




Hello jjasilli		December 19, 2009, 07:59:27 pm
	<p>News: Welcome to the Hoffman Amplifiers amp forum. Please read the Announcements board for important info. Guest can view the forum postings but guest cannot post in the forum until they are a registered member of the forum. After you register, I will review your registration info and then approve your registration personally. You will then be able to log onto the forum and post. Not getting emails from the forum? See the announcements board below for info. If you are having a problem logging in, please read the Announcements board for important info. Thanks, Doug Hoffman</p>	
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Hoffman Amplifiers > Amp Stuff > Tube Amp Building - Tweaks - Repairs (Moderators: Geezer, tubenit, PRR, sluckey) > Topic: **Relay switching noise**

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 Author Topic: Relay switching noise (Read 24 times)

[jjasilli](#) and 0 Guests are viewing this topic.

Twanger

Level 3



Offline



Relay switching noise

« on: December 19, 2009, 03:11:18 pm »



Hi all,

Posts: 667

In my last project im using a relay to bypass a preamp, im getting a big pop when i engage the relay, is there a fix for that ?



Thanks

John

The tone quest never end!

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**robertlathan**

Level 3


 Online

Posts: 521



I love tube
amps

**Re: Relay switching noise**

« Reply #1 on: December 19, 2009, 03:40:31 pm »

[Quote](#)

tie a diode across the coil of the relay. and if it still pops use a large 2200uf low voltage cap on the positive side of coil to ground.

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DAZED AND CONFUSED!

tubesornoth

Level 3


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Posts: 1902



A strong
spark ought
to bear
calamities...

**Re: Relay switching noise**

« Reply #2 on: December 19, 2009, 03:46:05 pm »

[Quote](#)

Is the switch in series with the preamp? This often causes pop, adding another switch shunting to ground cures the pop.

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**JayB**

Level 3


 Online

Posts: 690



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**Re: Relay switching noise**

« Reply #3 on: December 19, 2009, 05:38:50 pm »

[Quote](#)

That or make sure grids are not flying free before and after the relay. They need a ground reference or the voltage builds up after the cap.

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You're going to hell faster than Britney Spears running to a Barber shop



Twanger

Level 3



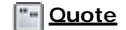
Offline

Posts: 667



Re: Relay switching noise

« Reply #4 on: December 19, 2009, 07:11:17 pm »



thank you all for your help, I will try the tricks you proposed and see if it cures the problem.

John

The tone quest never end!



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