

DR. AMPLIFICATION



Stang Ray
Owners Manual

Intro:

Thank you for purchasing a Dr Z Amp. This amplifier was designed to give you years of playing and sonic enjoyment. We are proud to forge ahead and create new tube amplifier sounds with a nod to the classics of the past.

Whether you are a touring professional, weekend warrior, or basement jammer; we take your sound and need for a reliable amplifier seriously.

Overview:

Using the classic setup of a quartet of 6L6's biased close to true Class A at 30 watts, the Stang Ray tips its hat to classic British tones, but like all Dr.Z amps, has its own unique voice. The preamp uses an EF-86, and it has a 12AX7 phase inverter. Tone shaping is accomplished with Volume, Tone, and Cut controls, giving you the ability to dial up a warm tone, but with sweet 3k range brilliance for beautiful upper treble and nice low-midrange control. The output transformer was designed by Ken Fischer (Trainwreck), who also worked with Dr.Z on the Airbrake.

Front Panel:

Input Jacks: Input 1 (HI) is for normal use. Input 2 (LO) has 3db less gain. Use with humbucker equipped guitars if you'd like cleaner sounds.

Volume: Controls overall gain. Set over halfway for overdriven sounds. Set below halfway for cleaner sounds.

Tone: Controls full range of EQ for the amp.

Cut: Controls overall tone/presence of amp. Turn clockwise for chime.

Standby: Leave in off position for 1 minute when powering up the amp. Turn on for play. Place in off position for extended break periods.

Power: Turns amp On or Off.

Rear Panel:

Fuses: ½ Amp fuse for DC Voltage section
3 Amp AC fuse.

Speaker Jacks: Plug speaker into specific jack for it's rating (8ohm speaker into 8ohm jack.)

Effects Loop: Plug "In" to Send and "Out" to Return. Good for Delay or Reverb effects. Run all others (overdrive, wah, etc...) through the front.

Care and Feeding:

While we hope you get years of worry free use out of your Dr Z Amp there are some basic maintenance procedures to follow.

Changing Output Tubes: If your amp starts sounding a bit dull or lacks punch it's usually time for a new set of output tubes. Changing the EL84 output tubes on your Stang Ray is easy. These amps are cathode (self) biased so there is no need to rebias when changing tubes. Always use a matched quad of EL84's. We use Groove Tubes EL84S as our standard EL84. Always make sure the power is off and AC cord is unplugged when changing tubes. Always use caution not to burn your fingers as tubes become very hot quickly. With moderate usage output tubes should last 6 months to a year.

Changing Pre Amp Tubes: When pre amp tubes fail it usually results in a static type noise or a ringing microphonic type sound. Pre amp tubes are easily replaced. We recommend replacing them with the same brand/type that came in the amp. We have hand selected these tubes to deliver optimal voicing.

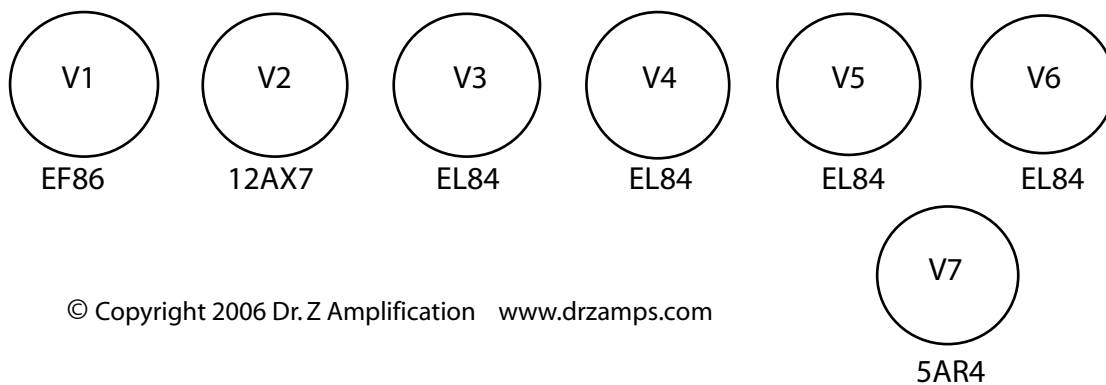
Changing Rectifier Tube: Signs your rectifier tube (5AR4/GZ34) needs changed are fairly obvious. A bad rectifier will usually result in a fuse blowing. Power off, unplug the AC cord and replace the blown fuse before replacing the rectifier tube. Use caution as these tubes get very hot!

General Maintenance:

- If you experience intermittent crackle/static type sounds make sure the 4 screws that secure the chassis are tight. If a bit loose, the chassis will lose connection to the RF shield.
- Make sure a speaker is connected to your amplifier before you turn it on. Always match your speaker or cabinet to the proper ohm rating on the rear of the amp (8 ohm speaker or cab into the 8 ohm jack.)
- If amplifier powers on, but no sound is heard after switching off Standby check your ½ amp fuse on the rear panel (for related troubleshooting see changing rectifier tube above.) If problem persists contact your dealer or Dr Z Amps.
- Do not set liquids on top of your amplifier.
- Because tubes are made of glass be sure to allow you amplifier time to acclimate to drastic changes in temperature before powering on.

www.drzamps.com

Stang Ray



© Copyright 2006 Dr.Z Amplification www.drzamps.com