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Frequently Asked Questions

## HERITAGE SVT - CL

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**Question:** Can you have the HSVT-CL on (Not in Standby) without a load/speaker cab?

Answer: No you cannot run the HSVT-CL without a load/speaker cab because it will damage the tubes and transformers.

**Question:** Can I run a total of an 8 ohm on the HSVT-CL?

Answer: No the HSVT-CL can only run at a 2 or 4 ohms load. Having an 8 ohm load on the HSVT-CL will damage the amp.

**Question:** What kind of tubes does the HSVT-CL have?

Answer: Preamp Tube: 2 x 12AX7 / Driver Tube: 1 x 12AX7, 2 x 12AU7 / Power Amp Tube: 6 x 6550

**Question:** Why is my Standby/Power LED flashing between red and green?

Answer: The Standby/Power LED will flash between red and green when the amp sees a problem with the power tube circuit on the HSVT-CL and will turn off the output. This usually means that you have a bad power tube.



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**Question:** Do I need to bias my HSVT-CL after replacing the tubes?

Answer: Yes you will need to bias the HSVT-CL after replacing the tubes. Below are the steps for setting the tube bias.

1. Connect a speaker cabinet to the amplifier then power on amp and allow the unit to sit in 'Standby' for 3 to 5 minutes.
2. Make sure the master volume is at minimum, then take the unit out of 'Standby' and check the Bias LEDs. Both LEDs should be lit green. If not, turn the Bias controls until the LEDs are lit green. If you cannot get the LEDs to turn to green there could be a defective or mismatched tube.
3. Now check for any unusual sound and possible glowing from the Power Tubes.
4. Now play your bass for 20 minutes to warm up your amp. You may notice that the Bias LEDs illuminate red while playing. This is normal.
5. Now turn down your bass and set it down, leaving all amp controls alone. With no input signal, adjust each Bias control so that the LEDs are lit to green.
  - If neither of the LEDs are illuminated the amp is over-biased (counter-clockwise). Will make the amp sound thin and distorted.
  - If the green and red LEDs are lit, the amp is under-biased (clockwise). Will make the amp sound big and full but reduce the life of the power tubes.
  - Setting the LEDs just as the green LED illuminates will give a poorer



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tone but longer tube life.

- Setting the LEDs just as the red LED illuminates will be better tone but shorter tube life.

6. Once the Bias controls have been set they should not have to be changed except as need for tube replacement, or compensate for tube aging.