
Subject: Bass Rattling in Vehicle
Posted by [Equinom](#) on Thu, 12 Jul 2012 02:24:02 GMT
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I am not completely sure if this is the appropriate place for this post or not. However, I am in need of some advice.

Recently I noticed that the bass in our vehicle will make a rattling type noise if the volume is turned up too loud. What is causing this & how can I fix it?

Subject: Re: Bass Rattling in Vehicle
Posted by [Bill Wassilak](#) on Fri, 24 Aug 2012 23:28:09 GMT
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It's called resonance, where panels will start vibratng. Supposedly they make some sort of stick on insulators that help stop some of the resonances, but I'm not a heavy duty car audio expert either. I just know the car's sound like shit when they cruise by my house

Subject: Re: Bass Rattling in Vehicle
Posted by [Nymeria](#) on Tue, 25 Sep 2012 12:11:51 GMT
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This is one of the major issues I have with car audio. It seems that everyone I've ever ridden with thinks that rattling sounds good.

Subject: Re: Bass Rattling in Vehicle
Posted by [audioaudio90](#) on Fri, 28 Sep 2012 13:47:26 GMT
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Nymeria wrote on Tue, 25 September 2012 08:11 This is one of the major issues I have with car audio. It seems that everyone I've ever ridden with thinks that rattling sounds good.

Yes! This has been my complaint as well.

Equinom, you can purchase sound deadening material designed specifically for car audio. Installing it requires you to remove interior panels, so you'll need to be comfortable doing that or paying someone to do so.

Subject: Re: Bass Rattling in Vehicle
Posted by [VoigtClub](#) on Tue, 13 Nov 2012 23:32:27 GMT
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Yup, resonance. At those lowest "felt not heard" frequencies the pressure in the vehicle is yanking and popping the thin metal walls of the car 18-25 times a second.

The main product line for combatting panel resonance is called Dynamat, which is a tar-based tile that adhere's to the inner car body and dampens it through both mass and viscous resistance.

If only every DIY installer understood that your car isn't supposed to fart and installed some dynamat, I'd be much happier about those bass-head idiots cruising by.

Subject: Re: Bass Rattling in Vehicle
Posted by [Chicken](#) on Wed, 21 Nov 2012 14:35:09 GMT
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VoigtClub wrote on Tue, 13 November 2012 17:32
If only every DIY installer understood that your car isn't supposed to fart and installed some dynamat, I'd be much happier about those bass-head idiots cruising by.

Haha! It's good to know I'm not the only one who gets irritated. That rattling sound really sets my teeth on edge. I can't understand why so many people apparently like it.

Subject: Re: Bass Rattling in Vehicle
Posted by [srdmind](#) on Sat, 15 Dec 2012 09:17:40 GMT
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It's not necessarily resonance. If the speakers have a higher wattage rating than your amp, this will happen no matter how well you shield your speakers and wiring.

Subject: Re: Bass Rattling in Vehicle
Posted by [Wayne Parham](#) on Sat, 15 Dec 2012 15:36:13 GMT
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No, it has nothing to do with the "wattage rating" of your speakers or your amp. It has to do with the amount of acoustic energy and the structural integrity of the car.

Bill's right, at certain frequencies, it takes less power input to create a particular kinetic power level. At those frequencies, the structure (or part of the structure) vibrates strongly with relatively little energy input. That's where the car is most vulnerable.

Personally, I find it annoying. Cars are just a couple cubic meters, so it doesn't take much power to bring them to insane SPL inside the car. But when it makes all the panels vibrate and rub against each other, they sound like shit. So what's the point?

Subject: Re: Bass Rattling in Vehicle
Posted by [Azuri](#) on Fri, 23 Aug 2013 19:20:33 GMT
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For the people who do it, the point is to get noticed. They don't seem to care that it's annoying. They want to upgrade for the sake of it.

Subject: Re: Bass Rattling in Vehicle
Posted by [Fannie](#) on Mon, 30 Sep 2013 19:03:37 GMT
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I have to agree, Azuri. In my neighborhood there seem to be a lot of people bent on being noticed. The more annoying they can be the more they seem to like it.

Subject: Re: Bass Rattling in Vehicle
Posted by [Round2](#) on Wed, 09 Jul 2014 10:23:21 GMT
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We have so many young kids that drive by with their music up high. The base is so loud, it sounds like the beginning of a scary movie coming down the street. I usually hear them before I see them!
