

Checklist after service of E-Series

E2-2, E4-2, E8-2, E12-2

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1 Introduction

This checklist shall be used to make sure the amplifier is always checked in a proper way after service has been done. It is important to follow the steps in this check list and check all points so that the set up of parameters in the amplifier is correct adjusted. When have done all checks and adjusted the parameters the amplifier will work properly and will have the output power that it is designed for.

2 Check list E-Series

Always clean the amplifier by blowing with compressed air through coolers and fans. Be careful when blowing where big electrolytic capacitors are placed so that the capacitor doesn't get damaged.

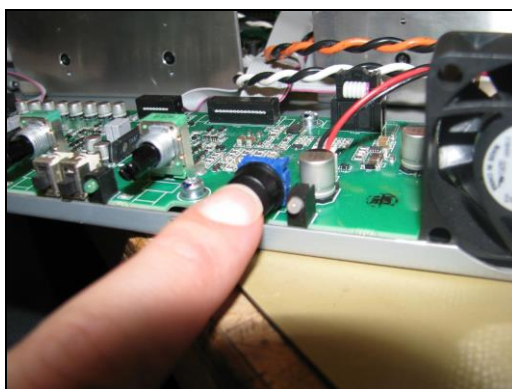
1. Remove the top cover.



2. Turn down the variable voltage transformer and connect the power cord.

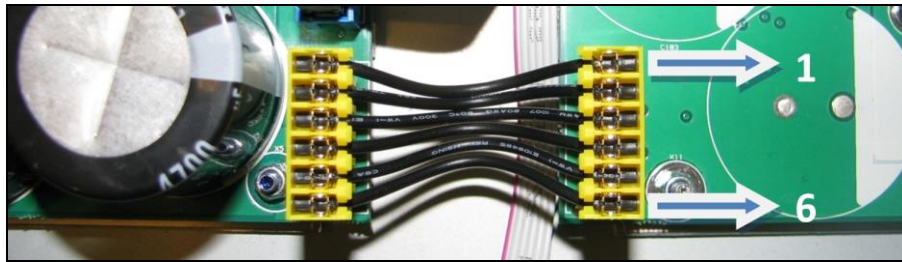


3. Ramp up the variable voltage transformer to somewhere between 100 – 240 VAC. Start the amplifier by pressing the power-button.



4. Make sure the fan spins up at start up.

5. Perform a SP10A10D-test by measuring the currents on the CON1.



Pin	Description	Limit value
1	Positive rail	+68V - 71V
2	+15V	+15V - 17V
3	VDR	-57V - 59V
4	Ground	-
5	-15V	-15V - 17V
6	Negative rail	-68V - 71V

6. Turn off the amplifier by pressing the Power button again.

7. Connect the input- and output cables. Make sure to use 8 ohm impedance on the output cables.



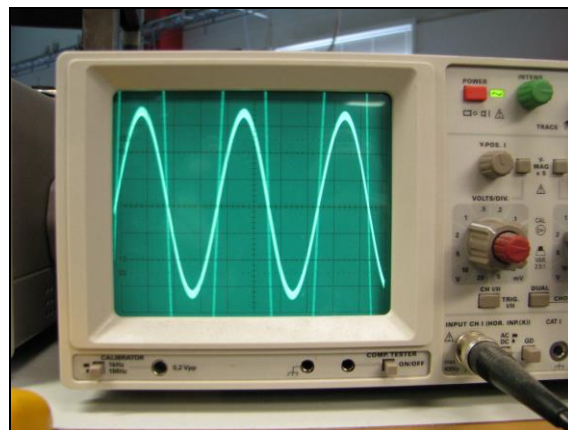
8. Check the Auto Power On-function by running a 1kHz signal into the input. If the amplifier starts up it's OK.

9. Check the potentiometers to make sure that they aren't loose or make any scraping noise. Leave the potentiometers in Max position.



10. Check if the amplifiers output is sufficient on both channels.

11. When testing the output of a channel;
Increase input signal and check output signal at clip 8Ω



Wave measured at 1.3 kHz.

12. Make sure the switches work and provide the correct function for the amplifier.



13. Turn off the amplifier by pressing the power button.



14. Turn down the variable voltage transformer to 0VAC.

Finish