

Dual 6 ½ Dayton Transmission Floor Standing Speakers

Parts List for Speaker Pair from [Parts Express](#)

4 [6 ½ Shielded Dayton Classic Woofers](#)

2 [Dayton DC28FS-8 1-1/8" Shielded Silk Dome Tweeter](#)

Crossover Parts from [Parts Express](#) See crossover schematics for assembly details

2 [C1 \(027-427, Dayton MPP\)](#)

2 [C2 \(027-420, Dayton MPP\)](#)

2 [Ce \(027-358, Non-Polarized Electrolytic\)](#)

2 [L1 \(266-814, 18 ga. AirCore\)](#)

2 [L2 \(266-816, 18 ga. Air Core\)](#)

[Parts Express](#) Crossover Resistors

2 [Req \(016-6, 10W\)* 6 ohm resistors](#)

2 [Rs \(016-2, 10W\) 2 ohm resistors](#)

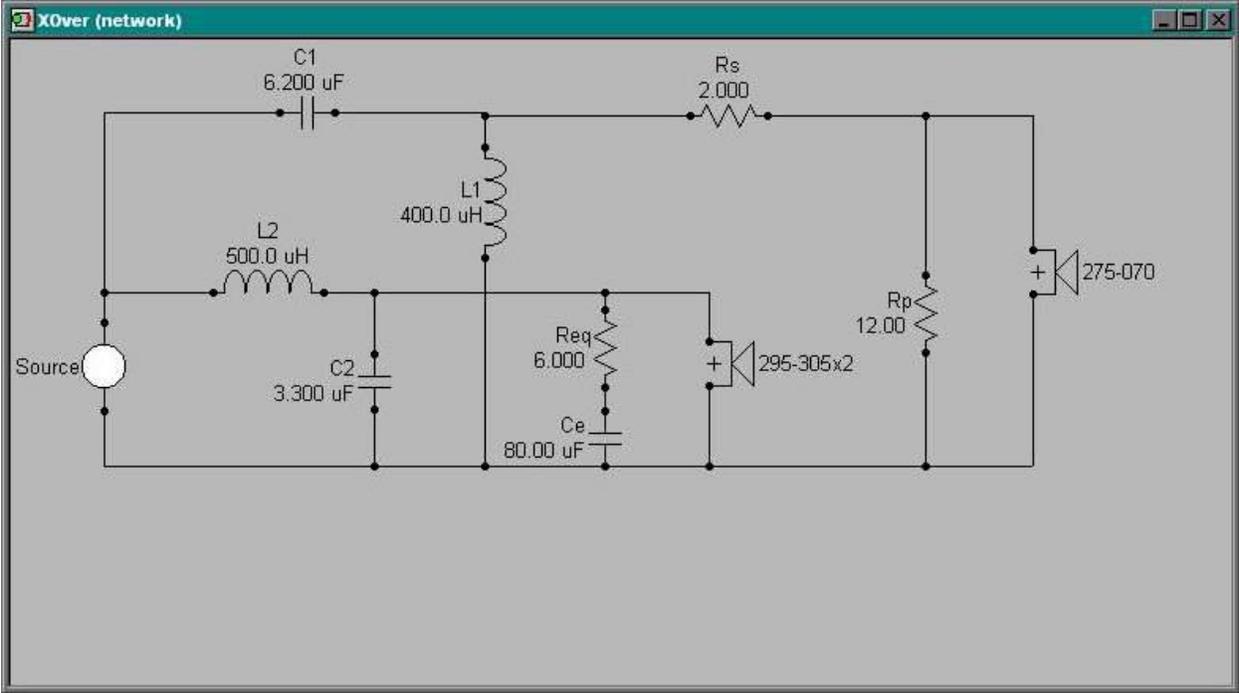
2 [Rp \(016-12, 10W\)](#) 12.5 ohm resistor (schematics call for 12 ohm but 12.5 is all Parts Express has available.

Other Parts and Materials

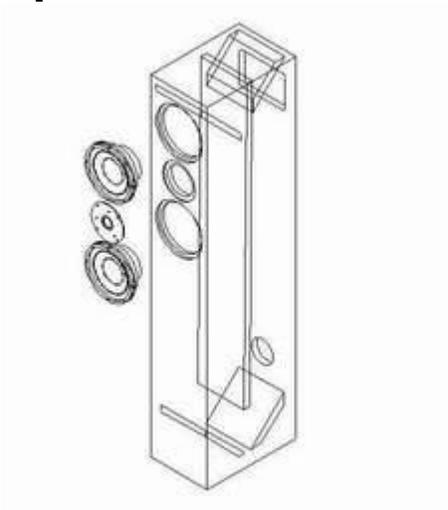
2 [Speaker Terminals](#)

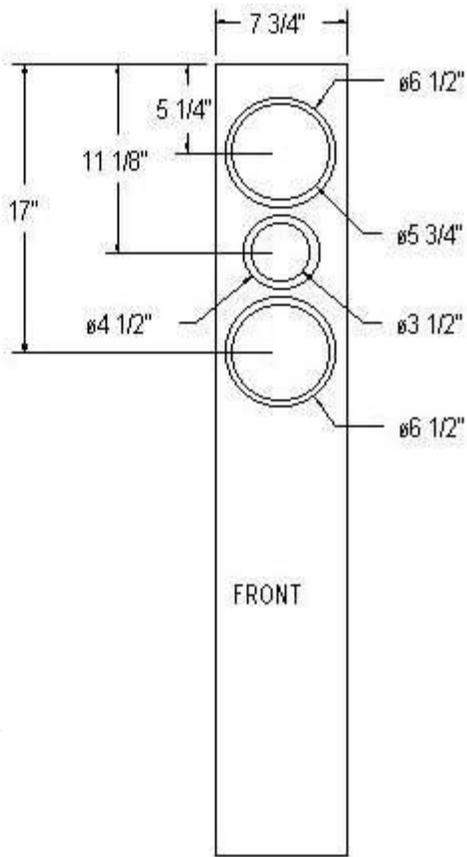
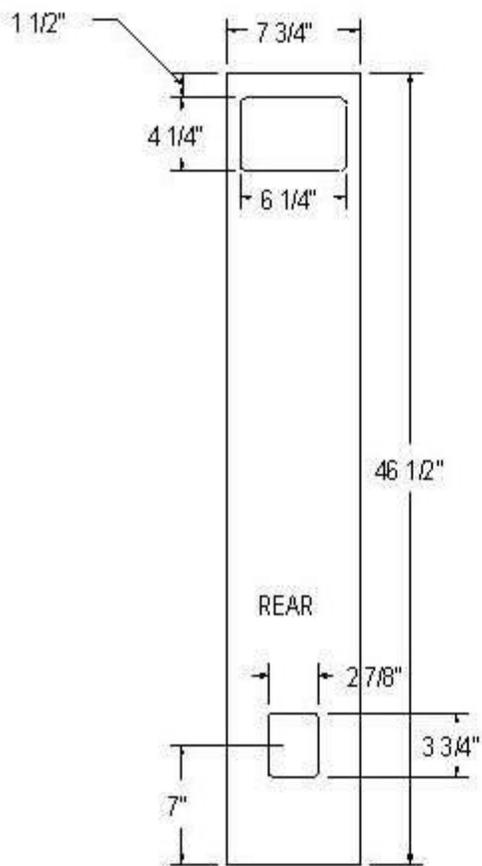
16 Oz of polly stuff (can be purchased from arts and crafts store)

Crossover Schematics

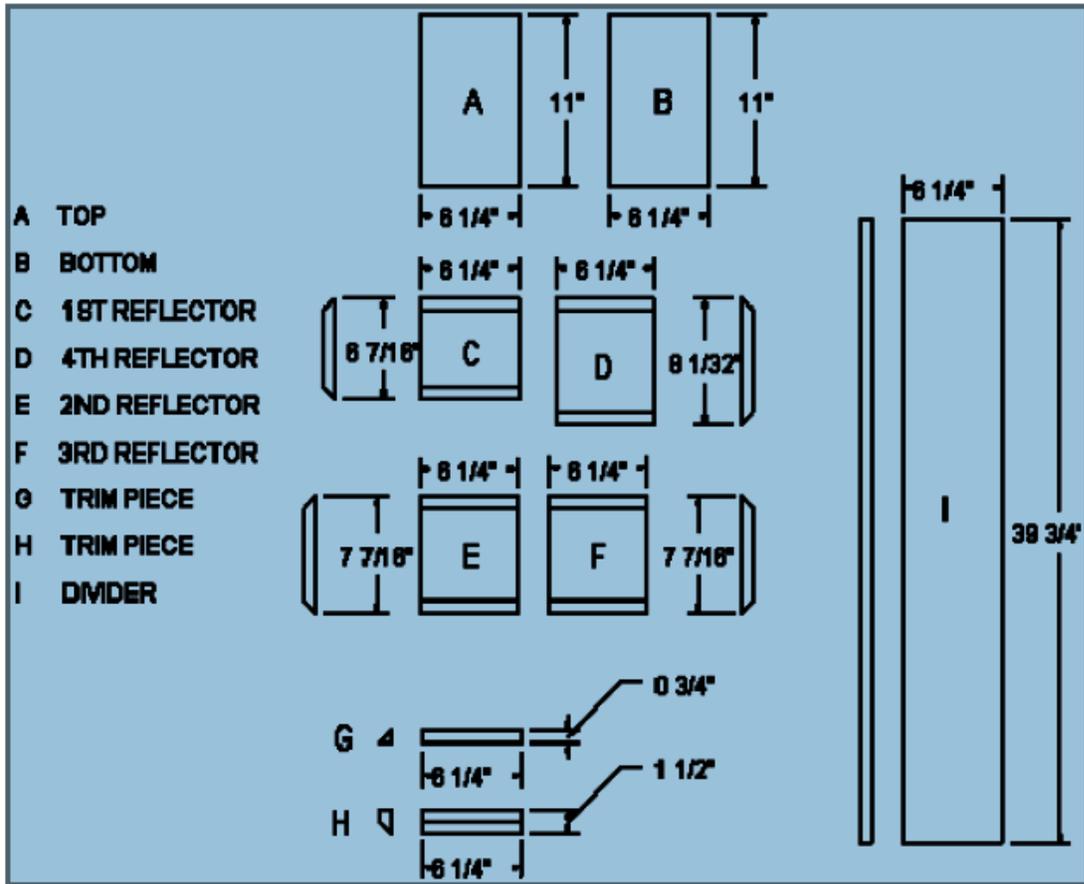


Speaker Plans





Reflectors



Here's a building sequence to use:

Cut out all parts.

Cut driver openings and flush mount recesses in baffle. If you're using a Jasper jig, you probably need to cut the flush mount recess first. For other methods, you can either cut the flush mount recesses now or wait until the veneer is applied.

Cut hole for terminal cup in rear panel.

Lay out in pencil the locations of the four reflectors and the divider on both side panels.

Glue/screw the divider, top, and bottom in place between the two sides.

Glue/screw the four reflectors in place.

Install triangular piece "G" to top of reflector "C".

Install piece "H" onto rear panel centered horizontally and at a point which will be 4 1/4" below the lower edge of piece "G". Note, these last two steps are done now so that the terminus can be cutout with a router using "G", "H", and the sides as guides.

Run wiring from driver holes to rear of speaker, much easier to do it BEFORE completing assembly.

Glue/screw the front baffle and rear panel in place.

Cut out the terminus (port) opening.

Paint or apply veneer as desired.

Install acoustic foam behind the drivers on the front side of the divider.

Install poly-fil stuffing. Install drivers.

Stuffing procedures: start with about 3/4 of a bag (bags I buy are 20 oz, so that would be around 15 oz). Play music and listen with your ear at the terminus (port). If you hear midrange, add more stuffing...but, be conscious of adding too much

and cutting off the bass. If you have access to impedance measurements, adjust the stuffing to attain a single hump in the low frequency range. I will try to come up with a more definitive method, but, since your poly fill material may differ from what I have, it may be hard to do.



Base

These speakers will need a base. They are too narrow and will easily tip over. You can go with any base you like. I personally went the easy route and built some basic square boxes as pictured below. I used rubber feet from [Parts Express](#) to finish it off.



**Finished
Product**



Good luck and enjoy..