



Adirondack Chair

Sit back, relax, and enjoy the outdoors with this timeless piece.



shop  CLASS

Join the class! To view a four-segment video on building this Adirondack chair, visit LowesCreativeIdeas.com/ShopClass.

With our Shop Class videos and easy-to-follow steps, even a beginner can have success in building this classic project. You'll soon be basking in the sun with a stylish addition to your outdoor living space.

Instructions:

GENERAL: Cut and label the parts as needed, using the Cut List as a guide and adjusting for fit. All parts are secured with glue and countersunk screws unless otherwise specified.

1 BUILD THE LEG AND SUB FRAME ASSEMBLIES

NOTE: The (01) A leg parts are ripped from a 1 x 6.

a. Draw a grid with 1-inch squares on a 36-inch-long piece of 1 x 6. Refer to the (01) A leg layout in Figure 1, and scribe the pattern onto the 1 x 6 piece.

b. Cut the (01) A leg to shape, and then use it as a template to cut a second (01) A leg.

c. Using the dimensions shown in Figure 2, attach one (01) A leg to one (02) B leg. Build a second leg assembly to mirror the first leg assembly as shown in Figure 3. You can use the leftover 2 x 4 stock to help position and stabilize the parts during assembly.

d. Using ~~packet~~ ^{deck} hole screws, attach the (03) leg brace to the leg assemblies as shown in Figure 3. The ends of the (03) leg brace should be parallel to the front edges of the (02) B leg parts.

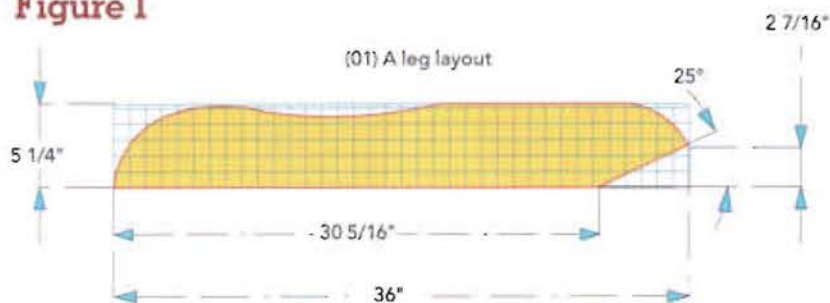
e. Position the (04) back leg brace on top of the (01) A leg parts so that its front edge is $\frac{3}{4}$ inch back from the long curve as shown in Figure 3.

2 BUILD THE BACK ASSEMBLY

a. Cut a 25-degree bevel along one long edge of the (07) arm support.

b. Lay out a 1-inch radius on the bottom outside corners of the (07) arm support

Figure 1



FINISHED DIMENSIONS

HEIGHT
38 $\frac{3}{4}$ inches
DEPTH
34 $\frac{1}{2}$ inches
WIDTH
33 inches

Figure 2

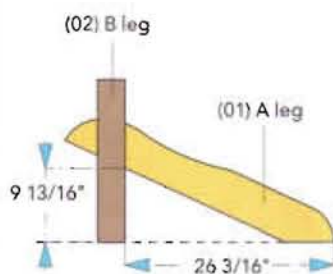
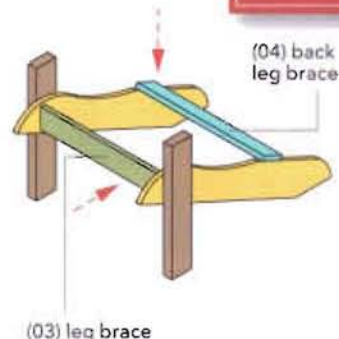


Figure 3



TOOLS YOU'LL USE



TABLE SAW



MITER SAW



ROUTER



JIGSAW



DRILL/DRIVER

- ◆ TABLE SAW
- ◆ MITER SAW
- ◆ ROUTER WITH A $\frac{1}{4}$ -INCH ROUND-OVER BIT
- ◆ JIGSAW
- ◆ DRILL/DRIVER WITH BITS INCLUDING #10 COUNTERSINK BIT

- ◆ POWER SANDER AND VARIOUS GRITS OF SANDPAPER
- ◆ KREG JIG K4
- ◆ COMPASS AND BEAM COMPASS
- ◆ CLAMPS

- ◆ FLEXIBLE METAL RULER
- ◆ COMBINATION SQUARE
- ◆ TAPE MEASURE
- ◆ PAINTBRUSH
- ◆ PENCIL



Go to LowesCreativeIdeas.com/Woodworkers to download the Cutting Diagram for this project.



Figure 4

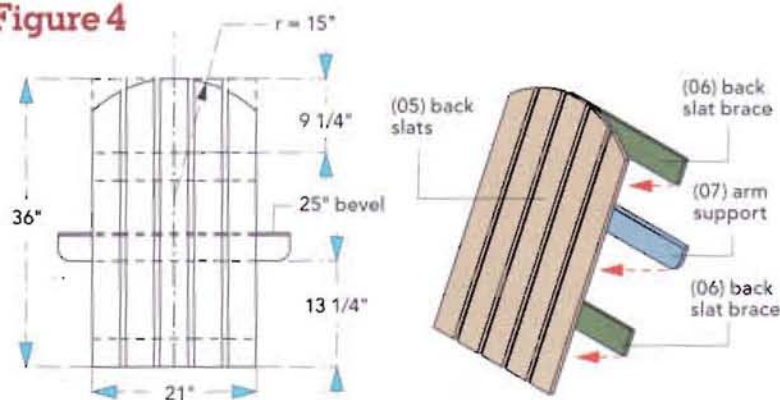


Figure 5

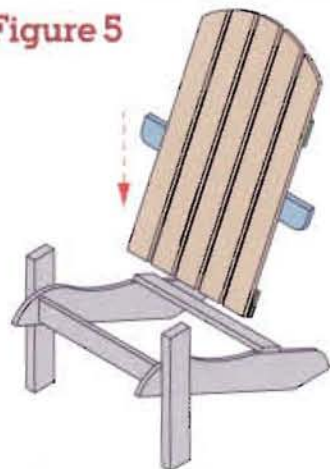


Figure 6

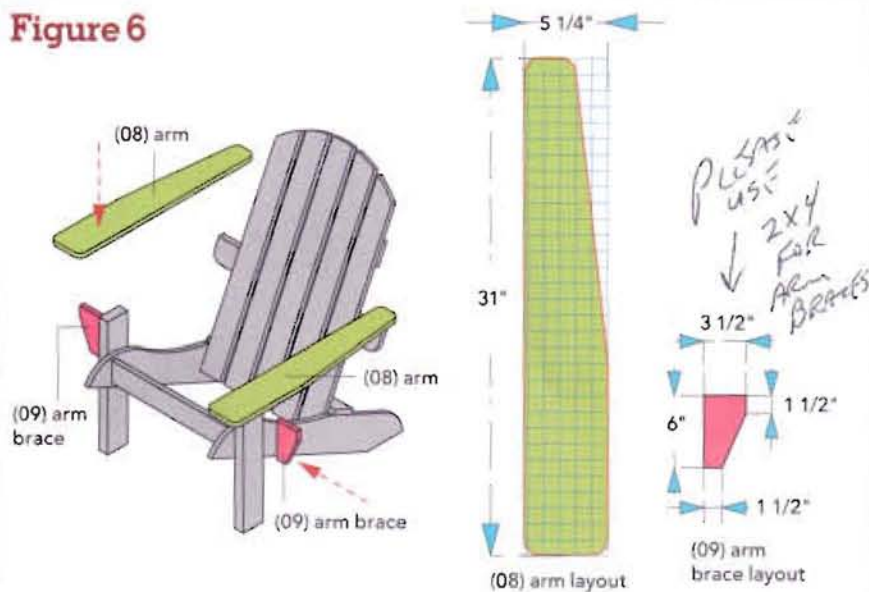
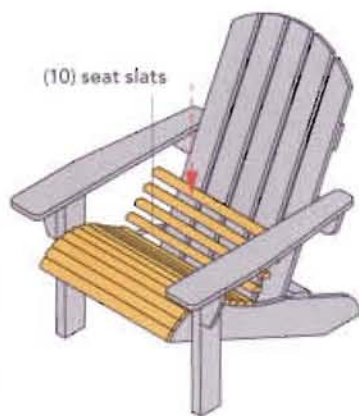


Figure 7



opposite the beveled edge as shown in Figure 4. Cut the rounded corners, and sand smooth.

c. Space the (05) back slats evenly over the length of the (06) back slat braces. Following the dimensions shown in Figure 4, attach the (05) back slats to the (07) arm support and to the (06) back slat braces.

d. Locate the center of the middle (05) back slat, and then use a beam compass to draw a 15-inch radius curve on the tops of the five (05) back slats, following the layout in Figure 4. Cut this radius to shape, and then sand the edges smooth.

3 ATTACH THE BACK ASSEMBLY AND ARMS

a. Position the back assembly on the sub frame assembly so that the top of the lower (06) back slat brace locks under the front edge of the (04) back leg brace (see Figure 5). The angle of the back assembly should be 90 degrees to the top edge of the back flat portion of the (01) A leg. Secure the back assembly by attaching the lower (06) back slat brace to the (04) back leg brace.

b. Use the layout in Figure 6 for the (08) arm, and scribe the pattern on a 31-inch-long piece of 1 x 6. Note: The (08) arms are ripped from the 1 x 6.

c. Cut the (08) arm to shape, and use it as a template to cut a second (08) arm. Use a sander to round over the top edges of each (08) arm.

d. Following the layout in Figure 6 for the (09) arm brace, cut two (09) arm braces to shape.

e. Attach the (08) arms to the (07) arm support and to the tops of the (02) B leg parts with an equal overhang on each end as shown in Figure 6.

f. With ^{DSK} pocket hole screws, attach the (09) arm braces to the (02) B leg parts so that they are flush with the front edges of the (02) B leg parts. Attach the (09) arm braces to the (08) arms with glue and screws.



Build a matching Adirondack set for the little ones to complement the large Adirondack chair.



Go to LowesCreativeIdeas.com/Woodworkers to download plans for this kid-sized Adirondack chair, ottoman, and side table.

Good To Know

To save time when making this project again in the future, create templates of the leg and arm layouts. Simply trace the parts on scrap lumber, cut, and store.

Lowe's List

PROJECT #WSpr092

LUMBER*

- 1 board, 1 x 4 x 8
- 2 boards, 1 x 4 x 10
- 1 board, 1 x 6 x 10
- 1 board, 1 x 6 x 12
- 1 board, 2 x 4 x 8

HARDWARE & SUPPLIES

- 2 box (1/4-inch) screws *PLEASE USE PREDRILL TREATED LUMBER DO NOT PAINT!*
- 1 box (1/4-inch) pocket hole screws, coarse thread
- 1 package nail-on furniture glides
- wood glue (Titebond III)
- paintable wood filler (PL)
- 1 quart of exterior primer (Valspar)
- 1 quart of exterior paint (Valspar Ultra Premium, Dark Mango EB3-1, semi-gloss)
- (stain option) 1 quart of stain (Cabot, Australian Timber Oil, Jarrah Brown)

*Availability varies by market. Cedar, redwood, and treated southern yellow pine are appropriate for this project.

4 ATTACH THE SEAT SLATS, AND APPLY FINISHING TOUCHES

NOTE: The (10) seat slats are ripped from a 1 x 6.

- a. Use a router fitted with a 1/4-inch round-over bit to round over the top long edges of each (10) seat slat.
- b. Attach the (10) seat slats to the leg assemblies as shown in Figure 7.
- c. Fill pocket holes with wood filler. Prime and paint, or stain, as desired.
- d. ~~Attach nail-on furniture glides to the bottoms of the leg assemblies.~~

Cut List

#	PART NAME	QUANTITY	MATERIAL	SIZE (in inches)
01	A legs	2	1 x 6 x 12	3/4 x 5 1/4 x 36
02	B legs	2	2 x 4	1 1/2 x 3 1/2 x 20 1/4
03	leg brace	1	1 x 4 x 8	3/4 x 3 1/2 x 21
04	back leg brace	1	1 x 4 x 8	3/4 x 3 1/2 x 22 1/2
05	back slats	5	1 x 4 x 8, 1 x 4 x 10	3/4 x 3 1/2 x 36
06	back slat braces	2	1 x 4 x 10	3/4 x 3 1/2 x 21
07	arm support	1	1 x 4 x 10	3/4 x 3 1/2 x 29
08	arms	2	1 x 6 x 12	3/4 x 5 1/4 x 31
09	arm braces	2	2 x 4 x 8	1 1/2 x 3 1/2 x 6
10	seat slats	15	1 x 6 x 10	3/4 x 1 1/2 x 22 1/2