

←Image Scroll Controls Click on images-go to catalog page



You can scroll through the images above using the Image scroll controls or you can use the Left and Right arrow keys on your keyboard.

Hello jjasilli - Welcome To the Hoffman amplifiers Forum		August 13, 2013, 09:17:57 am
	OPEN YOUR ONLINE STORE Try it Free No credit card No obligation	
	Show unread posts since last visit. Show new replies to your posts. Total time logged in: 24 days, 17 hours and 39 minutes.	
<input type="text"/>		<input type="button" value="This topic"/> <input type="button" value="Search"/>

HOME HELP SEARCH PROFILE MY MESSAGES MEDIA MEMBERS LOGOUT

Hoffman Amplifiers > Amp Stuff > Tube Amp Building - Tweaks - Repairs (Moderators: [Geezer](#), [tubenit](#), [PRR](#), [sluckey](#)) > **loud pop with boost switch**

« [previous](#) [next](#) »

Pages: [1] [Go Down](#)

[REPLY](#) | [NOTIFY](#) | [MARK UNREAD](#) | [PRINT](#)

Author Topic: loud pop with boost switch (Read 183 times)

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

[dscottguitars](#)

Level 2



Offline

Posts: 131



[loud pop with boost switch](#)

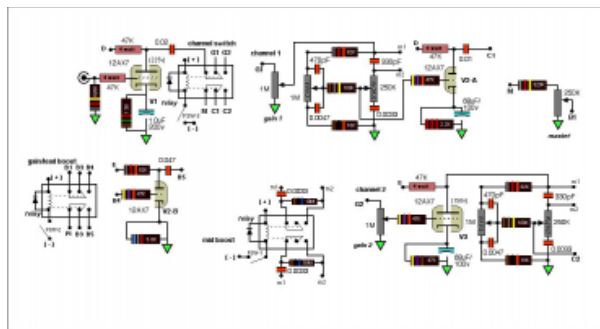
« on: August 10, 2013, 05:36:41 pm »

[Quote](#)

Hi, I have a new preamp I'm working on for a bassman clone power amp. Everything works great except for the boost, it pops really loudly on and off. It's on the footswitch with a relay. I am trying to add another tube stage for the boost, an idea a friend of mine had. Is this something I can do w/o the pop noise?

Thanks,

Daniel



[new_preamp.jpg](#) (94.02 KB, 1112x600 - viewed 20 times.)

[Report to moderator](#) [Logged](#)

[sluckey](#)

Global Moderator

Level 5



Offline

Posts: 8249



[Re: loud pop with boost switch](#)

« **Reply #1** on: August 10, 2013, 07:29:27 pm »

[Quote](#)

I can't tell what you're trying to switch. Does V2B cathode really connect directly to ground?



[Report to moderator](#) [Logged](#)

dscottguitars

Level 2
 Offline

Posts: 131



Re: loud pop with boost switch

« **Reply #2 on:** August 10, 2013, 07:35:21 pm »

[Quote](#)

No... sorry that's a mistake in the drawing. The cathode goes through the resistor to ground. The boost switch: from the master to the relay, closed- it goes directly to the PI (phase inverter); or open- it goes to V2B, back to the relay to the PI.



[Report to moderator](#) [Logged](#)

dscottguitars

Level 2
 Offline

Posts: 131

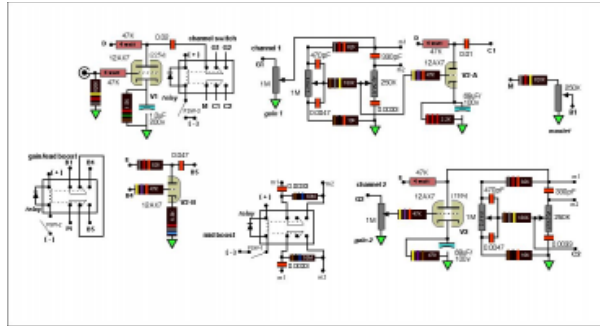


Re: loud pop with boost switch

« **Reply #3 on:** August 10, 2013, 07:43:05 pm »

[Quote](#)

here's a correct drawing and showing the gain/lead boost a bit clearer - I hope...



[new_preamp.jpg](#) (93.57 KB, 1112x600 - viewed 14 times.)

[Report to moderator](#) [Logged](#)

PRR

Global Moderator
Level 5
 Offline

Posts: 8720



Re: loud pop with boost switch

« **Reply #4 on:** August 10, 2013, 09:18:54 pm »

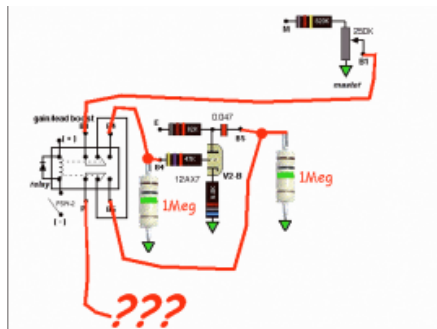
[Quote](#)

TMI, also NEI. Can't even find "P1".

Needs bleed resistors.

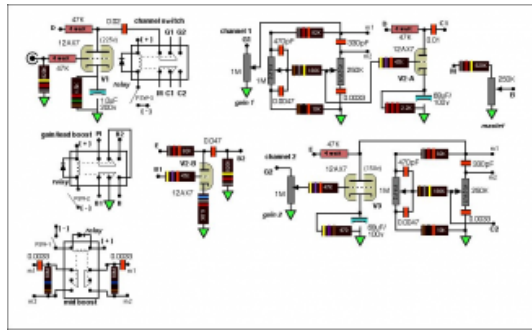


Maine USA



[new-preamp-less-pop.gif](#) (11.06 KB, 647x482 - viewed 14 times.)

[Report to moderator](#) [Logged](#)



[new_preamp.jpg](#) (90 KB, 945x576 - viewed 3 times.)

[Report to moderator](#) [Logged](#)

PRR

Global Moderator
Level 5



Offline

Posts: 8720



Maine USA



Re: loud pop with boost switch
 < **Reply #12 on:** August 12, 2013, 09:17:24 pm >

[Quote](#)

> grid of the gain stage is grounded by the relay when the gain stage is switched off.

That works too. Ways to skin cats.

Note that he also has my 1Meg, except he used 470K. No real difference.

Walking in starlight I estimated the leakage resistance of a capacitor. Good caps leak less than 1uA per uFd. So 1uFd at 100V is like >100meg. You have 0.05uFd, so 20X higher, 2,000Meg. You probably have more like 200V, so 2X higher, 4,000Meg.

With 200V through a 4,000Meg leak into a 1Meg bleeder you have 0.05V. Most places in a tube amp, that's a small pop. Caps are better than they say, the leak voltage is smaller, usually no problem.

Your first plan showed "infinite" bleeder when not-Gained. 4,000Meg/infinity is the full 200V. It takes about 3 minutes to get most of the way there. Say your solo comes 2 minutes into the song, there's over 100V DC waiting at B5; compared to ~1V signal. POP.

[Report to moderator](#) [Logged](#)

Pages: [1] [Go Up](#)

[REPLY](#) | [NOTIFY](#) | [MARK UNREAD](#) | [PRINT](#)

[< previous](#) [next >](#)

Hoffman Amplifiers > Amp Stuff > Tube Amp Building - Tweaks - Repairs (Moderators: [Geezer](#), [tubenit](#), [PRR](#), [sluckey](#)) > **loud pop with boost switch**

Jump to:



Powered by SMF 1.1.18 | SMF © 2013, Simple Machines



This is the [Hoffman amplifiers](#) tube amp parts catalog, please choose a link below.

Amp trim/Handles	Bike Lighting parts	Board Building Parts	Guitar Strings/Books
Capacitors	Chassis/Boxes	Foot Pedals	Fuses/Cords/AC
Jacks/Plugs/connectors	Pots/Knobs	Lamps/Diodes/Channel Switching	Misc. Hardware
Resistors	Reverb Items	Screws/Nuts/Washers	Switches
Tools-Batteries	Transformers	Tubes/Valves	Tube Sockets
Wire/Cable	Public Parts list Page	Search the Hoffman Amps parts catalog	Non Stocked Parts

The Tube amp Library of information
 Click the link above for Tube amp info, Schematics, Board building information, Projects, Mods, Transformer diagrams, Photos, Sound clips. There are hundreds of pages of Tube amp information on my library page.
[Check out our huge library of schematics here](#)