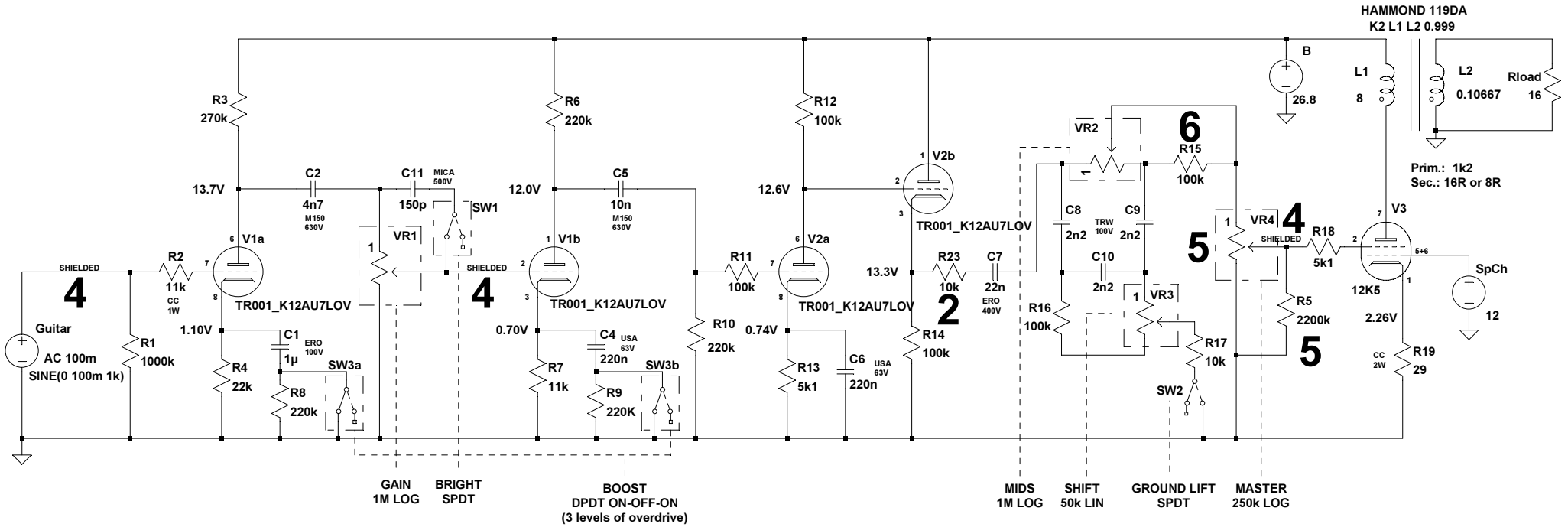
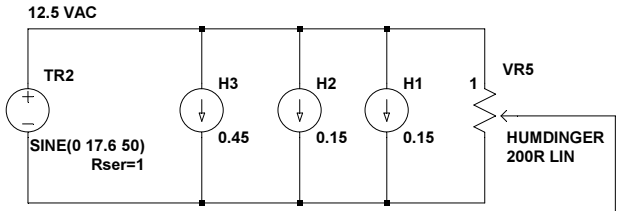
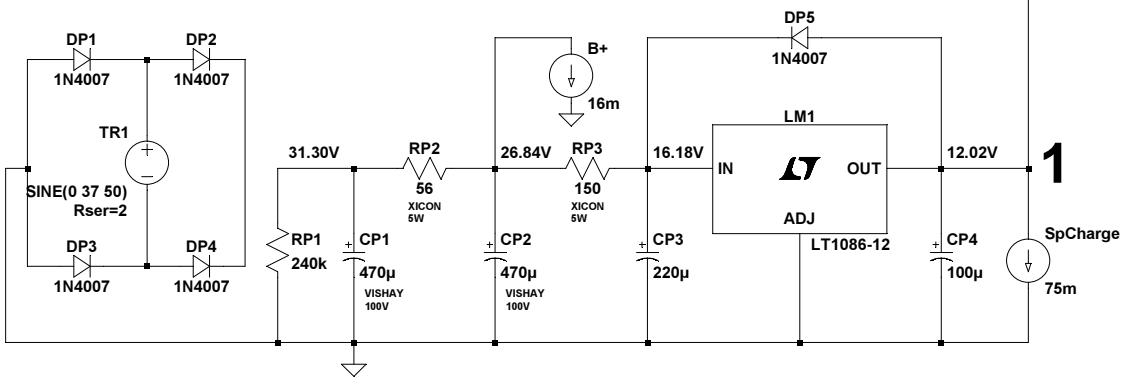


HEATER SUPPLY



POWER SUPPLY

IN: 232 VAC



	.ac dec 10 10 10k
SIMUL	;tran 8m
	;op
GAIN	.param GAIN .5
MASTER	.param MVOL 0.5
	.param BOOST 1; 1=ON
	.param BRIGHT 1 ; 1=ON
TONE	.param LIFT 0 ; Bypass=1
	.param MIDS 0.6 ;wiper 0=cut
	.param SHIFT 0.5 ;Shift wiper

TUBING:
V1 = JJ 12AU7
V2 = EH 12AU7
V3 = GE 12K5

MODIFICATIONS:
1- Raised heater to 12V
(DC heater removed)
2- Added R23
3- Exchanged RP10&RP11 for humdinger 200R pot (VR5)
4- Shielded wires from pots to tube grids
5- VR4 = 250k LOG // R5 = 2M2
6- Added R15 for better scoop over range

ALL RESISTORS CARBON COMPOSITION 1/2W
UNLESS SPECIFIED

POWER TRANSFOMER (TOROIDAL)
Pri.: 0 - 230V
Sec. 1: 0 - 12V / 20VA (Heaters)
Sec. 2: 0 - 24V / 20VA (B+)

MEASUREMENTS:
- Performed after 5' heat up
- 16 Ohm load resistor
- No input signal
- GAIN & VOL turned to zero

PROJECT: 12K5 SE - AMP		
DESIGN TITLE: FINAL CIRCUIT		
AUTHOR: Laurent	DRAWING NUMBER	REV: 3P
DATE: 2015.02.28	SIZE: A4	SHEET: 1 of 1

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