Subject: inductors
Posted by Hoottie on Thu, 06 Dec 2018 05:59:05 GMT
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are foil coils worth the money although parts express do have some reasonably priced ones , where would i mount one in a pi tower two .if i understand the information out there they are sensitive to metal being near them .would i mount all the crossover parts on the bottom or a brace and run wires to the speakers ? do these questions make any sense at all LOL

Subject: Re: inductors
Posted by Wayne Parham on Thu, 06 Dec 2018 14:34:53 GMT
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There are several good mounting options. Here are a couple:

1. Use wire ties to mount the crossover components to one of the cross-braces.
2. Use silicon adhesive to fasten the crossover components to a board mounted to one of the internal panels. Or use the silicon to glue the parts directly onto one of the cabinet panels.

Subject: Re: inductors
Posted by gofar99 on Fri, 07 Dec 2018 02:38:16 GMT
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Hi I second the silicon adhesive. Hot melt will often work too. Whether the foil ones are worth it or not is subjective. I use them when the inductance needed is relatively small. One Henry or less. Above that the coil is often going to a woofer and needs to handle a lot of power so I use 12 gauge wire wound ones. Air core when possible. Big foil inductors get pretty costly and in my unprofessional opinion do not seem to make a lot of difference to woofer performance. One thing to be aware of is that they seem to have lower DC resistance than air core wire wound ones. This needs to be addressed in the design of the crossover. Wayne is the expert on this and for particulars I would refer to him.