

MESA/BOOGIE[®]

MARK IV A

MARK IV B

Mark IV

FRONT PANEL

RHYTHM 1		
Control Function	Type	Mesa Part#
Gain	Pot	591842
	Knob	408105
Treble	Pot	593148
	Knob	409124
Bass	Pot	593148
	Knob	409124
Middle	Pot	592378
	Knob	409124
Presence	Pot	593792
	Knob	408105
Master	Pot	593150
	Knob	409124
R1 LED	LED	395540

RHYTHM 2		
Control Function	Type	Mesa Part#
Gain	Pot	591842
	Knob	408105
Treble	Pot	593148
	Knob	409124
Bass	Shared w/ R1	
Middle	Shared w/ R1	
Presence	Pot	596821
	Knob	408105
Master	Pot	593150
	Knob	409124
R2 LED	LED	395530

LEAD		
Control Function	Type	Mesa Part#
Gain	Pot	591842
	Knob	408105
Treble	Pot	592149
	Knob	409124
Bass	Pot	593148
	Knob	409124
Middle	Pot	592378
	Knob	409124
Lead Drive	Pot	591842
	Knob	408105
Presence	Pot	596821
	Knob	408105
Master	Pot	593150
	Knob	409124
Lead LED	LED	395520

MISC PARTS		
Control Function	Type	Mesa Part#
Input	Jack	610120
Graphic EQ All 5 Bands (New Style)	Pot	588536
	Knob	408550
**original style knob no longer available		
Output	Pot	596821
	Knob	408115
EQ LED	LED	395510
Loop LED	LED	395500
Standby	Switch	601073
Power	Switch	601073
Pilot Light (Med Chas Only)	Light	703130

REAR PANEL

Mark IV

MISC PARTS		
Control Function	Type	Mesa Part#
Jacks		
Rev Ftsw	Jack	610111
Satellite EQ	" "	612111
Satellite Send	" "	610111
FX Send	" "	612112
FX Return (L)	" "	610111
FX Return (R)	" "	610111
Speaker Outs(3)	" "	618100
External Switch(6)	" "	618100
Record Out		
	Pot	592378
	Knob	409124
	Jack	618100
Slave Out		
	Pot	592738
	Knob	409124
	Jack	618100

MISC PARTS		
Control Function	Type	Mesa Part#
Switches		
Graphic EQ	Switch	600116
FX ON/Swtch	" "	600115
Auto Assign(2)	" "	600116
Triode/Pentode	" "	600117
Simul/Class A	" "	600114
Harm/Mid Gain	" "	600114
Channel Select		
	Rotary Sw	608226
	Knob	408121
Fuse Holder		
Domestic	Cap/Holder	790347
	Fuse	790403
Export	Cap/Holder	790346
	Fuse	795200
AC Receptacle	Jack	613713
Foot Switch	Jack	620414

Mark IV

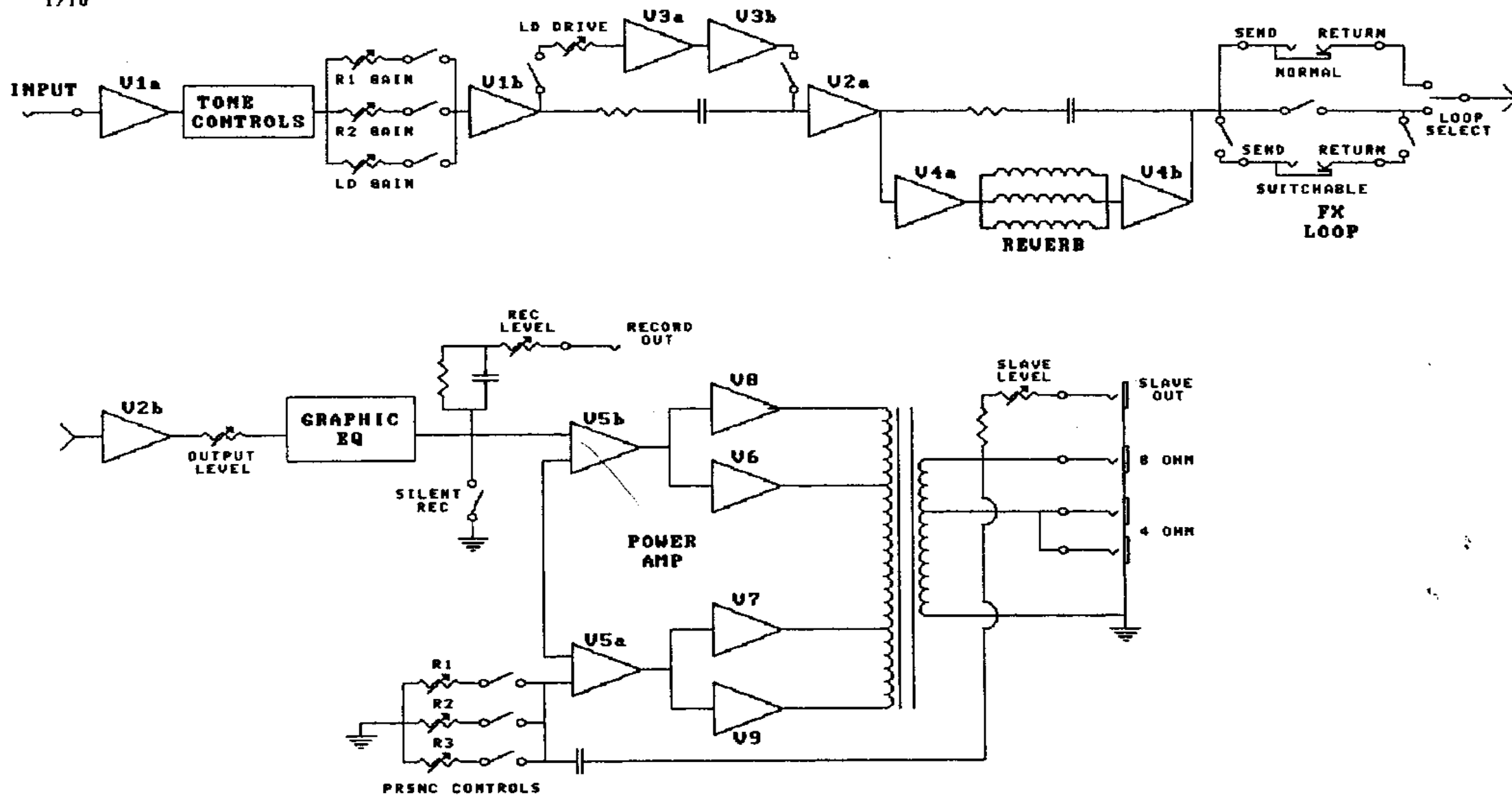
MISC PARTS		
Control Function	Type	Mesa Part#
Jacks		
Rev Ftsw	Jack	610111
Satellite EQ	" "	612111
Satellite Send	" "	610111
FX Send	" "	612112
FX Return (L)	" "	610111
FX Return (R)	" "	610111
Speaker Outs(3)	" "	618100
External Switch(6)	" "	618100
Record Out		
	Pot	592378
	Knob	409124
	Jack	618100
Slave Out		
	Pot	592738
	Knob	409124
	Jack	618100

MISC PARTS		
Control Function	Type	Mesa Part#
Switches		
Graphic EQ	Switch	600116
FX ON/Swtch	" "	600115
Auto Assign(2)	" "	600116
Triode/Pentode	" "	600117
Simul/Class A	" "	600114
Harm/Mid Gain	" "	600114
Channel Select		
	Rotary Sw	608226
	Knob	408121
Fuse Holder		
Domestic	Cap/Holder	790347
	Fuse	790403
Export	Cap/Holder	790346
	Fuse	795200
AC Receptacle	Jack	613713
Foot Switch	Jack	620414

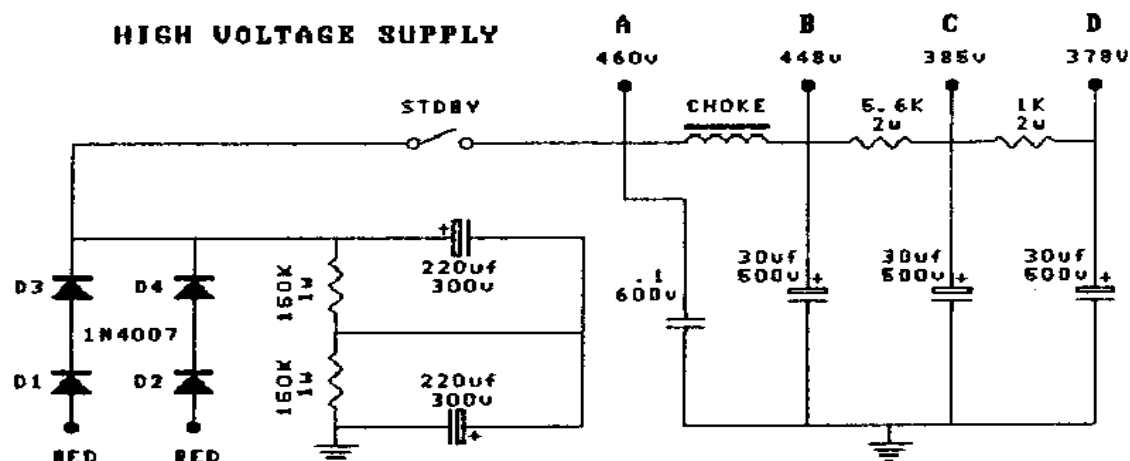
MESA/BOOGIE[®]

MARK IV A

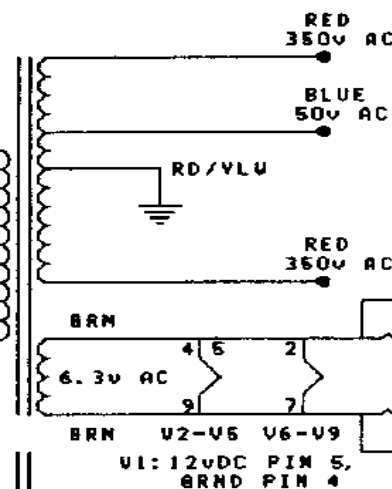
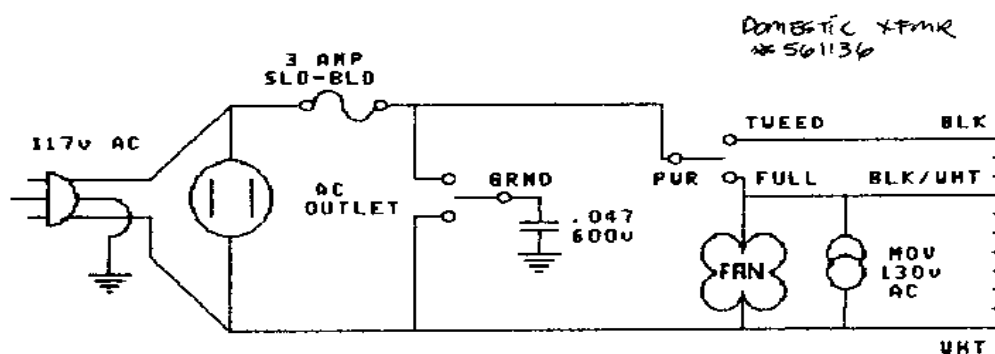
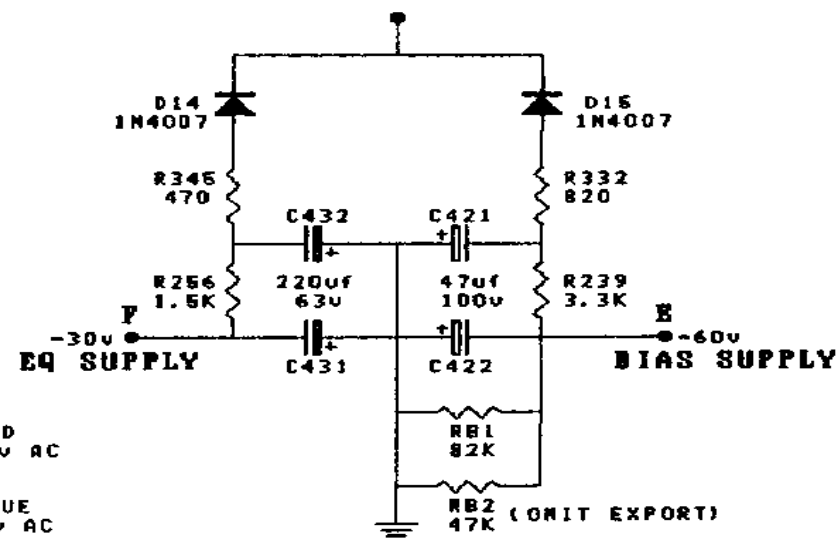
MESA-BOOGIE
MARK IV
BLOCK DIAGRAM
 FILE MK4BLOCK.S91
 1/10



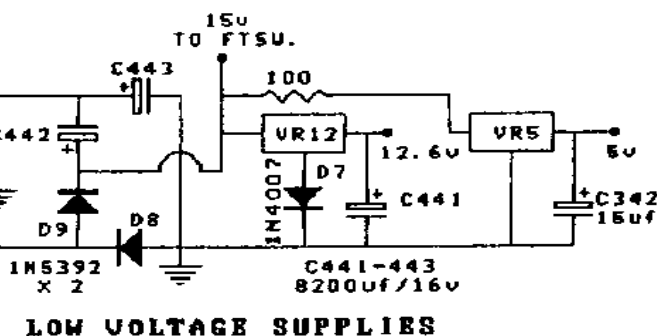
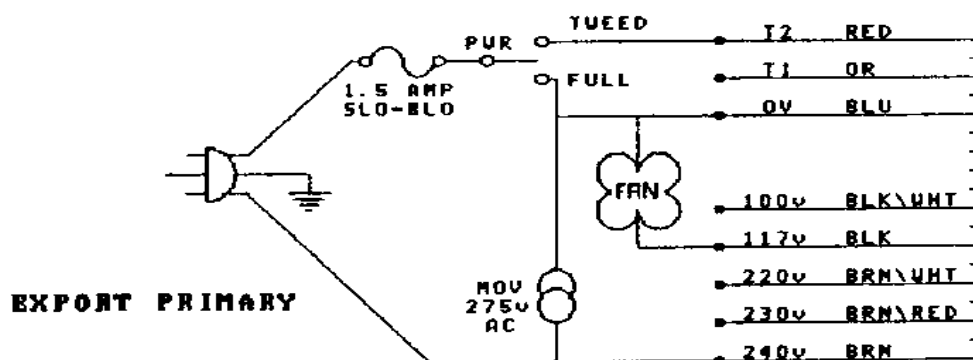
HIGH VOLTAGE SUPPLY



BLUE

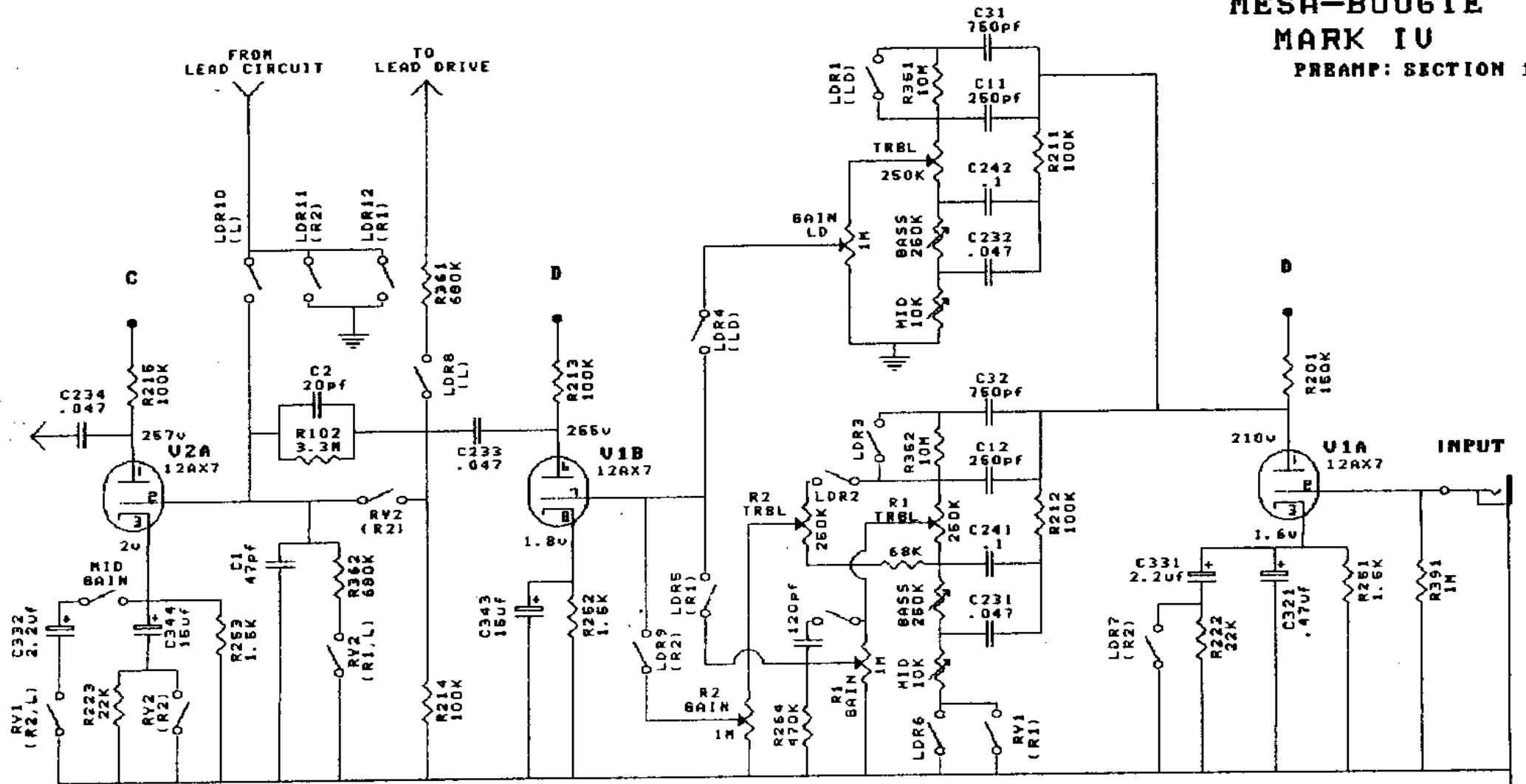


EXPORT XFMR
4561137

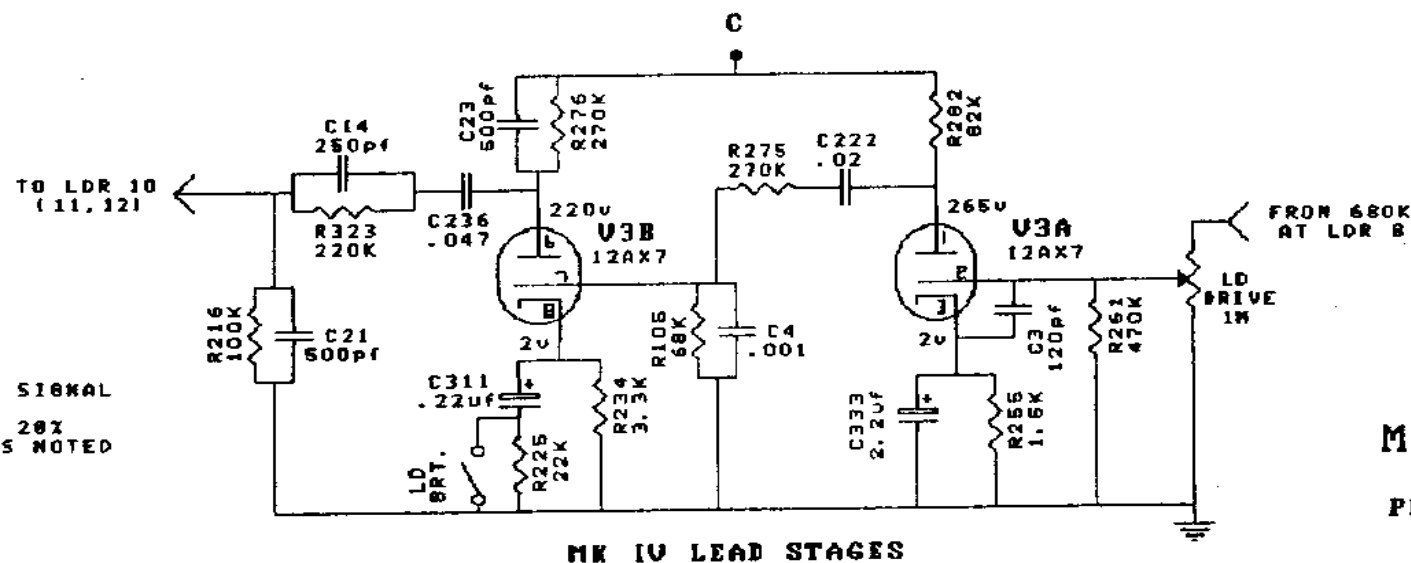


MESA-BOOGIE
MARK IV
POWER SUPPLIES

**MESA-BOOGIE
MARK IV
PREAMP: SECTION 1**

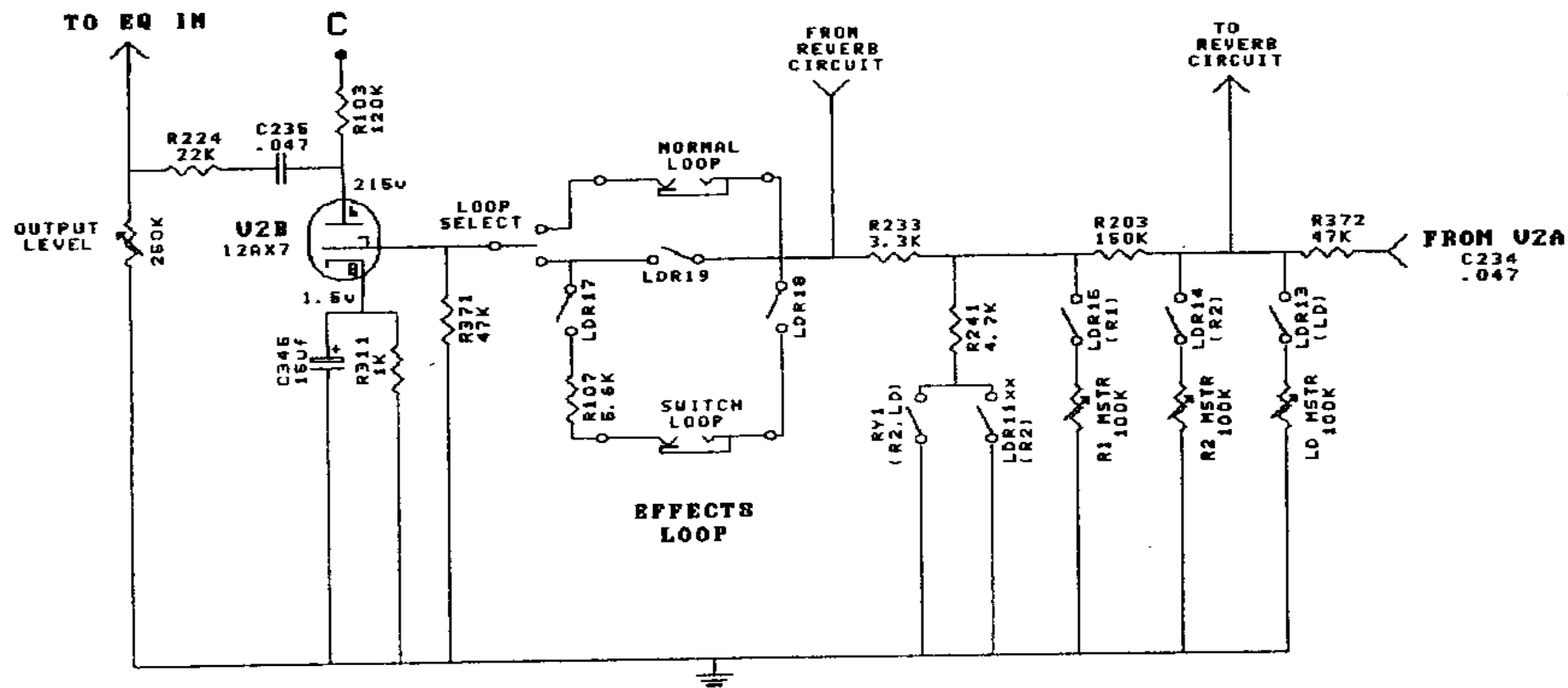


The schematic diagram illustrates the MK IV Reverb Circuit. It features two 12AT7 vacuum tubes, U4B and U4A. U4B is configured as a reverb signal processor, with its grid connected to a 150K/1W resistor (R111) and its cathode to a 220K resistor (R324). The output of U4B is connected to a transformer's primary winding. The transformer's secondary winding is connected to a 22K/2W resistor (R403) and a 320V output. U4A is configured as an input signal processor, with its grid connected to a 470K resistor (R262) and its cathode to a 220K resistor (R346). The input signal is connected to U4A's grid through a 4.5V source. The circuit is powered by an 80V supply and includes several capacitors: C213 (.005), C346 (15uF), C322 (.47uF), and C5 (.002). The output is labeled 'REVERB OUTPUT' and the input is labeled 'REVERB INPUT'.



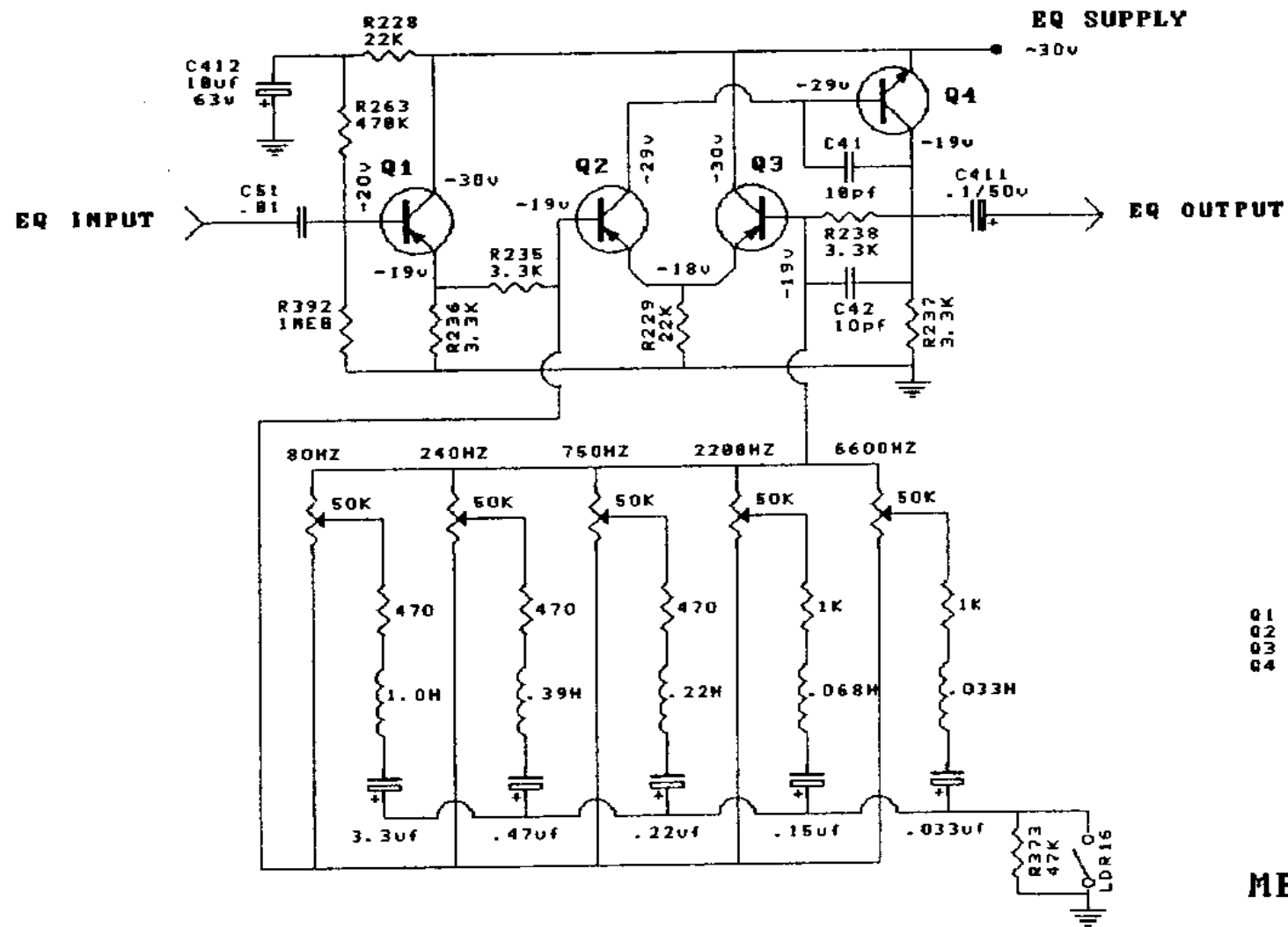
MESA-BOOGIE
MARK IV
PREAMP: SECTION 2

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VOLTAGES MEASURED NO SIGNAL
 117V AC MAINS
 DC VOLTAGES MAY VARY 20%
 RESISTORS 1/2W UNLESS NOTED

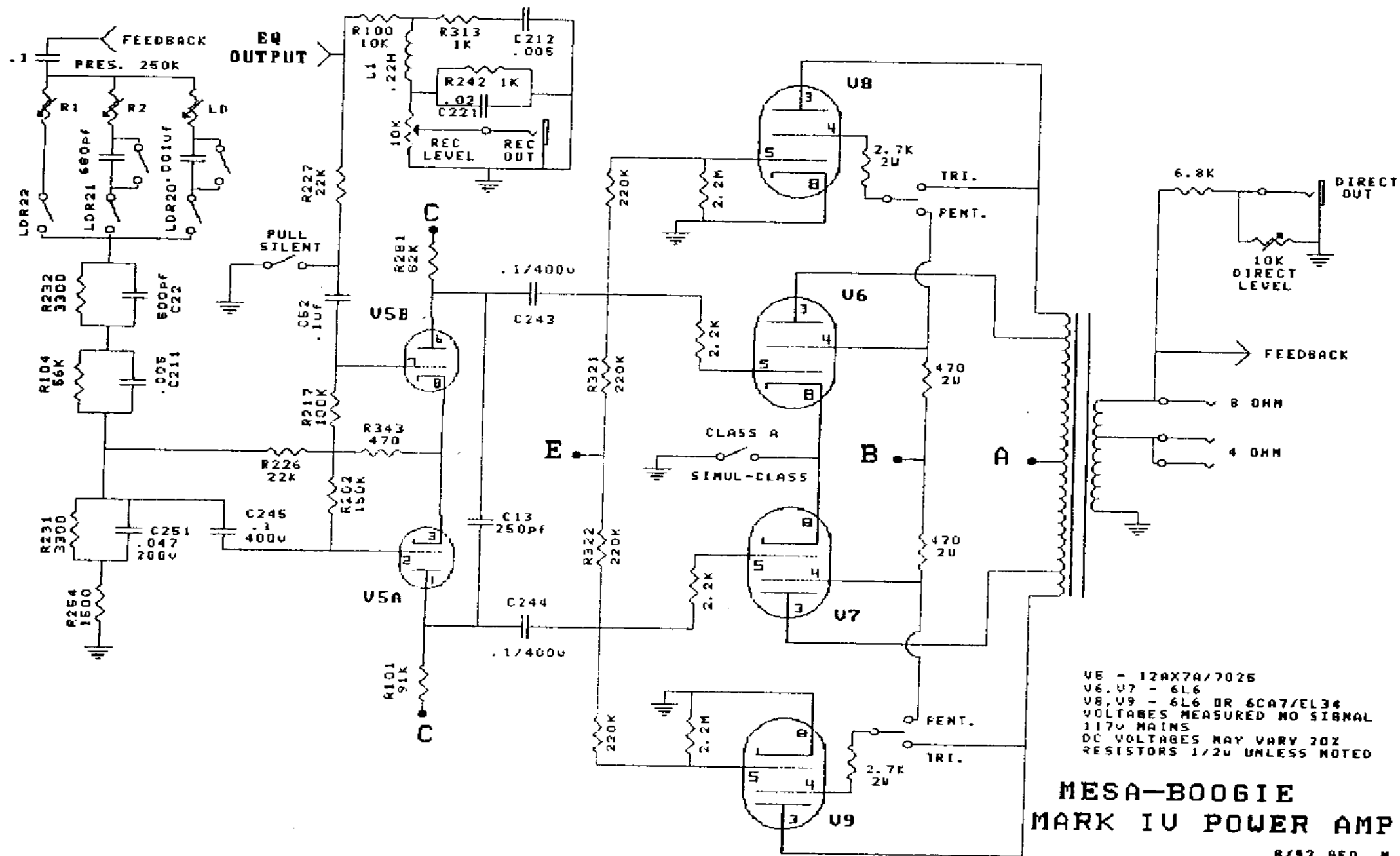
MESA-BOOGIE
MARK IV
PREAMP: SECTION 3

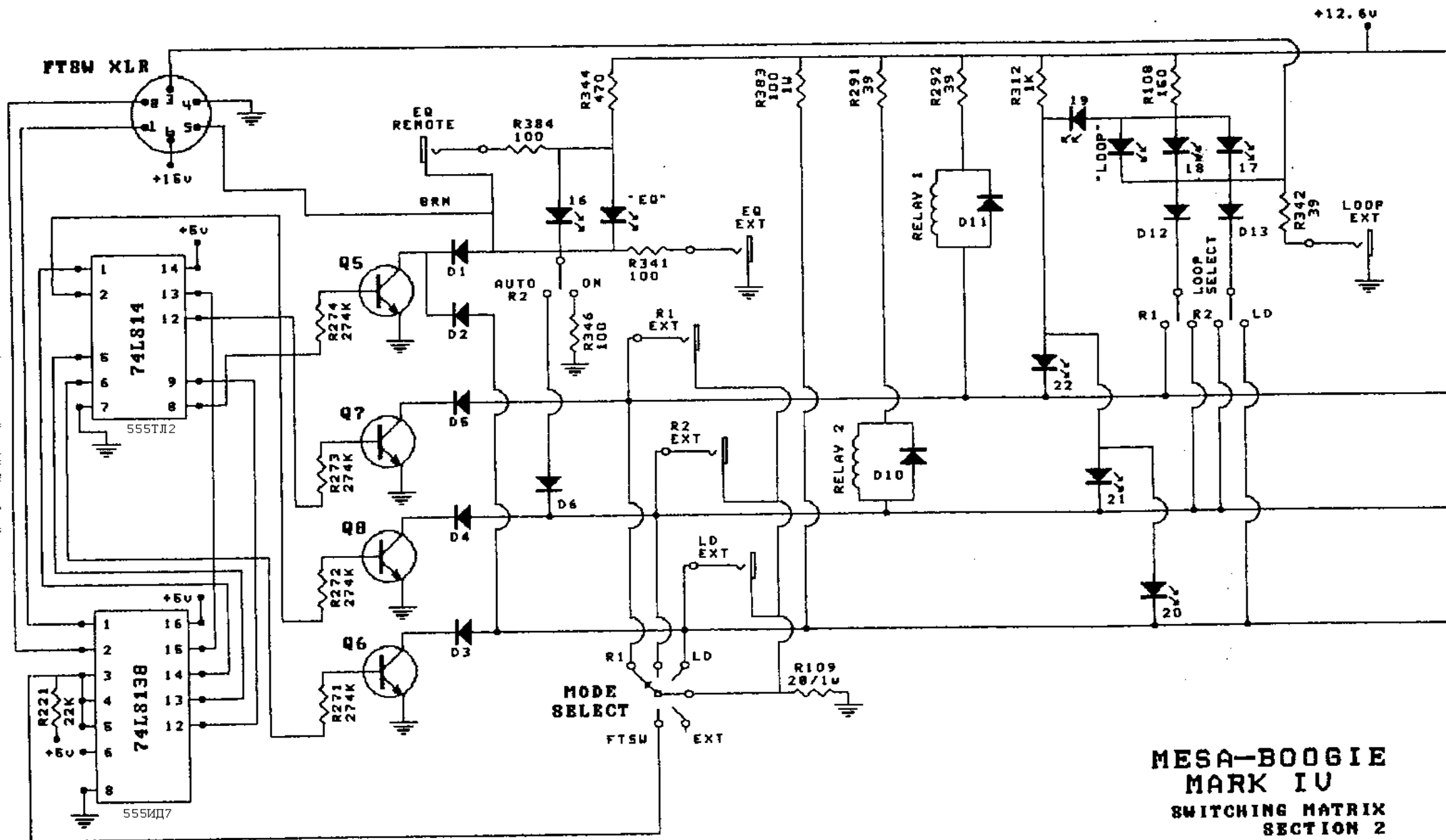


MESA-BOOGIE MARK IV GRAPHIC EQ

EDMK4.581
10-92 GEO. R.

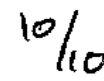
6/10





**MESA-BOOGIE
MARK IV
SWITCHING MATRIX
SECTION 2**

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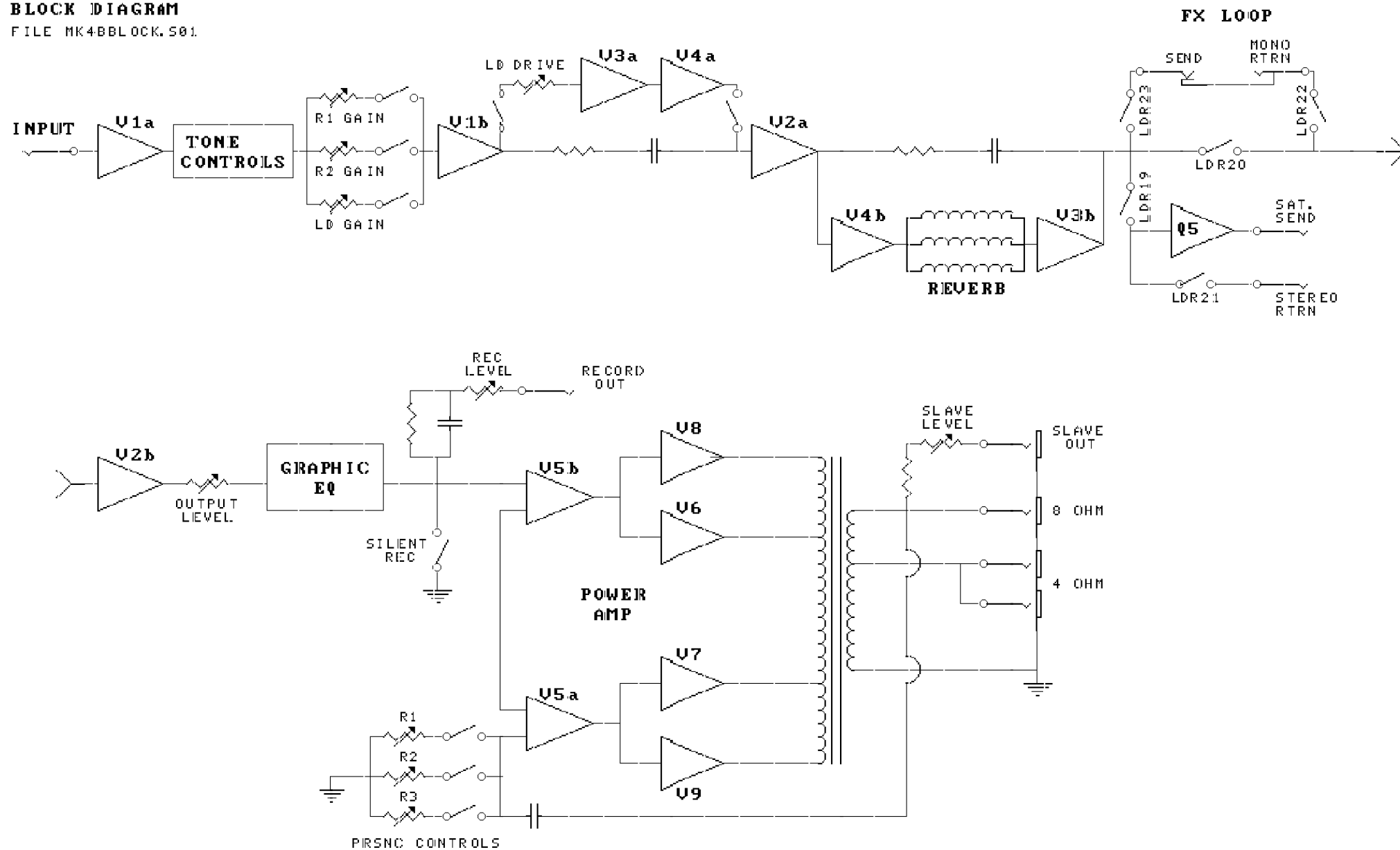
MESA/BOOGIE[®]

MARK IV B

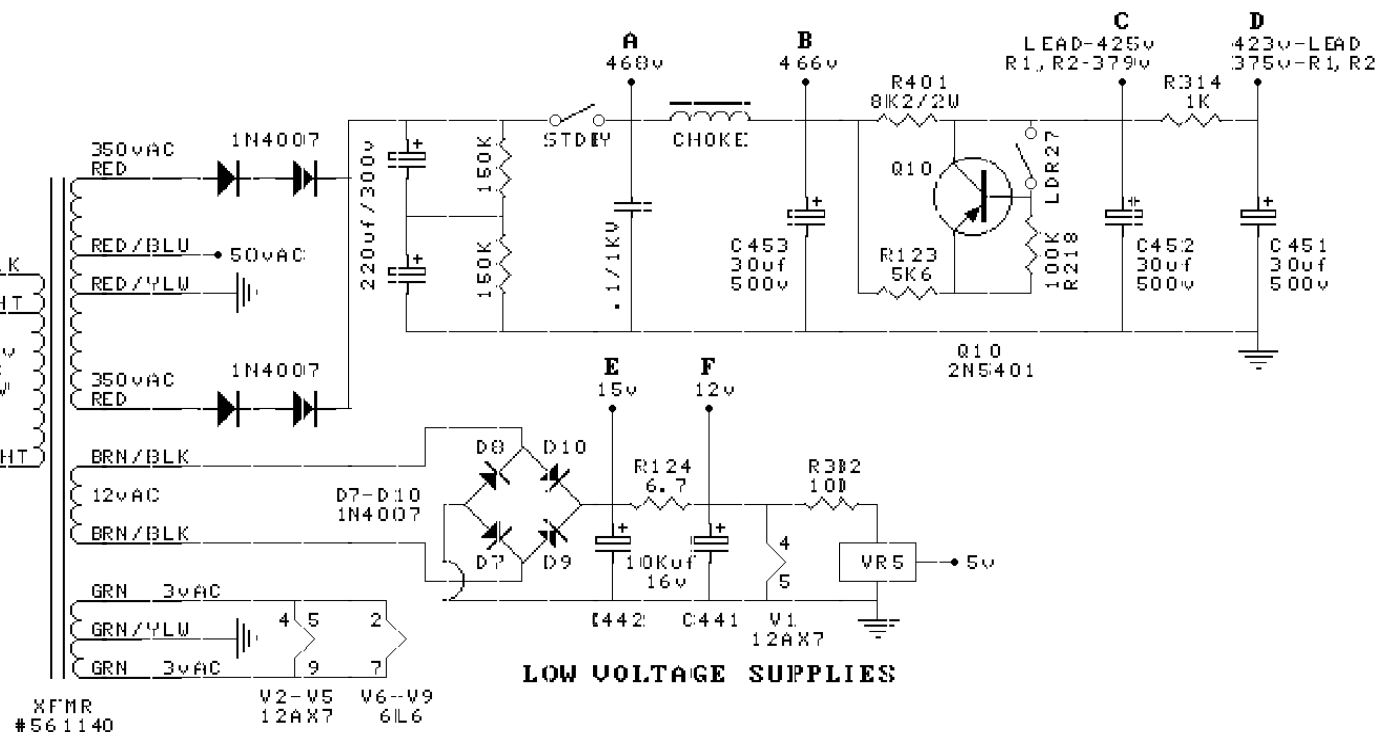
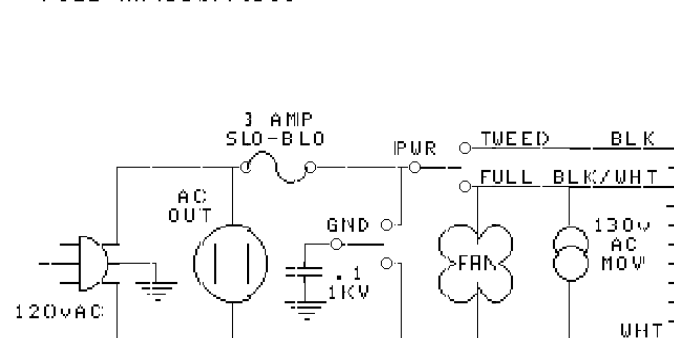
MESA-BOOGIE MARK IUB

BLOCK DIAGRAM

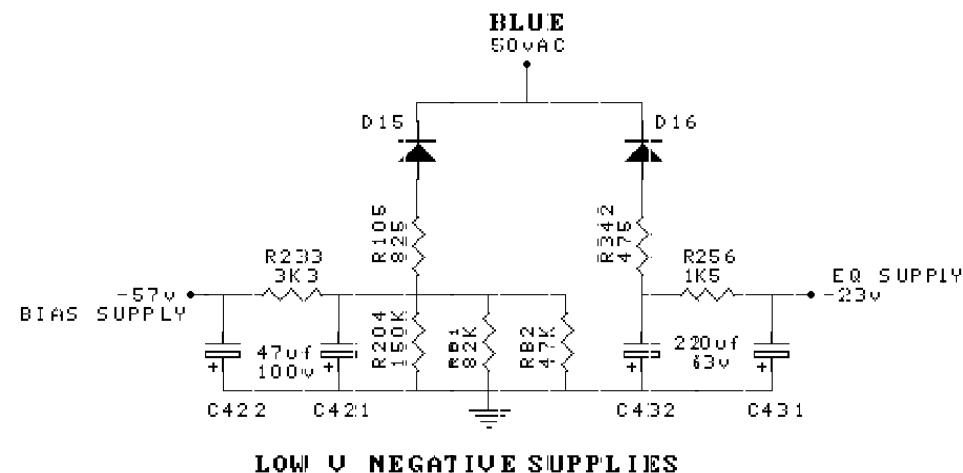
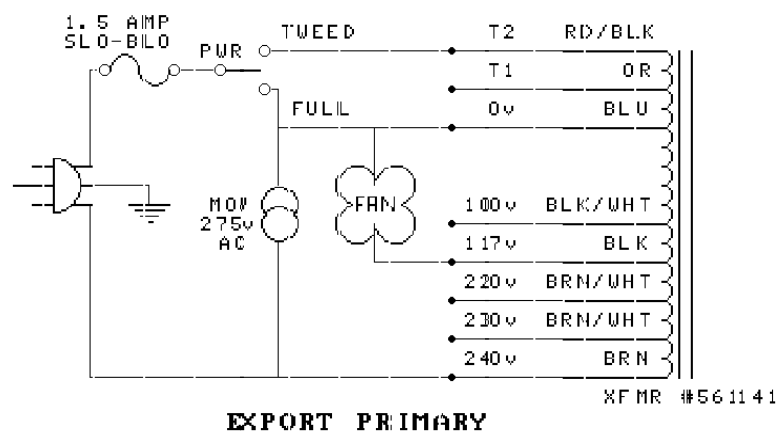
FILE MK4BBLCK.S01



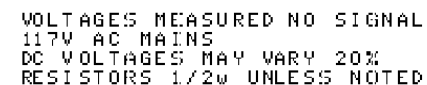
FILE MK4BSUPP.501



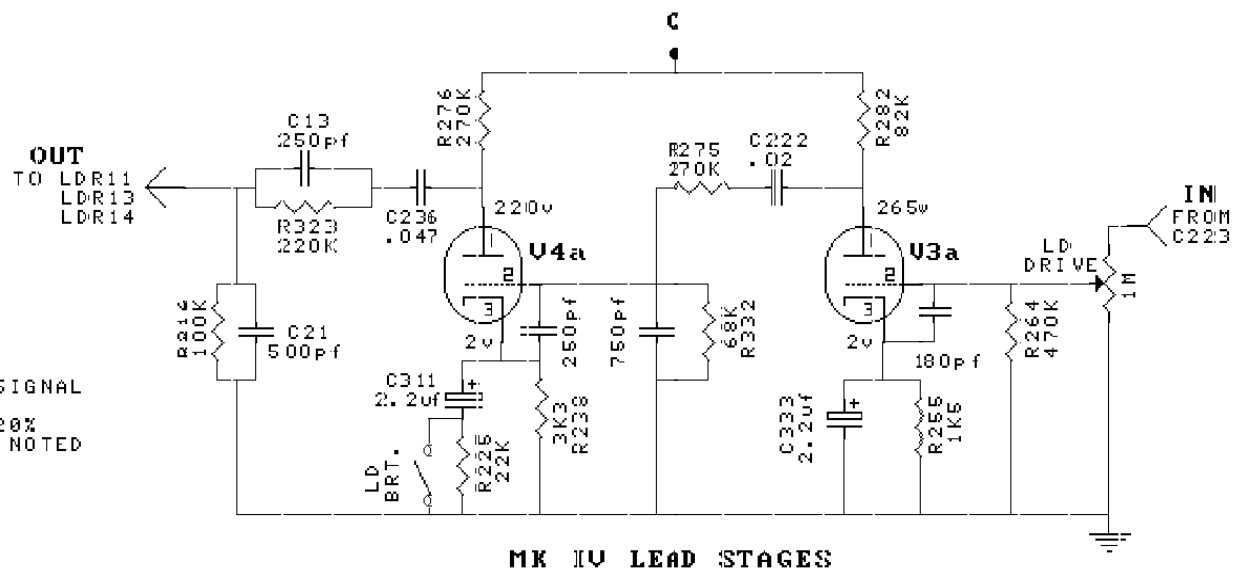
LOW VOLTAGE SUPPLIES



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PREAMP PART TWO
FILE MK4BP'RE2.S01



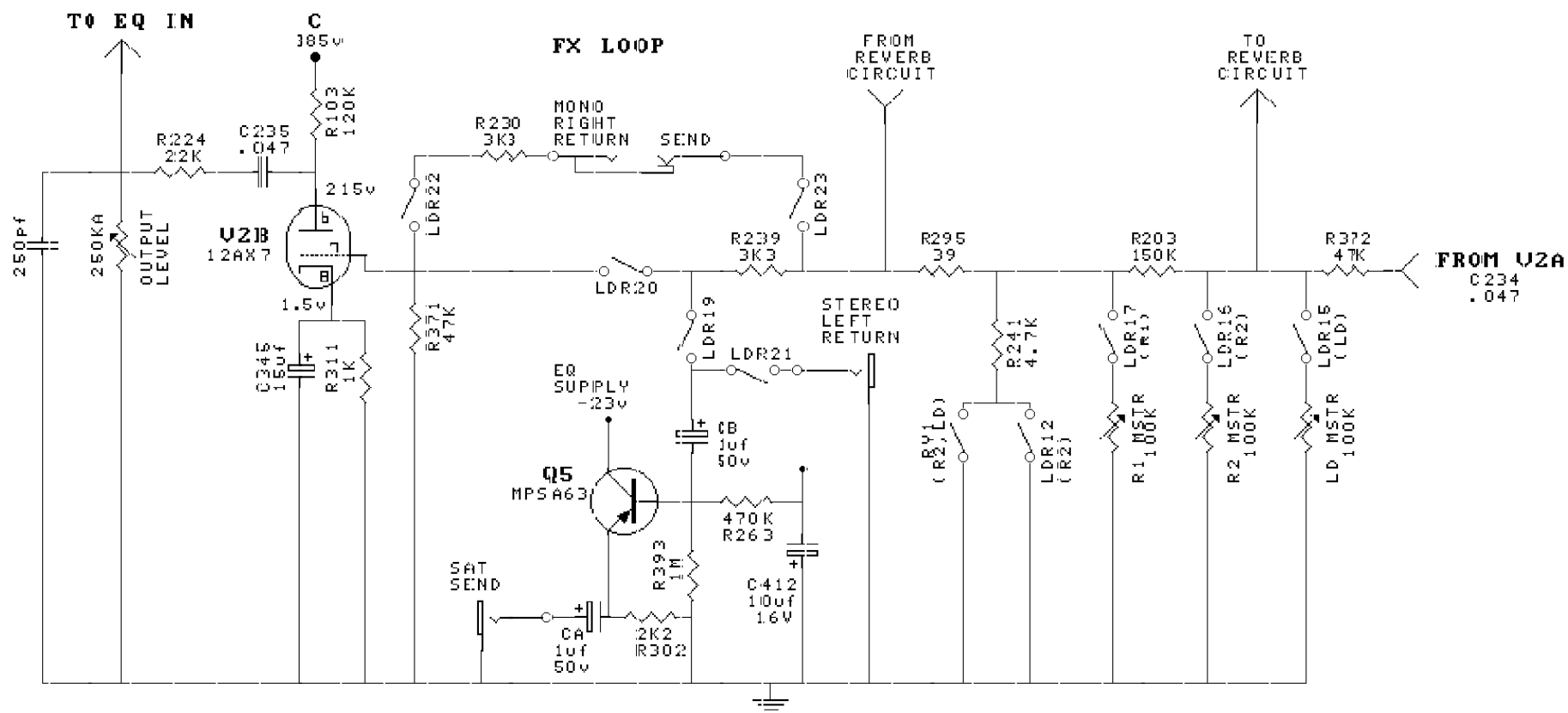
VOLTAGES MEASURED NO SIGNAL
117v AC MAINS
DC VOLTAGES MAY VARY 20%
RESISTORS 1/2w UNLESS NOTED

MESA-BOOGIE MARK IVB

PREAMP PART 3

FILE MK4BPREF.S01

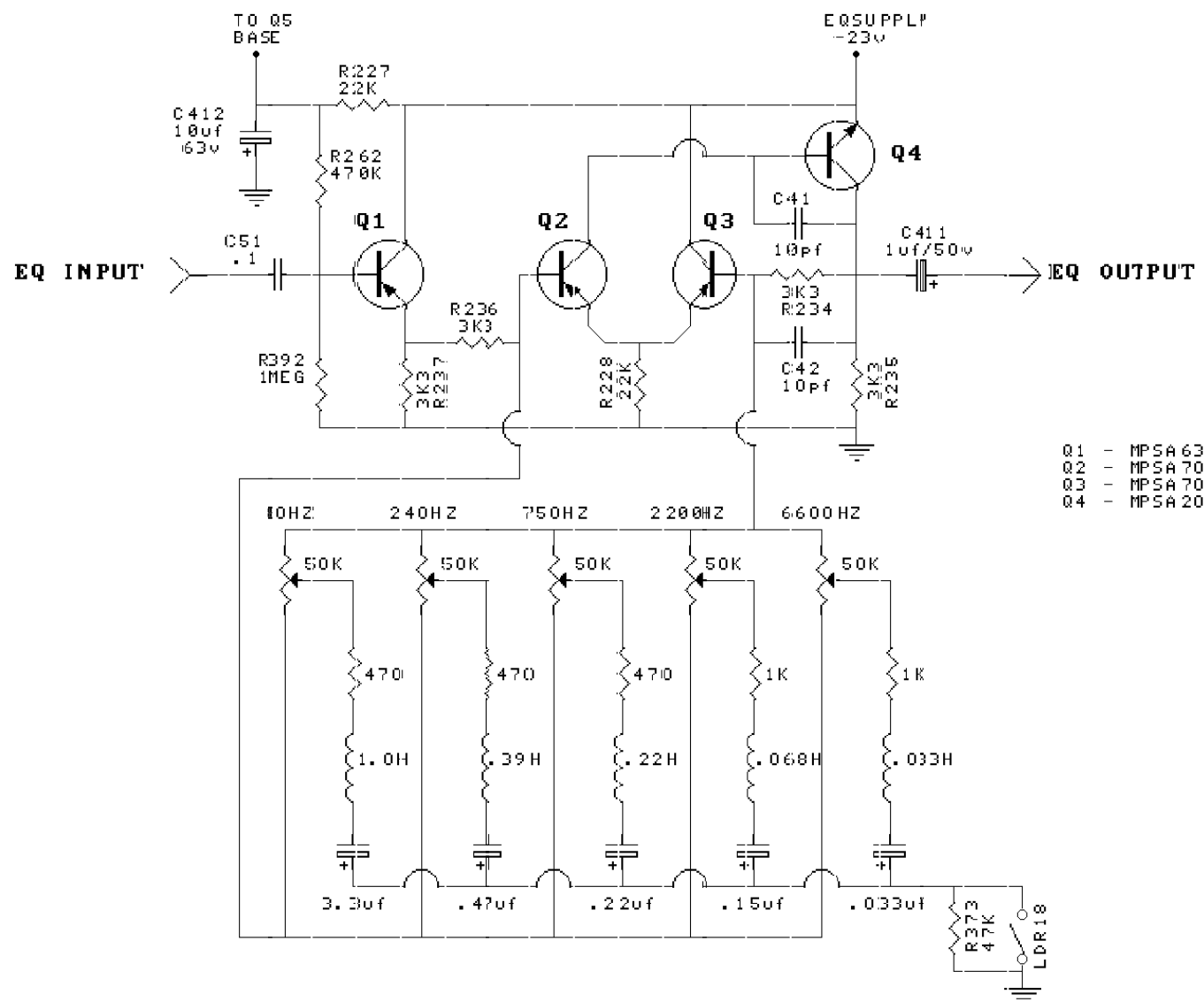
	LOOP ON	LOOP OFF
LDR18	OFF	LDR19 ON
LDR20	OFF	LDR20 ON
LDR21	ON	LDR21 OFF
LDR22	ON	LDR22 OFF
LDR23	ON	LDR23 OFF



MESA-BOOGIE MARK IUB

GRAPHIC EQ

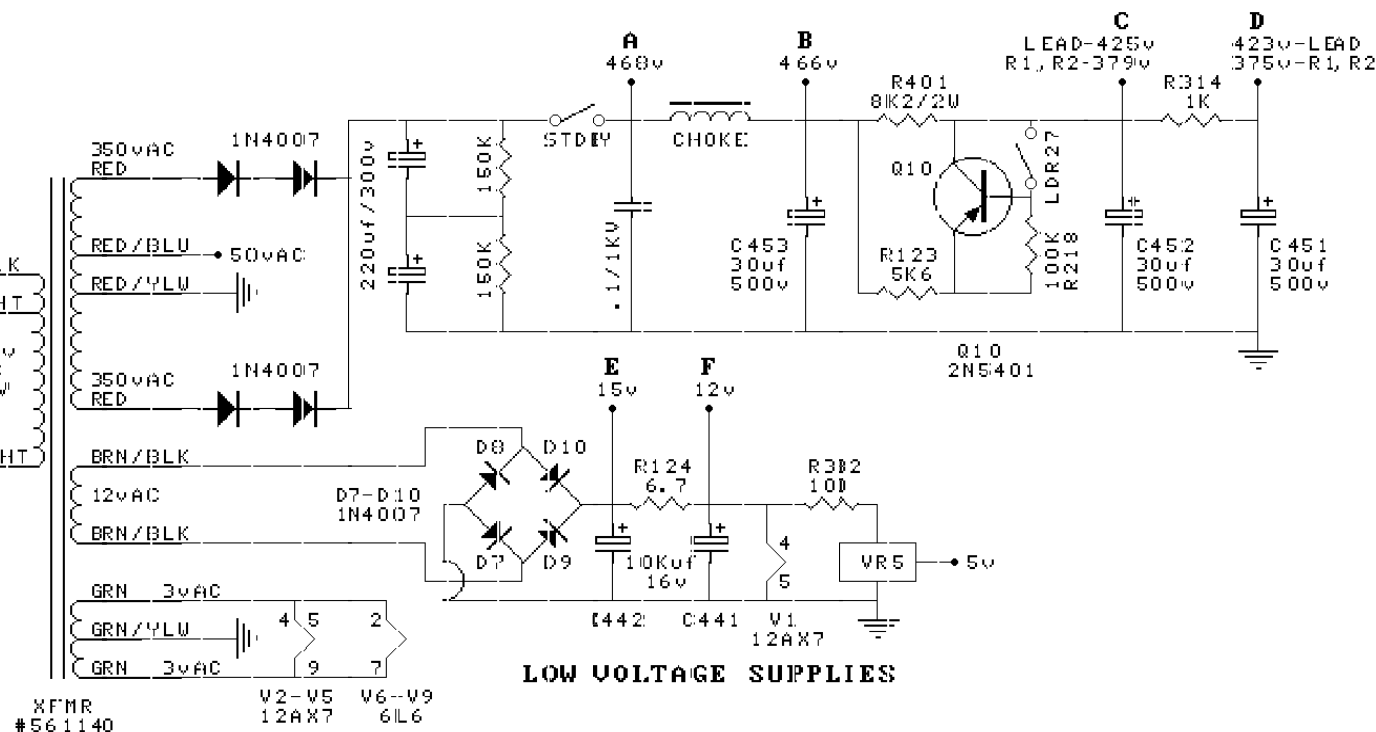
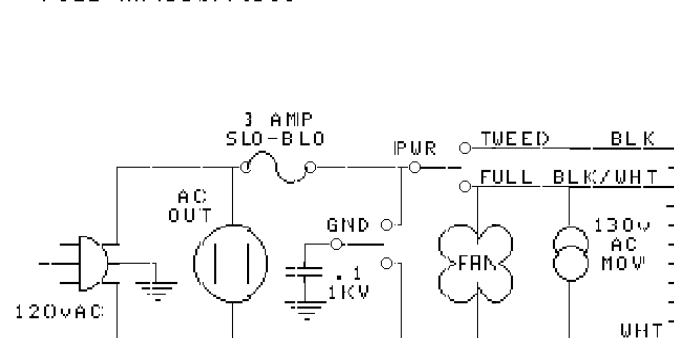
FILE MK4BEQ.541



**MESA-BOOGIE
MARK IIB
POWER AMP**

MESA-BOOGIE
MARK IIB
POWER AMP

FILE MK4BSUPP.S01



1.5 AMP
SLO-BLO

PUR

TWEED

FULIL

MO#
275v
AC

T2 RD/BLK

T1 OR -

0v BLU -

100v BLK/UHT -

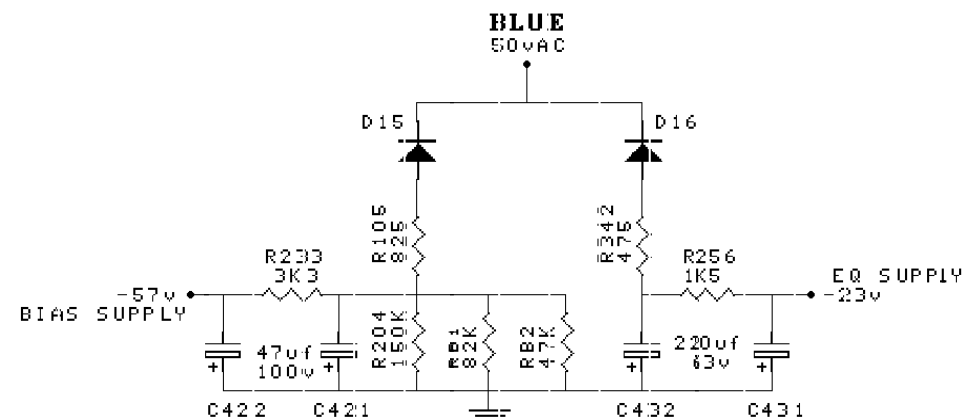
117v BLK -

220v BRN/UHT -

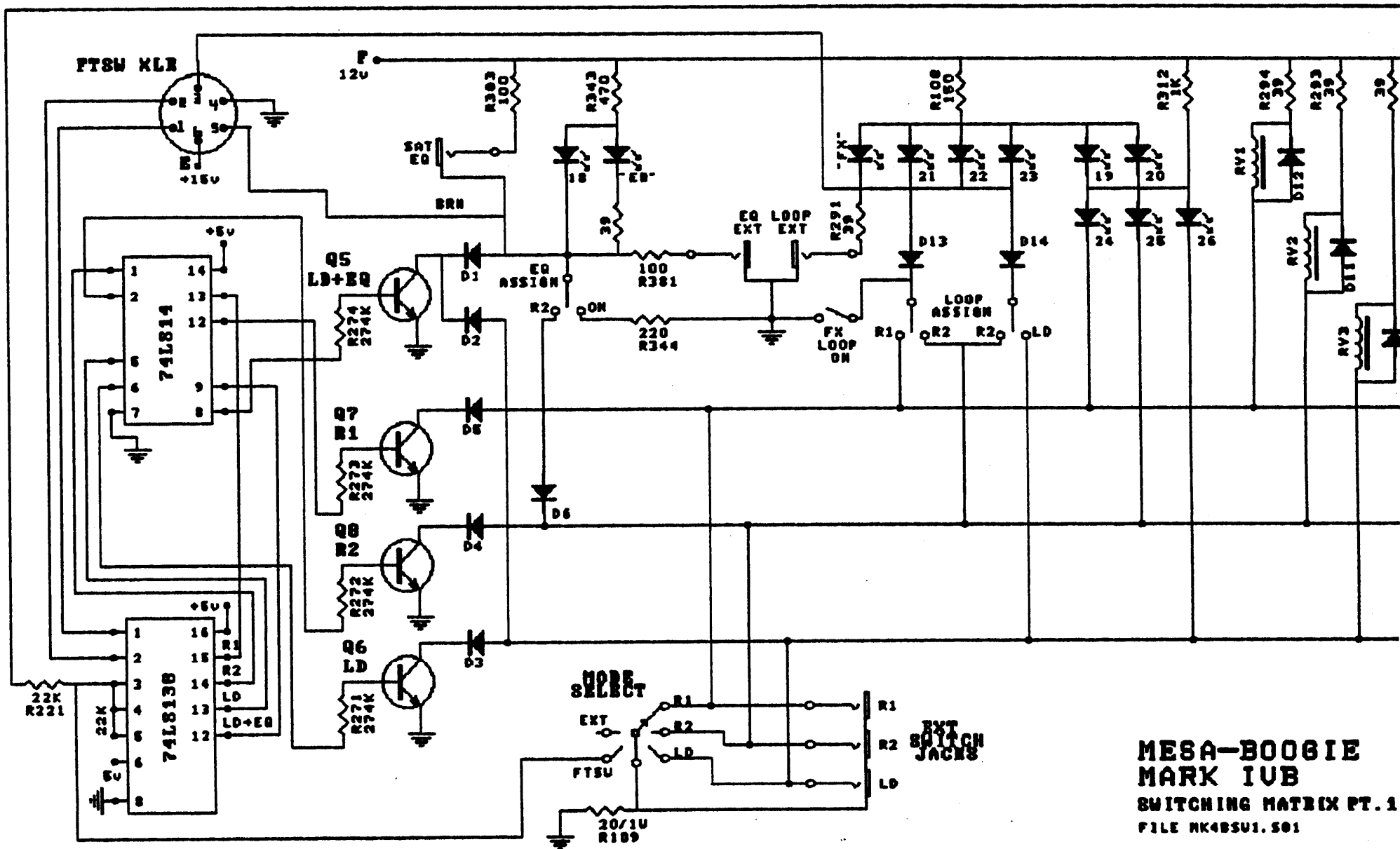
230v BRN/UHT -

240v BRN -

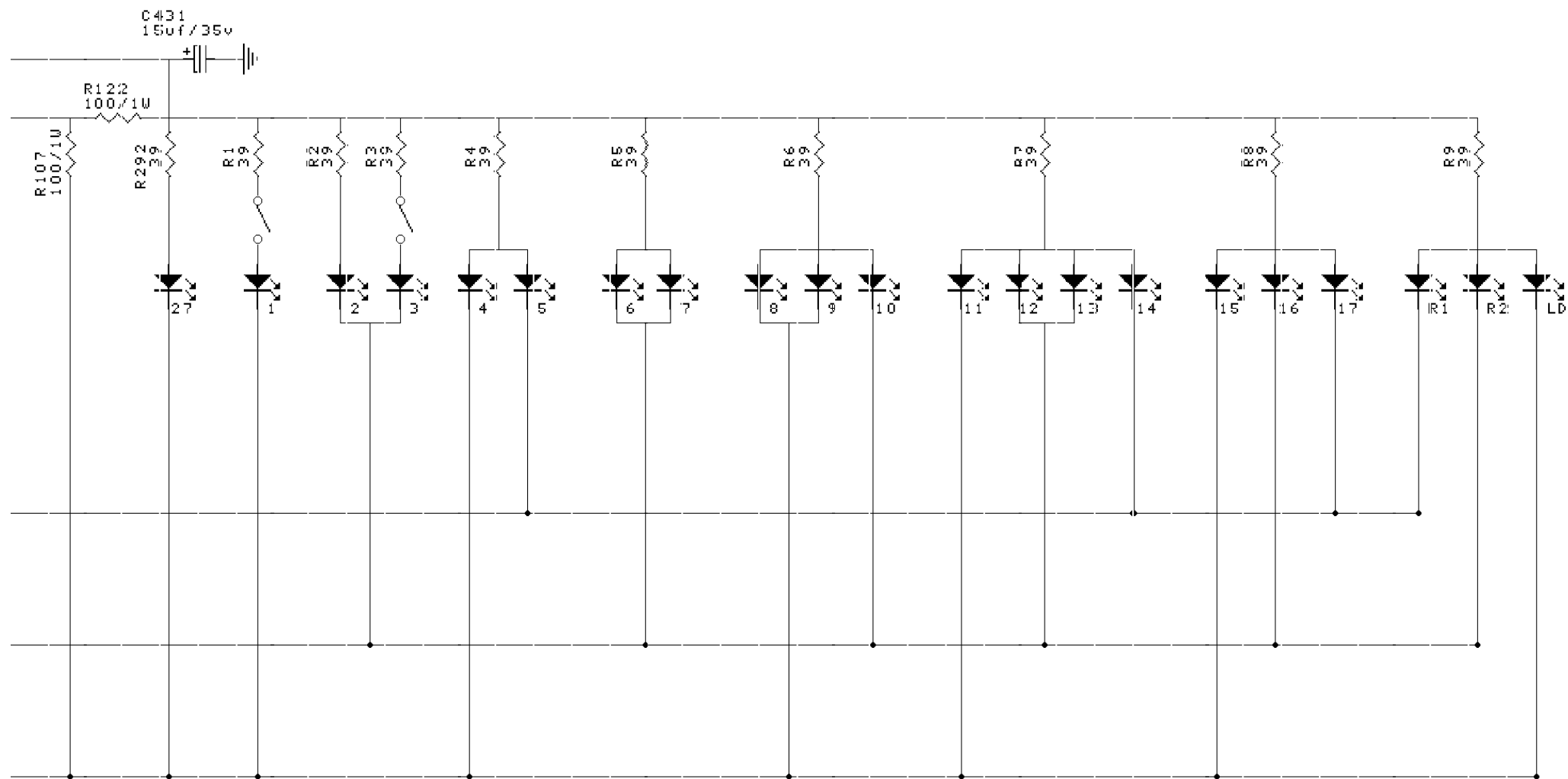
XF MR #561141



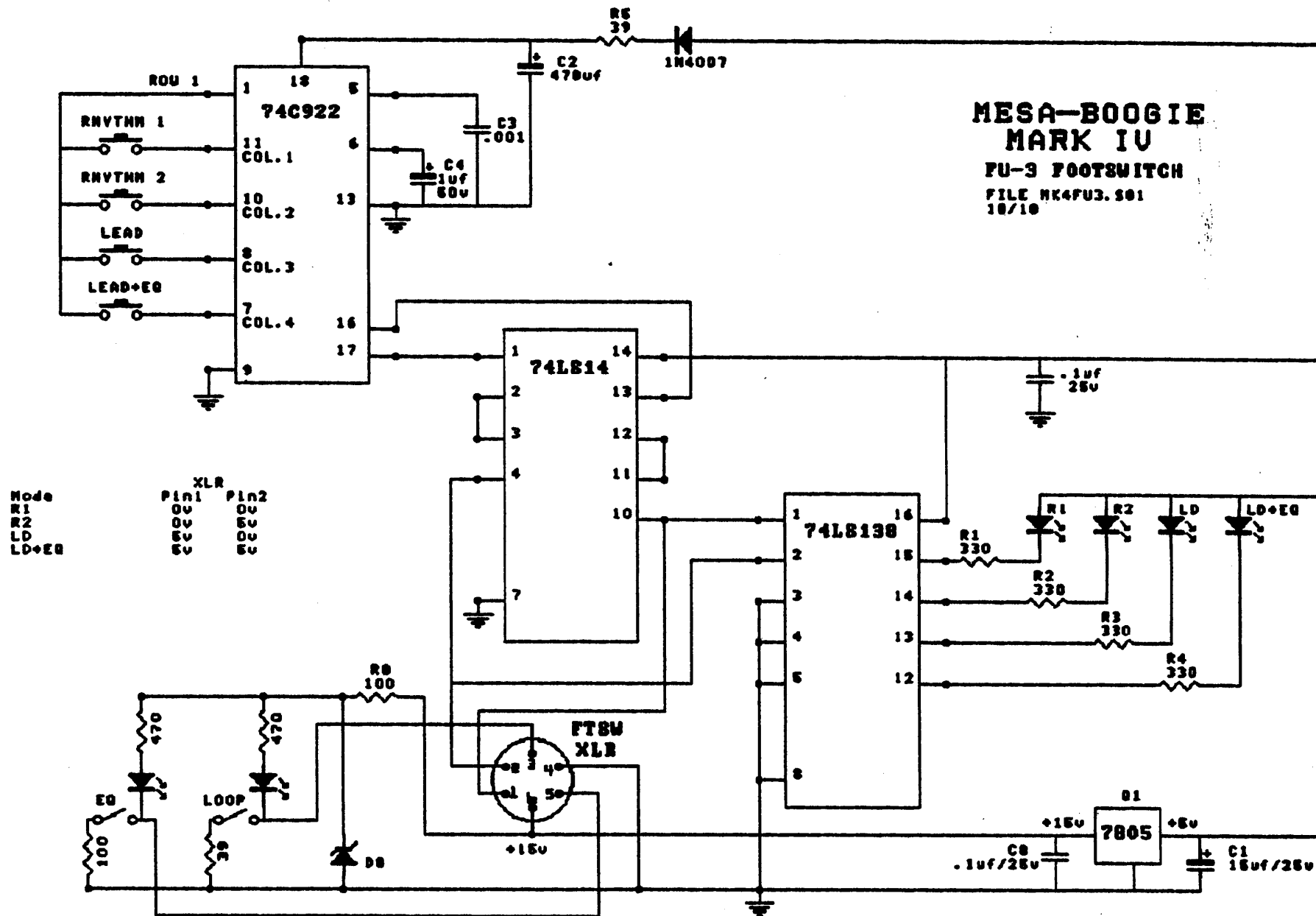
LOW V NEGATIVE SUPPLIES



**MESA-BOOGIE
MARK IUB
SWITCHING MATRIX PT. 1
FILE HK4BSU1.501**



MESA-BOOGIE
 MARK IUB
 SWITCHING MATRIX PT2
 FILE MK4BSU2.S01



MARK IUB

POWER AMP STABILIZATION MOD

1. Remove existing buss wire connection between pin 5 of inner 6L6 sockets and terminal towers.
2. Install 2K2 series resistors *
3. Test for stability, all modes.

