

# Subwoofer Enclosure Assembly Guide



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STEP BY STEP INSTRUCTIONS FOR BEGINNERS

Jones Subwoofer Solutions  
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## Introduction:

Welcome to the exciting journey of assembling your high-quality, custom subwoofer enclosure! Our flat-pack kit, meticulously crafted from 13-ply Baltic Birch, offers you an enriching project that enhances your audio experience. Inside this package, you'll find precision-cut wood pieces alongside premium wood glue, designed to fit together seamlessly for a sturdy and aesthetically pleasing finish.

Before you dive into assembly, a few important notes: This project requires a minimum of one hour, though the actual time may vary based on your toolkit and assembly choices. While our kit includes the wood and glue, you will need to supply your own nails or screws, which we recommend for additional reinforcement. Please ensure you have the appropriate power tools for these materials. Moreover, clamps are essential for ensuring tight, secure bonds between pieces; we recommend clamps that are at least the length of your enclosure's longest dimension (e.g. 36"). The pieces are intended to fit tightly and may require some sanding for a proper fit.

Your commitment to this project will result in a subwoofer enclosure that not only sounds fantastic but is also looks great. Let's transform these high-quality materials into an exceptional piece of audio equipment.

## Equipment List

Wood enclosure pieces	Provided
Wood glue	Provided
Power drill or brad nail gun	
Wood screws or brad nails	1" length for connecting double baffle models. 1-1/4" or 1-1/2" for all other connections.
Sandpaper	A low grit will help remove material quickly.
Clamps	A minimum of 4 clamps are recommended. At least 2 of the clamps must be longer than the longest dimension of the subwoofer enclosure.
Paper towels and water	For cleaning up glue that squeezes out of the seams.
Framing square/speed square	For creating accurate 90-degree angles.
Putty knife	For spreading glue on models with double baffles.
Dead blow hammer	For adjusting pieces while clamping them into place.
Pencil	To draw guides for the nails/screws

## Cautions/Safety Notices

### DANGER:

Power Tools: When using power tools such as nail guns and drills, there is a risk of serious injury or even death. Always follow the manufacturer's safety instructions, use guards, and ensure that safety switches are operational.

### WARNING:

Heavy Wood Pieces: The wood pieces are heavy and can cause injury if not handled properly. Use caution when lifting and moving them to avoid smashing fingers or dropping them on your feet.

Wood Splinters: Handling wood can result in splinters. Wear gloves and handle the pieces carefully to prevent cuts and splinters.

### CAUTION:

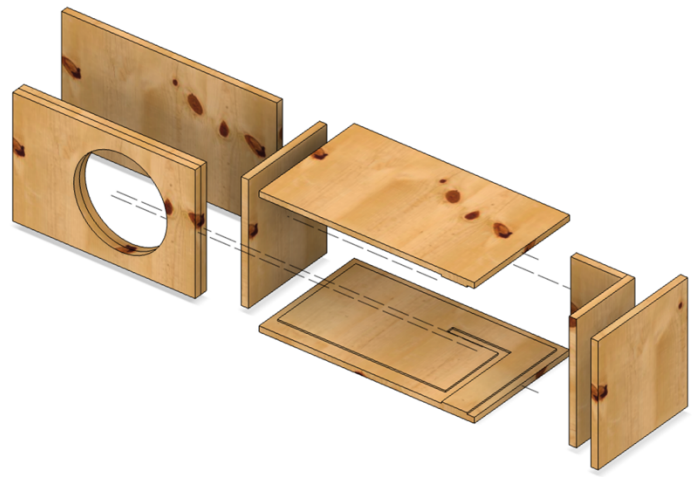
Wood Dust: Sanding wood produces dust, which can be harmful if inhaled. Always sand in a well-ventilated area and consider wearing a dust mask to avoid respiratory issues.

Wood Glue: Wood glue can bond quickly and is difficult to remove from clothing. Protect your clothing while working with glue and follow the glue manufacturer's instructions for cleanup.

Power Tools: Always wear safety glasses and ear protection when using power tools to prevent eye injuries and protect your hearing.

# Instructions

1. Dry fit the plywood pieces together to become familiar with how the enclosure will look once put together.



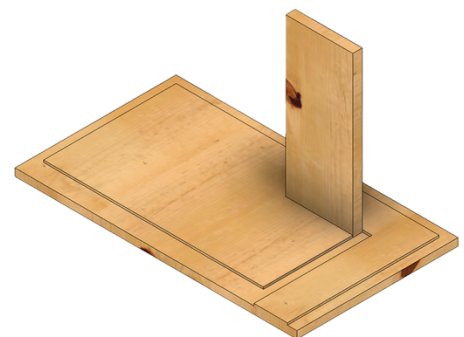
2. If pieces need sanding to fit together properly, sand the necessary edges until they fit snugly.



3. Place the enclosure base on a flat surface. Assembly begins with the center part of the box and moves outward.



Note: Each piece is put together at a 90-degree angle and needs glue on the contact surfaces.



4. Draw a thin, continuous line of glue across the surface of the wood where the two pieces will connect. Only apply glue to the pieces immediately being put together since it dries quickly.



5. Once each piece is glued, clamp it to the adjacent pieces. A tight fit will ensure the highest sound quality. The glue has a few minutes to be fitted together before the bonding process starts.



6. While the wood is clamped together, nail or screw the pieces together.

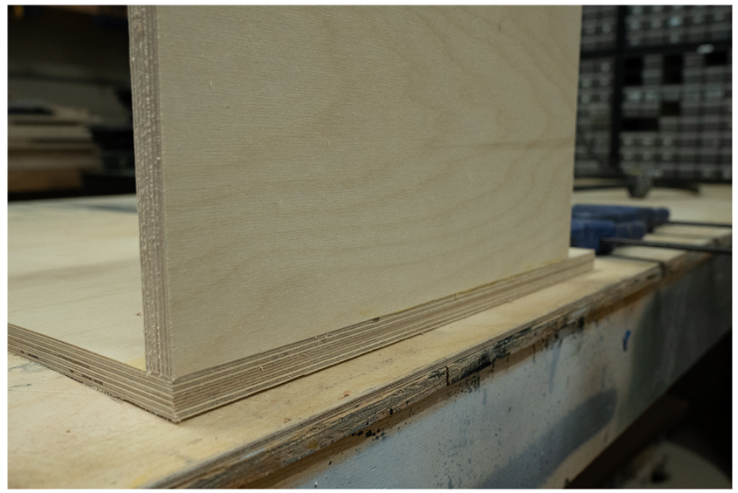


7. On the inside edges of the enclosure, run a bead of glue along any seams that have gaps.





8. Remove the clamps and move on to the next piece of wood.

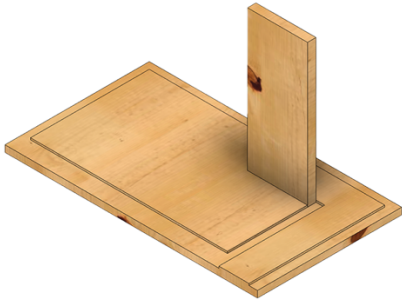


Note: For double baffle models, we recommend gluing the faces of the two baffles together. In addition to gluing to two baffles together, nail/screw it together from the inside of the box. Avoid putting nails/screws within 1 1/2 in. of where the subwoofer will mount to avoid problems with mounting the subwoofer screws.

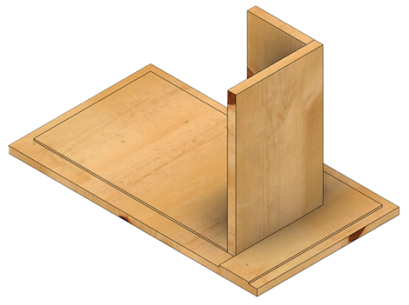


9. Repeat the process piece by piece according to the following diagrams.

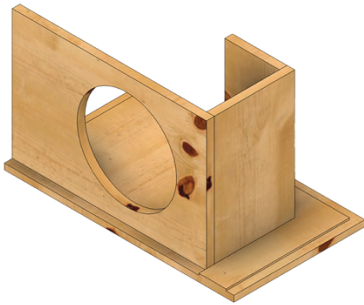
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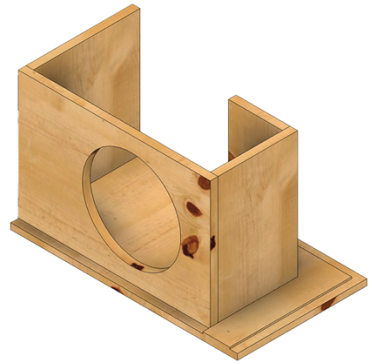
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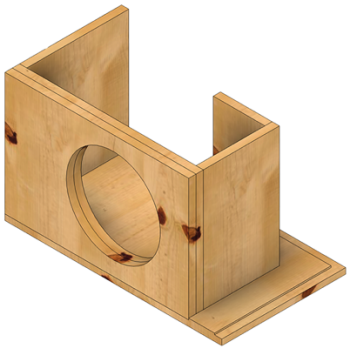
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6



7



8



## Conclusion

Congratulations on successfully assembling your high-quality, custom subwoofer enclosure! Now that the construction is complete, you have the freedom to personalize your enclosure to match your style. Whether you choose to stain, paint, wax, or carpet your box, the final look is entirely up to you.

If you have any questions or need further assistance, please don't hesitate to reach out to us. Additionally, for a visual step-by-step guide, be sure to check out our how-to video available on our website. Your satisfaction is our priority, and we're here to support you every step of the way.

Thank you for choosing our product, and we hope you enjoy the enhanced audio experience that your new subwoofer enclosure brings!