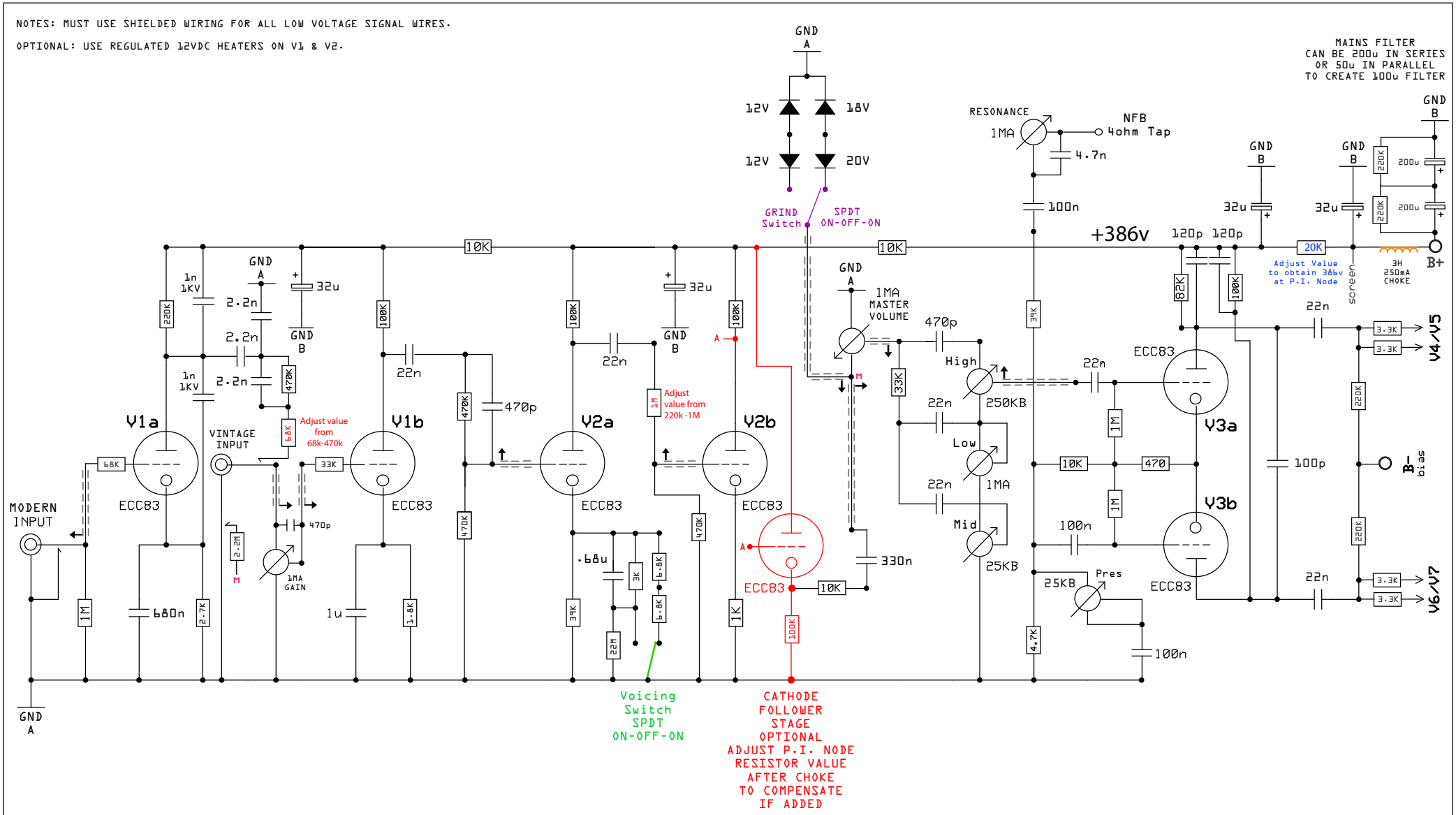

NOTES: MUST USE SHIELDED WIRING FOR ALL LOW VOLTAGE SIGNAL WIRES.
OPTIONAL: USE REGULATED 12VDC HEATERS ON V1 & V2.
MAINS FILTER
CAN BE 200u IN SERIES
OR 50u IN PARALLEL
TO CREATE 100u FILTER
GND A
12V
18V
12V
20V
GRIND Switch
SPDT ON-OFF-ON
RESONANCE
1MA
NFB 4ohm Tap
4.7n
100n
+386v
GND B
32u
120p
120p
20K
Adjust Value to obtain 38&v at P.I. Node
screen
3H 250mA CHOKE
B+
MODERN INPUT
VINTAGE INPUT
Adjust value from 68k-470k
Adjust value from 220k -1M
1MA MASTER VOLUME
470p
High
250KB
Low
1MA
Mid
25KB
330n
Pres
25KB
100n
22n
V1a
V1b
V2a
V2b
V3a
V3b
ECC83
V4/V5
V6/V7
B- bias
Voicing Switch SPDT ON-OFF-ON
CATHODE FOLLOWER STAGE OPTIONAL
ADJUST P.I. NODE RESISTOR VALUE AFTER CHOKE TO COMPENSATE IF ADDED
XENRELIC
Luminary Overdrive
Novosibir & Xen
VERSION 4
2013
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