

Installing A Passive Radiator A passive radiator is a special type of port. It can be used, where baffle space permits, to tune an enclosure to very low frequencies by varying the number of fiber tuning weights attached to the cone assembly. A passive radiator should be used only with the specific low frequency loudspeaker for which it is designed.

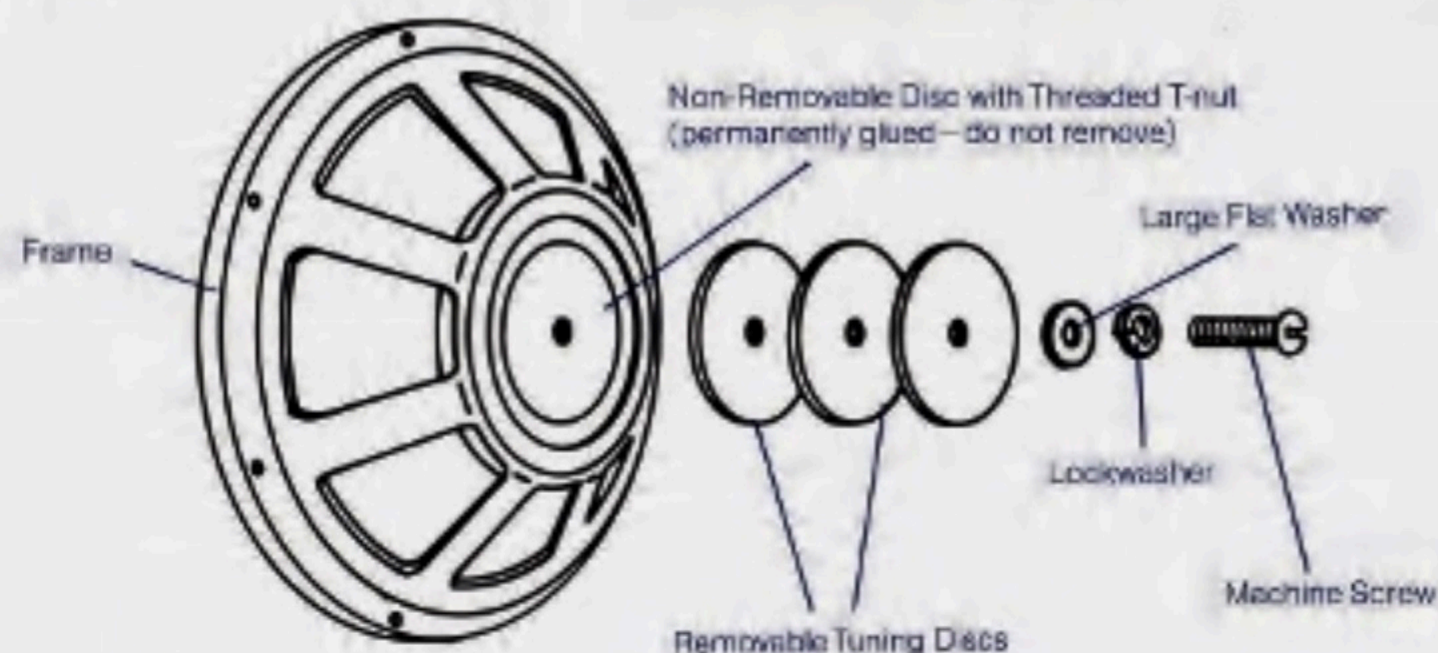
The passive radiator must be installed with the loudspeaker in an airtight enclosure of the recommended internal volume. Mounting dimensions are the same as for the loudspeaker. For optimum performance, place the two units side by side; however, they can be mounted in any configuration as long as they are no closer than two inches (50 mm) to each other, and not separated by more than six inches (150 mm). The number of tuning discs recommended for the enclosure volume, as given in the passive radiator tuning chart, is a guide for best overall performance, although you can experiment. Using fewer discs will result in stronger mid-bass performance at the expense of the very lowest tones.

Caution: A fiber disc is permanently glued to the back of the cone as an integral part of the passive radiator, and should not be confused with the tuning discs which may be attached when the unit is unpacked. (The information in the tuning chart relates only to removable discs.) Do not use the machine screw unless one or more tuning discs are required.

Tuning Chart For Passive Radiators

Install The Number Of Tuning Discs Indicated
For The Enclosure Volume

Model	Enclosure Volume		21-28		29-42		43-56		57-84		85-113		114-141		142-169		170-197		198-225		
	Litres	Cubic Feet																			
PR8 (use with LE8T)			2		1		0														
PR10 (use with LE10A)					3		2		1		0										
PR15 (use with LE15A)												3		2		1					0
PR15C (use with 136A, 124A)												6		5							



Tuning A Passive Radiator

When adding or removing tuning discs, be certain that the hardware is in the sequence shown. Tighten the machine screw only enough to hold the discs and washers snugly in place.