Subject: Vibration from enclosure surface
Posted by GarMan on Mon, 22 Nov 2004 21:00:09 GMT
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Just wondering how vibration-free should the outer surface of an enclosure be. Over the weekend, I cranked some thump-aty-thump dance music passed 11 to my 2235's and was definately feeling vibrations on the outer surface of the enclosure. I pressed my ears against the side of the cabinet and was able to hear muted music from it. These cabinets are built from 3/4 MDF, double thickness front baffle, and braced top-to-bottom, side-to-side, and front-to-back. Do I need more padding or bracing?Gar.

Subject: Re: Vibration from enclosure surface
Posted by Wayne Parham on Tue, 23 Nov 2004 05:56:12 GMT
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Sound travels through solids. As long as the panel isn't resonant, I'd say you're probably just fine.

Subject: Re: Vibration from enclosure surface
Posted by GarMan on Tue, 23 Nov 2004 13:55:39 GMT
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How do I tell the difference between vibrating and resonating?

Subject: Re: Vibration from enclosure surface
Posted by Wayne Parham on Tue, 23 Nov 2004 17:43:26 GMT
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If a panel resonates at a particular frequency, it will be louder at that frequency. But even if it doesn't, it will still pass sound through it a little bit because sound passes through solids.If what you're hearing is muted uniformly except for more deep bass, then your cabinet is probably pretty solid. If it is louder at some midbass frequency, then you may have a panel that could use another brace.