

---

Subject: Can I fix a creased cone?

Posted by [JLapaire](#) on Thu, 06 Nov 2003 15:20:52 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Fellow Pi-ers, The driver in question is an Em Delta Pro 15 and it's got two creases that form a rough triangle from surround to dust cover. It didn't rip, but you can see the cone is weakened and I'm afraid it'll flap itself to death under power. It's used as a midbass up to 1.6k or 1.8k and won't see much below 80 or so. The cone sort of pulled itself back into shape after sitting for a while so it's not oval or anything, but when I push it in gently at the cone/dust cover joint you can see that the crease wants to flex. Should I paint a couple of coats of thinned dammar just on the creases to bond the fibers together? Some other kind of goop? I've got some duct tape left over from the last time I did my sneakers... Thanks in advance, John

---

Subject: Re: Can I fix a creased cone?

Posted by [Tightwad](#) on Thu, 06 Nov 2003 16:03:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I would just use it until it busts (if ever).

---

Subject: Well,...

Posted by [Wayne Parham](#) on Thu, 06 Nov 2003 16:27:02 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Wow, John, that's a bummer. How did it happen? You know how it is with machines. If something is damaged, you can limp along or you can rebuild. If you limp along, you can't reach full potential, but sometimes that's what you must do. And if you don't need full potential, then there's no problem with it. But I'm sort of picky about stuff like that. If I have the money, I want to do a whole rebuild. You can probably get those reconed pretty inexpensively, so I'd suggest that as your best option. It's the only way they'll be 100% the way they're designed to be. Then again, if you can't get them reconed right now, by all means, give them a bead of diluted white glue or something to strengthen the damaged area. Keep the glue off the surround 'cause the glue will dry rigid and will cause folding of the fibers at the edge of the glue seam. I've done this kind of repair a lot on very old speakers in things like tube radios when the cone is damaged but I don't want to recone. I usually put white glue on my finger and have a cup of water nearby to dip my finger in to dilute the glue. I then apply the diluted glue onto the damaged area, lightly pressing the cone to saturate the fibers with diluted glue. Use as little as possible along the crease, but try to surround the crease along its path. When I have used what I felt was enough to unbalance the cone, I put equal amounts in places around the cone to rebalance it somewhat. I usually do this in three spots, 120° apart. But dried glue isn't very heavy actually, and this probably isn't necessary

in most cases. So tell us now - How did it happen? Inquiring minds want to know.

---

---

Subject: Shipping

Posted by [JLapaire](#) on Fri, 07 Nov 2003 09:21:30 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Thanks for the advice Wayne, I'll do that very thing. Got plenty of Titebond 2 about the place. A packing error was the culprit, and the packer has offered to recone or whatever is necessary to make good - was a real gentleman about it. Sounds like an easy fix, and for the price I paid I'm a happy camper. If it blows up I can recone as the motor's worth it. I was going to put them in my Karlsons, but think they'll be better in mid-tops, 1/4 scale Theater 4 high-passed at 200 to ride a 150hz bump flattish to about 100. Omega 18s will do the bottom octave and a half or so. Thanks again, John

---