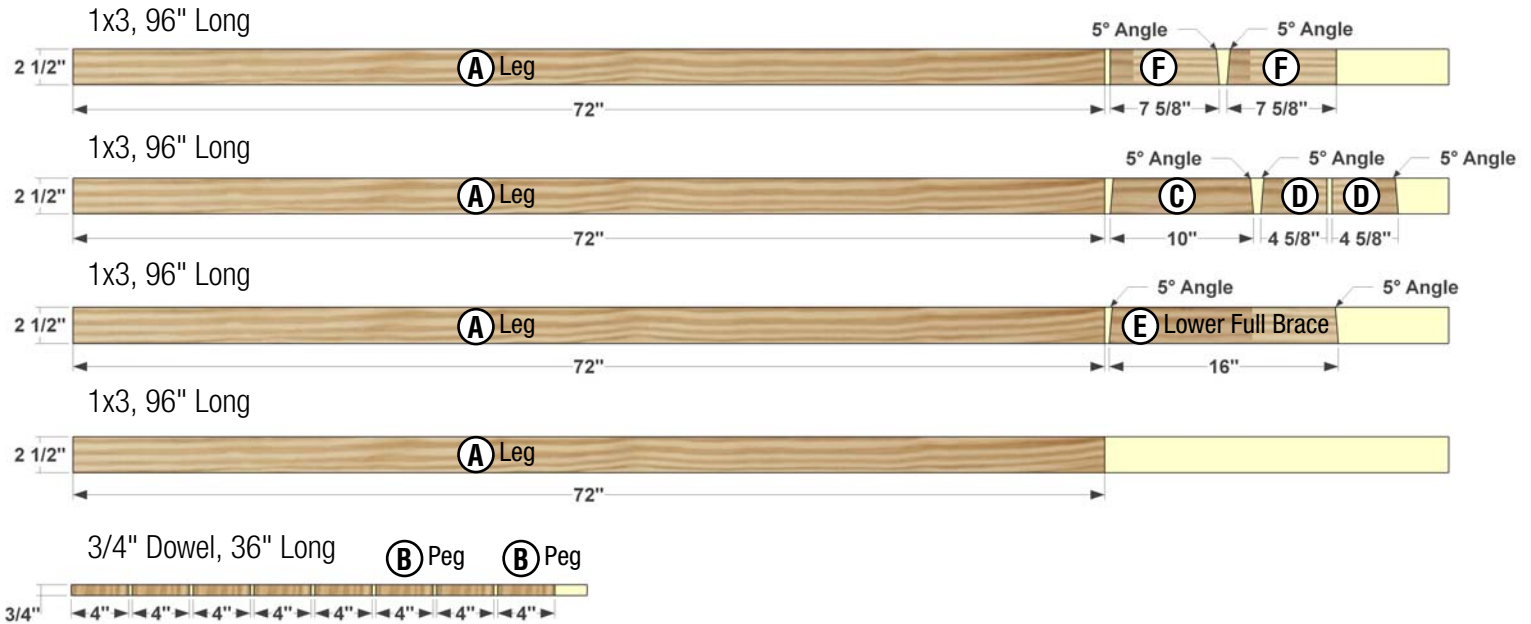
Qty	Description
(4)	96"-long 1 x 3 Oak or Poplar Boards
(1)	36"-long 3/4"-Diameter Oak Dowel
(24)	1-1/4" Fine-Thread Kreg Pocket-Hole Screws

## Tools:

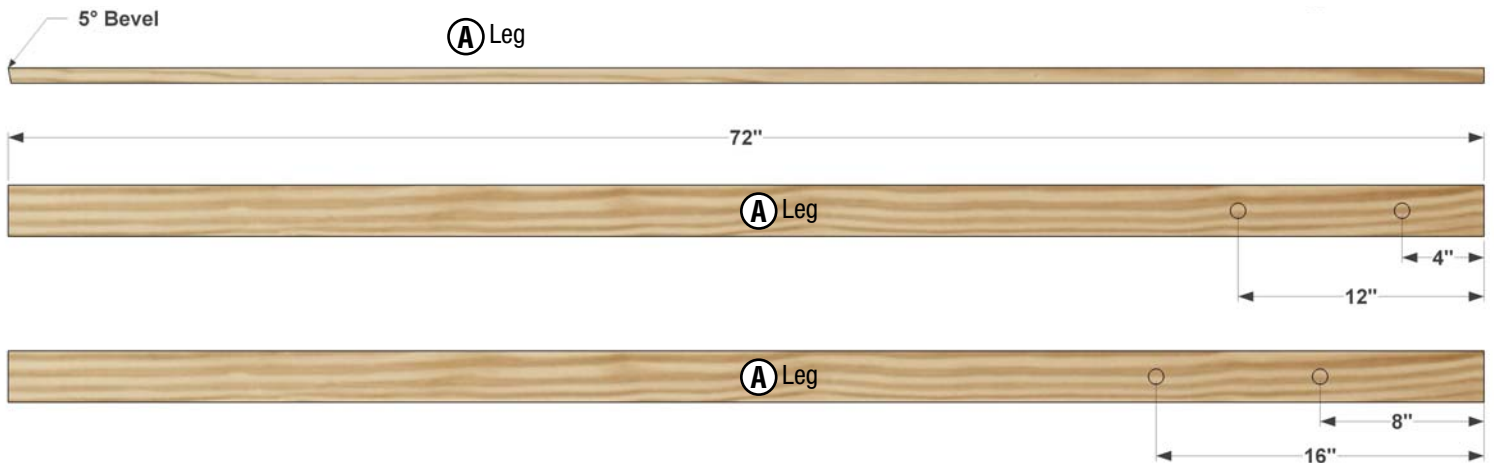
Drill/Driver  
Kreg Jig®  
Miter Saw  
3/4 Forstner Bit  
Clamps  
Tape Measure

Pencil  
Sandpaper and Sander  
Paint and/or Stain  
**Optional Tools:**  
Circular Saw  
Kreg Square-Cut™

# Cutting Diagram:



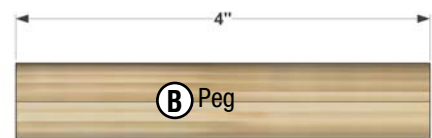
**Step 1:** Using the Cutting Diagram as a guide, cut four Legs (A), to length from 1x3 boards as follows: First, cut a 5° bevel on one end of each board. Then reset your saw to 0°, measure 72" from the beveled end, and then cut the legs to final length.



**Step 2:** On two of the legs, measure from the top end (the end without a bevel) and mark peg locations at 4" and 12". On the other two boards, measure from the top and mark at 8" and 16".

**Step 3:** Locate the center of the boards at these locations, and then drill holes 1/2" deep using a 3/4"-diameter Forstner bit. Take care to keep the holes perpendicular to the face of each leg.

**Step 4:** Cut eight Pegs (B) to length from a 3/4" dowel. Lightly sand the ends, and then glue the dowels into the holes in the legs.

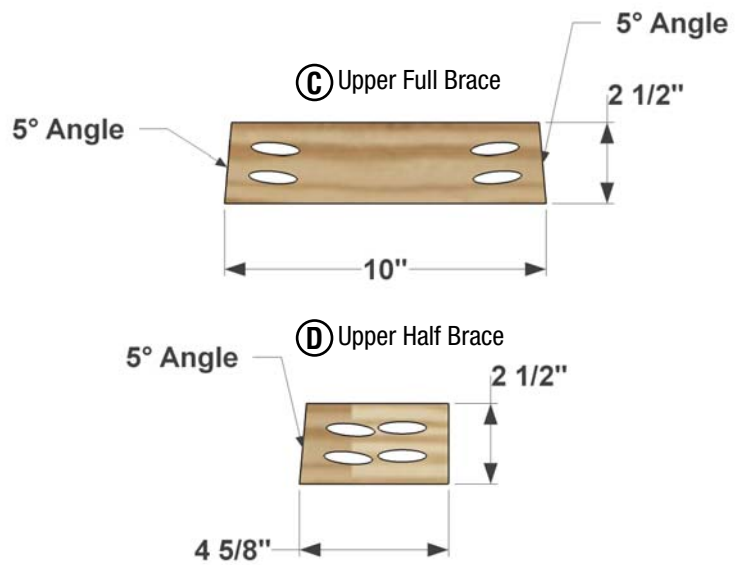


**Step 5:** From the same 1x3 boards you used for the legs, cut one Upper Full Brace (C), and two Upper Half Braces (D) as follows: For the Full Brace, miter both ends at 5°. For the Half Braces, cut one end square, and miter the other at 5°.

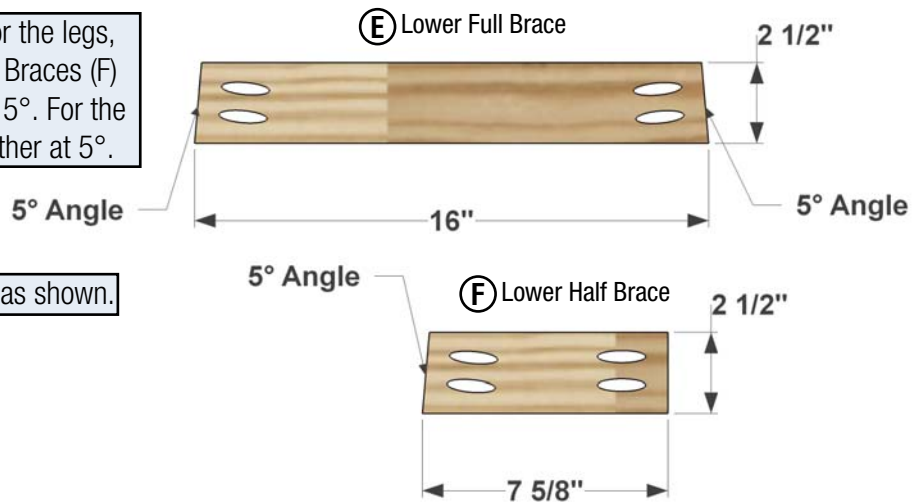
**Quick Tip**

A miter saw makes it easy to make the 5° cuts that are needed. Just swing until the indicator lines up with the 5° mark, and then lock it down.

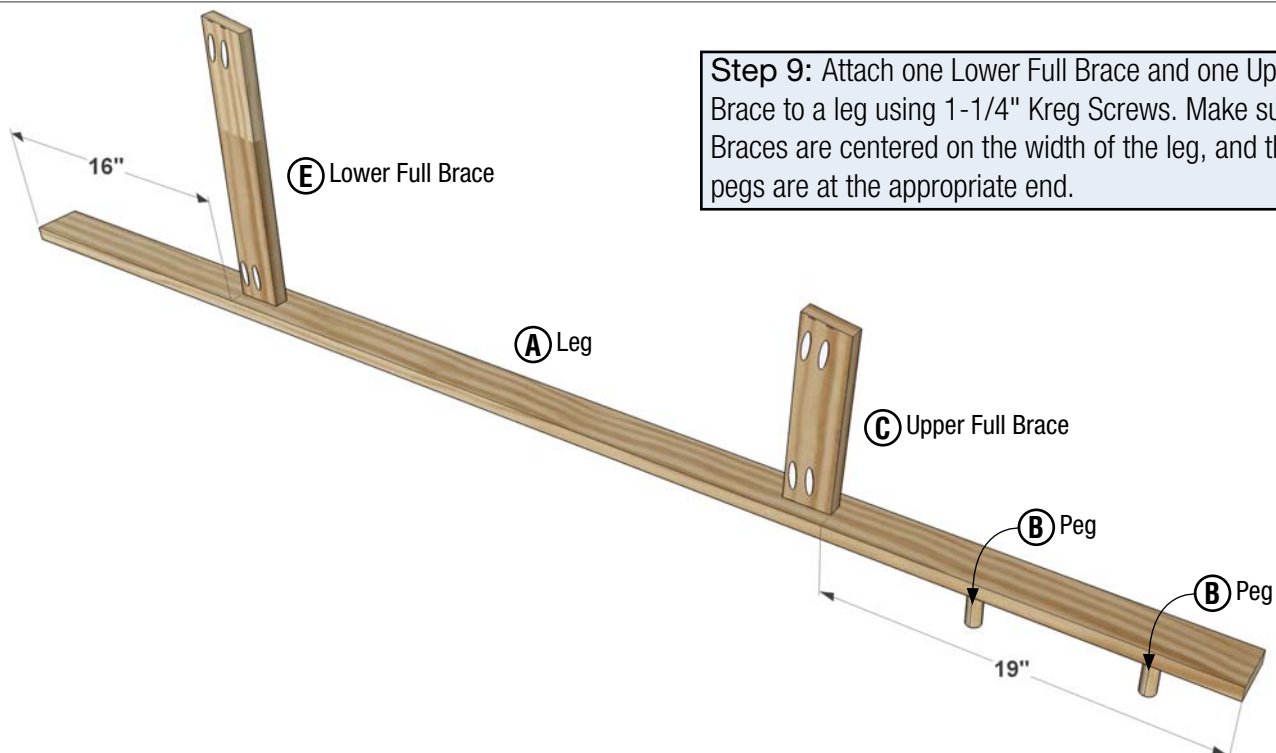
**Step 6:** Set up your Kreg Jig® for 3/4" material, and then drill pocket holes in the Upper Braces, as shown.



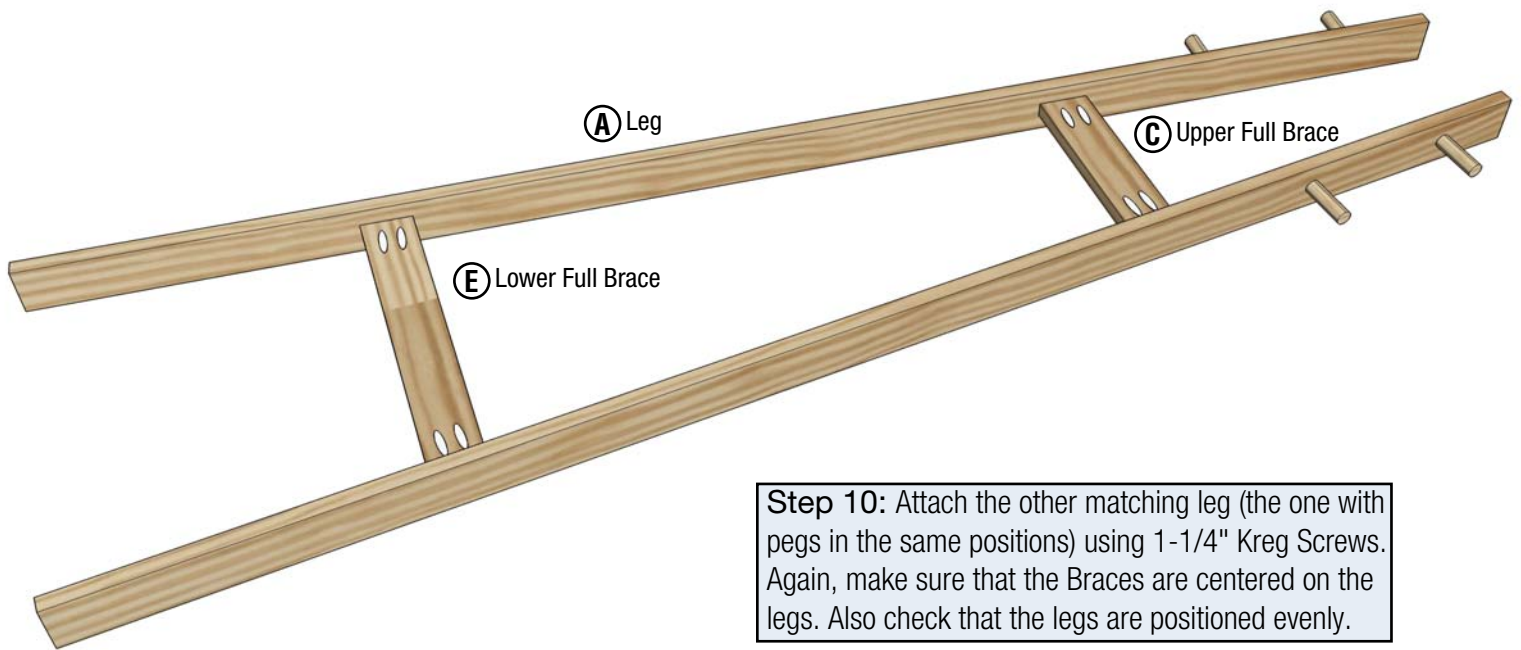
**Step 7:** From the same 1x3 boards you used for the legs, cut one Lower Full Brace (E), and two Lower Half Braces (F) as follows: For the Full Brace, miter both ends at 5°. For the Half Braces, cut one end square, and miter the other at 5°.



**Step 8:** Drill pocket holes in the Lower Braces, as shown.

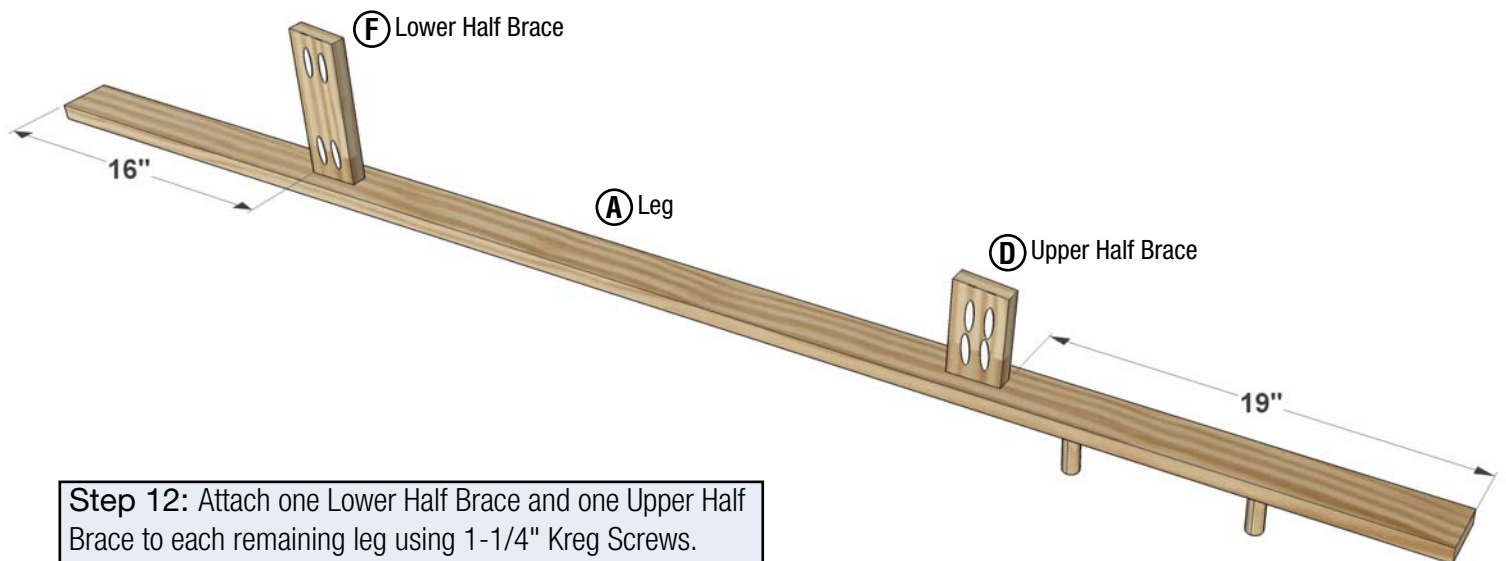


**Step 9:** Attach one Lower Full Brace and one Upper Full Brace to a leg using 1-1/4" Kreg Screws. Make sure the Braces are centered on the width of the leg, and that the pegs are at the appropriate end.



**Step 10:** Attach the other matching leg (the one with pegs in the same positions) using 1-1/4" Kreg Screws. Again, make sure that the Braces are centered on the legs. Also check that the legs are positioned evenly.

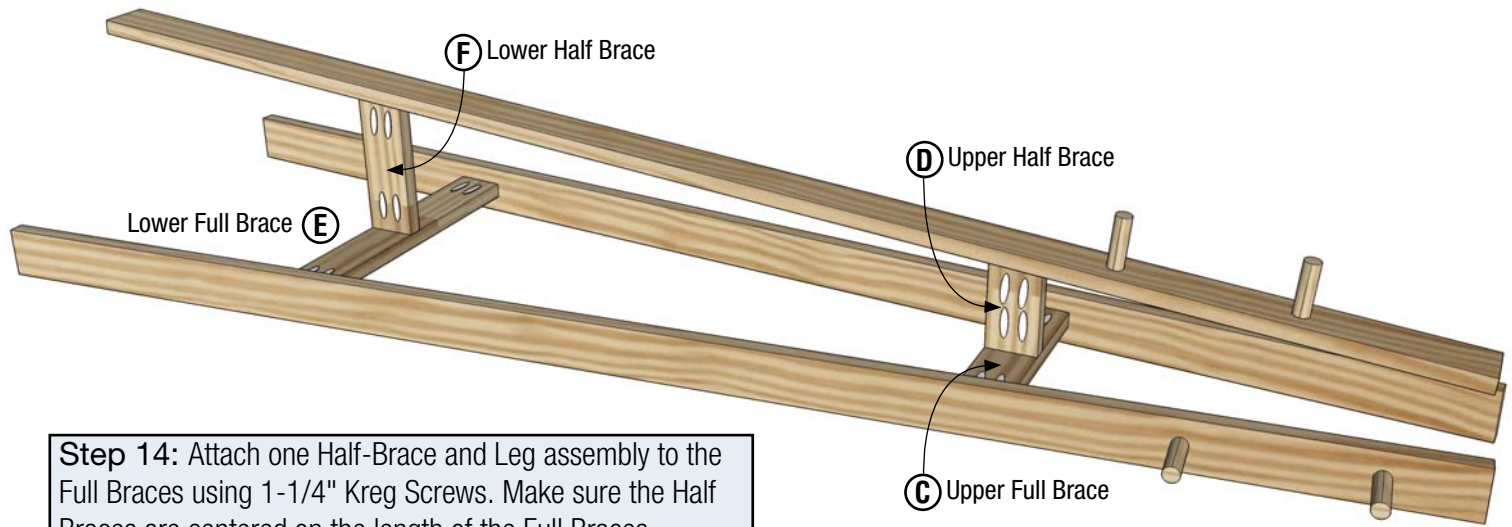
**Step 11:** Fill the pocket holes with pocket-hole plugs, and then sand the plugs smooth with the surface of the Braces.



**Step 12:** Attach one Lower Half Brace and one Upper Half Brace to each remaining leg using 1-1/4" Kreg Screws. Make sure the Braces are centered on the width of each leg, and that the Pegs are at the appropriate end.

**Step 13:** While you have easy access, plug the two pocket holes attaching these braces to the legs, and then sand the plugs smooth with the surface of the Braces.





**Step 14:** Attach one Half-Brace and Leg assembly to the Full Braces using 1-1/4" Kreg Screws. Make sure the Half Braces are centered on the length of the Full Braces.

**Step 15:** Attach the final assembly using 1-1/4" Kreg Screws.

**Step 16:** Plug the final pocket holes and sand the plugs smooth. Because space is tight, you'll have to sand these by hand.

#### Quick Tip

After assembly, but before you apply paint or finish, stand the coat rack on a flat surface and make sure that it doesn't wobble. If it does, lightly sand the bottom end of one leg, recheck it, and repeat if necessary.

**Step 17:** Give the coat rack a final sanding, if needed, and then apply paint, stain, or finish.

