



Adirondack Chair Assembly

The Adirondack Chair is the foundation, and the key item, in the Eureka Outdoor Furniture Line. You will assembly and sell more of this item to your customers than any other item in your product line. Please review safety notices prior to beginning the assembly process.



Remember --- enjoy your work!

Work Area Setup:

1. Assembly area should be clear of all items unrelated to the assembly of the Adirondack Chair (remove unneeded parts, tools, or other items that would hinder your assembly process).
2. Ensure you have the following tools readily available for the assembly process:

1. Battery Powered Drill
2. 1/8 th by 2" Countersink Drill Bit
3. #2 Square Drive Bit
4. 3/8" Spacing Guide (See Jig Assembly Section)

3. Ensure you have an appropriate supply of the following items on hand:

1. Polyurethane Glue (Recommended)
2. #2 Square Drive 1 3/4" SS Screws (Recommended)
3. Glue Block (Disposable scrap wood piece)
4. Paper towels (wipe excess glue)
5. Glue Applicator

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Caution!

Your Assembly area should be free of safety hazards – ensure you have a clean, dry work area.



Tip!

Many producers use 2 battery powered drills – one for drilling and one for driving the screws



Tip!










A Tongue depressor [obtained at your local hobby shop] makes a great glue applicator!



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Adirondack Chair Parts:

4. Ensure you have the following Adirondack Chair parts (in sufficient quantities) readily available for the assembly process:

Item	QTY	Likeness
Base	2	
Arm	2	
Seat Slat	5	
Seat Canoe	1	
Fancy Front Slat (optional)	1	
Arm Support (front)	2	
Arm Support (rear)	2	
Legs	2	
Back Support Riser	2	
Back Sub-Assembly	1	*See Back Sub-Assembly Section of Manual

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Tip!

Once you are used to the assembly process prepare and build multiple chairs in a single assembly session



Tip!

The Adirondack Chair Back Assembly should be pre-assembled prior to building your Adirondack Chair



Tip!

Its best to dry assemble (screw, but not glue) your first chair – become familiar and comfortable with the assembly process



Adirondack Chair Assembly



Quality Visually inspect each piece as you pull your parts from inventory. Ensure that items are well prepared for your finished product. Look for any damages that may have occurred since your last quality inspection; always inspect for undesirable flaws in the wood.

5. You're now ready to begin the actual assembly process:

Step One: Pre-attach Front Arm Supports	
Assemble the front arm supports by using the arm support assembly fixture on the Adirondack Assembly Jig.	<Insert picture of front arm supports placed in assembly jig>
Pre-attach the front arm supports to the legs—Place them on the top center [outside surface] of each leg	<Insert picture of front arm supports being placed on the legs>
Step Two: Place Leg Supports in Assembly Jig	
Using both legs place one each in the left and right sides of the assembly jig. Ensure that the legs are firmly clamped in the assembly jig. Ensure the arm supports are correctly placed [on the outside of the assembly].	<Insert picture of legs correctly placed in assembly jig>



Caution!

Polyurethane Glue will stain your skin and may create dry chapped skin. Be careful when applying the glue.



Tip!

Once the seat bases are clamped in the Adirondack Assembly Jig, use a seat slat, placed across the bases to set the width of the jig assembly. After the correct width is determined, firmly tighten the jig to the assembly table.



Tip!

Pre-drill the counter sink holes in your seat slats at your drill press.



Adirondack Chair Assembly

Quality



Ensure your seat slats are all the same length. Set aside slats that have major variances for re-work [for other chair parts].

Step Three: Position the Jig and Attach the Seat Slats	
Ensure the Adirondack Assembly Jig is spaced correctly and is firmly attached to the assembly table	<Insert picture of Adirondack Assembly jig>
Attach the front seat slat. Using the fancy front slat is optional; you may also design your own signature piece	<Insert picture of front seat slat being attached>
Attach the remaining seat slats.	<Insert picture of using slat spacer to position remaining slats>

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Tip!

Don't attach the canoe seat slat until the back sub-assembly is attached. Make any adjustments to spacing by moving the canoe appropriately. This allows you a little "wiggle" room so that your seat is visually appealing.



Tip!

Seat slats should be placed 3/8th inch apart. Use the seat slat spacing guide to ensure uniform spacing.



Adirondack Chair Assembly

Quality



Visually inspect the back sub-assembly prior to attaching [it] to the chair assembly. Ensure slat spacing is visually appealing and watch for any other flaws that may detract from the appearance and quality of your chair.

Step Four: Attach the Back Sub-Assembly	
Place the back sub-assembly onto the chair assembly as shown here:	<i><Insert picture of back sub-assembly being place correctly in the chair assembly></i>
Drill 2 countersink holes in the bottom back support canoe [on the left and right sides] for attachment into the chair assembly.	<i><Insert picture of countersink drilling into the back sub-assembly></i>

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Tip!

Instead of using one hand to balance the back sub-assembly, use a quick set clamp to hold the bottom support canoe to the base. (Don't over-tighten—it may leave a mark in the wood!)



Tip!



Adirondack Chair Assembly

Quality



Visually inspect the back sub-assembly prior to attaching [it] to the chair assembly. Ensure slat spacing is visually appealing and watch for any other flaws that may detract from the appearance and quality of your chair.

Step Five: Attach the Back Support Risers	
Place one back support riser against the inside of the chair base support and ensure the top angle aligns with the back middle support canoe.	<Insert picture of placement for the back support riser>
After clamping in place, countersink 2 holes through the top of back canoe.	<Insert picture of countersink drilling into the back sub-assembly>
Countersink 2 holes at the bottom of the riser [into the chair base assembly].	<Insert picture of countersink drilling into the chair base subassembly>
Drive screws into the back support riser. Repeat the entire process for the remaining riser.	<Insert picture of screws into back support risers>



Tip!

Dry fit the back support risers to ensure the top angle supports the back correctly. Any gaps can be quickly sanded flush to ensure a tight fit.



Tip!

Section: Adirondack Chair Assembly



Adirondack Chair Assembly

Quality



Visually inspect both sides of the Arms (paddles) to determine the best side. Look for any damage, roughness, unsightly knots, or processing mistakes. Always position the best side of the arm up so that your chair is appealing to your customers.



Tip!

Step Six: Attach the Arms (Paddles) to the Chair Assembly	
Place glue on the rear of the arm and on the front leg arm support assembly	<insert picture of glue on arm and front support assembly>
Position the arm so that the rear of the arm aligns with the back support risers. In the front of the chair position the arm so that there is about a three quarters inch	<Insert picture of countersink drilling into the back sub-assembly>



Tip!

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