

PIERSON AMPLIFIERS DELUXE AMP 1950's REPRODUCTION

USERS MANUAL



Congratulations! You are now the proud owner of a Pierson Deluxe Amp Reproduction from the 50's. I would like to thank you and I am confident that you will enjoy your amplifier for years to come.

This amp was entirely made and assembled by hand in the USA by myself using only the highest-quality components, regardless of price.

Such features include:

- Handcrafted / varnished Tweed covered finger jointed solid pine cabinet
- Carbon comp resistors
- Industrial tube sockets
- High quality capacitors
- Hand wired using the Fender® 5E3 circuit schematic.
- Hand selected tubes (See tube chart for details)

Unpacking

Before you plug in, inspect your Champ amp for any damage. Your amp was heavily inspected and sound-tested prior to shipping, but transportation can sometimes be rough. If any damage has occurred or if parts are missing, contact your dealer.

Warning:

To avoid the risk of shock or fire, do not expose this amplifier to moisture (keep your amp in a dry place). Do not remove the chassis from its cabinet. Removing the chassis from its cabinet exposes extremely dangerous high voltages. There are no user-serviceable parts inside. Any modifications will void the warranty. Hazardous voltages are present inside the chassis. Refer all servicing to qualified personnel.

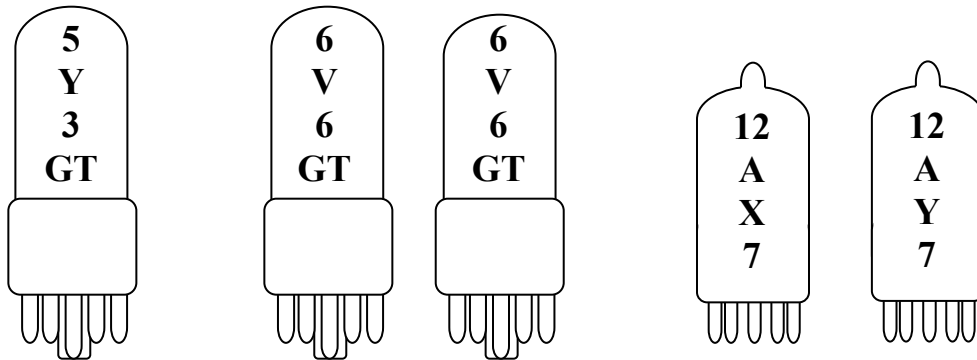
Safety tips:

- To avoid a fire hazard, always replace the fuses with the same type and rating.
- Always turn OFF the amplifier before making or unplugging any speaker connections.
- Always transport your amplifier securely, preferably in a suitable flight case or packing box.
- Before operating your amplifier, be sure the speakers used are properly connected.

Warranty:

I stand behind every amplifier I make. Every Pierson amplifier is guaranteed against defects in craftsmanship and components for the life of the amplifier (or my life, whichever ends first) as long as it remains in possession of the original owner. Second hand amplifiers are not supported by the warranty. Any user modifications or external modification(s) even by a qualified technician, abuse (beware, bad karma...), and damage beyond normal wear and tear will void this warranty. LP

Installing Tubes



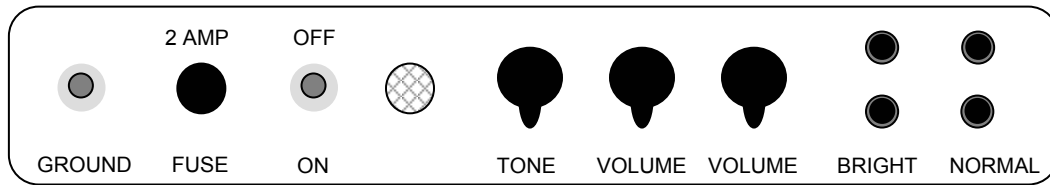
1. Make sure the Amp is not plugged into the AC outlet. (If you have just played the amp, wait until it cool off to replace the tubes)
2. Set the amp on a flat surface
3. Turn the amp so you are facing the back
4. You do not have to remove the back board but you can. (Do not touch any of the components located inside the chassis, it could be fatal!
5. Make sure the pins on all tubes are straight, mainly the preamp tube, if not use a tube pin straightener (not pliers!)
6. If you are replacing tubes, remove the old ones, one by one gently out of their sockets.
7. Set all tubes according to the tube chart, they can only be inserted one way, push them straight into their respective sockets. Don't jam them into the sockets, it might damage the tubes.
8. While you are at it check that the internal speaker cord is plugged into the internal speaker jack

The Champ amp is a class A amplifier, cathode biased, it pretty much biases itself so no need to tune it. The 6V6GT power tubes are always running at 100%, so it's always a good idea to change tubes if you notice degradation in your tone, depending on how frequently and on how long you play.

We recommend you replace them with tubes with the same characteristics as the ones provided with your amp to have the original tone. The same goes for your preamp tube; these little guys have a limited life.

Do not hesitate to contact me if you need a champ tube kit, we will make sure you get your original tone back.

Operation



Normal Channel

Input 1, High input of normal channel

Input 2, Low input of normal channel

Bright Channel

Input 1, High input of normal channel

Input 2, Low input of normal channel

Note: You can plug in 2 instruments at the same time but it's not recommended as you will loose some volume.

Turn Down to 1 the volume knob for the channel you are not using.

Volume "1" (closest to input jacks)

Sets the volume of inputs 1 and 2 of the Normal channel.
Turn it OFF when using Channel 2.

Volume "2" (Furthest to input jacks)

Sets the volume of inputs 1 and 2 of the Bright channel.
Turn it OFF when using Channel 2.

Tone

The Tone pot of the Deluxe is pretty neat, not only it makes things brighter as you turn it up, it also adds distortion to you tone. You can compensate for the brightness via the tone control on your guitar. You can also get a bit more "grind" at lower levels by bringing the volume down and the tone up. (somewhat like a master volume control as the tone control in this circuit drives the output tube driver directly)

Life

Indicates that amp is ON when light is on.

AC Power Switch (ON/OFF)

Turns the amp ON or OFF

Fuse box

The fuse protects your amplifier in case of a failure. Please use the same rating of 2 amps when replacing.

Ground

This switch has no use these days since the chassis is grounded and the amplifier has a 3 prong plug connected to the chassis; it's there for nostalgic purposes.

1. Make sure the tubes are properly seated in their sockets.
2. Make sure the internal speaker cord is plugged into the internal speaker jack
3. Plug in your instrument into input jack 1 or 2 of the Normal or Bright Channel
4. Plug in the power cord.
5. Flip the power switch to ON.
6. Raise the volume of the channel you plugged in (Normal or Bright) from 1 to the level desired. It may take a few seconds for sounds to come out, wait a minute for the tubes to warm up. As you raise the volume you will notice that the tone changes, the preamp tube will gradually go into distortion as well as the power tube.
7. You can set the Tone control, raising it will brighten your tone and also add some distortion to it.
8. Now you are ready to play.

Quick Start Settings:

Tone control set at 5.

Note: Increasing the tone adds distortion.

	Single Coil (Strat)	Humbucker (Gibson)
Clean	3 ½	3
SRV (Blues Clean)	5-6	4-5
Rock	7-10	6-8
Heavy Rock	11-12	9-12

Tips

For more clean headroom you can replace the 12ax7 with a tube like a 12ay7 or a 5751.

For more gain, turn the Tone control between 7-12

Technical support

If you have technical questions, or are looking for some advice you can contact Myles Rose at Guitar Amplifier Blueprinting:

myles@guitaramplifierblueprinting.com

Check his web site for guitar, tube amp information:

www.guitaramplifierblueprinting.com

Happy playing

Ludovic Pierson