
Subject: Farewell... and a huge thanks.

Posted by [manic](#) on Sat, 24 Feb 2007 04:56:29 GMT

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s I have an automatic vacuum, so that takes
>> care of most of it within a day or so, and if it's swimming
>> weather I can always just switch to the manual vac & help it
>> out if needed. So this morning I wake up & it's still kinda
>> crappy outside, and so I go out back to see what kind of
>> leaves, plastic bags, squirrels, etc have ended up in my pool,
>> and I find this (see pic). It's a friggin newspaper! Looks like
>> a whole damn newspaper, in fact, not just a section of it! How
>> the hell am I gonna get that sucker out of there? I ain't goin'
>> in after it, that's for sure - the thermometer out back says 39
>> degrees right now, so I can only imagine what the water
>> temperature must be! lol
>> I don't even know if I'll be able to grab that stuff with the
>> skimmer net, because that's ten feet down and I can't get any
>> leverage with the pole extended that far, and that waterlogged
>> newsprint is gonna be pretty heavy, I imagine!
>>
>> ARRRGH!
>
>This is a multi-part message in MIME format.

-----=_NextPart_000_0020_01C77927.4285D120

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charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Neil, Edna, couldn't the rectifier just have gone Kablooey? As you say =
it could be symptomatic of another problem but if you read my last post, =
I may have been overloading the thing. Looking at the circuit board =
carefully, I see no other browned or burned resistors, etc. Maybe I'll =
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of bucks if it doesn't work. The unit was bought used from another owner =
a few years ago, on ebay, and I'm not sure if it is still under =
warranty. I'll have to look into this. I probably know just enough to =
get this wrong, but wish me luck. I know..... I'll soon be hearing, =
"I told you so"! :-)

Thanks,
Rich

"Rich Lamanna" <richard.lamanna@verizon.net> wrote in message =
news:46178cc2\$

Subject: Re: Farewell... and a huge thanks.
Posted by [John \[1\]](#) on Sat, 24 Feb 2007 05:12:39 GMT
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hard.lamanna@verizon.net" target="_blank">richard.lamanna@verizon.net> wrote in message
> >>news:4617a41b@linux...

> >>> Kim, I like your name for them much better. There are actually 2 of
> >>> these

> >>> RS202L's side by side, so do you still think it a good idea to ramp up
> > the

> >>> capacity? You say that something else caused it to blow, what could
that

> >

> >>> be?

> >>> I wasn't using it at the time. Something I left out is that the power

> > is

> >>> always on when my rack is switched on, which probably isn't a good
idea

> >

> >>> and

> >>> I believe my phantom power was on for most of the channels, again

> >>> probably

> >>> not a good idea. Thanks for the help. I assume pos and neg are in the
> > same

> >>> direction as the other rectumfrier beside it?

> >>>

> >>> Thanks,

> >>> Rich

> >>>

> >>>

> >>> "Kim W." <no@way.com> wrote in message news:46179502\$1@linux...

> >>>>

> >>>> It's a rectifier bridge.

> >>>> (Or as I call 'em... "rectumfriers").

> >>>> <http://www.chipdocs.com/datasheets/datasheet-pdf/RECTR/RS201.html>

> >>>> It's actually not one diode, but four, prewired to convert AC into

> >>>> DC. (Usually followed by some hefty electrolytic capacitors.

> >>>> (Oh yeah..... yanks call those "condensers".

> >>>> My guess is that there was something else that caused this to blow.

> >>>> If I were to replace this, I would put a larger capacity

> >>>> equivalent in it's place. (just get the + & - right, the ~ refers

> >>>> to the AC input, so it don't matter.)

> >>>> Stick a 4 amp, 100V unit in it's place, and you'll be right.

> >>>> THEN, find out what caused it to blow.

> >>>> Kim

> >>>>

> >>>>

> >>>>

> >>>>

> >>>> "Rich Lamanna" <r

Subject: Re: Farewell... and a huge thanks.
Posted by [Kim](#) on Sat, 24 Feb 2007 05:33:57 GMT
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x.cfm?fuseaction=3Duser.viewprofile&friend=" target="_blank">
http://profile.myspace.com/index.cfm?fuseaction=3Duser.viewprofile&friend=
d=
> >>>> >id=3D172230696
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> >>>> ><META content=3D"MSHTML 6.00.2800.1555" name=3DGENERATOR>
> >>>> ><STYLE></STYLE>
> >>>> ></HEAD>
> >>>> ><BODY>
> >>>> ><DIV>Hello, Easter greetings by the way. Hey the =
> >>>> > other day I=20
> >>>> > smelled smoke and heard a crinkling sound in the back of my =
> >>>> > preamp=20
> >>>> > rack and later discovered the cause was my Presonus M80's power
supply
> > =
> >>>> > which is=20
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> >>>> > grey thing=20
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> > =
> >>>> > the=20
> >>>> > board. Any one know what this is? I can't get a picture just yet up
> > on =
> >>>> > the net=20
> >>>> > but I'll try and describe it.</DIV>
> >>>> ><DIV> </DIV>
> >>>> ><DIV>It's appx. 3/4" by 1/2" by 1/4" thick, has 4
pins
> > on
> >>>> =
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> >>>> >bottom which solder to the cuicut board, dark grey colored and is=20
> >>>> >coded:</DIV>
> >>>> ><DIV> </DIV>
> >>>> ><DIV>-->| RS*202L</DIV>
> >>>> ><DIV>RU A 90 </DIV>
> >>>> ><DIV>+ AC -</DIV>
> >>>> ><DIV> </DIV>
> >>>> ><DIV>Anyone of you electronics wizards know where =
>

Subject: Re: Farewell... and a huge thanks.
Posted by [Morgan](#) on Sat, 24 Feb 2007 12:33:36 GMT
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>Yes, it could've just gone kablooey, affecting no other components, but what a bridge rectifier does is to turn the various cycles of AC current into steady & polarized DC. If that thing went kablooey and created an open circuit in the process, than it's possible no other components were affected; if it kablooied into a short, then whatever components that are next in line after it got a nice dose of AC, which may have caused a subsequent kablooation of those parts as well.

Just 'cause they don't "look" bad, doesn't mean they ain't.

Neil

"Rich Lamanna" <richard.lamanna@verizon.net> wrote:

>

>

>Neil, Edna, couldn't the rectifier just have gone Kablooey? As you say =

>it could be symptomatic of another problem but if you read my last post,
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>I may have been overloading the thing. Looking at the circuit board =
>carefully, I see no other browned or burned resistors, etc. Maybe I'll =
>send it in, but I might try to fix it myself as it will be only a couple
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>of bucks if it doesn't work. The unit was bought used from another owner
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>a few years ago, on ebay, and I'm not sure if it is still under =
>warrantee. I'll have to look into this. I probably know just enough to =
>get this wrong, but wish me luck. I know..... I'll soon be hearing, =
>"I told you so"! :-)
>
>Thanks,
>Rich
>
> "Rich Lamanna" <richard.lamanna@verizon.net> wrote in message =
>news:46178cc2\$1@linux...
> Hello, Easter greetings by the way. Hey the other day I smelled smoke
=
>and heard a crinkling sound in the back of my preamp rack

Subject: Re: Farewell... and a huge thanks.
Posted by [manic](#) on Sat, 24 Feb 2007 14:02:26 GMT
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and later =
>discovered the cause was my Presonus M80's power supply which is now =
>deep fried. Well I took the supply apart and found that this dark grey =
>thing on the cuircut board, I think it's a diode ->I, melted right off =
>of the board. Any one know what this is? I can't get a picture just yet
=
>up on the net but I'll try and describe it.
>
> It's appx. 3/4" by 1/2" by 1/4" thick, has 4 pins on the bottom which
=
>solder to the cuicut board, dark grey colored and is coded:
>
> -->| RS*202L
> RU A 90=20
> + AC -
>
> Anyone of you electronics wizards know where the heck I can find one =
>of these?
>
> You guys are great,
> Thanks

```

> Rich
>
> PS. By the way I broke down and got a Myspace site now. Check it out.
> =
> http://profile.myspace.com/index.cfm?fuseaction=3Duser.viewprofile&friend=
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><STYLE></STYLE>
></HEAD>
><BODY bgColor=3D#ffffff>
><DIV>
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>:-)</FONT></DIV>

><DIV><FONT size=3D2>Thanks,</FONT></DIV>
><DIV><FONT size=3D2>Rich</FONT><BR></DIV></DIV>
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> <DIV>"Rich Lamanna" <<A=20
> =
> href=3D"mailto:richard.lamanna@verizon.net">richard.lamanna@verizon.net</=
> A>>=20
> wrote in message <A=20

```

> href=3D"news:46178cc2\$1@linux">news:46178cc2\$1@linux...</DIV>

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Subject: Re: Farewell... and a huge thanks.

Posted by [manic](#) on Sat, 24 Feb 2007 14:03:51 GMT

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> <DIV>Thanks</DIV>

> <DIV>Rich</DIV>

> <DIV>PS. By the way I broke down and got a Myspace site

=

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> Check it out.</DIV>

> <DIV><A=20

> =

>href=3D" http://profile.myspace.com/index.cfm?fuseaction=3Duser.viewprofile&friendid=3D172230696">http://profile.myspace.com/index.cfm?fuseaction=3Duser.viewprofile&friendid=3D172230696 </DIV>
> <DIV>

</DIV></BLOCKQUOTE></BODY></HTML>
>
>No Edna it didn't blow a fuse or circuit breaker, no burnt or brown marks either on the board.

Rich

"Edna" <edna@texomaonline.com> wrote in message news:4617b541@linux...
> "Something else" causing it to blow is probably right. If you just replace
> the rectifier, it may do the same thing again. Maybe a blown semiconductor
> component causing a short to that circuit. Also maybe a shorted filter
> capacitor. Look for burned or dark resistors or burned circuit board to
> trace to a faulty component. Did it blow a fuse or circuit breaker?
> Edna
> "Rich Lamanna" <richard.lamanna@verizon.net> wrote in message
> news:4617a41b@linux...
> > Kim, I like your name for them much better. There are actually 2 of these
> > RS202L's side by side, so do you still think it a good idea to ramp up the
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> > always on when my rack is switched on, which probably isn't a good idea
> > and
> > I believe my phantom power was on for most of the channels, again probably
> > not a good idea. Thanks for the help. I assume pos and neg

Subject: Re: Farewell... and a huge thanks.
Posted by [Kim](#) on Sat, 24 Feb 2007 15:02:54 GMT
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w.
> >> Kim
> >>
> >>
> >>
> >>
> >> "Rich Lamanna" <richard.lamanna@verizon.net>

Subject: Re: Farewell... and a huge thanks.
Posted by [emarenot](#) on Sat, 24 Feb 2007 17:18:45 GMT
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```

Subject: Re: Farewell... and a huge thanks.
Posted by [Deej \[4\]](#) on Sat, 24 Feb 2007 17:26:33 GMT
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<META content=3D"MSHTML 6.00.2800.1555" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>Edna, yes the power supply can run on its own, =
doesn't need to=20
be plugged in for it to function. I have it disconnected at the moment. =
Why do=20
you ask?</DIV>
<DIV> </DIV>
<DIV>Rich
</DIV>
<BLOCKQUOTE dir=3Dltr=20
style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
 <DIV>"Edna" <<A=20
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wrote in=20
 message <A =
href=3D"news:4617f977@linux">news:4617f977@linux...</DIV>
 <DIV>Its possible, but not likely, =
especially if its=20
 not a new unit, which would be more likely to have a defective=20
 component. <div>Something caused a current overload through it to =
burn it=20
 up. <div>But apparently not a direct short which would have blown the =
fuse as=20
 well. <div>I've seen many leaky filter caps do this - these are the =
large=20
 caps that filter the ripple voltage or small ac component off the =
DC. <div>A=20
 blown voltage regulator is another likely suspect, as far as the PS=20
 itself. <div>Can the PS run by itself w/o being connected to the=20
 M80? <div> </DIV>
 <DIV> </DIV>
 <DIV>ich Lamanna&qu

Subject: Re: Farewell... and a huge thanks.
Posted by [rick](#) on Sun, 25 Feb 2007 10:51:01 GMT
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