Subject: Peavey speaker questions
Posted by Mike Gibson on Fri, 27 Jun 2008 06:40:00 GMT
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Our museum has a pair of Peavey Sp 6G speakers. On one the woofer only works when you plug the jack into the low plug as if you were bi-amping. So the woofer is good. On the two full range ports only the horn works.The crossover has a built in proprietary "Sounf Guard" that only protects the horn. My questions are-What normally goes bad to cause this? It has to PCB's in it. A small one where the phono jacks plug in and the one with the crossover and the protection circuit.Is there one thing that goes wrong normally or what? I i,agine I'd have to buy the whole board or maybe both.. Any help would be appreciated.Mike

Subject: Re: Peavey speaker questions
Posted by Wayne Parham on Thu, 03 Jul 2008 20:16:37 GMT
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Have you opened it up and inspected it? I wonder if the crossover PCB inside just has the woofer disconnected. I would assume that the direct-connect plug must disable the crossover when something is inserted, otherwise the passive crossover components would still be across the driver when not needed. My guess is it does that by open-circuiting the return side. It would be worth looking inside because I think the problem might be obvious, disconnected plug broken wire, etc.

Subject: Re: Peavey speaker questions
Posted by GraemeG on Mon, 07 Jul 2008 17:13:08 GMT
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On these, the "low" jack has normally closed contacts which connect the crossover into circuit when the socket is unused. When the biamp sockets aren't normally used, the closed contacts can develop corrosion which leads to a resistive contact, which produces heat and weakens the spring of the contact , compounding the problem until it no longer works. It will just need a new socket soldered into the PCB, but you will have to get the correct type (they are available aftermarket) - there are many variations of phono sockets.