

Ohm Acoustics Corp.  
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## Walsh 4.4000 Upgrade Kit



Recommended Amplifier Power	70-300 watts
Impedance (typical)	6 ohms $\Omega$
Frequency Response	26 - 20,000 Hz
Sensitivity @2.8 Volts	88 dB
Recommended Room Sizes	4500-8500 cu. ft.

Thank you for your ongoing support of Ohm Walsh speakers, and congratulations on your new 4.4000 upgrade kit! Your upgraded speakers will have higher treble for more defined, “airy” details on music. Reproduction of voices will sound more natural. The bass will be tighter and tuned lower. They can also play louder.

### **Your kit contains:**

- (2) new Walsh 4000 drivers on new mounting boards
- (2) new grills to fit over the larger 4000 driver
- (2) new input boards, equipped with gold binding posts and internal hookup wires
- (8) longer mounting screws with nuts and washers.
- (2) vent adapters (foam-insulated black plastic rings)

### **Gather the following tools:**

- A nut driver or socket wrench, or
- A pair of pliers if you do not have a nut driver
- A hammer and chisel or wood block
- A bottle of white glue (Elmer’s will work fine)
- A nail gun or a staple gun
- A damp rag or paper towel

### **Assembly:**

1. Disconnect your Walsh 4 speakers from your system.
2. Remove the grills and drivers (four black knobs and one plastic wire connector)
3. Remove the original mounting screws. They should unscrew easily with only your fingers. If not, you may need a nut driver. If you do not have a nut driver, a pair of pliers will suffice.
4. Install the new mounting screws in all four holes. The screw should be fed from the bottom of the hole, with a small washer above and below that hole. Secure the screw with the nut. It need only be finger tight.
5. Set the cabinet on its side on top of a soft surface like a tablecloth or blanket (to protect the finish). You will be able to do the work on the floor, but it will be easier if you can work on an elevated surface like a table.
6. Slide the vent adapter into the vent opening until it sits flush to the bottom of the cabinet.
7. Using a hammer and chisel or wood block, knock out the old input board from the inside. Make sure to get all the pieces when you pull it out of the cabinet; anything loose inside your cabinet may rattle.
8. Run the wire on the back of the new input board from the outside of the cabinet, through the hole where the old input board used to be, all the way up to the top of the cabinet.

9. Apply glue liberally around the perimeter of the back of the input board (the side with the wire coming out of it) and line it up where it will be positioned over the rectangular opening. You will need a good air seal.
10. Fixture the board in place using nails or staples. One in each corner will be enough to hold the board in place while the glue dries. Wipe off excess glue with a damp rag.
11. Set the speakers upright and connect your new Walsh 4.4000 drivers to the end of the wire you ran from the bottom of the cabinet, by means of the plastic wire connector.
12. Install the new drivers by placing the driver board on top of the cabinet. Note that, since the new driver is bigger, the board will not sit recessed into the top of your cabinet like the old ones did. The four new screws you just put in should be accessible through the four holes in the corners of the driver board. Like your Walsh 4's, the Walsh 4.4000 drivers are designed asymmetrically with a left and a right. Make sure that they are facing forward, so that the sticker that reads "aim toward center of room" is on the front left corner of the right speaker and the front right corner of the left speaker.
13. Secure the driver boards to the cabinet by placing a large washer over each screw and tightening them down with the provided wing nuts.
14. Set your new grills on top of your upgraded speakers.
15. Reconnect your upgraded speakers to your system, using your new, gold-plated binding posts.
16. Enjoy the music!

### **Adjustments to fit your room:**

Walls reinforce low frequencies. By moving the speaker closer to the wall behind it, you are raising the frequency where this coupling occurs. If your room is small and they sound boomy, try moving the speaker farther away from the wall. Be advised that this adjustment will also affect the stereo imaging.

If you want more treble, rotate the speakers outward. If you want less treble, rotate the speakers inward.

### **Caution!**

Although your Ohm Walsh 4.4000 has been rated to be used with amplifiers of up to 300 Watts per channel, it is possible to damage your loudspeakers with smaller units. Heavily compressed music such as most kinds of rock, dynamic peaks in classical music, accidentally dropping the tone arm onto the record, or connecting devices into a live signal path can produce an inordinate amount of distorted power (as much as ten times the rated amount!) which is fed directly to the loudspeaker, and could lead to permanent damage.

### **Warning!**

DO NOT remove the perforated metal can that encases the driver. The design of the Ohm Walsh 4.4000 incorporates several critically placed transmission blocks. This acoustically transparent perforated metal can has been permanently bonded to its housing to protect precise alignment and performance by these blocks. Removal or damage of the can will seriously impair performance and void the warranty.

If you have any questions, give us a call!

Toll free: 800-783-1553

Outside the US call: 718-422-1111

Good Listening!

John Strohbeen  
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