

18" PA Subwoofer Knock Down Kit Assembly

Thank you for purchasing the Knock-Down 4.6 cu. ft. 18" Pro Subwoofer Cabinet kit. This kit was precision cut using CNC machinery for the best possible fit and finish. With a little time and patience, your finished product will provide years of enjoyment. Please use the following instructions for the best possible results.

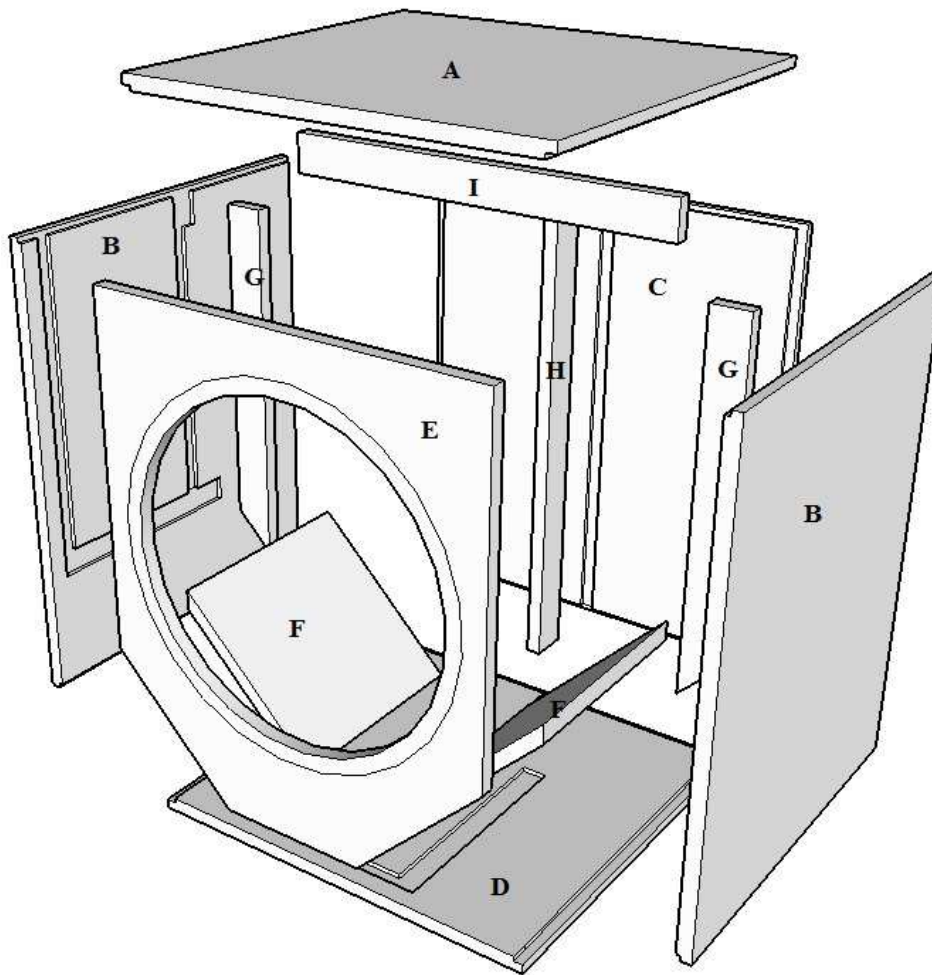
Suggested tools and consumables:

Drill	Rag or paper towels
5/64" drill bit	Pencil or Sharpie marker
Wood clamps (you can never have too many of these)	Phillips screwdriver
Sanding block and/or electric finishing sander	Wood glue
Speaker or hook-up wire (12-14 gauge)	Binding post/terminal cup
Masking tape	

Note: Due to the size of this enclosure, we recommend that this assembly be completed with 2 people. One person to hold pieces in place while the other person prepares and installs the next piece.

Package contents:

First, empty the contents of the package, inspect the parts to ensure everything has been included, and is in good condition. Before gluing anything, do a dry fit of the included parts to familiarize yourself with the components and their assembly. This will also give you a chance to ensure that all pieces have been cut properly. If any parts are missing or damaged please contact our customer service department at 1-800-338-0531.



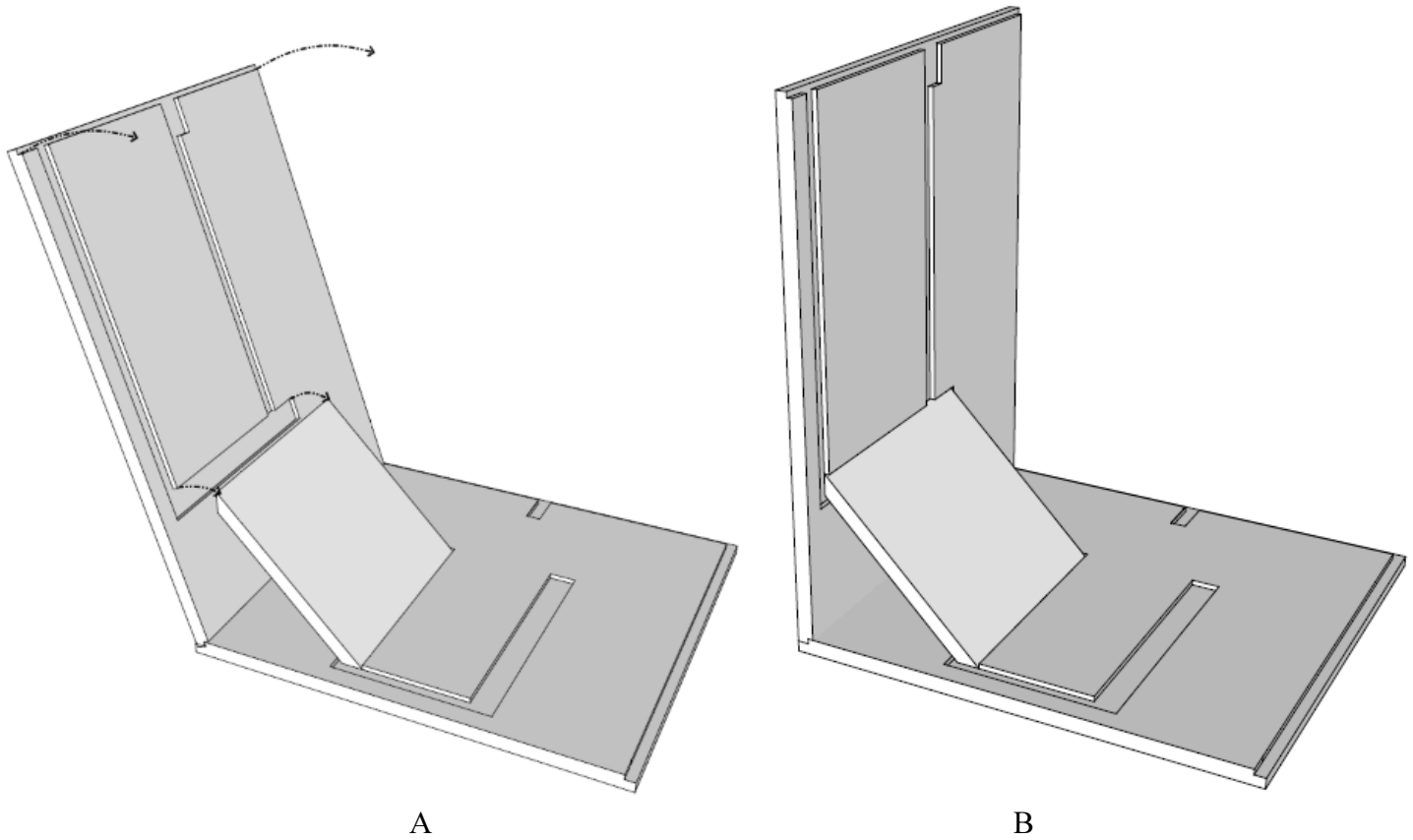
- A) Top
- B) Sides (x2)
- C) Back
- D) Bottom
- E) Front Baffle
- F) Port Walls (x2)
- G) Side Vertical Braces (x2)
- H) Rear Vertical Brace
- I) Top Horizontal Brace

Also includes #6 x 1-1/2" coarse thread cabinet screws, 10 pieces.

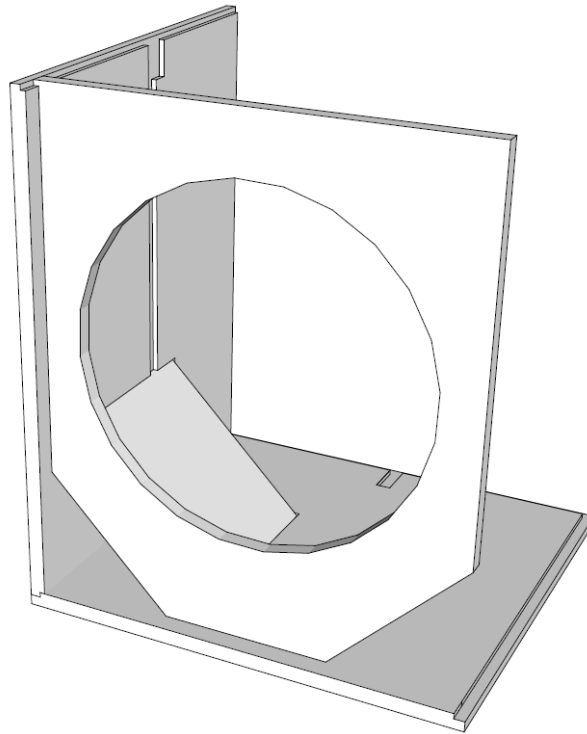
Enclosure Assembly:

Note: Due to the size of this enclosure, any minor warping of the panels could result in difficult fitment of the final panel. Therefore, we recommend that you assemble the majority of this enclosure in one sitting while the glue is still wet. Please complete the enclosure before clamping or allowing any glue to dry completely.

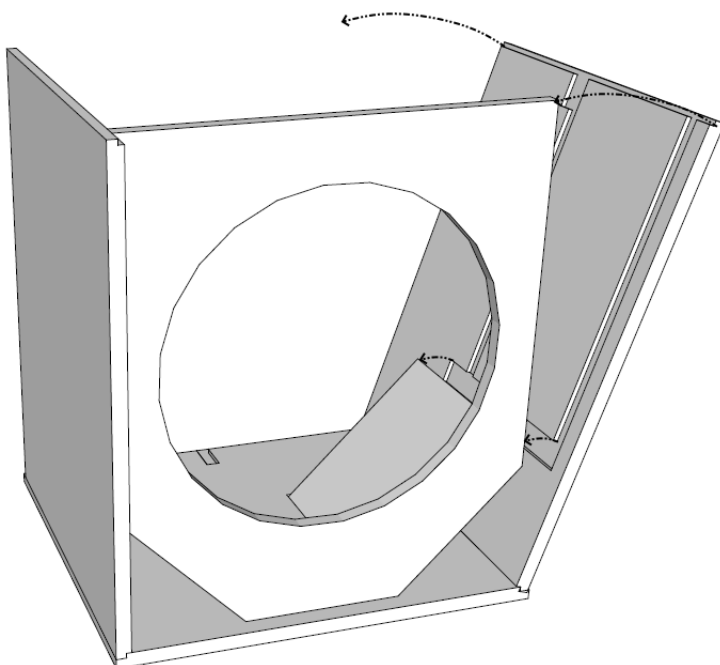
- 1) First, take the back panel and cut or drill holes required for the speaker termination of your choice (binding posts, terminal cup, Speakon, etc...).
- 2) Next, set the enclosure parts out on a flat level surface and ensure that all pieces are free of dust and debris.
- 3) With the bottom panel (D) lying flat, apply glue to the beveled edges of one port wall (F) and the mating surface of the side panel (B) and bottom panel. Place the port wall in position on the bottom panel (the port wall should be at the back of the dado cut in the bottom panel). Place the side panel on the edge of the bottom panel and rotate the side panel into position (as shown in picture A below), making sure the port wall is completely seated into both bottom panel dado and the side panel dado (as shown in picture B below). Apply enough pressure to ensure glue is spread through the joint (some glue squeeze-out can be expected).



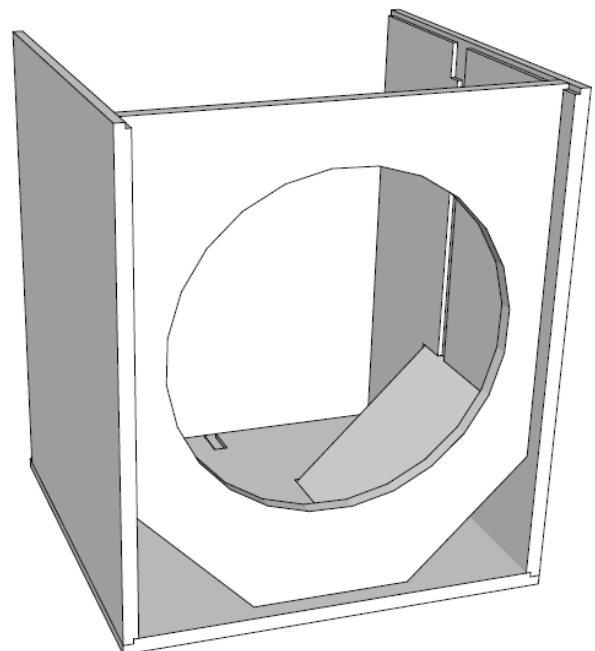
- 4) Apply glue to all mating surfaces of the side/bottom assembly and the front baffle (E). Assemble as pictured below. Make sure the baffle is fully seated into the dado on the bottom panel. Apply enough pressure to ensure glue is spread through each joint (some glue squeeze-out can be expected). Note: Ensure that the countersunk screw holes (tapered holes) are on the outside of the enclosure.



- 5) Now apply glue to the beveled edges of the second port wall (F) and all mating surfaces of the second side panel (B) and bottom panel. Place the port wall in position on the bottom panel (the port wall should be at the back of the dado cut in the bottom panel). Place the side panel on the edge of the bottom panel and rotate the side panel into position (as shown in picture A below), making sure the port wall is completely seated into both bottom panel dado and the side panel dado (as shown in picture B below). Apply enough pressure to ensure glue is spread through the joint (some glue squeeze-out can be expected).

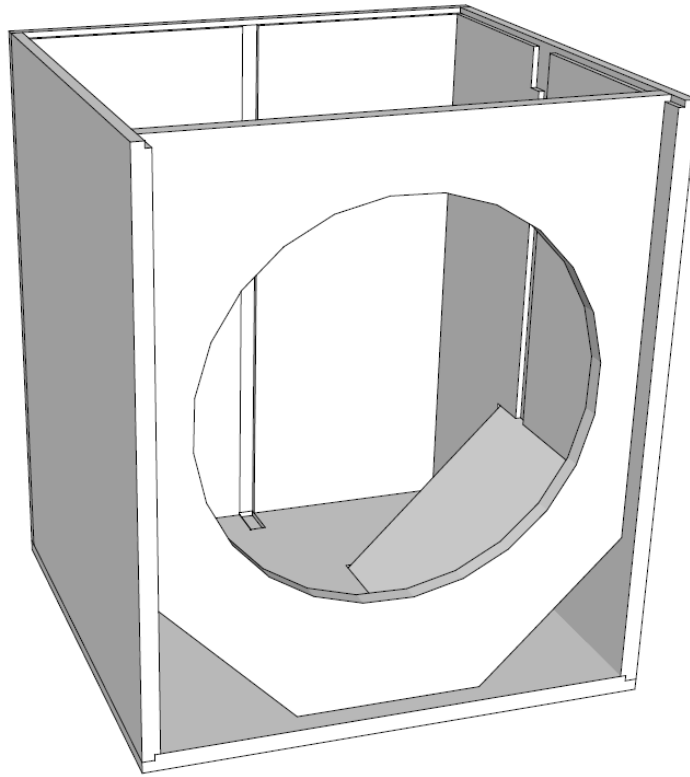


A

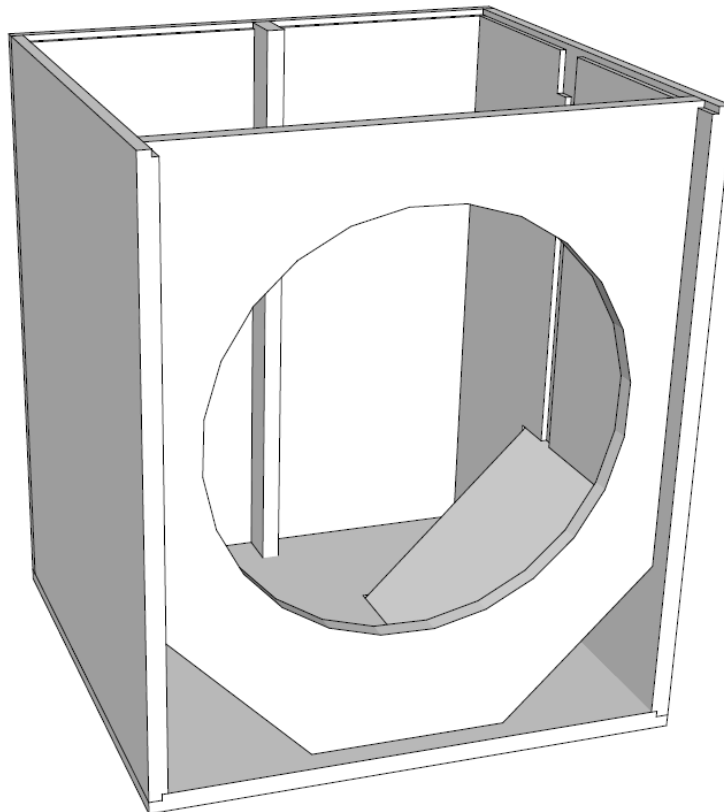


B

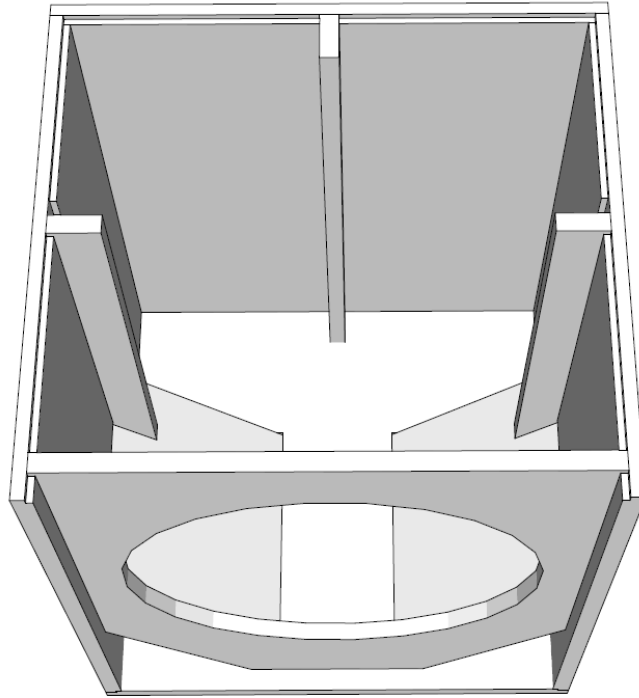
- 6) Apply glue to all mating surfaces of the side/bottom assembly and the back panel (C). Assemble as pictured below. Apply enough pressure to ensure glue is spread through each joint (some glue squeeze-out can be expected).



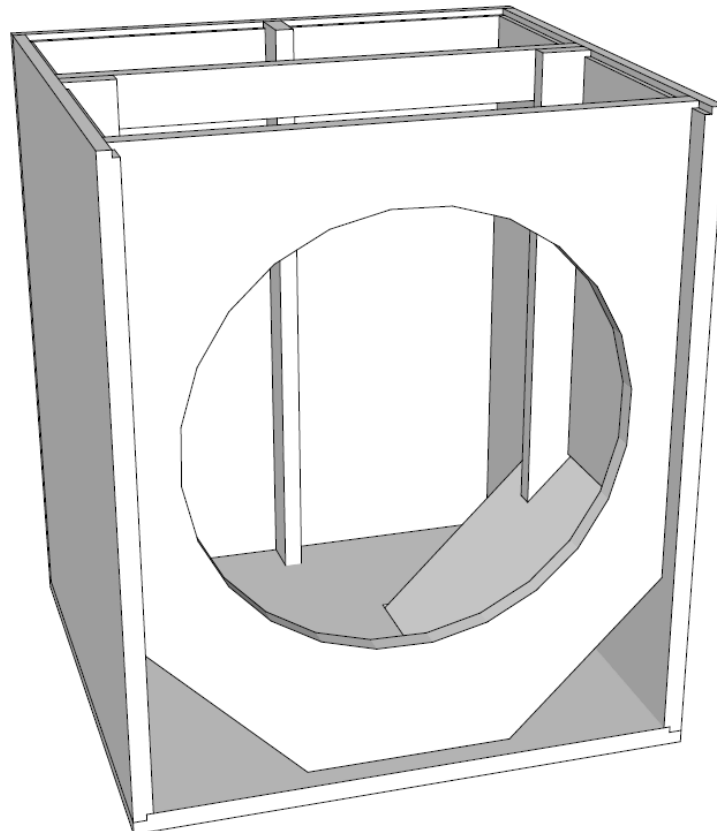
- 7) Apply glue to all mating surfaces of the bottom/back assembly and the rear vertical brace (H). Assemble as pictured below. Apply enough pressure to ensure glue is spread through each joint (some glue squeeze-out can be expected).



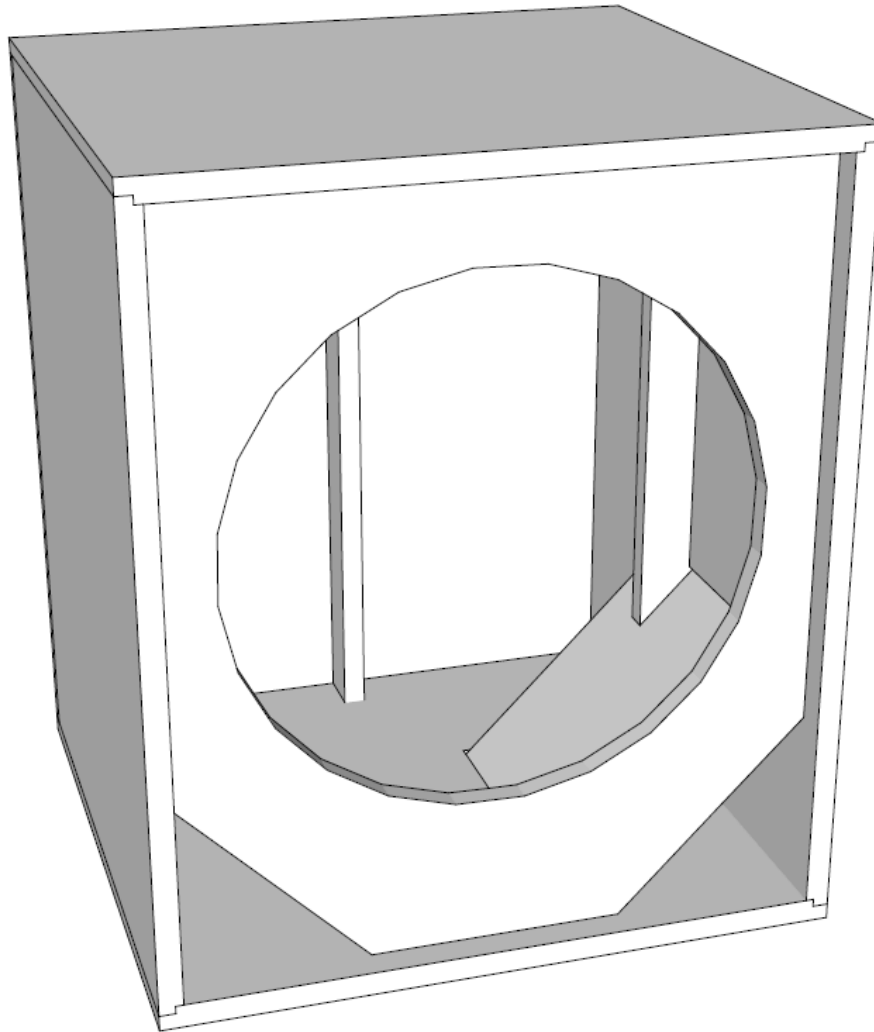
- 8) Apply glue to all mating surfaces of the side panels and the side vertical braces (G). Assemble as pictured below. Apply enough pressure to ensure glue is spread through each joint (some glue squeeze-out can be expected). **Note:** Temporarily tape the side braces into place with masking tape as they may slide down the port walls.



- 9) Apply glue to all mating surfaces of the side panels/side braces and the top horizontal brace (I). Assemble as pictured below. Apply enough pressure to ensure glue is spread through each joint (some glue squeeze-out can be expected).



- 10)** Now, apply glue to all mating surfaces of the enclosure assembly and top panel (A). Assemble as pictured below. Apply enough pressure to ensure glue is spread through each joint (some glue squeeze-out can be expected).
At this point, inspect the enclosure to ensure that all edges are lined up properly then apply clamps so that even pressure is applied to all glued surfaces. After clamping, double check that all edges line up properly, this cannot be corrected once the glue dries. Using a damp rag or paper towel, wipe away any glue squeeze-out on the outside of the enclosure (squeeze-out on the inside is fine).



- 11)** Using the supplied screws, screw the front baffle to the port walls. Allow glue to dry according to the manufacturer's recommendations and remove clamps.
- 12)** With the cabinet together you can now sand and finish to your liking.
- 13)** Once finished, add your choice of speaker connection to the cabinet, wire up the woofer observing polarity and install the woofer.
- 14)** Your enclosure is now ready for its first gig!