#245-324
PA Knock-Down Trapezoid Birch Cabinet for 12" Driver
Thank you for purchasing the PA Knock-Down Trapezoid Birch Cabinet for 12" Drivers (also known as the “Trap Kit”). This cabinet 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 follow the instructions below for the best possible results. Should you have any questions, please contact a Parts Express technician anytime at parts-express.com or call toll-free 1-800-338-0531.

**IMPORTANT:** Your Trap Kit comes with a baffle that has been pre-cut to fit many 12” drivers. Prior to cabinet assembly, determine what configuration and choice of other drivers, and port tubes you will use to complete this system. Do not assemble the cabinet until your driver/baffle configuration has been determined. Handles, input terminals, pole mount adapters, and other hardware are not included but may be installed at the customer’s discretion after the cabinet is constructed.

**PACKAGE CONTAINS:**
(A) 1 front baffle with cutout for 12" driver  
(B) 2 side panels  
(C) 1 cabinet top and 1 cabinet bottom  
(D) 4 framing pieces for front protection grill support (optional)  
(E) 1 back panel  
(F) 1 bag of wood screws

**REQUIRED AND SUGGESTED TOOLS:**
- Drill
- 1/8" drill bit
- Phillips screwdriver
- Wood glue
- Wood filler (optional)
- Sanding block and/or finishing sander (optional)
INSTRUCTIONS:
It’s easier to assemble the Trap Kit using the floor as your work area. **NOTE:** Before beginning the project, lay down old carpet or other material to catch any excess glue or wood dust that falls while you are assembling the cabinet.

Please review the assembly instructions before you start building your Trap Kit. It’s a good idea to do a “dry fit” of the components, and to understand the construction details.

**NOTE:** If your baffle has not been cut for the drivers you will be using in this system, please do not proceed. Cut your baffle to fit the drivers and components that you will be installing, then follow the assembly instructions below:

Position one top/bottom (C) panel dado-side up on your work surface. This will serve as a template to keep the other panels lined up.

**NOTE:** You might need an assistant to hold panels in place during this part of the assembly, as you will be drilling pilot holes into the top and sides of the cabinet pieces and applying glue; or use clamps and straps to hold pieces in place temporarily.

**NOTE:** It’s a good idea to follow all assembly steps in a single session, to ensure proper panel alignment before the glue sets up. The dado joints will help “lock” the panels together for optimum squareness and strength.

Apply wood glue to the dadoed channels in the front panel (A), one side panel (B), and the back (E). Position the front panel (A), one side panel (B), and the back (E) into the “template” bottom (C). Align panels so that the corresponding joints fit into each other’s dado slots. Apply glue to the slots in the remaining top/bottom (C) and join it to the other three panels.

Drill internal pilot holes through the corresponding guide holes into the side (B), back (E), top/bottom (C), and front (A) panels. Install wood screws.

Turn the cabinet upside down and repeat the same process of gluing, pre-drilling, and installing wood screws into the remaining side panel (B) and the remaining top/bottom (C), the one that was keeping everything aligned.

Wipe excess glue from all edges.

Your cabinet should now look like the one pictured in **FIG.2**.

You are now ready to assemble the baffle frame. Use this if you want to attach a custom full-face metal grill to protect your speakers. **NOTE:** With slight modification and some additional hardware, the baffle frame pieces can also be constructed to serve as a detachable grill cloth frame.

Apply wood glue to baffle frame pieces (D) and set in place on front panel (A) edges. Pay careful attention to the bevel on the longer frame pieces and make sure they are aligned so that they match the side panels’ angles.

Drill pilot holes using the exterior pilot holes as guides. Once pilot holes are completed, install wood screws as before. Wipe off excess glue.

Your cabinet is assembled and ready for installation of all drivers and components. It is also ready for finishing with paint, stain, carpet, or whatever method you prefer.