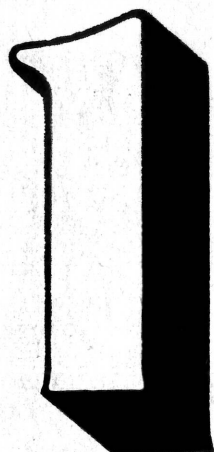


SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM No. 1

No.



KENWOOD

KENWOOD

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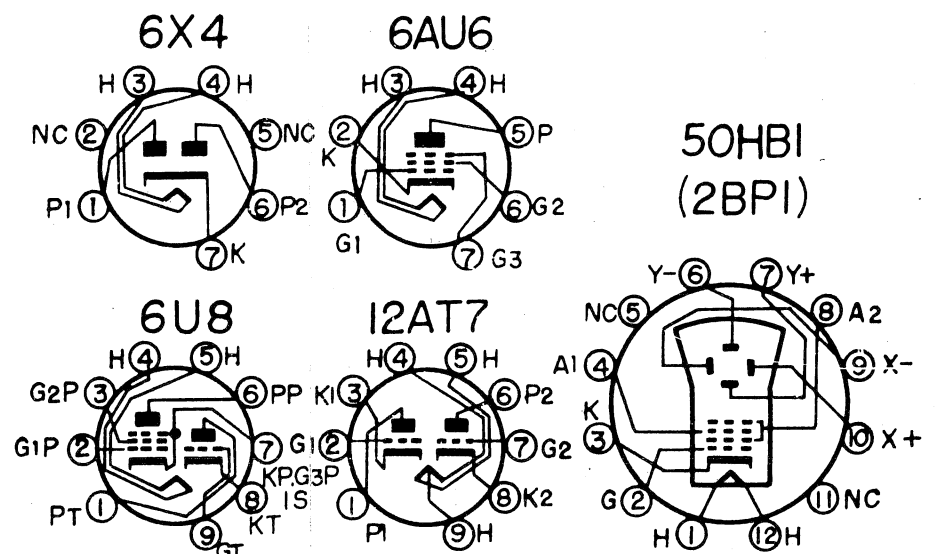
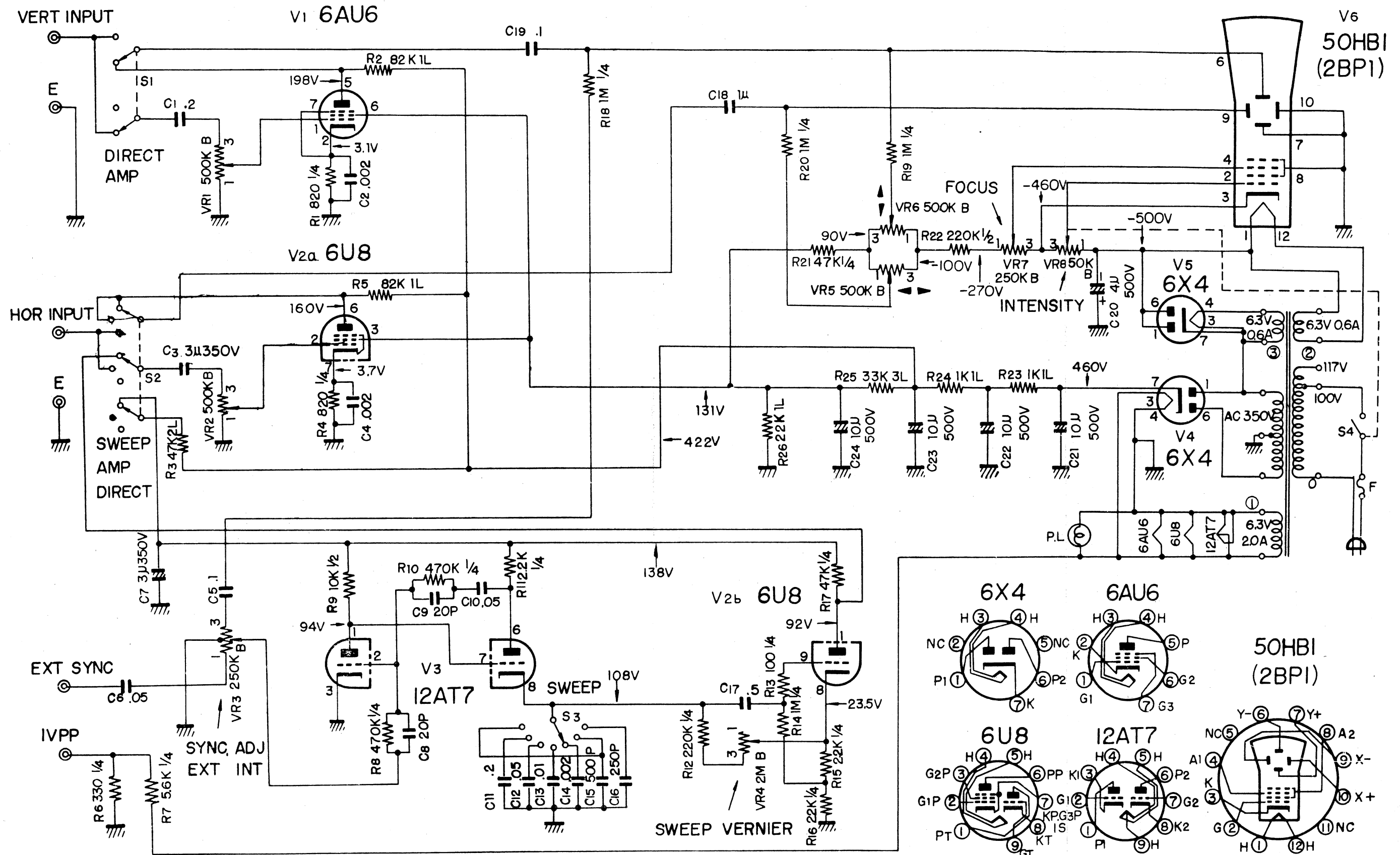
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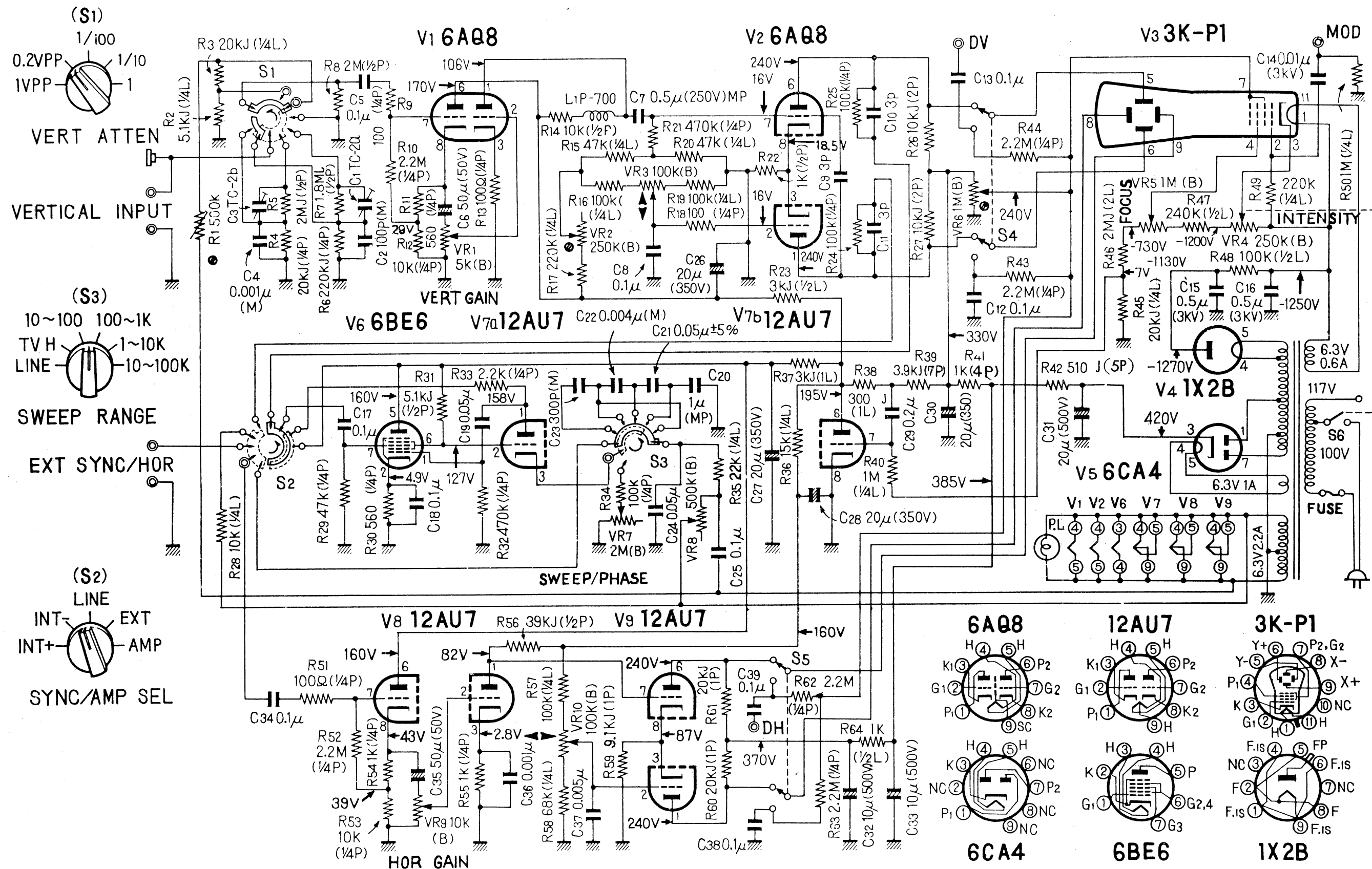
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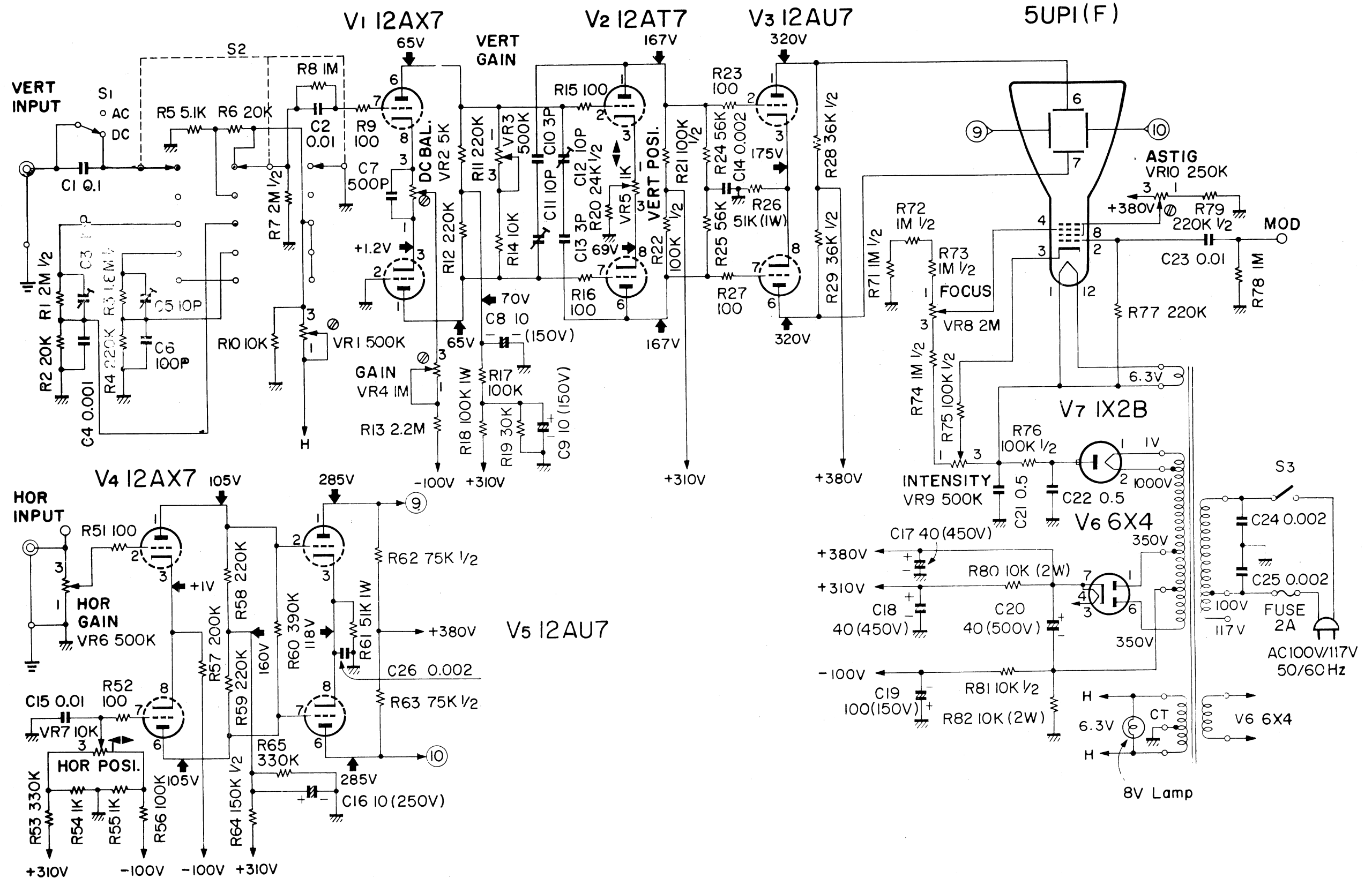
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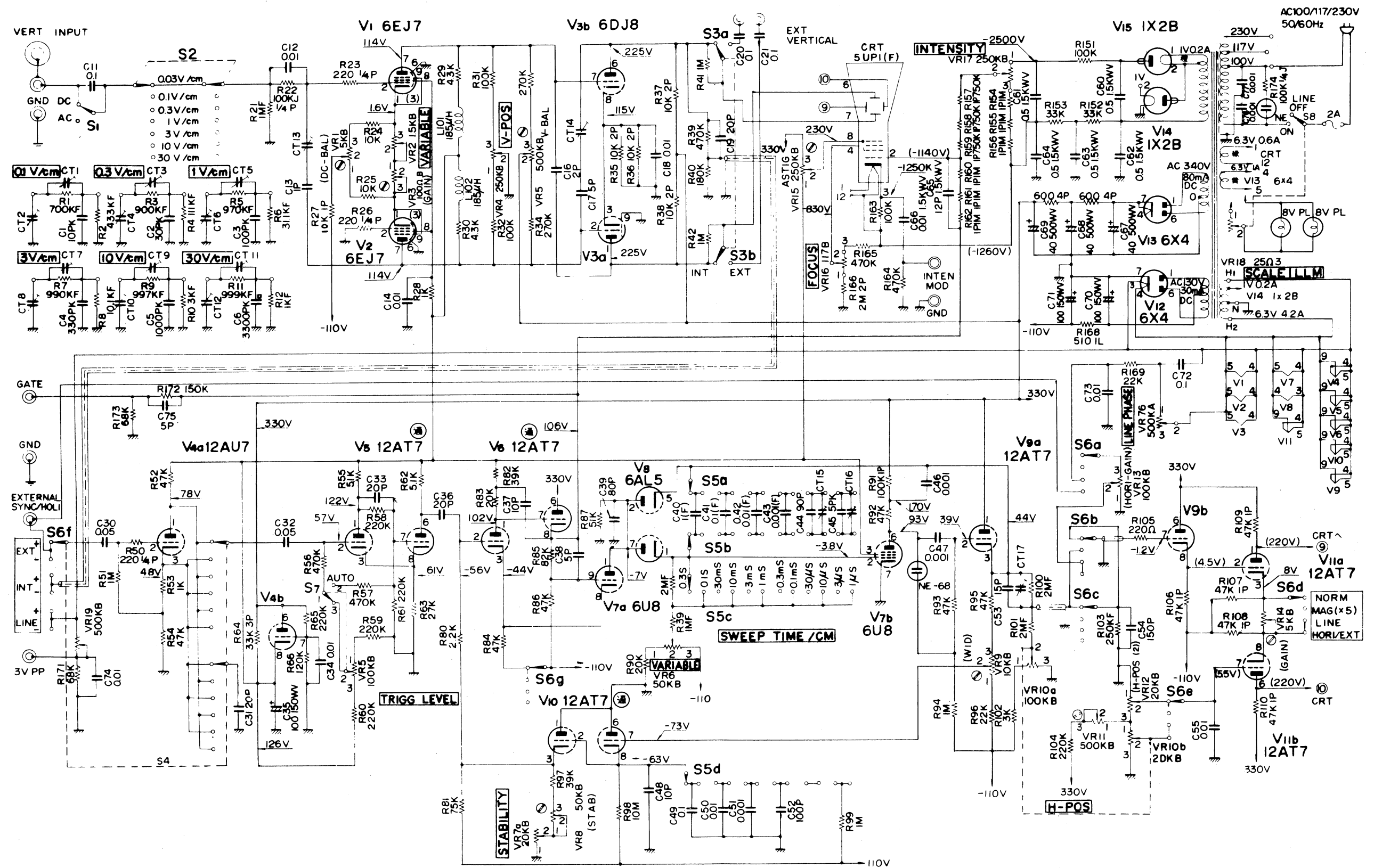
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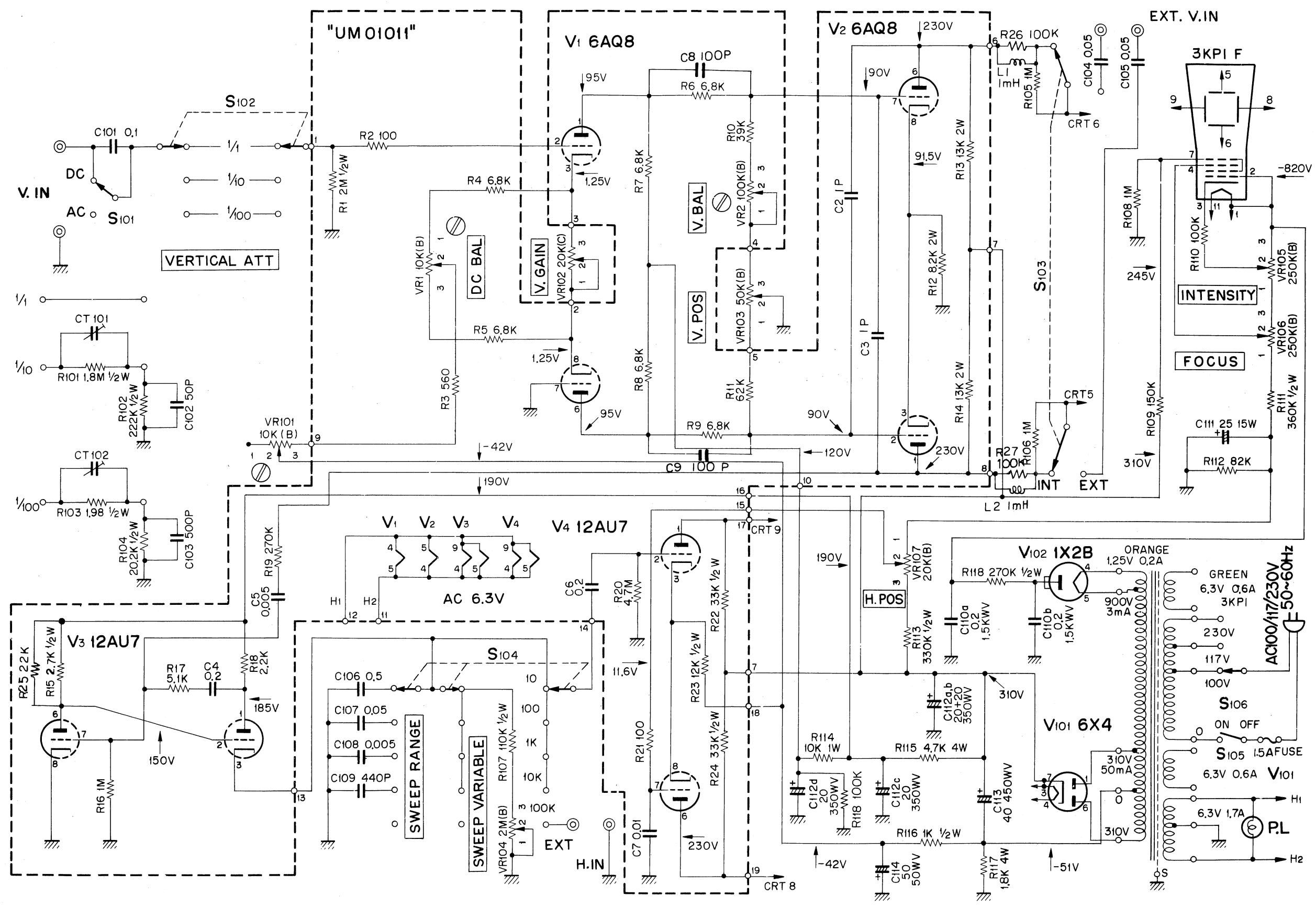
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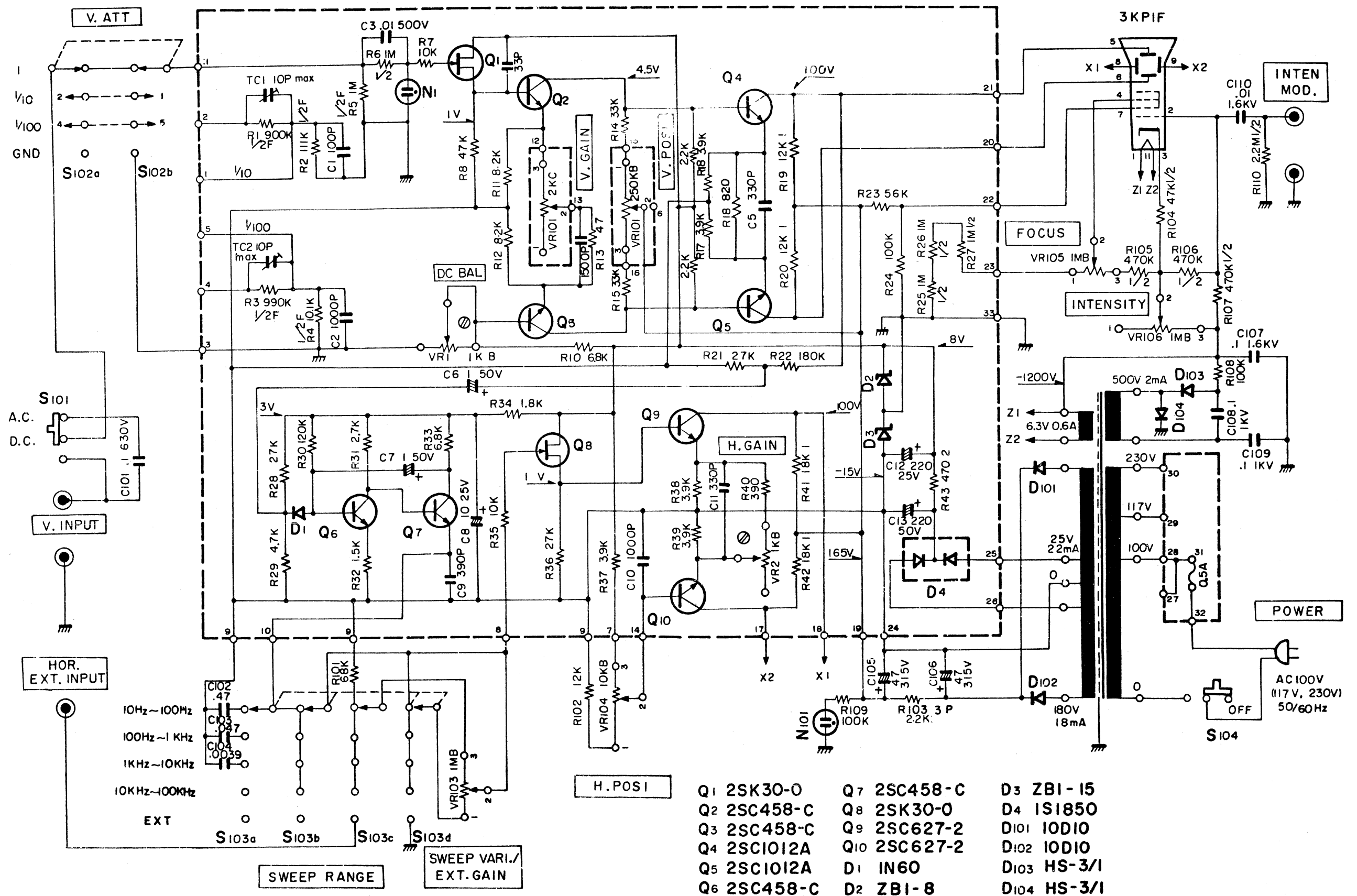




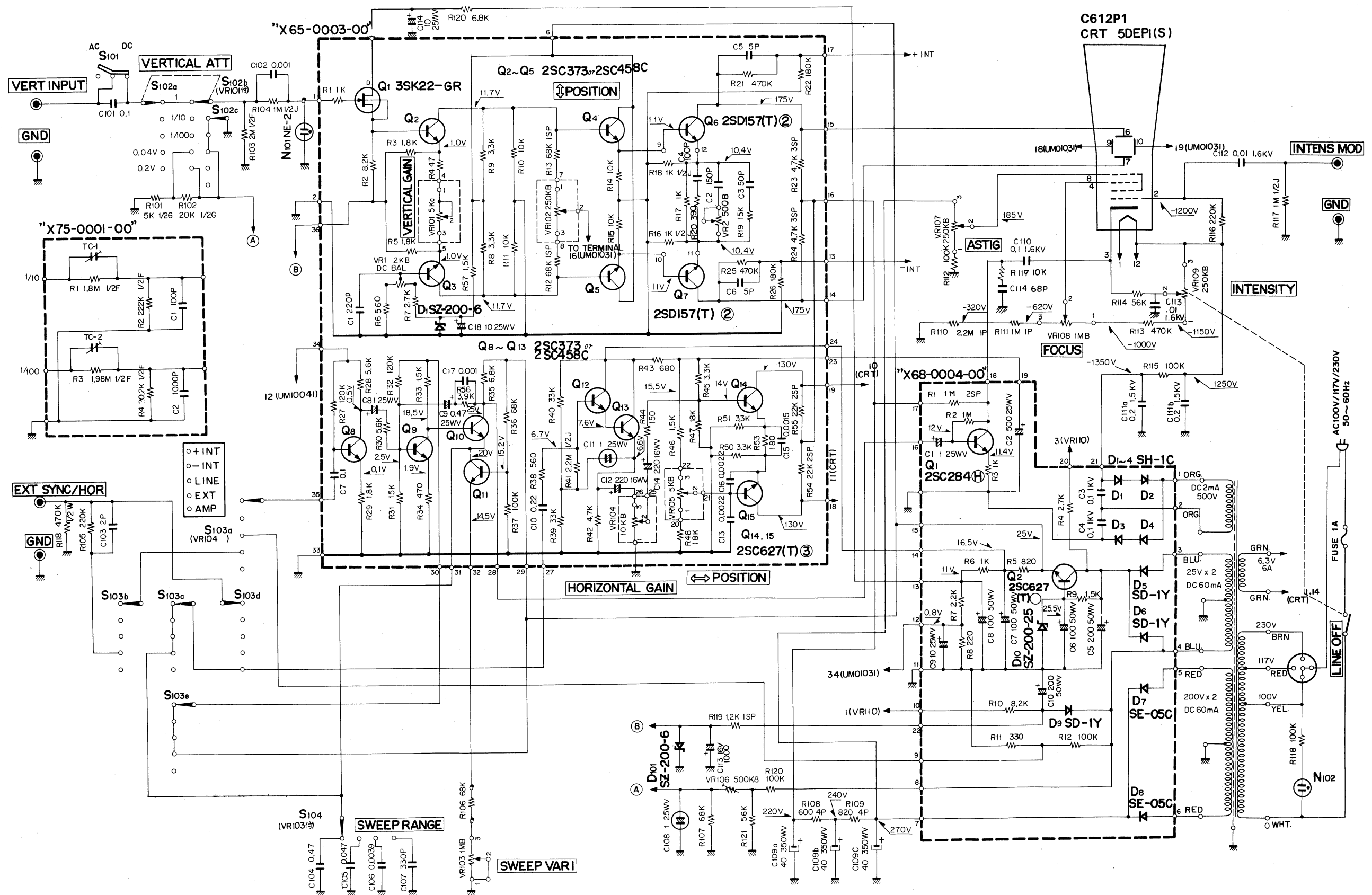


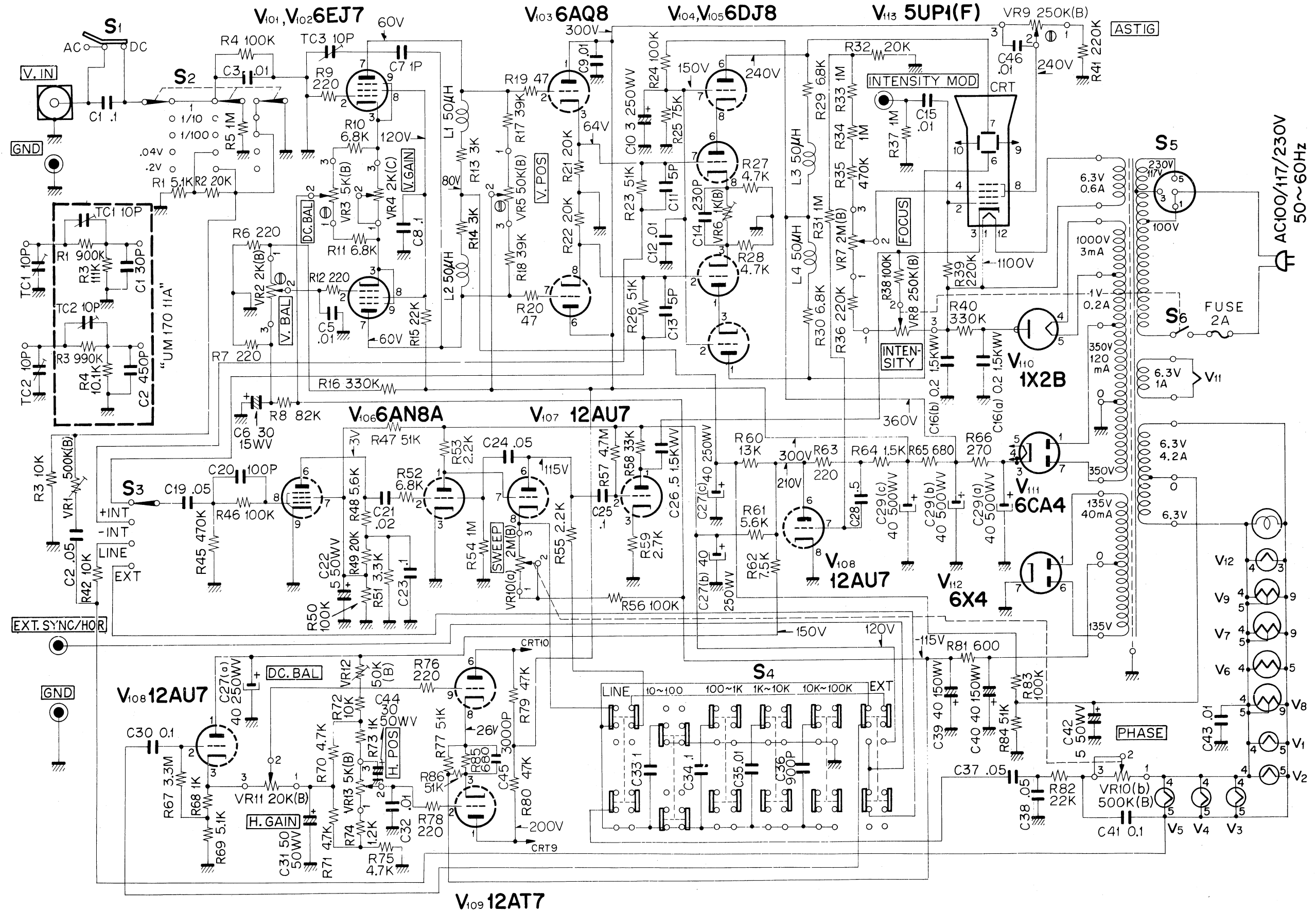




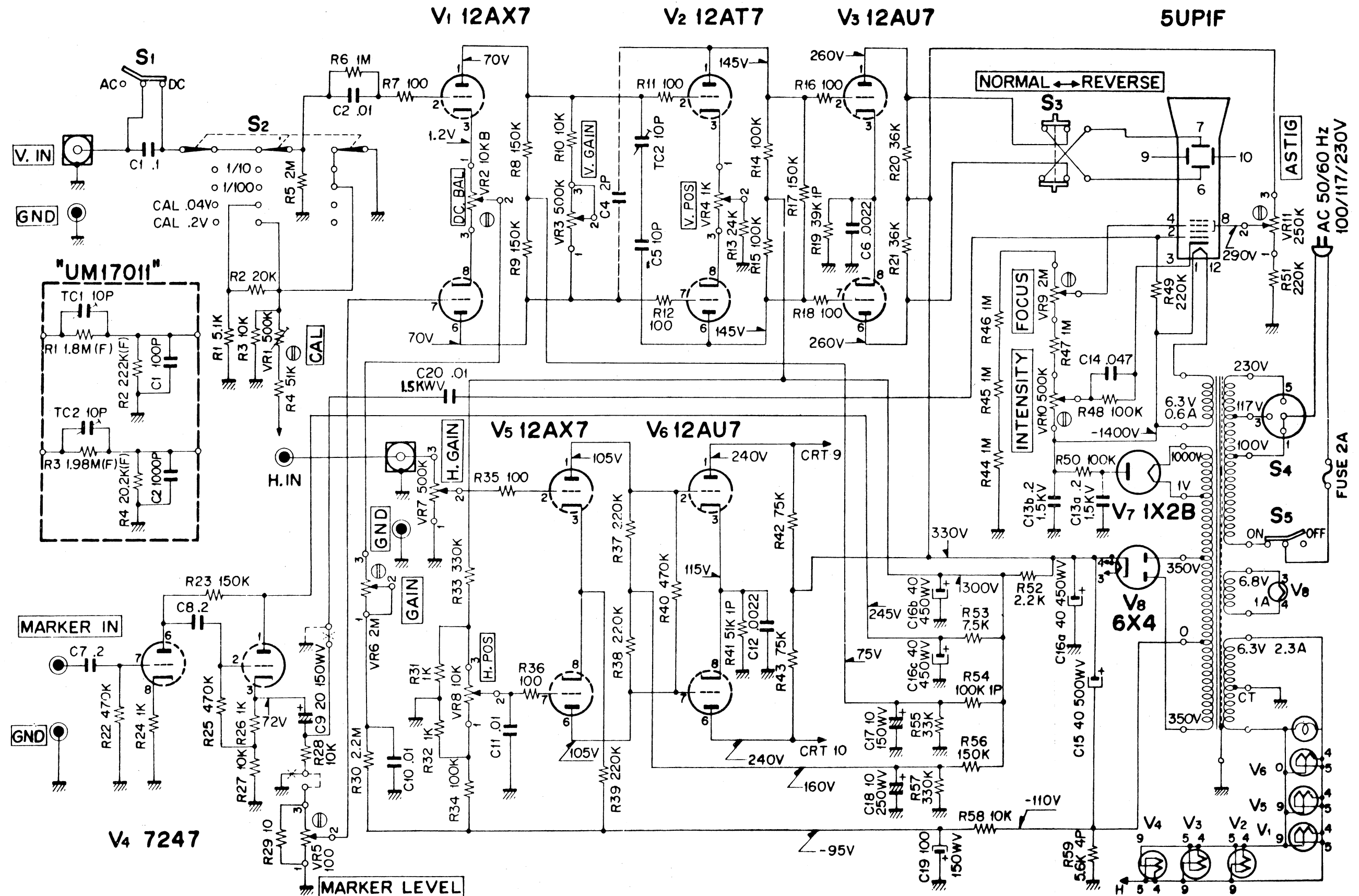




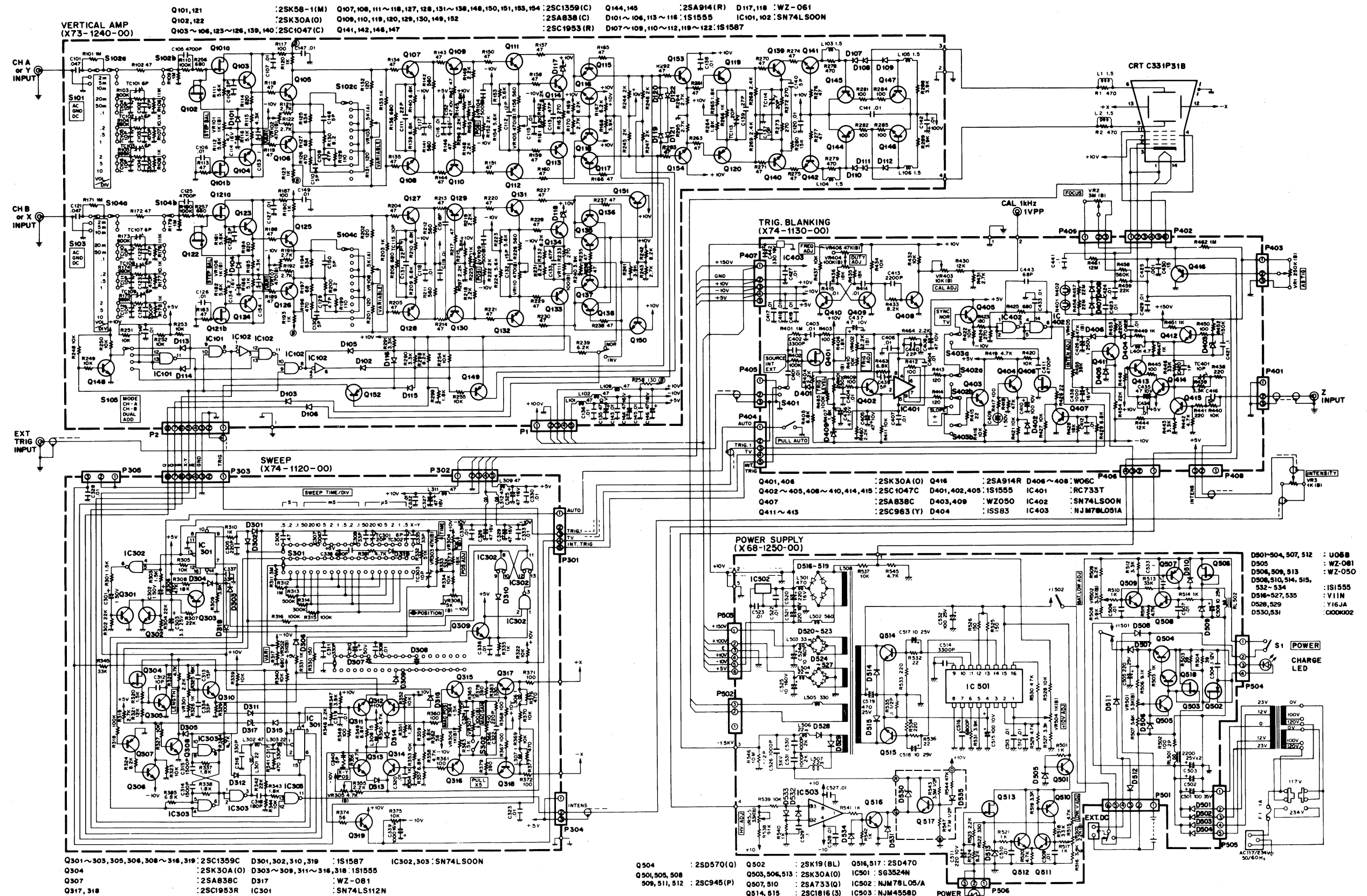


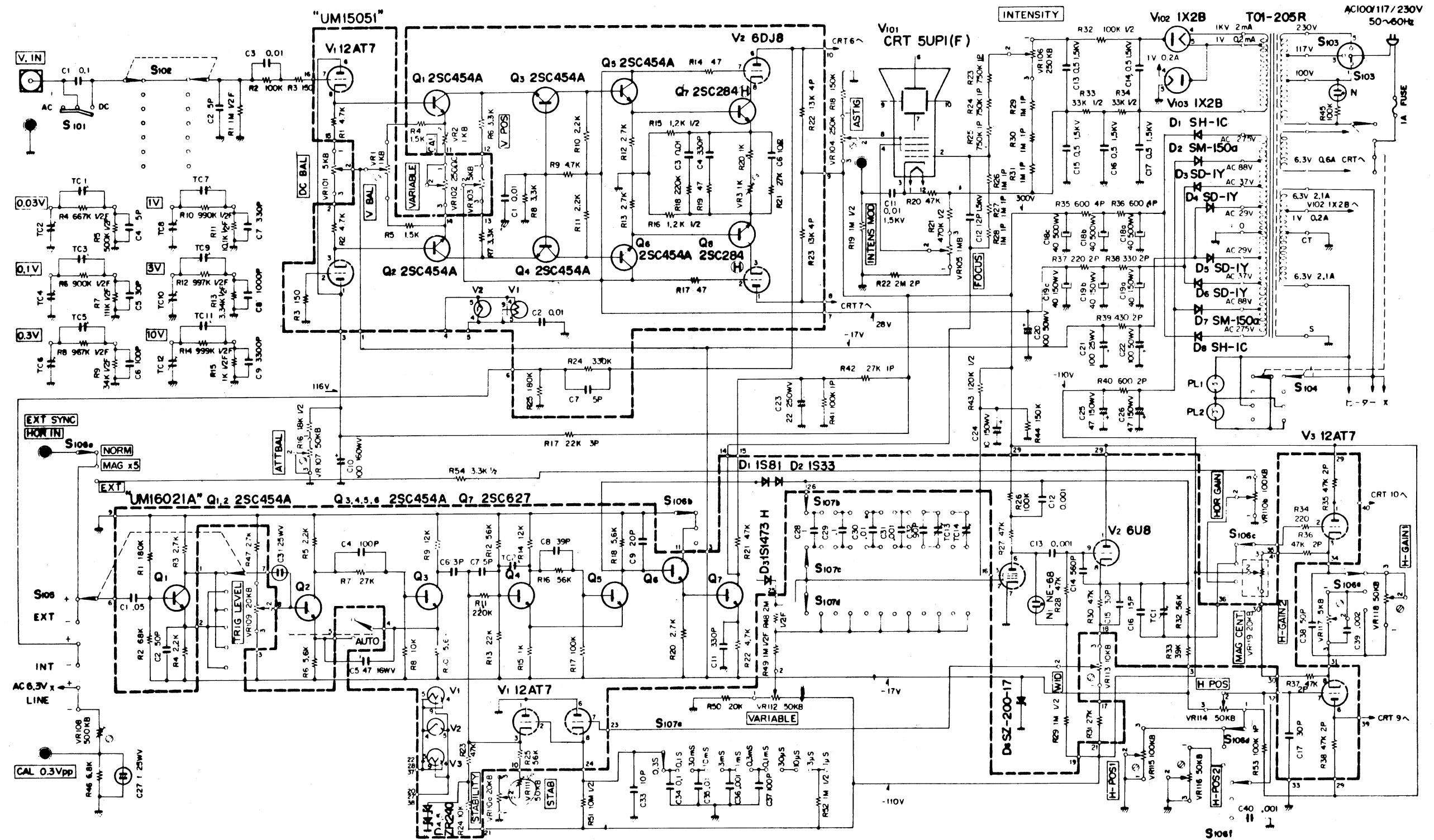


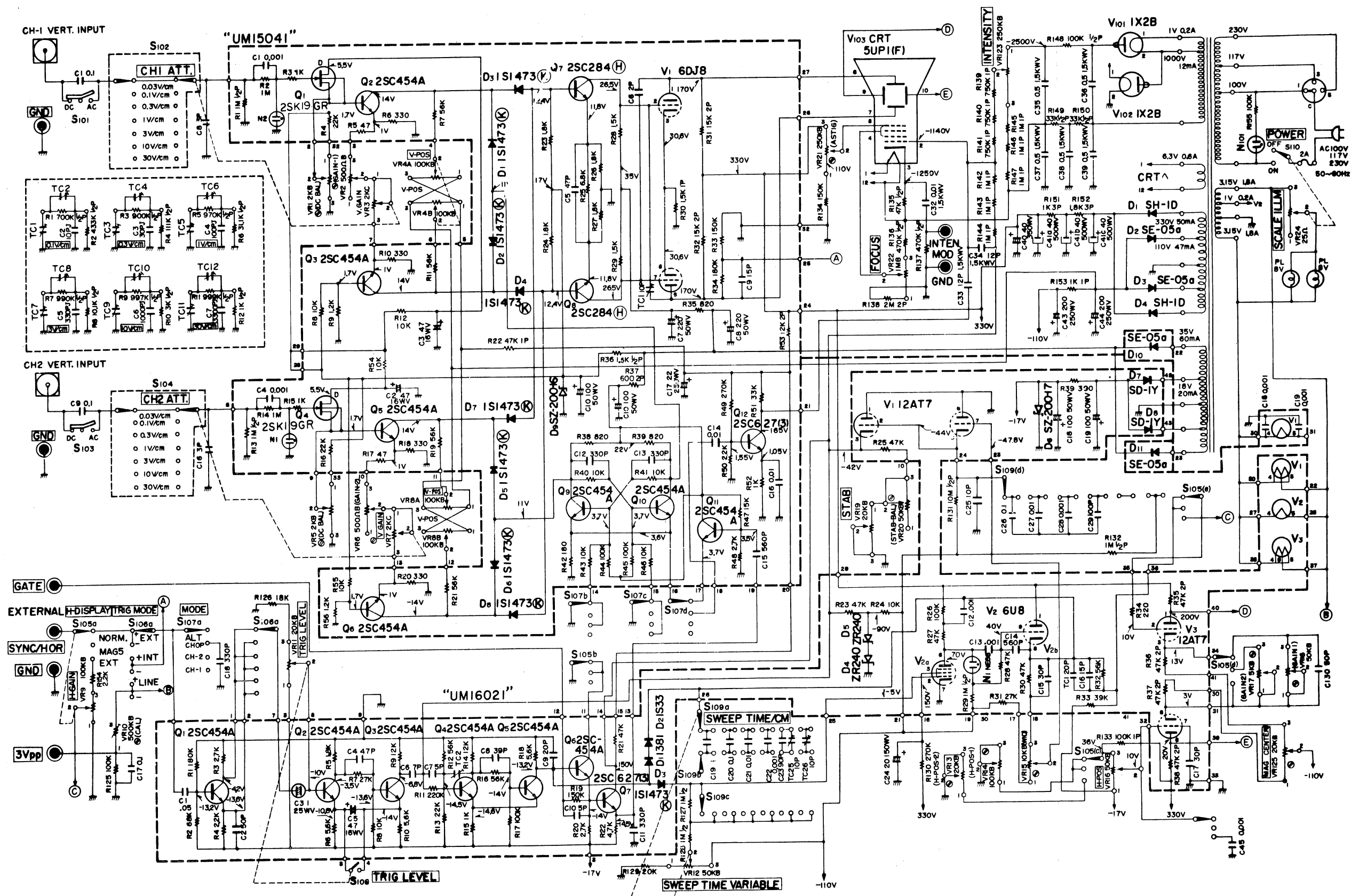


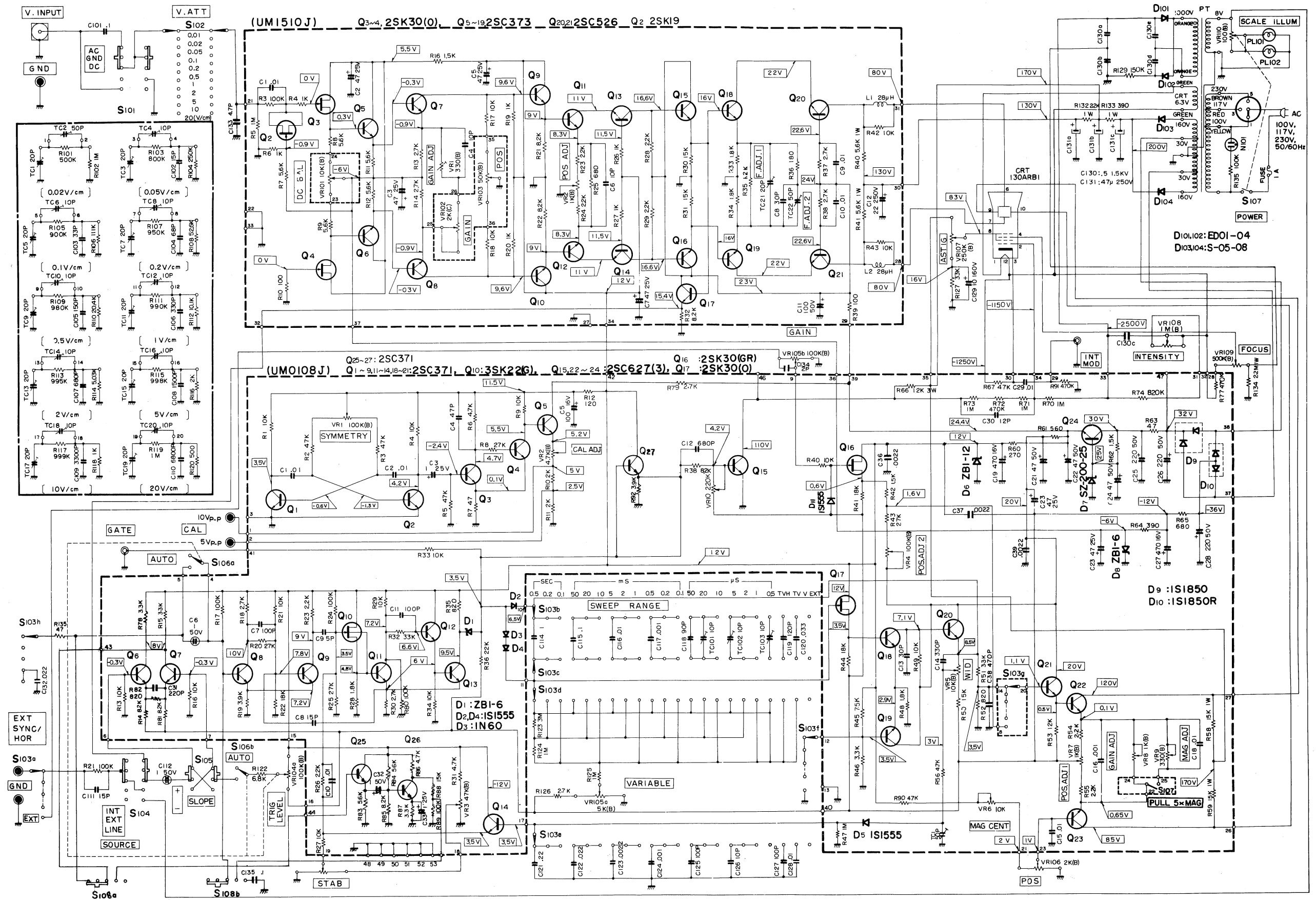




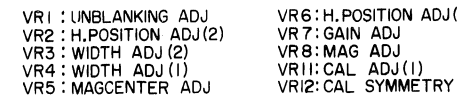


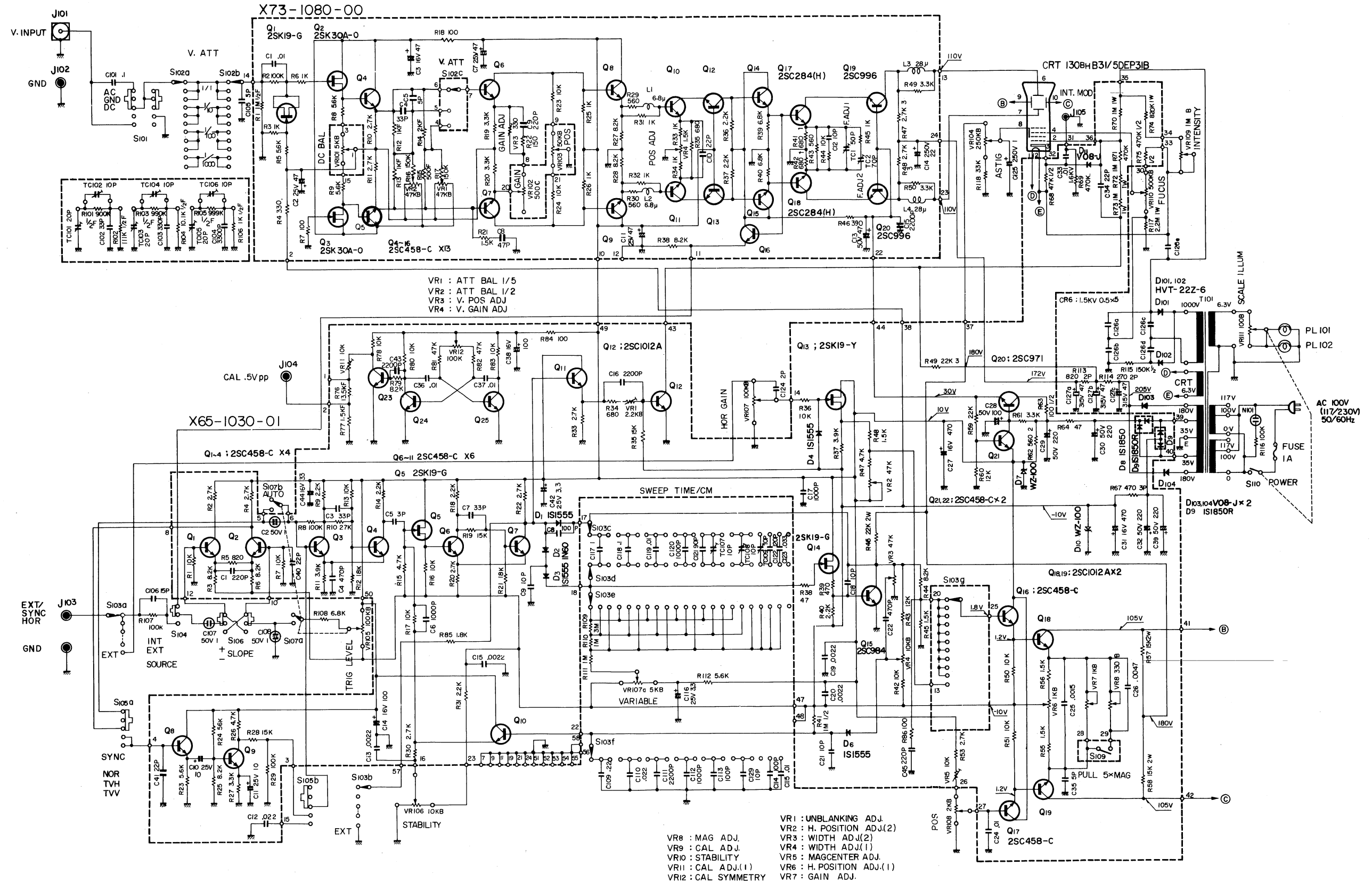




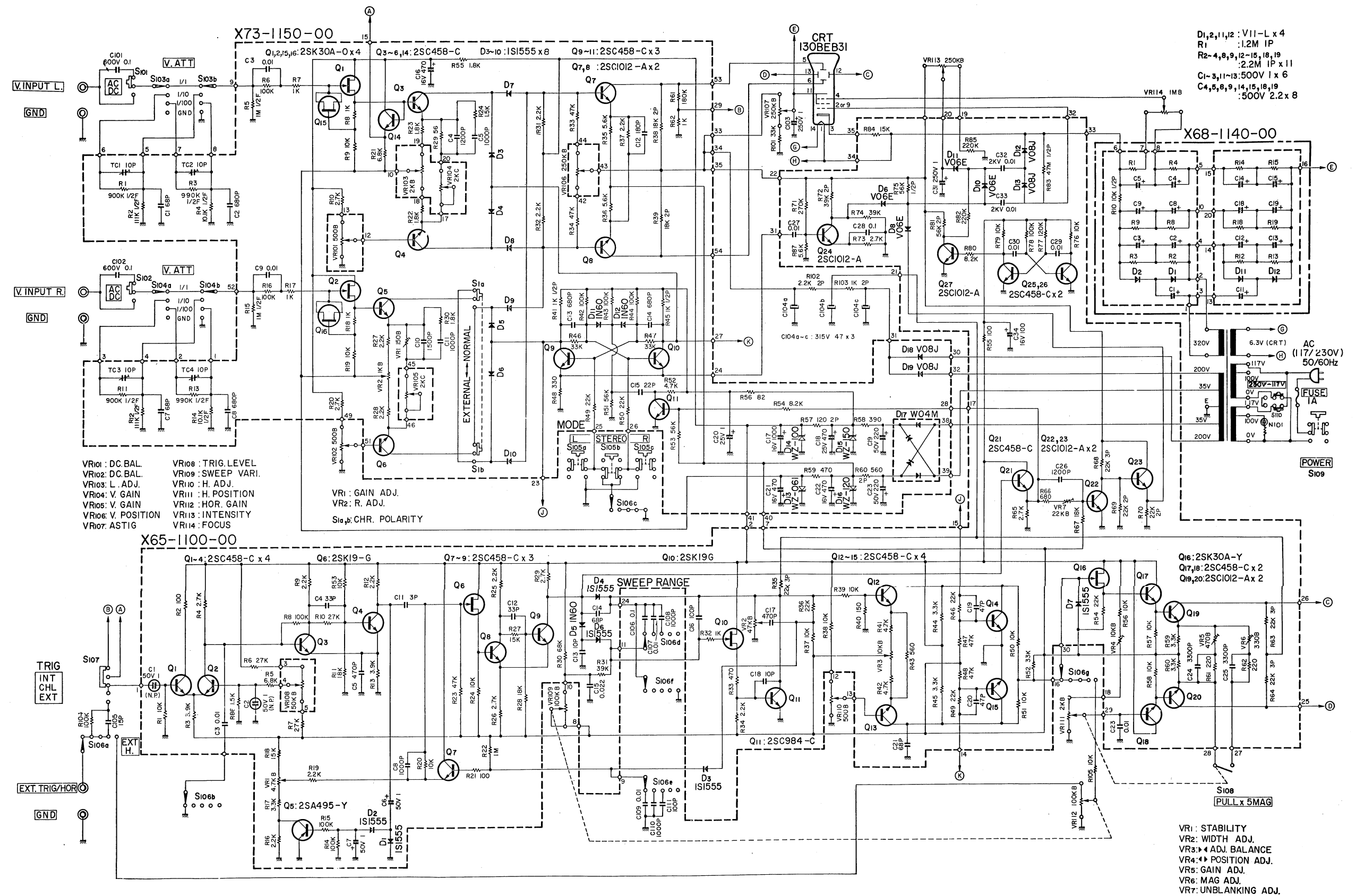


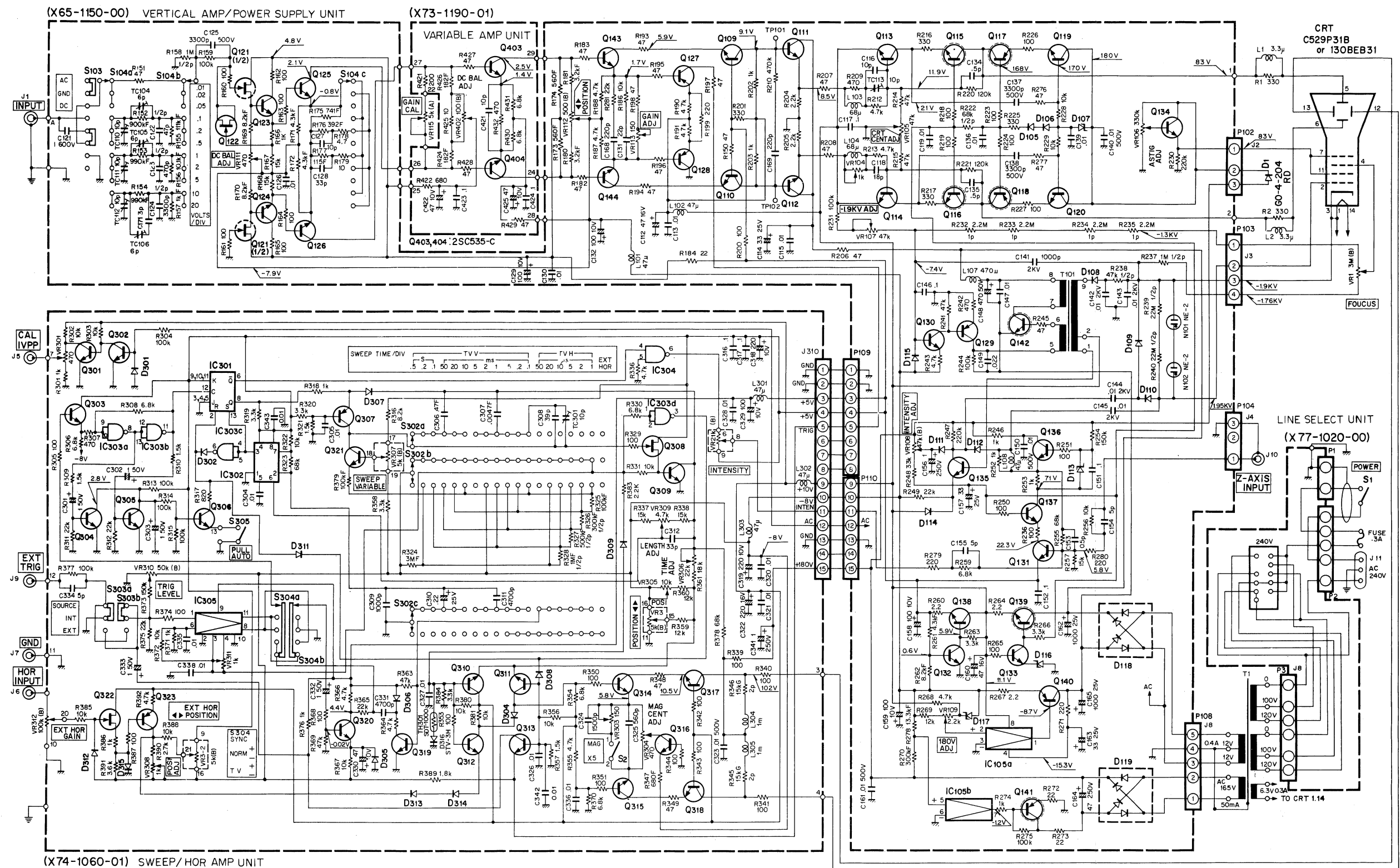












(X74-1060-01) SWEEP/HOR AMP UNIT

Q301~306, 309~316, 319~321: 2SC945 (P), Q307, 323: 2SA733 (Q), Q308, 322: 2SK30A (O), Q317, 318: 2SC1507

D301,302,304~306,308,309,311~315,: 1S1555, D307 : 1S1587, D316:STV-3H

IC301:TD3472AP, IC302:RC555DN, IC305:AN606

Q 109~112, 119, 120, 123, 124, 130, 132, 133, 2SC945(P), Q113, 114, 125, 126, 131, 143, 144 : 2SC535(C), Q115, 116 : 2SC1628(Y)

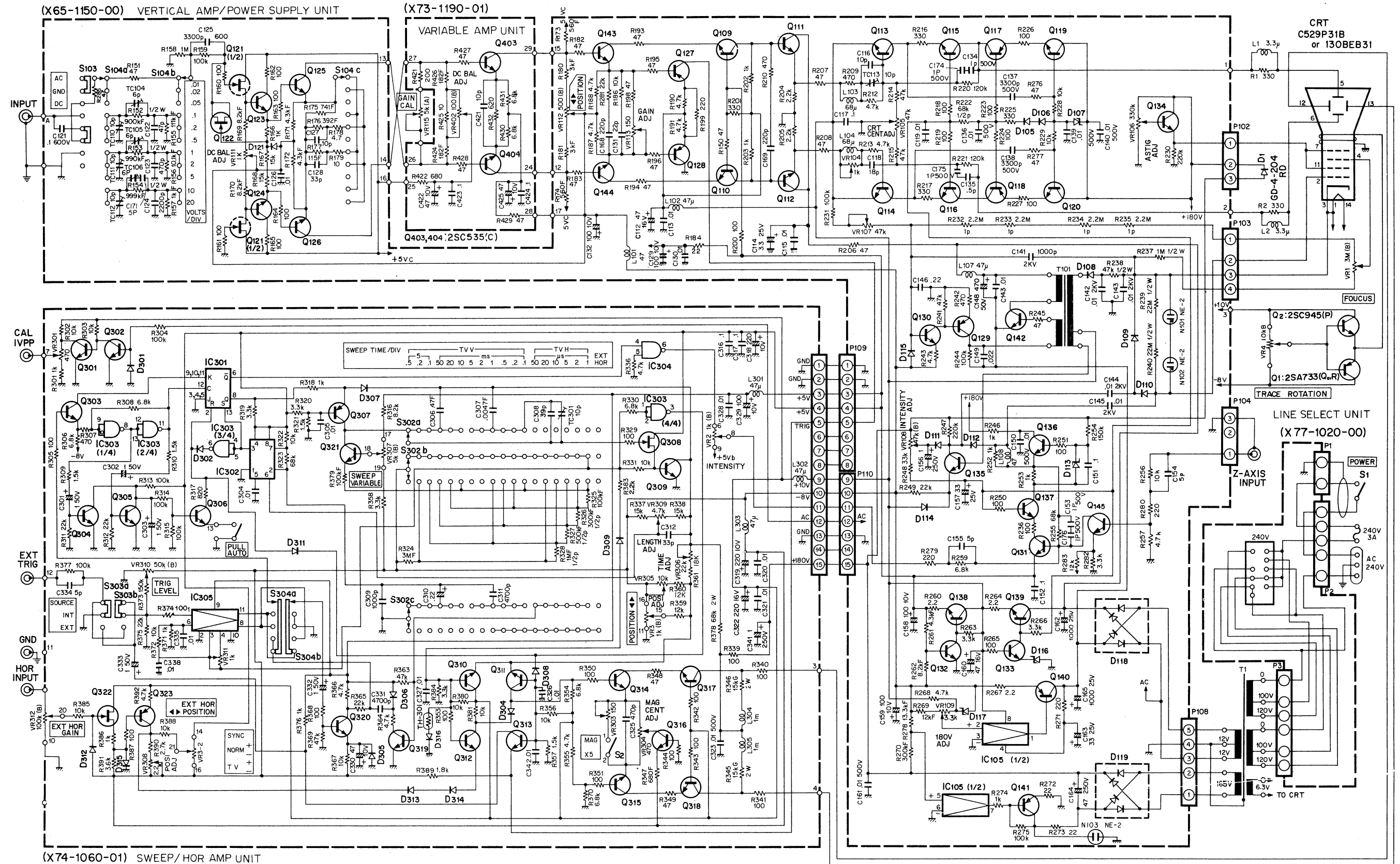
Q117, 118: 2SA818(Y), Q121: E412S, Q122: 2SK30A(O), Q127~129: 2SA733(Q)

Q134~137:2SC983(Y), Q138:2SC1213(C), Q139:2SC1419(C), Q140:2SA755(C), Q141:2SB536(2) LM

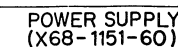
Q142: 2SD401(M), IC105: RC4558T

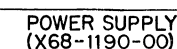
D105, 106, 114, 115: 1S1555, D107, 116: WZ-100, D108: Y16JA, D109~111: W06C, D112: 1S1705, D113: WZ-050

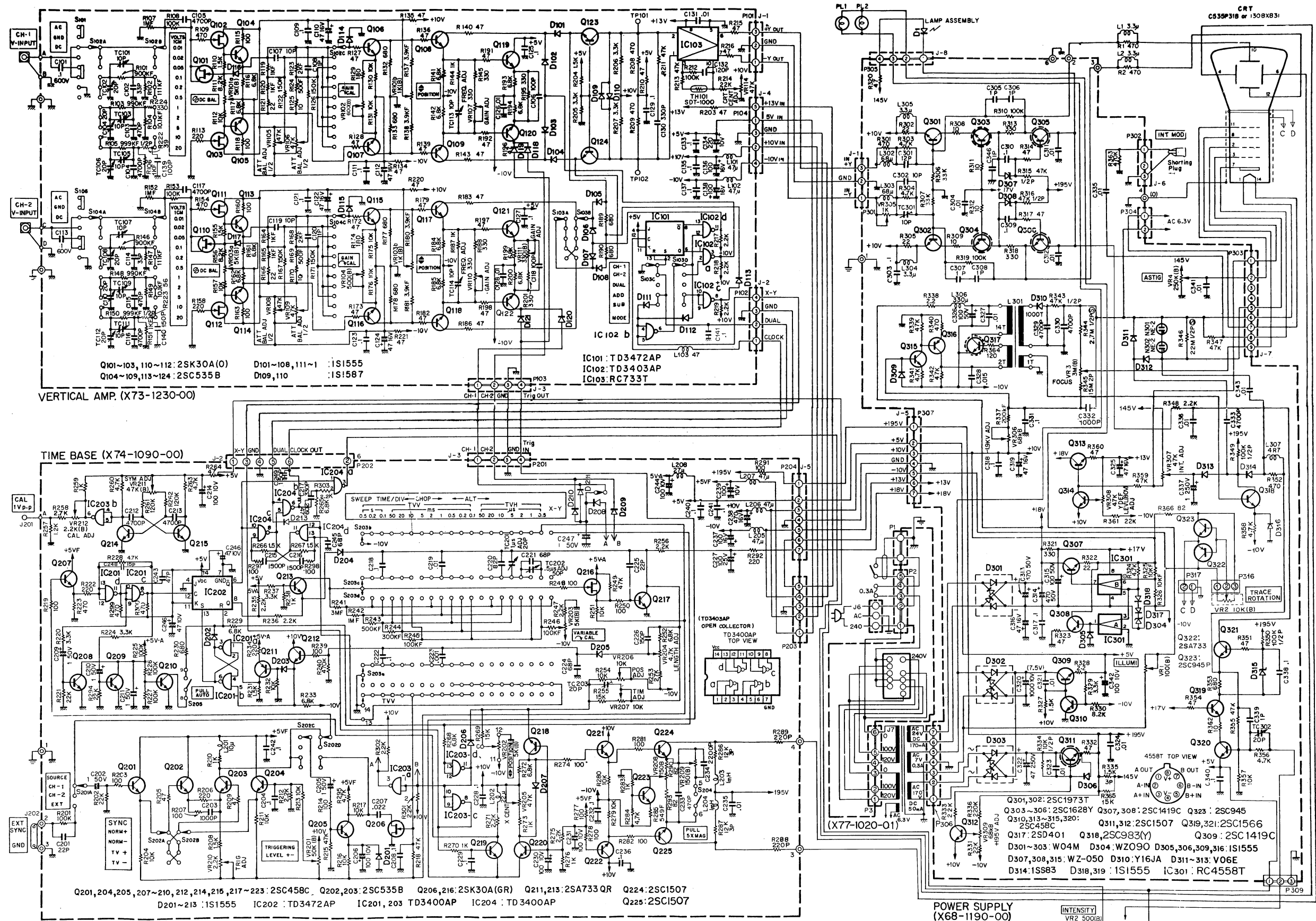
D117: WZ-090, D118, 119: SIQB60



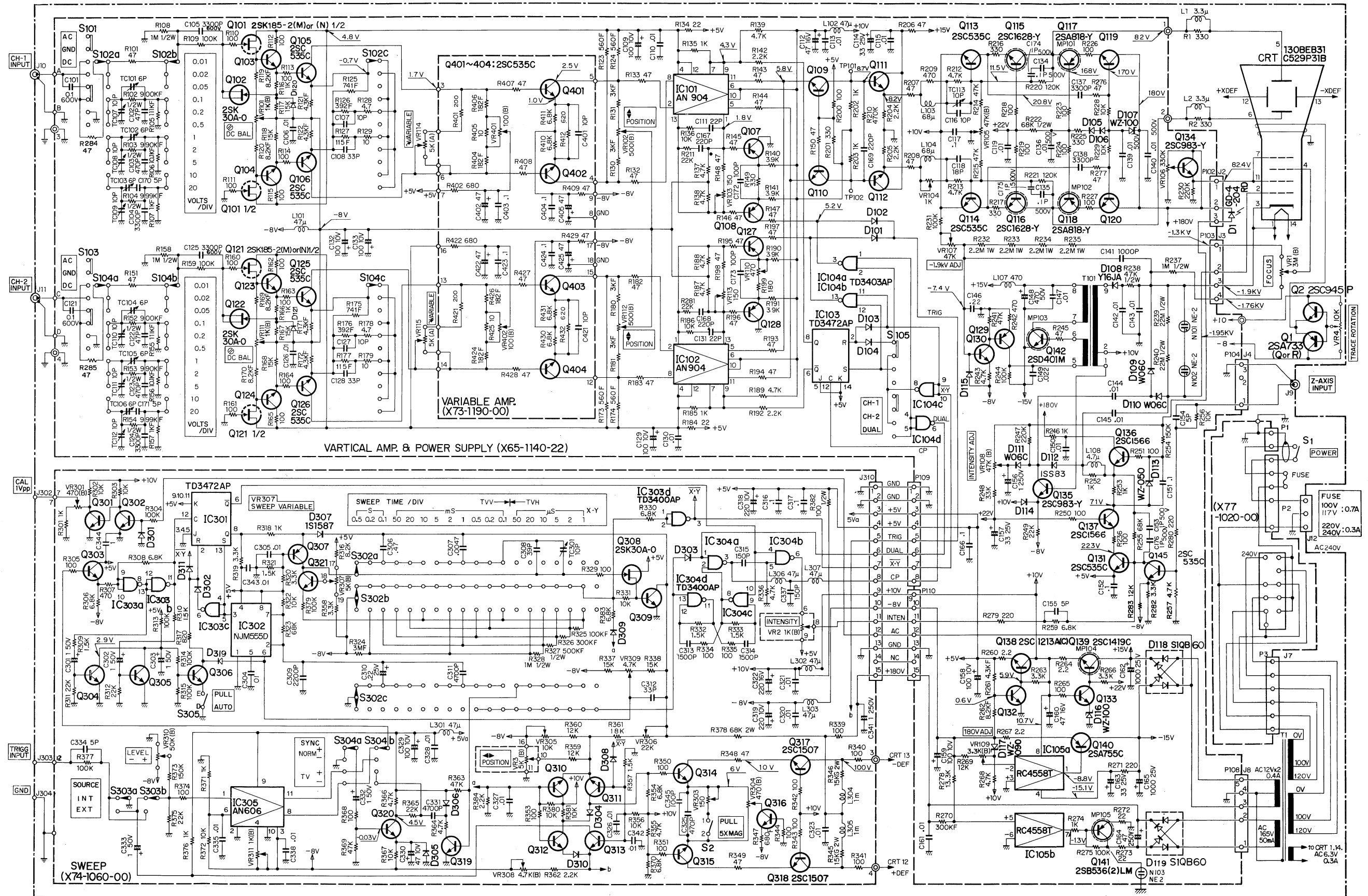
RESISTANCE VALUES IN Ω , 1/4W, CAPACITANCE IN μ F, F AND INDUCTANCE IN H UNLESS OTHERWISE SPECIFIED.

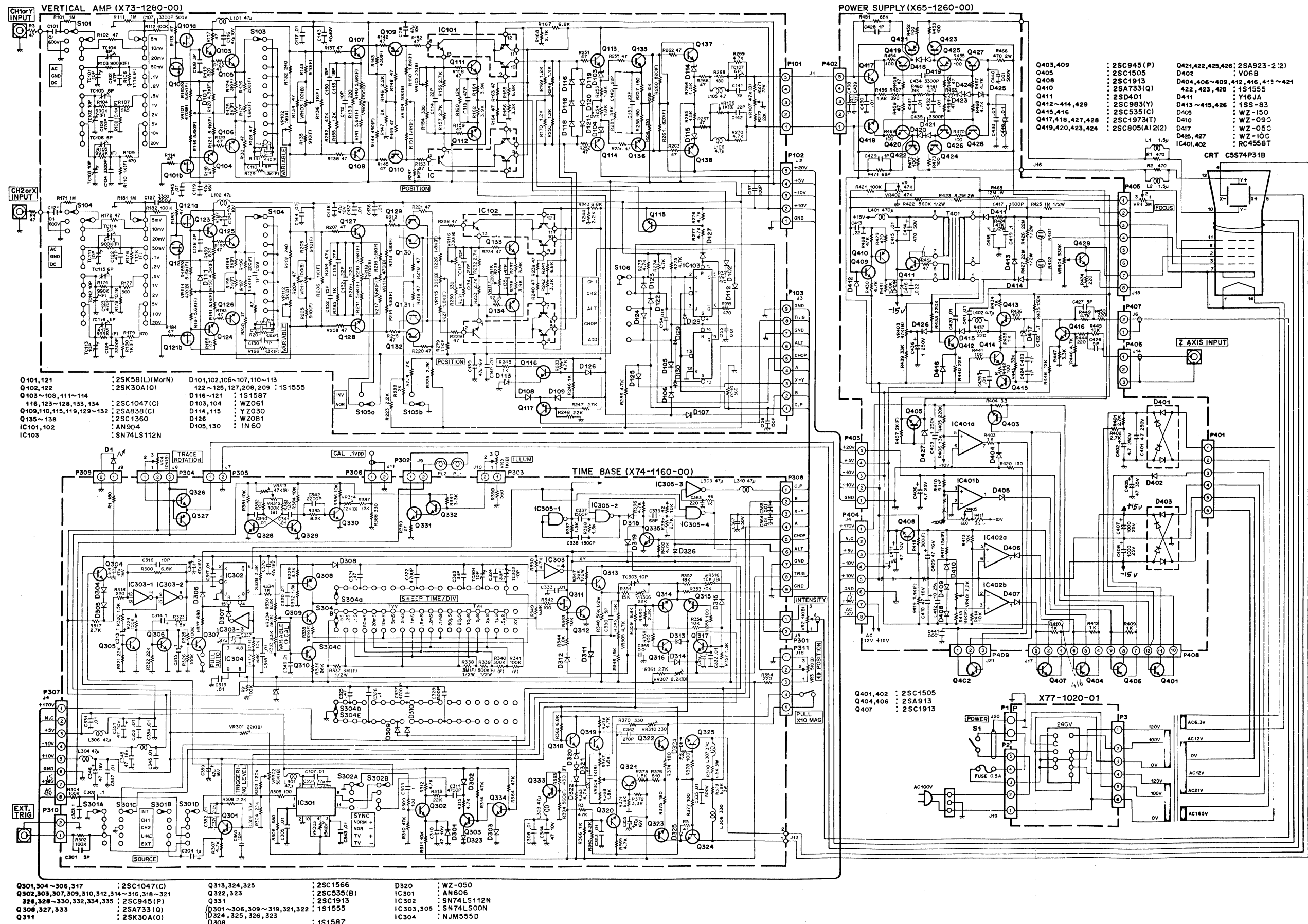


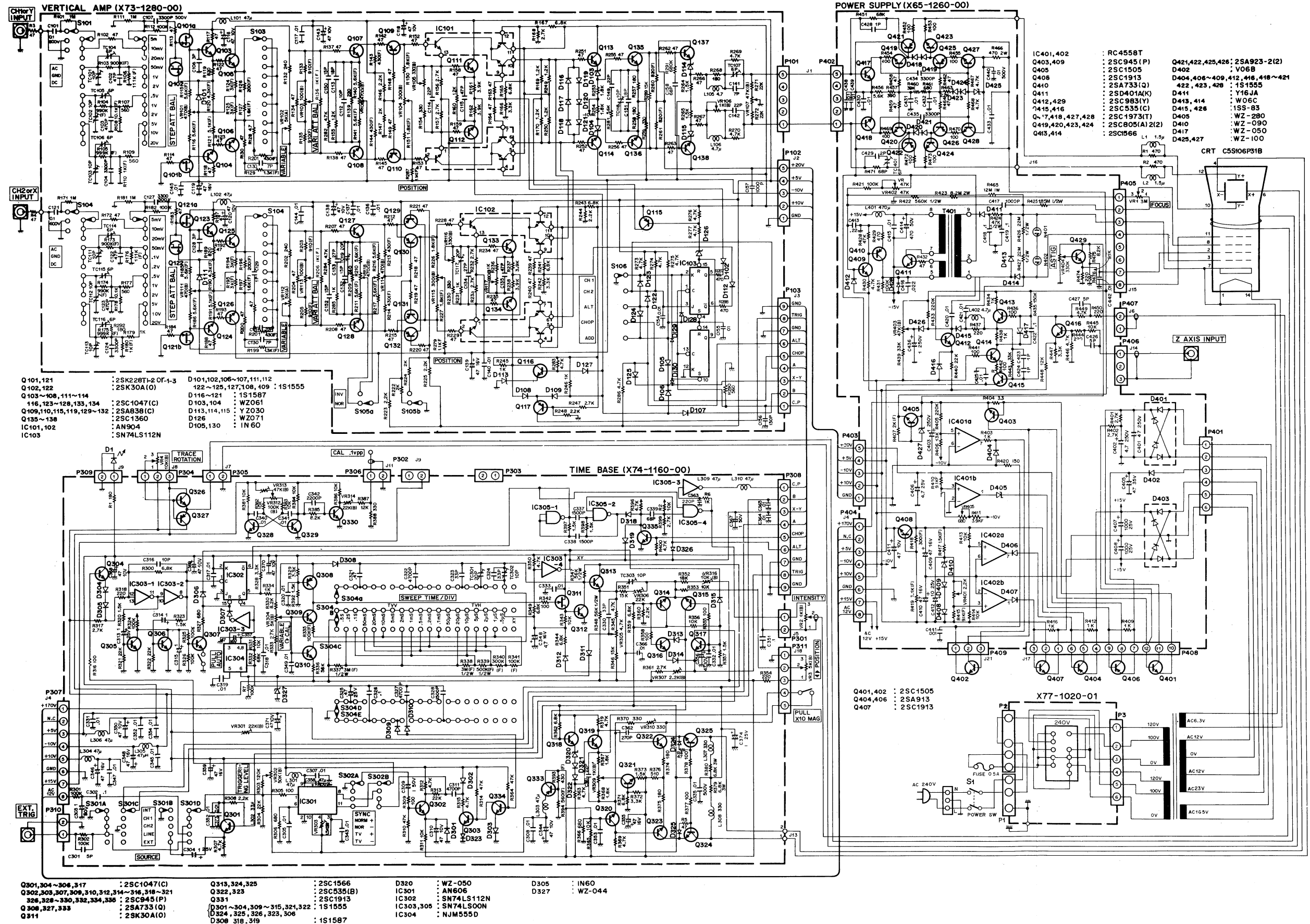


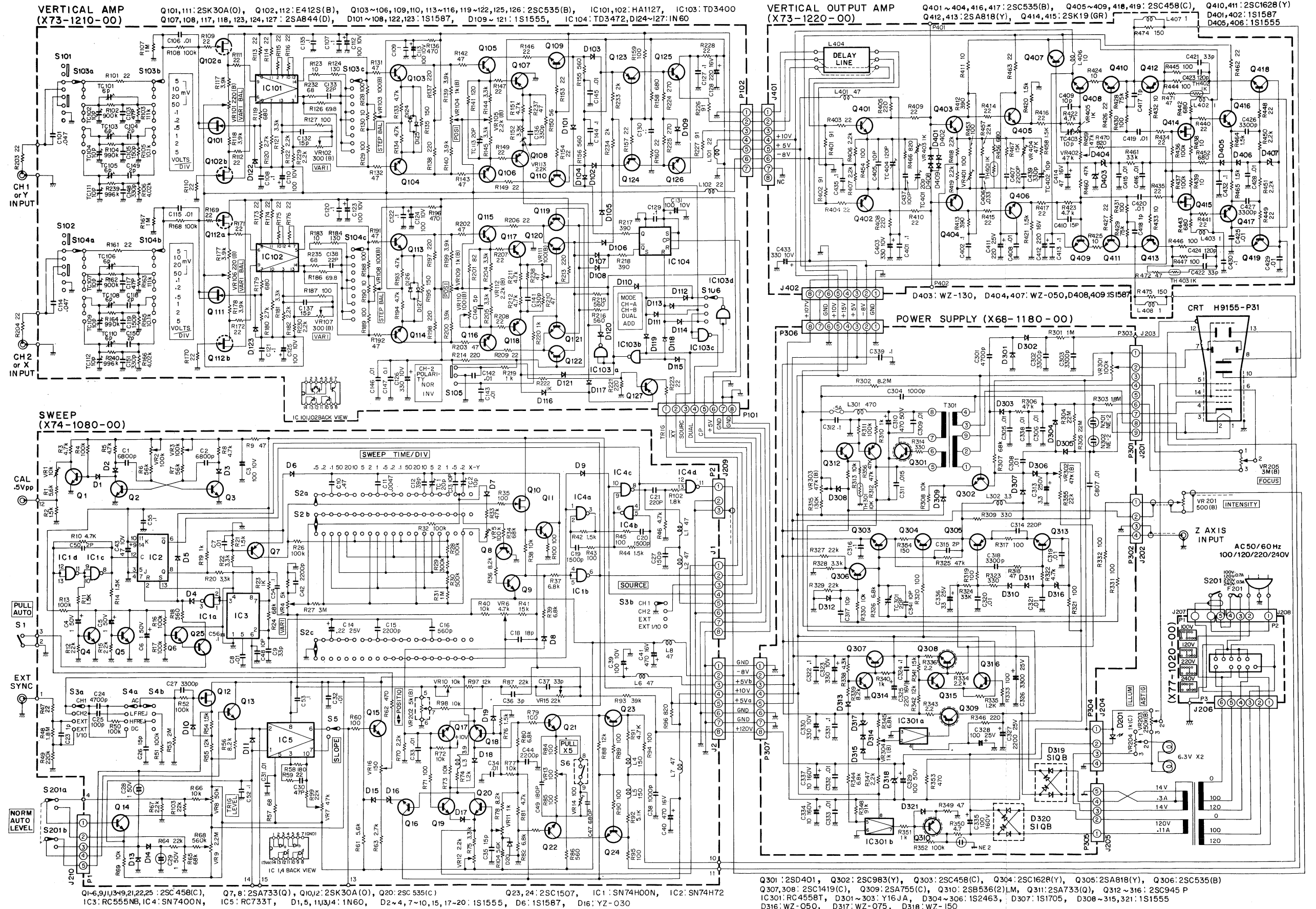


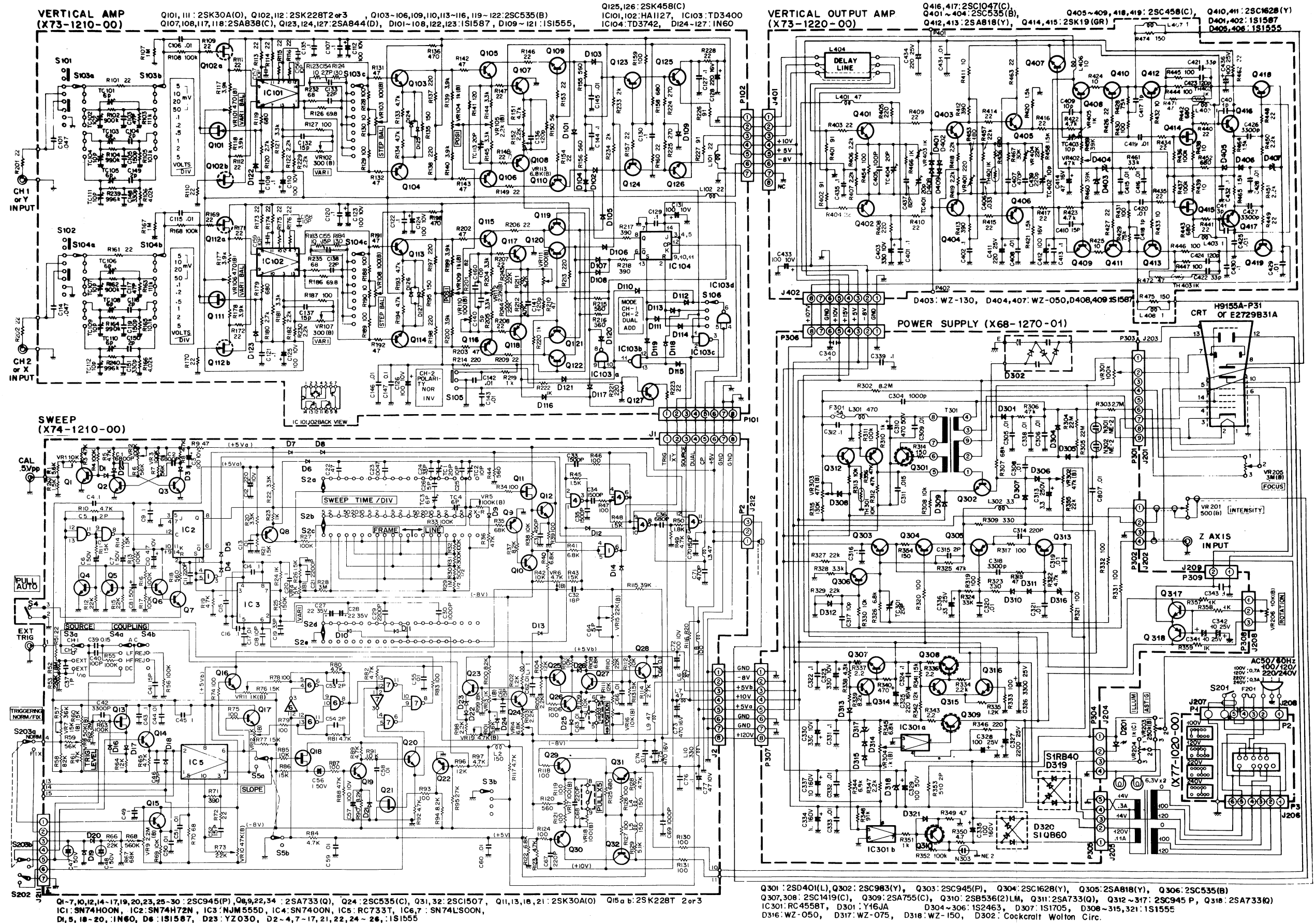




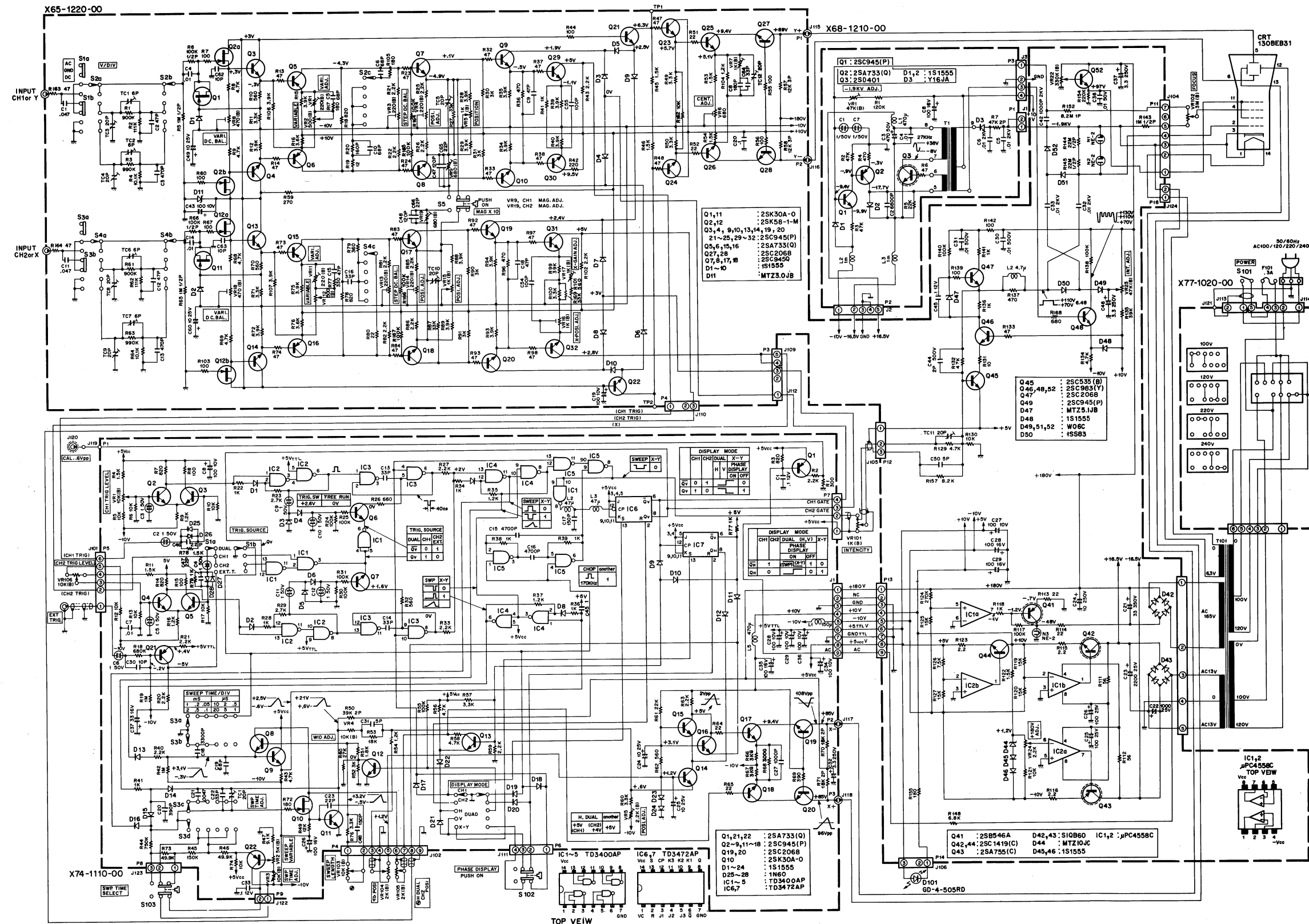






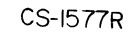


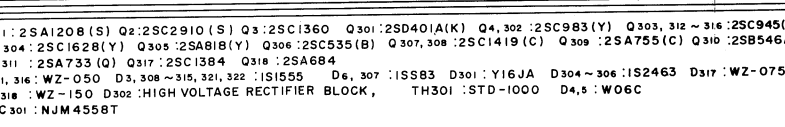




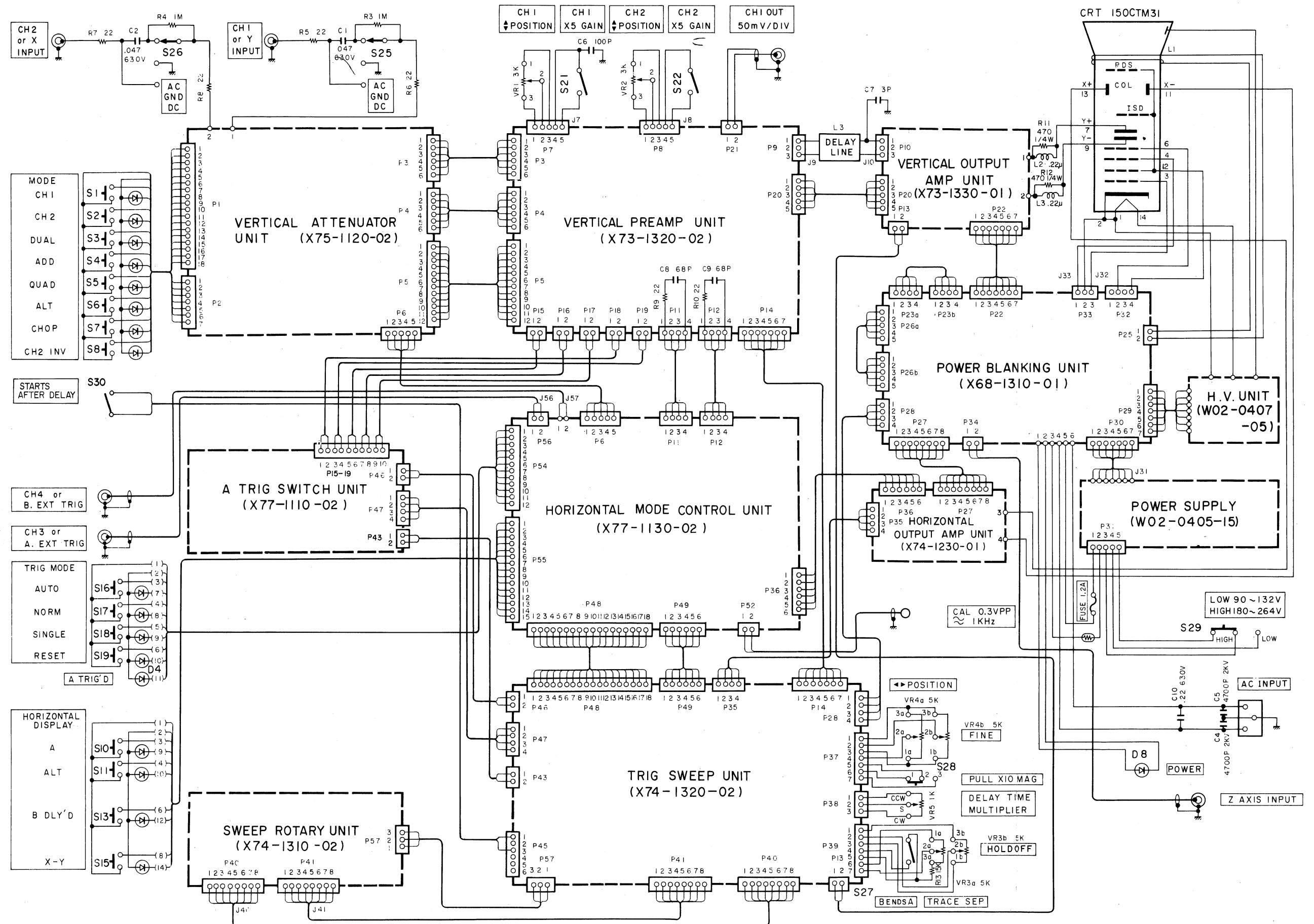






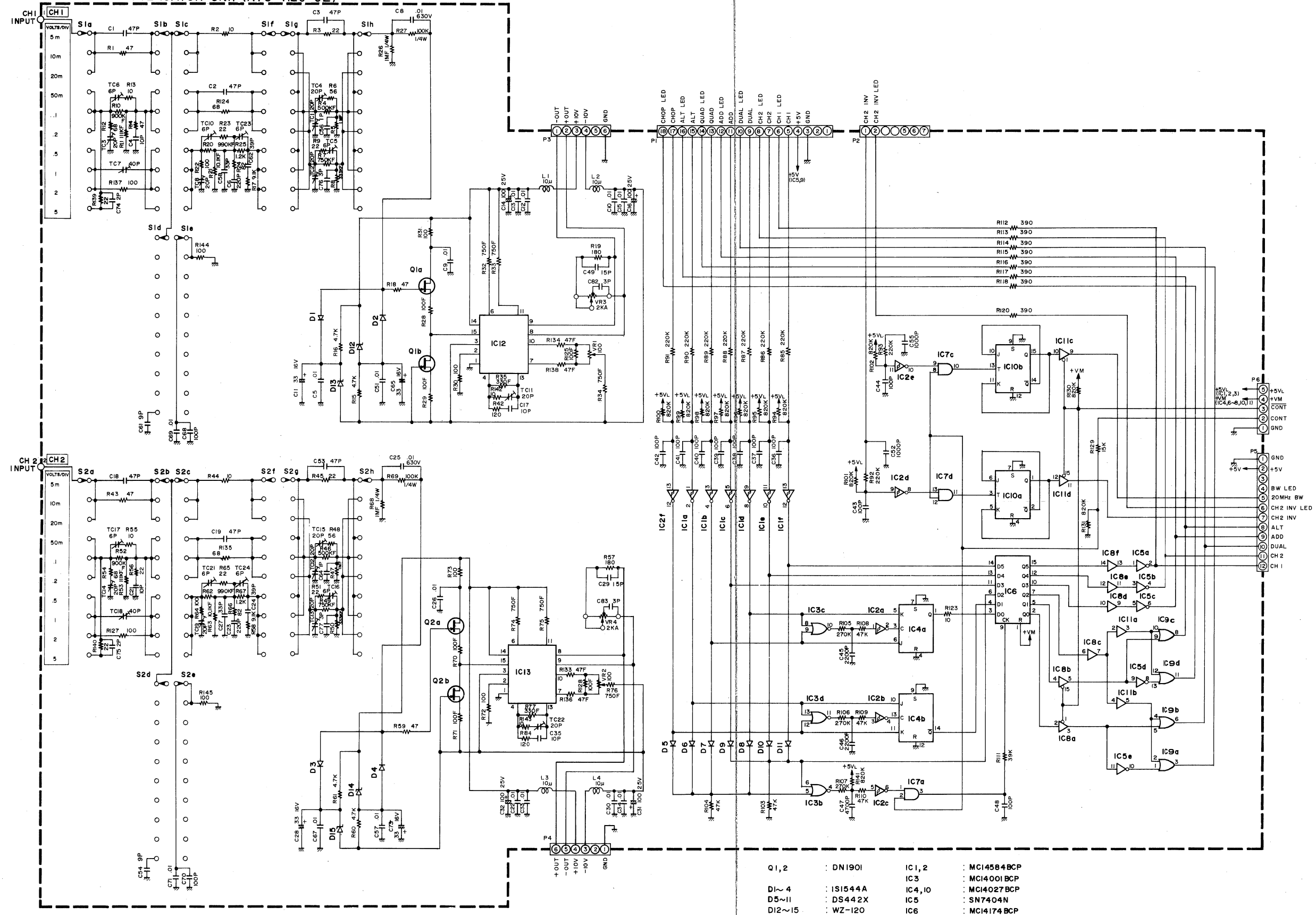






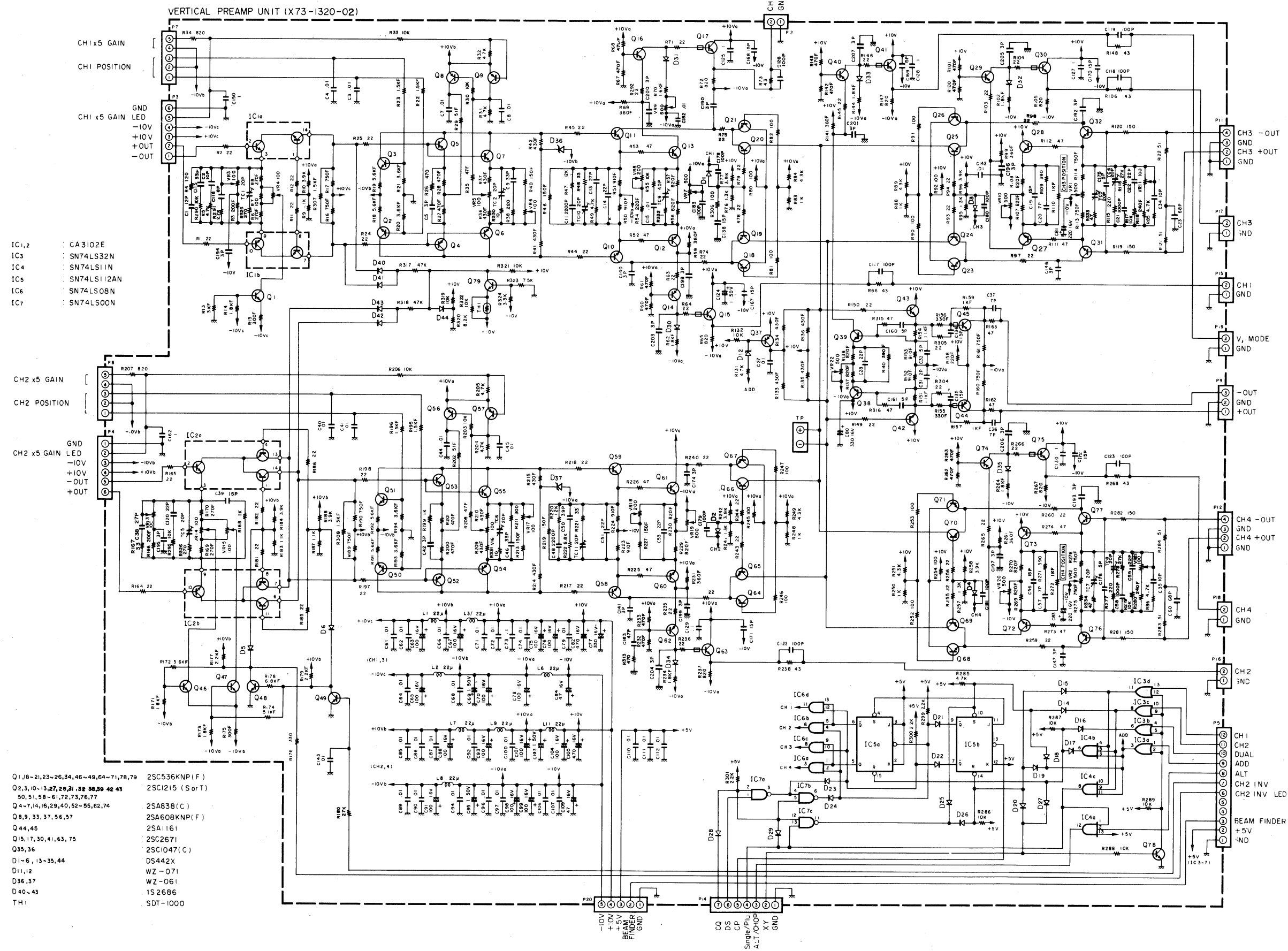
VERTICAL ATTENUATOR UNIT (X75-1120-02)

VERTICAL ATTENUATOR UNIT (X75-1120-02)

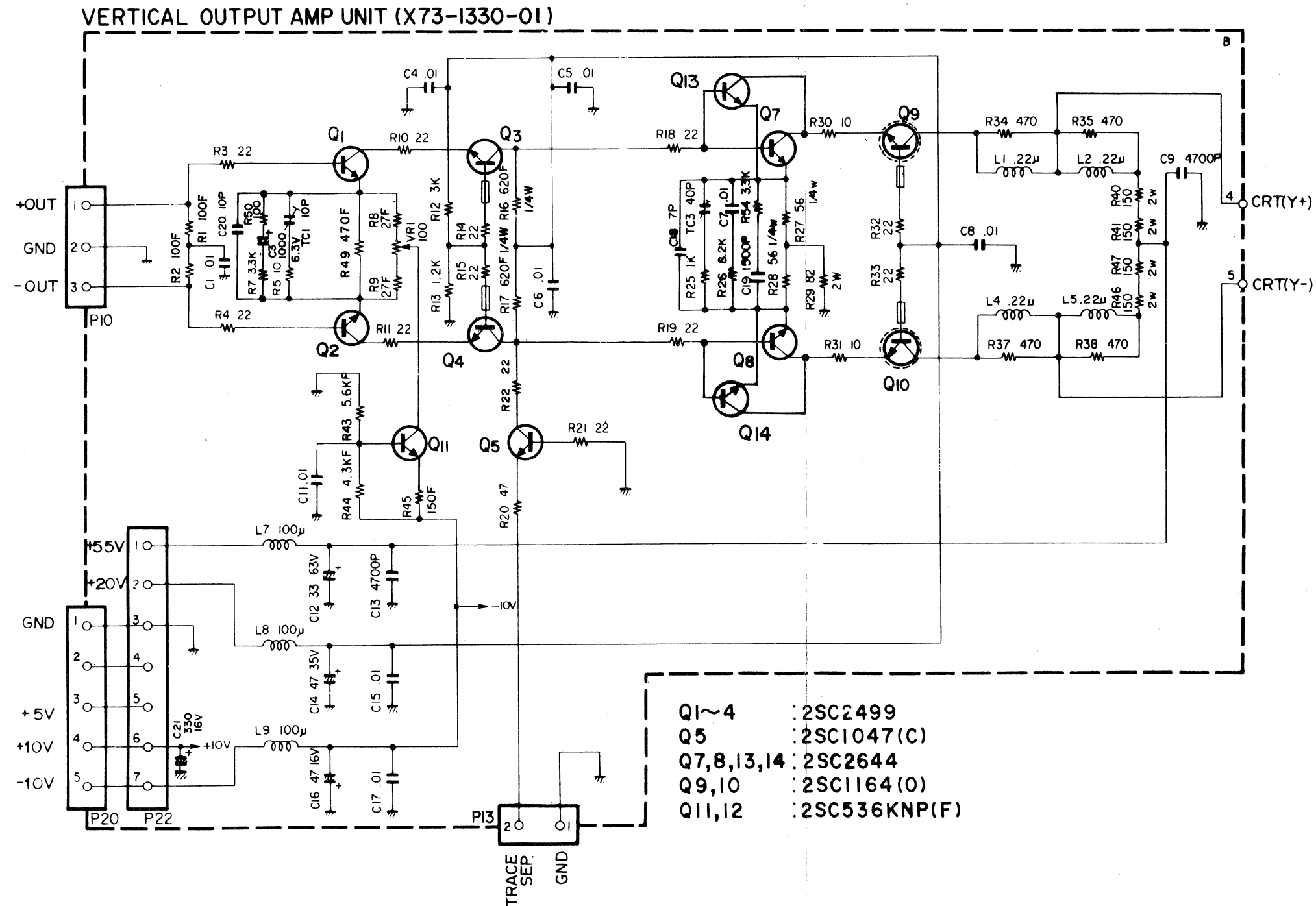


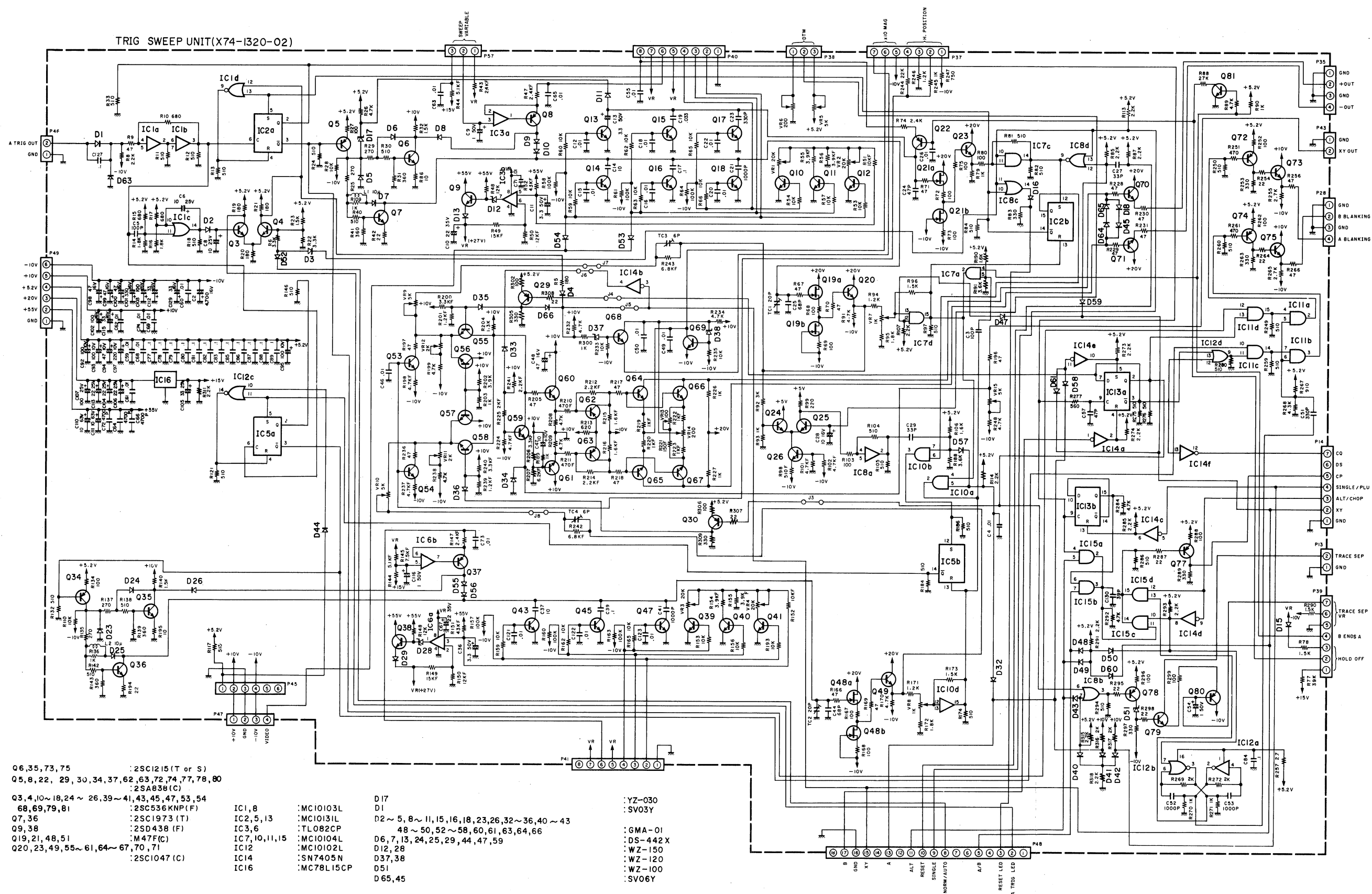
Q1,2	DN1901	IC1,2	MC14584BCP
		IC3	MC14001BCP
D1~4	IS1544A	IC4,10	MC14027BCP
D5~11	DS442X	IC5	SN7404N
D12~15	WZ-120	IC6	MC1474BCP
		IC7	MC14081BCP
		IC8,11	MC14503BCP
		IC9	SN7432N
		IC12,13	ATM-4020

VERTICAL PREAMP UNIT (X73-1320-02)



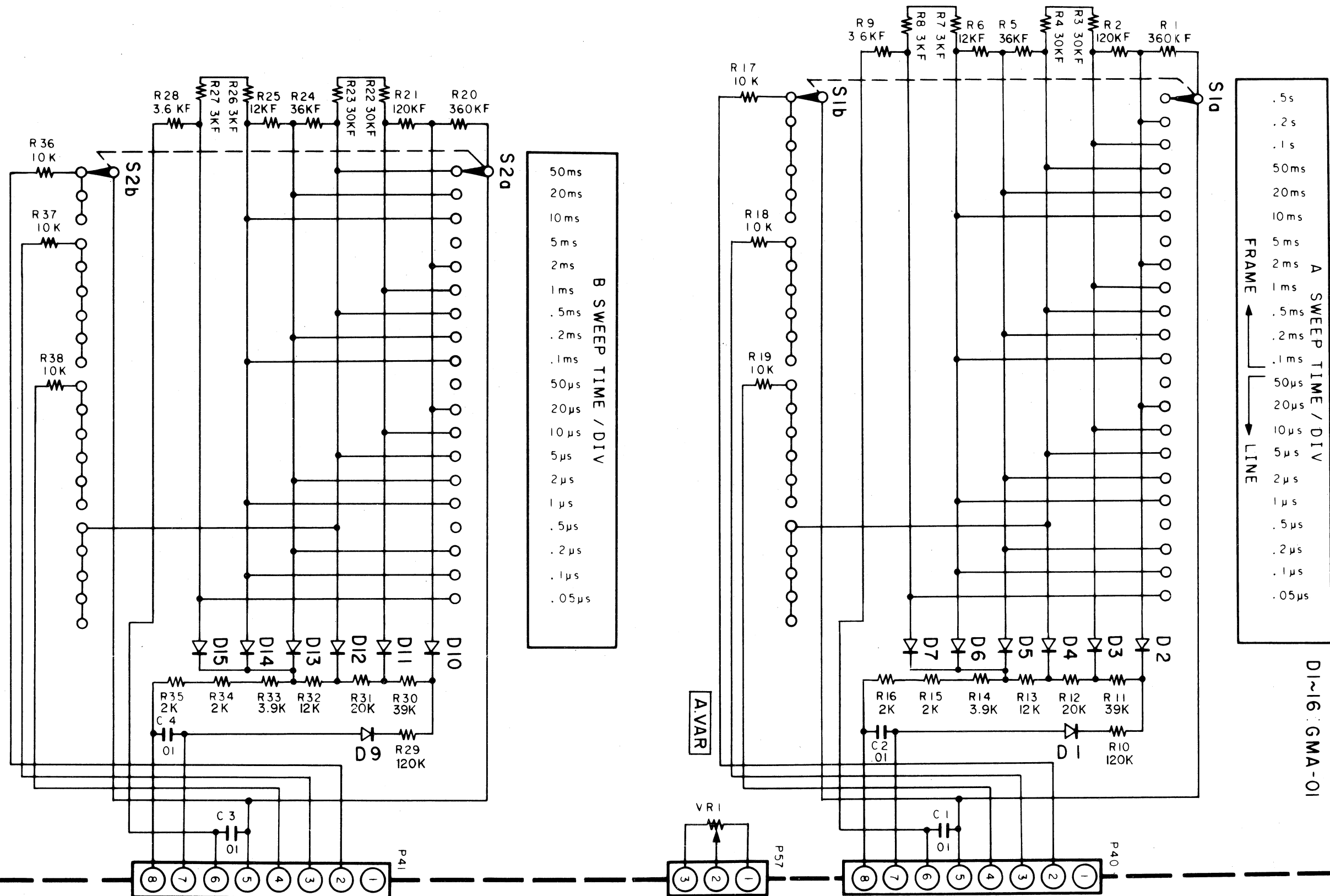
VERTICAL OUTPUT AMP UNIT (X73-1330-01)





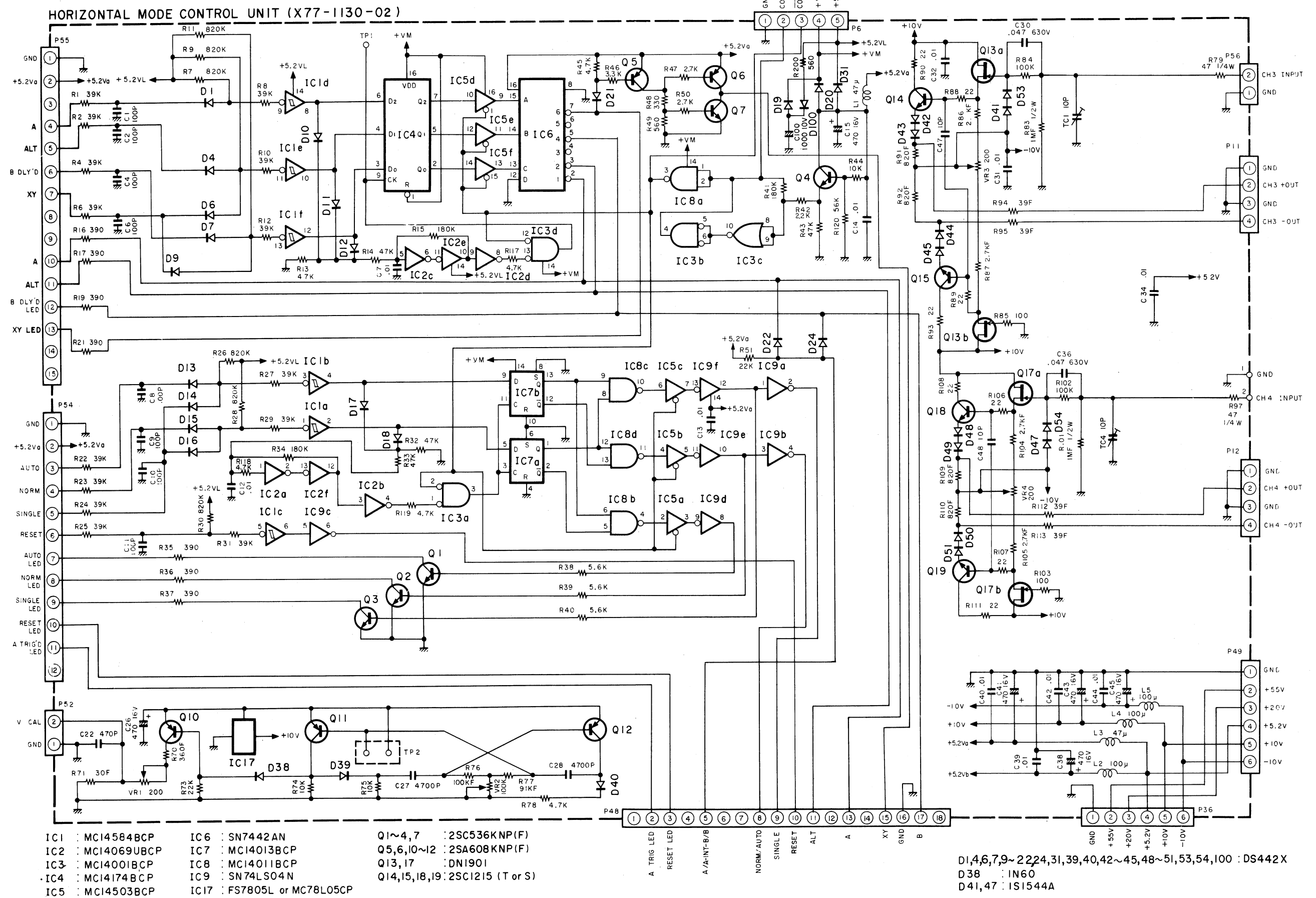
SWEEP ROTARY UNIT (X74-1310-02)

SWEEP ROTARY UNIT (X74-1310-02)

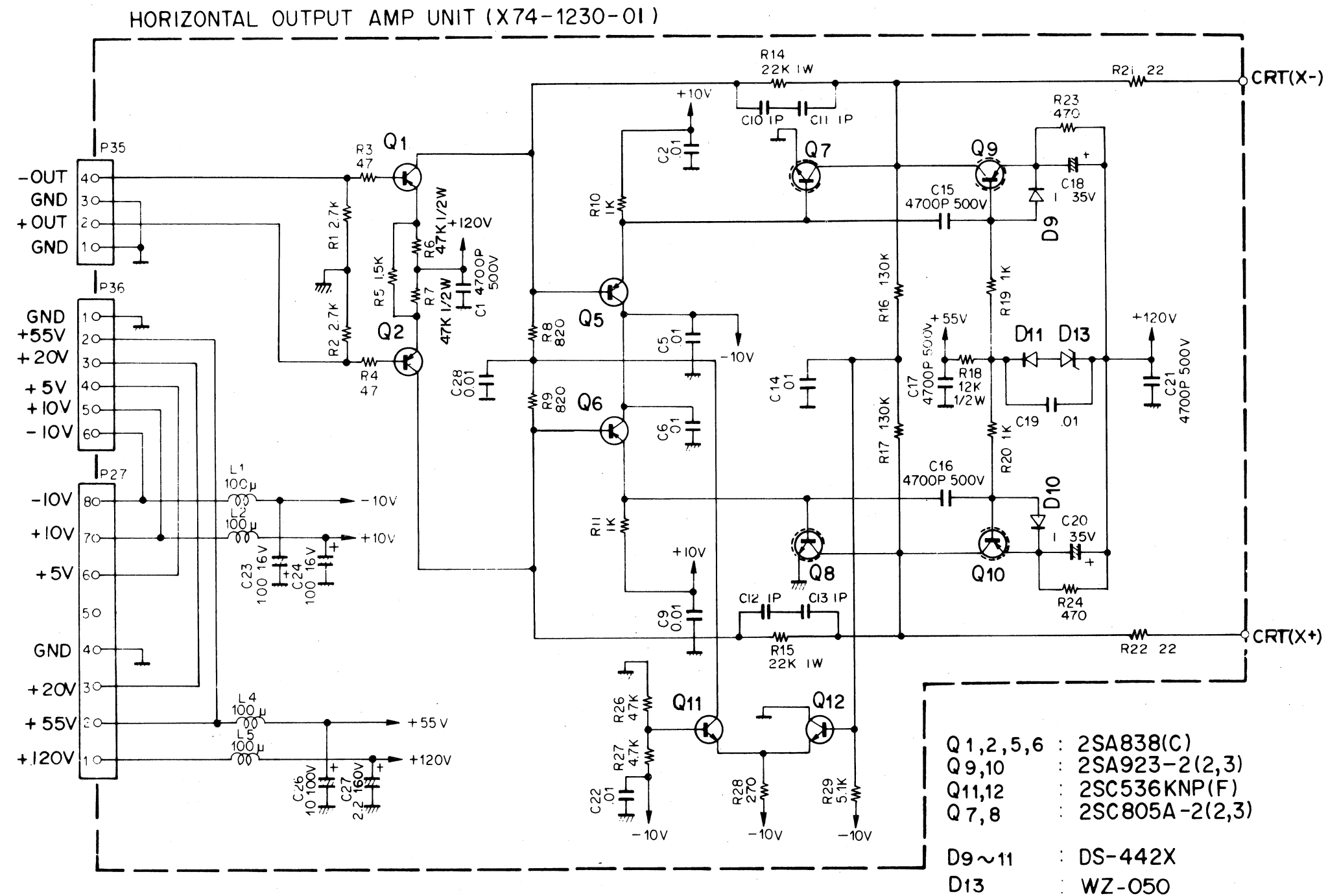


D1~16 GMA-01

HORIZONTAL MODE CONTROL UNIT (X77-1130-02)

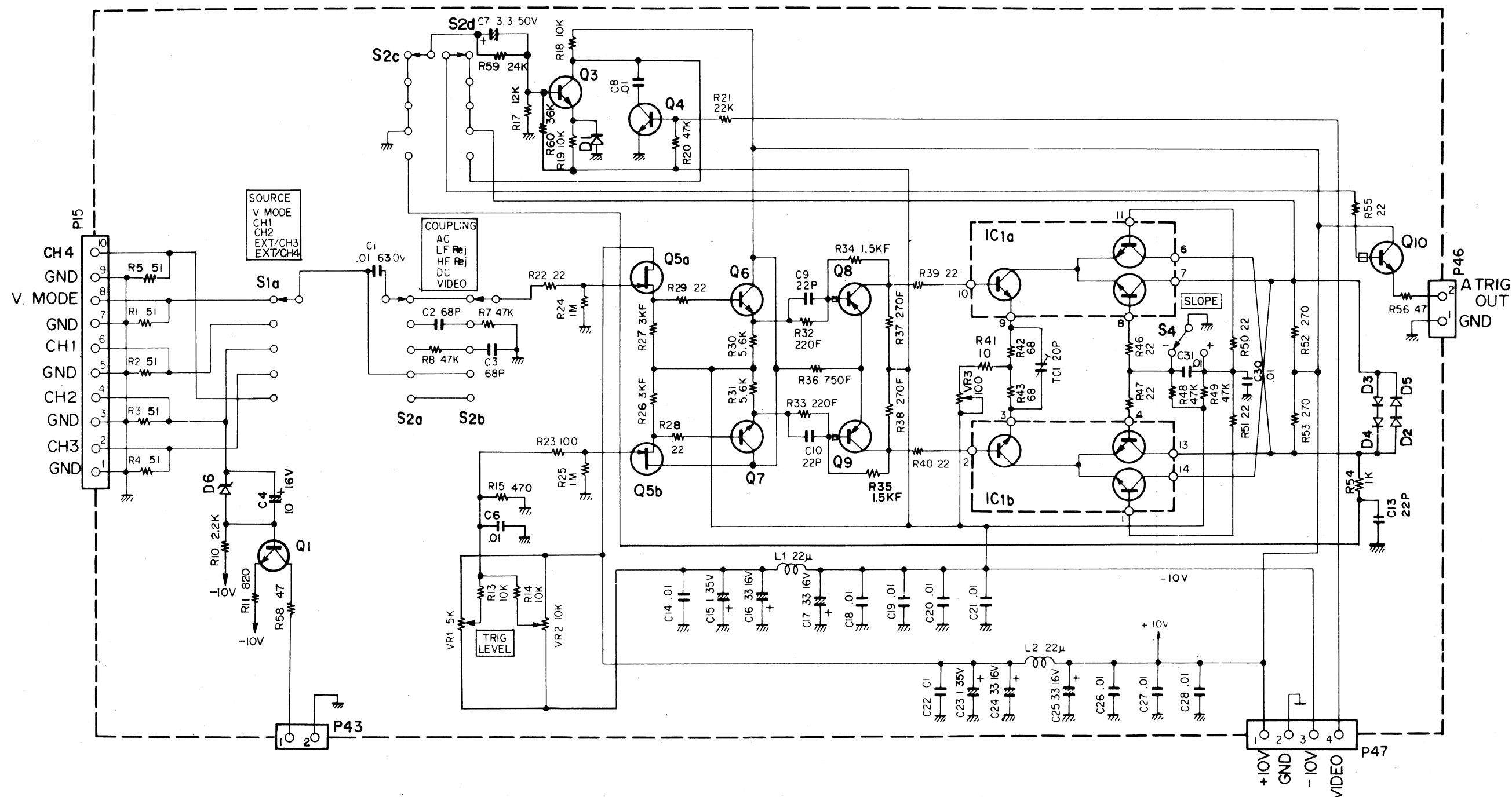


HORIZONTAL OUTPUT AMP UNIT (X74-1230-01)



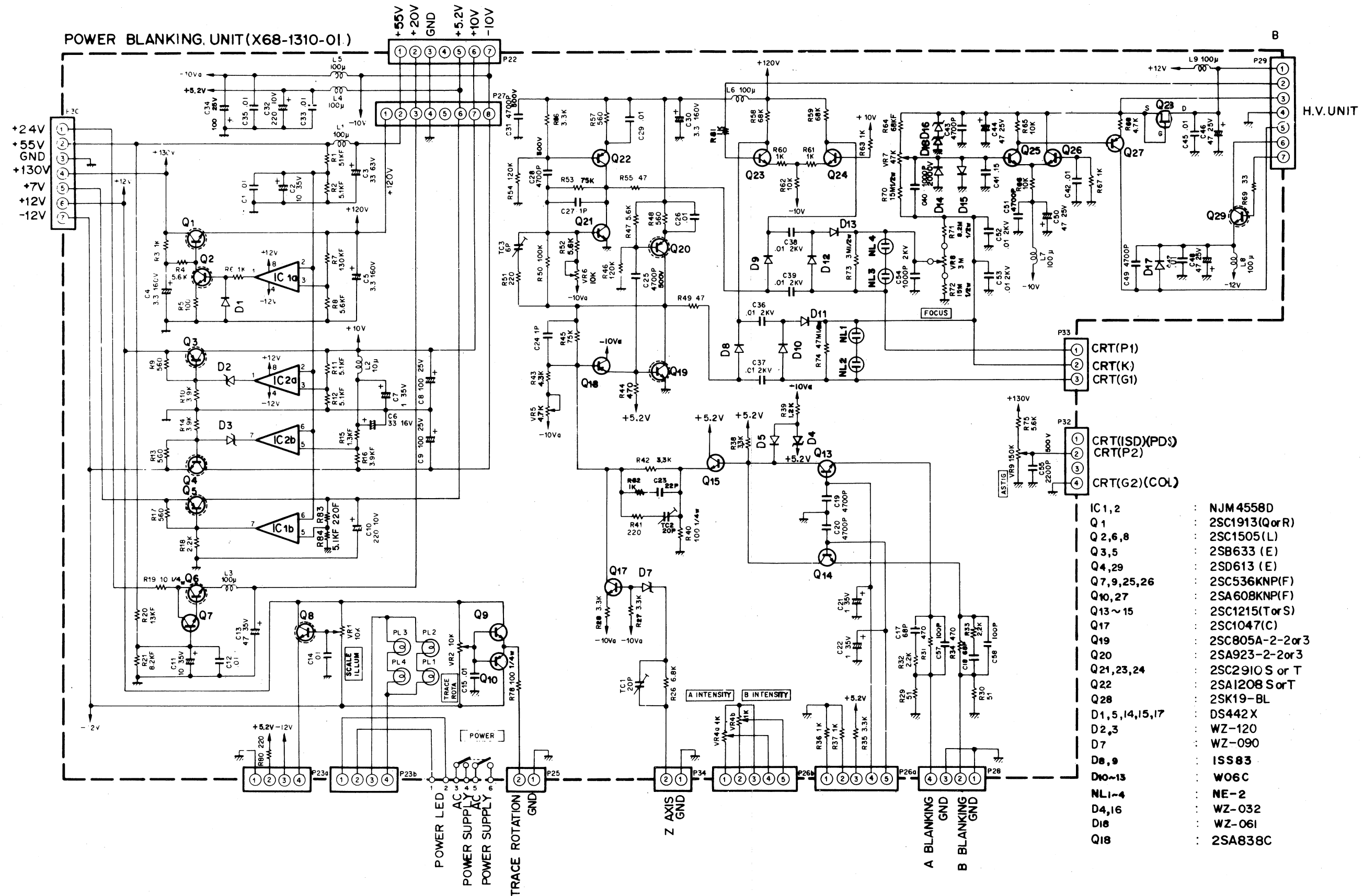
A TRIG SWITCH UNIT (X77-1110-02)

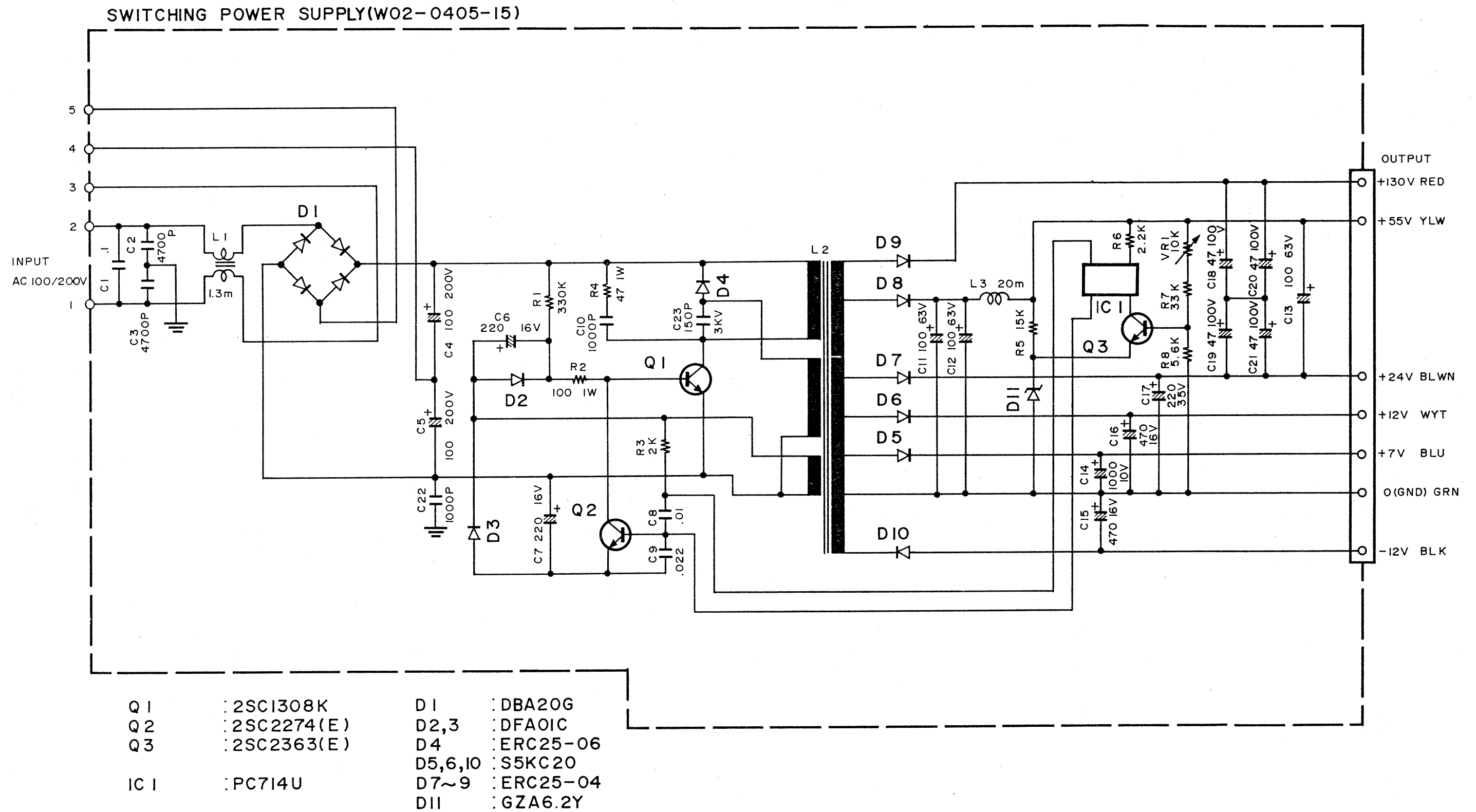
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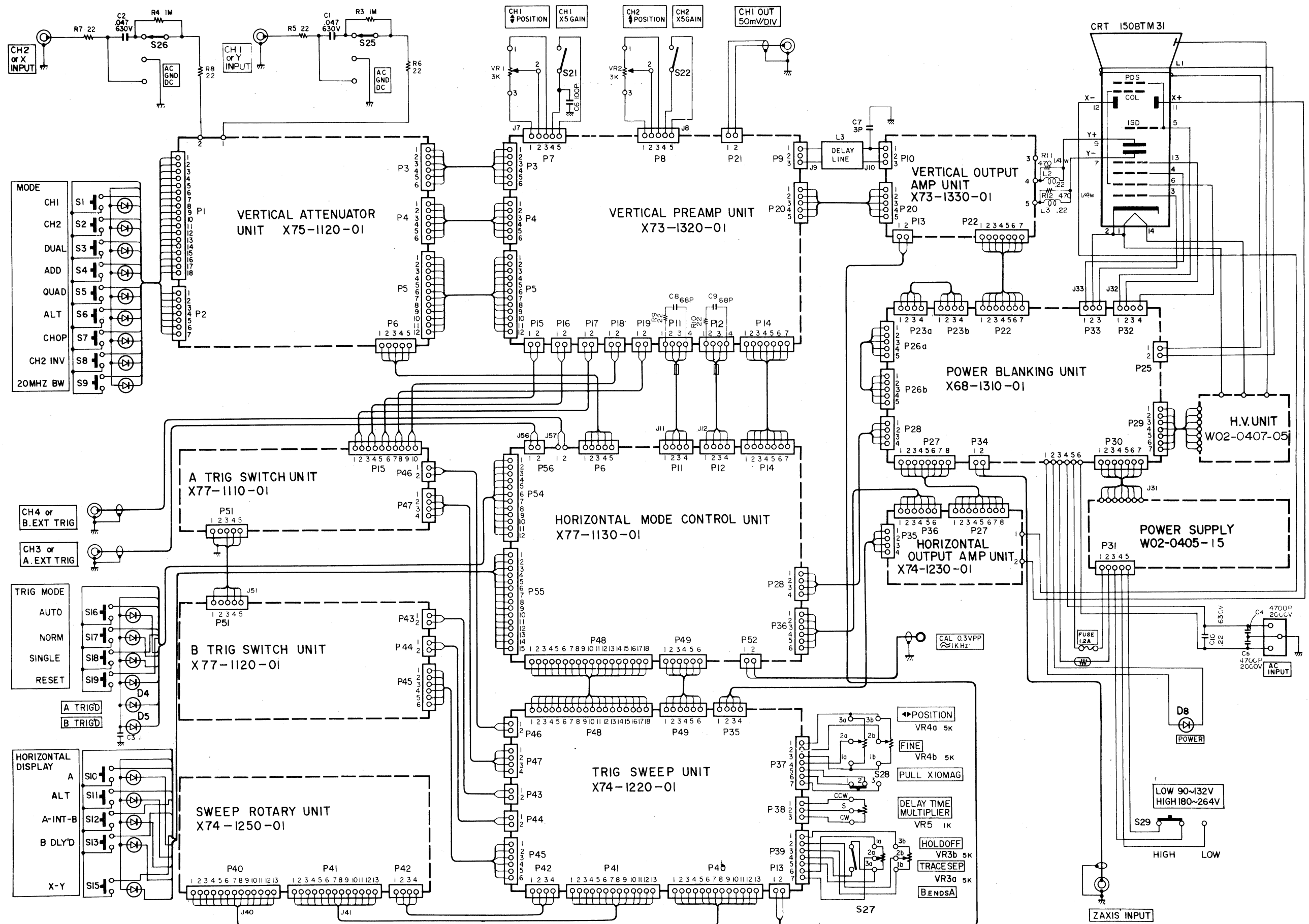


- IC1 :CA3102E
- Q3,4 :2SC536KNP(F)
- Q5 :DN190I
- Q6,7 :2SC1215(T or S)
- Q8,9 :2SA116I
- Q10 :2SC267I
- D1~5:DS442X
- D6 :WZ-08I

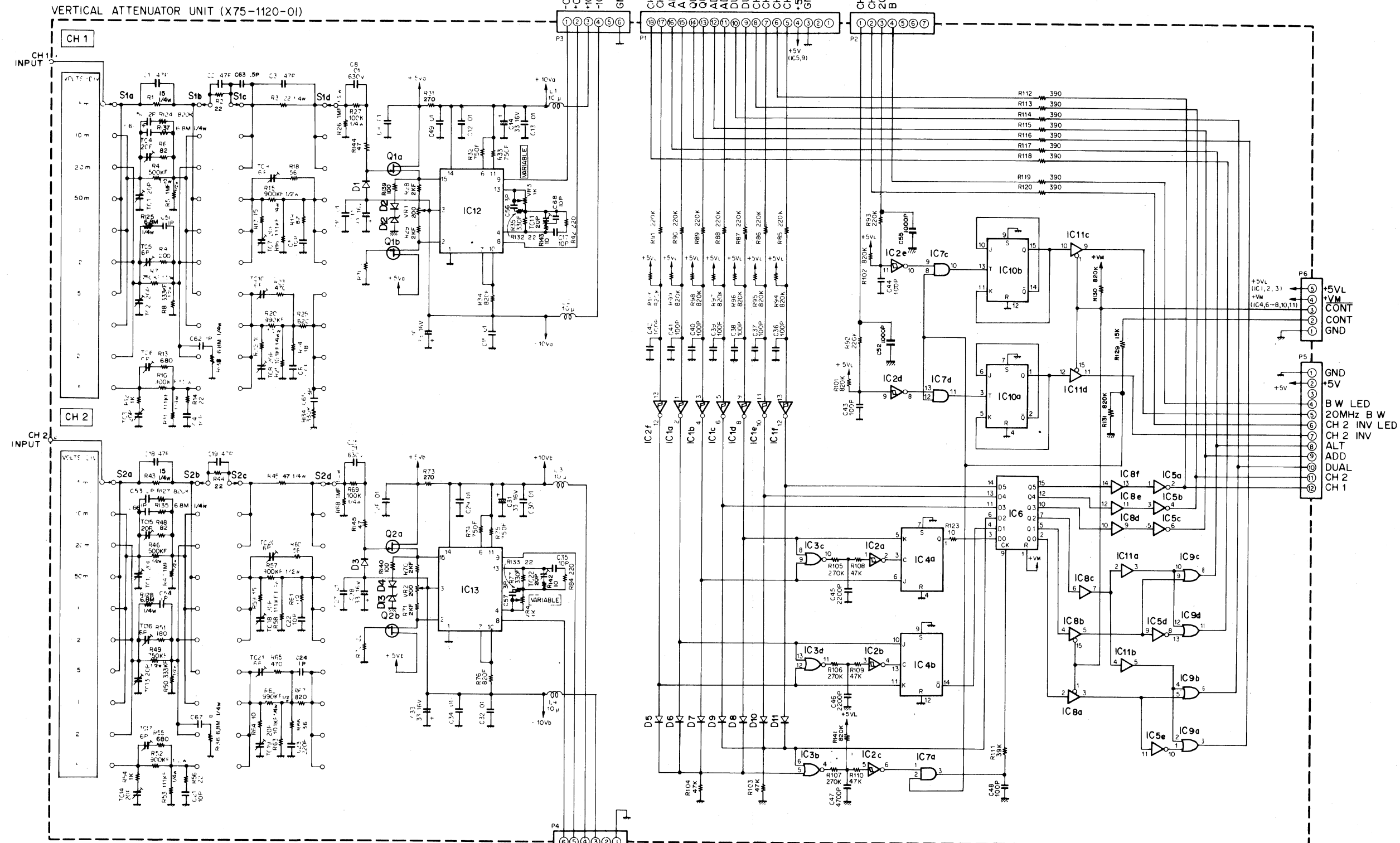
POWER BLANKING UNIT (X68-1310-01)







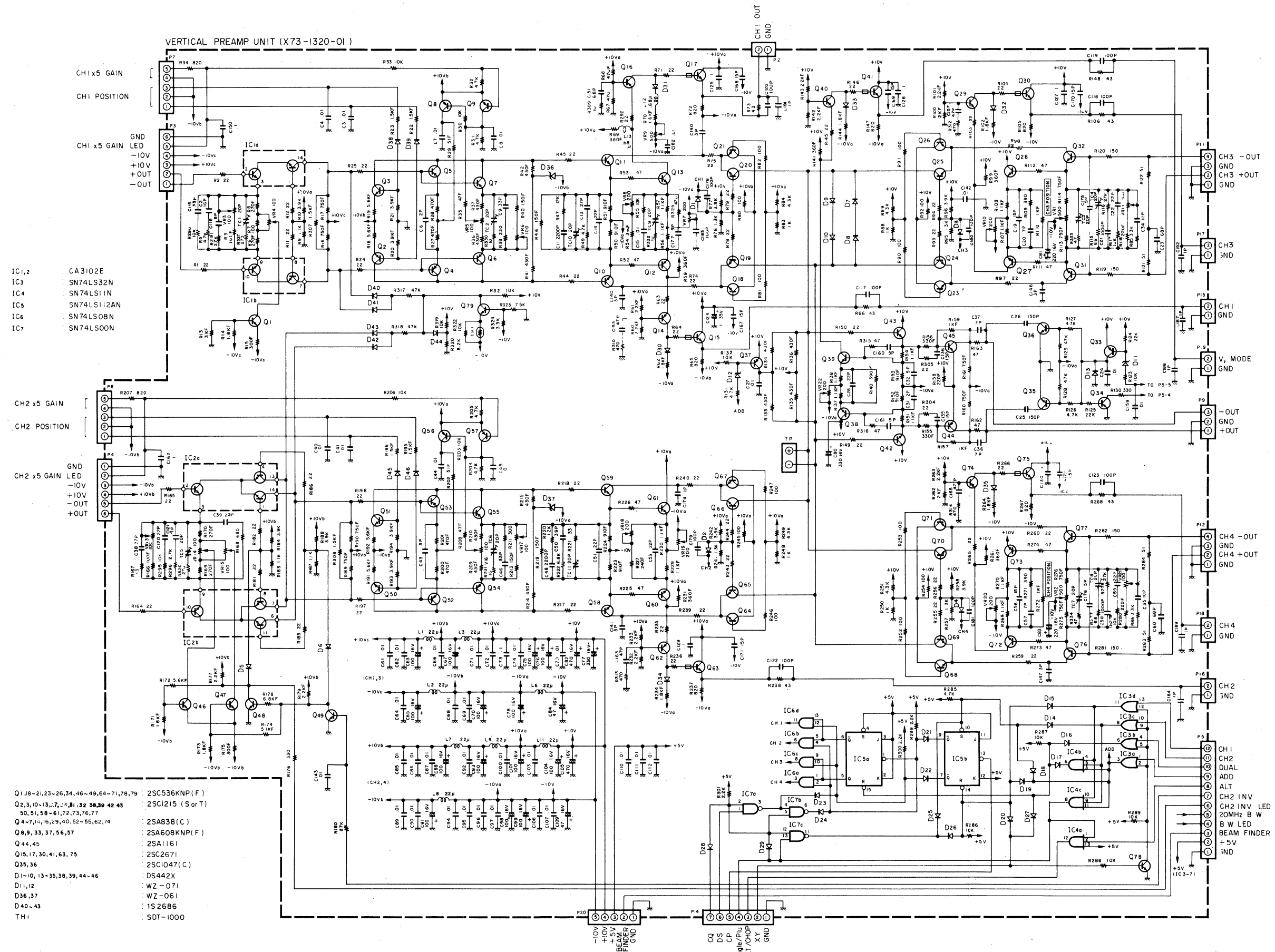
VERTICAL ATTENUATOR UNIT (X75-1120-01)



Q1,2 : DNI90I or U440
D1,3 : 1S1544A
D5~11,2,4 : DS442X
D12,13 : YZ-030
IC1,2 : MC14584BPC
IC3 : MC14001BPC

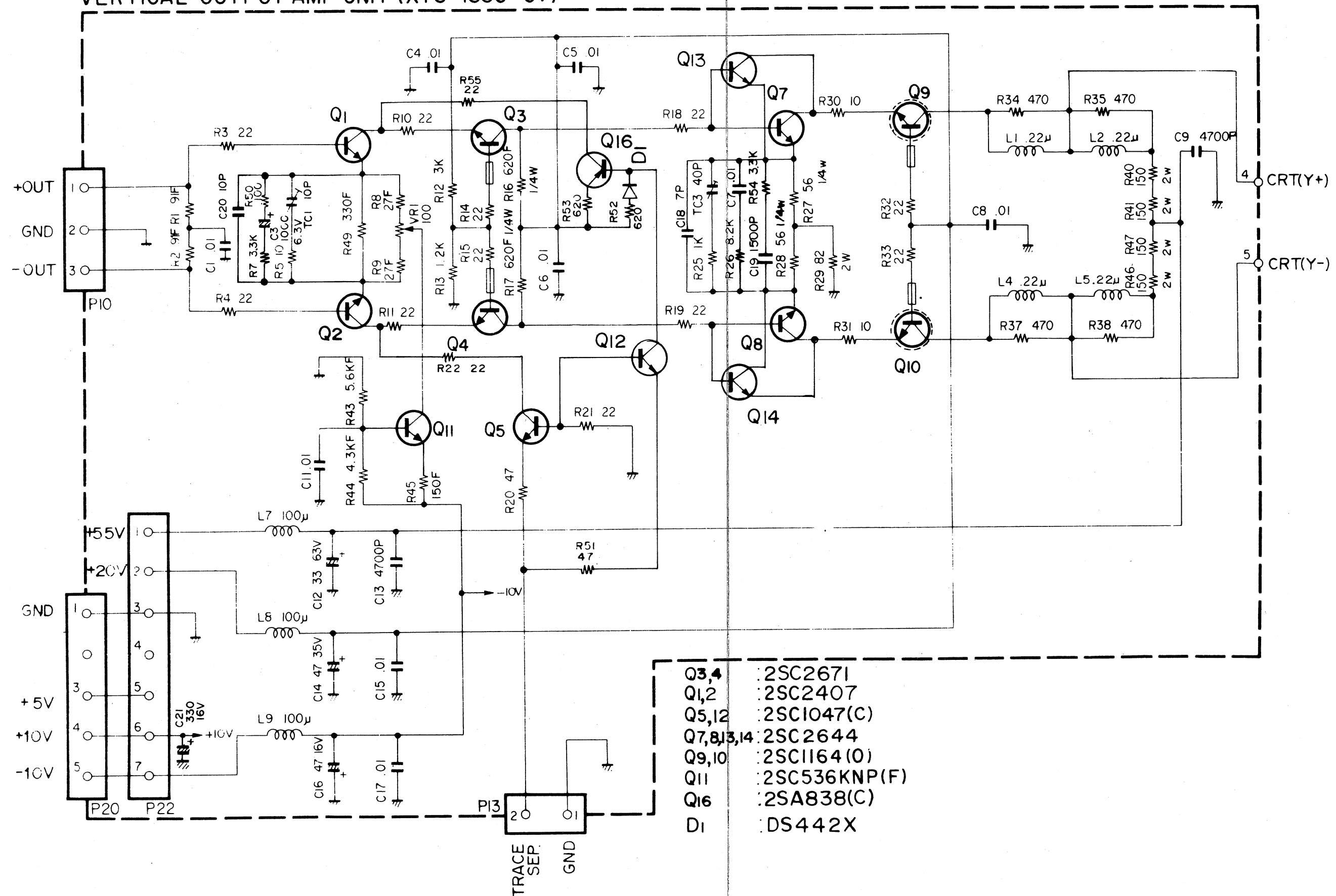
IC4,10 : MC14027BPC
IC5 : SN7404N
IC6 : MC14174BPC
IC7 : MC14081BPC
IC8,11 : MC14503BPC
IC9 : SN7432N
IC12,13 : ATM-4010

VERTICAL PREAMP UNIT (X73-1320-01)

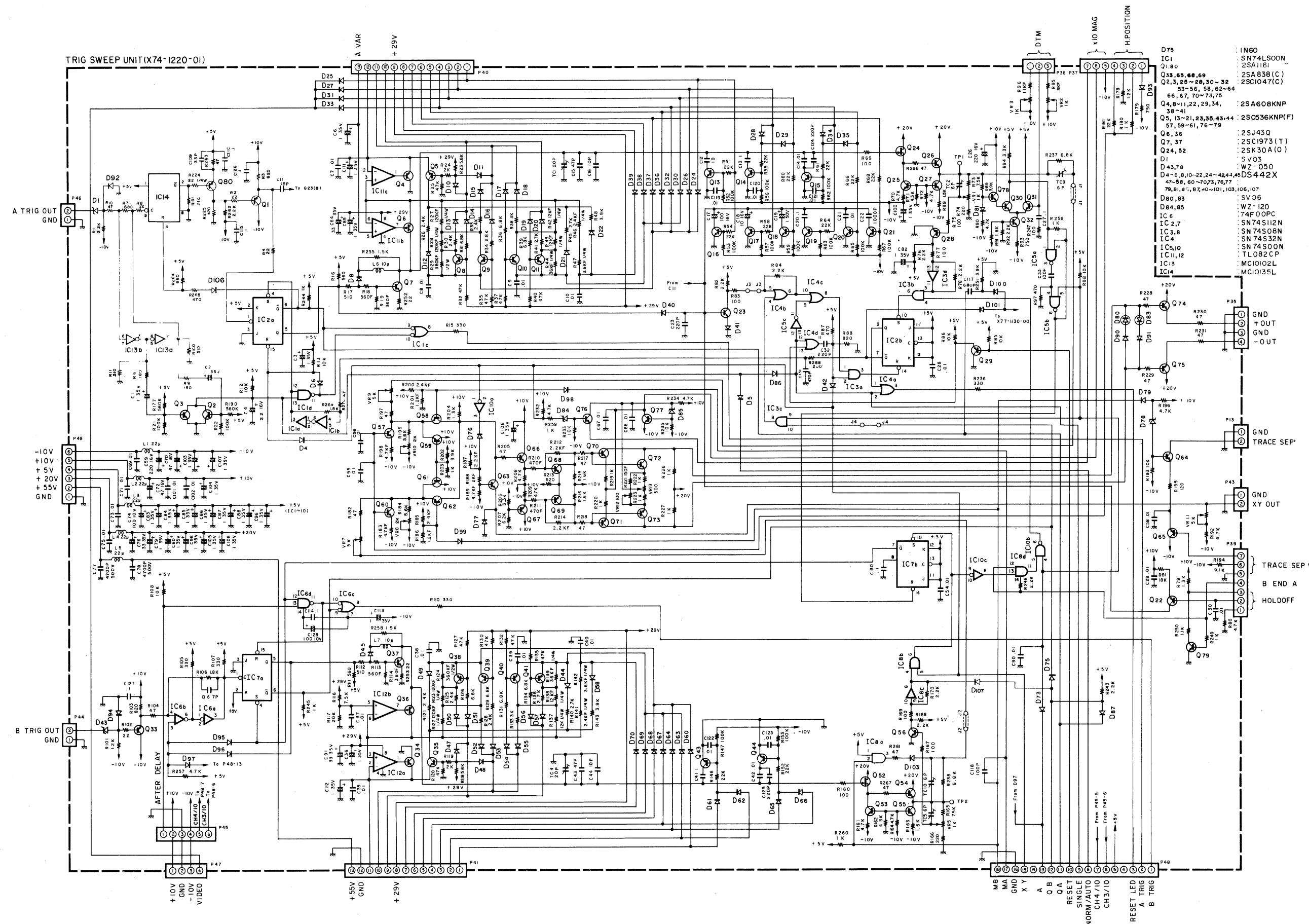


VERTICAL OUTPUT AMP UNIT (X73-1330-01)

VERTICAL OUTPUT AMP UNIT (X73-1330-01)

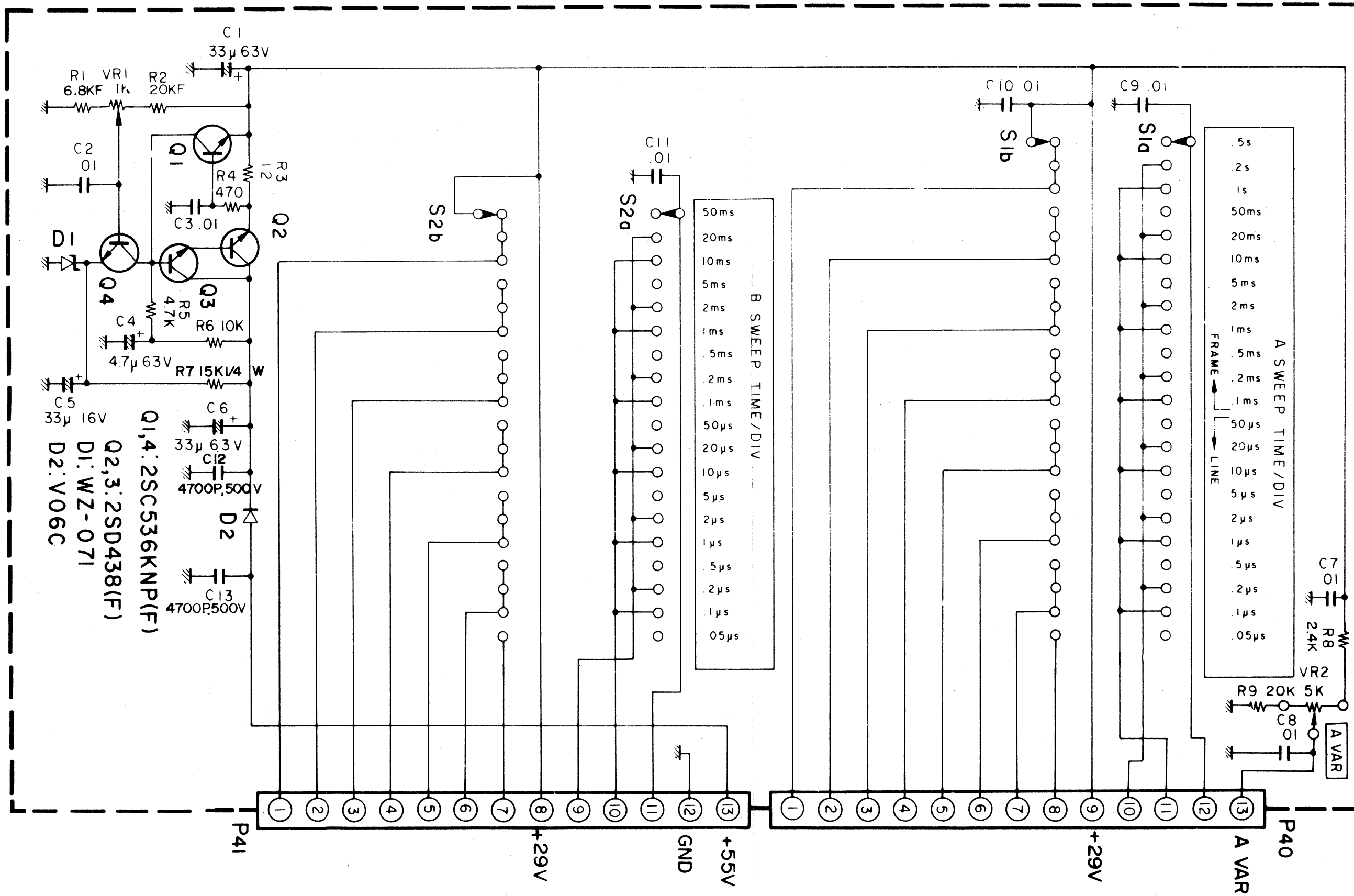


TRIG SWEEP UNIT (X74-1220-01)

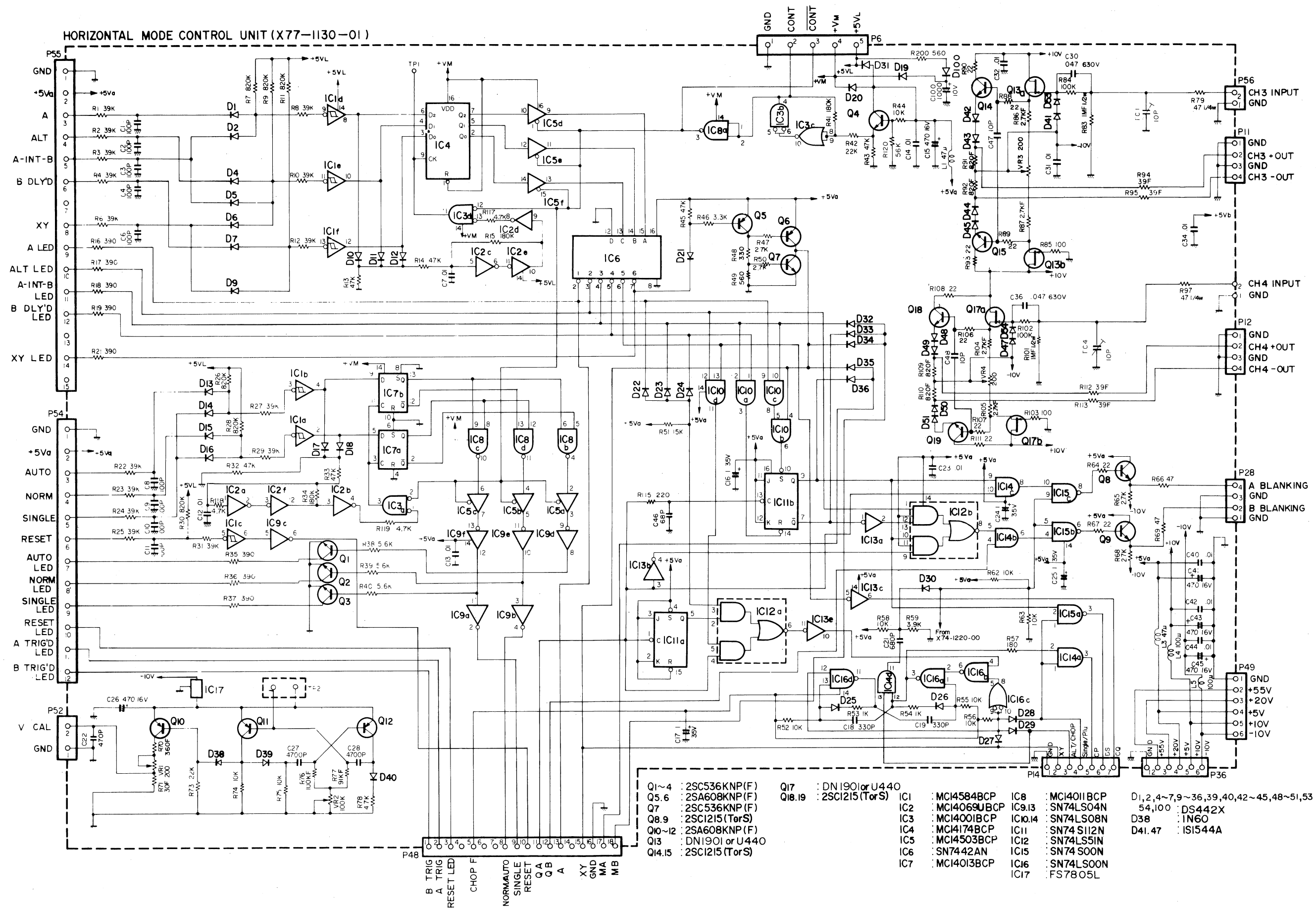


SWEEP ROTARY UNIT (X74-1250-01)

SWEEP ROTARY UNIT (X74-1250-01)

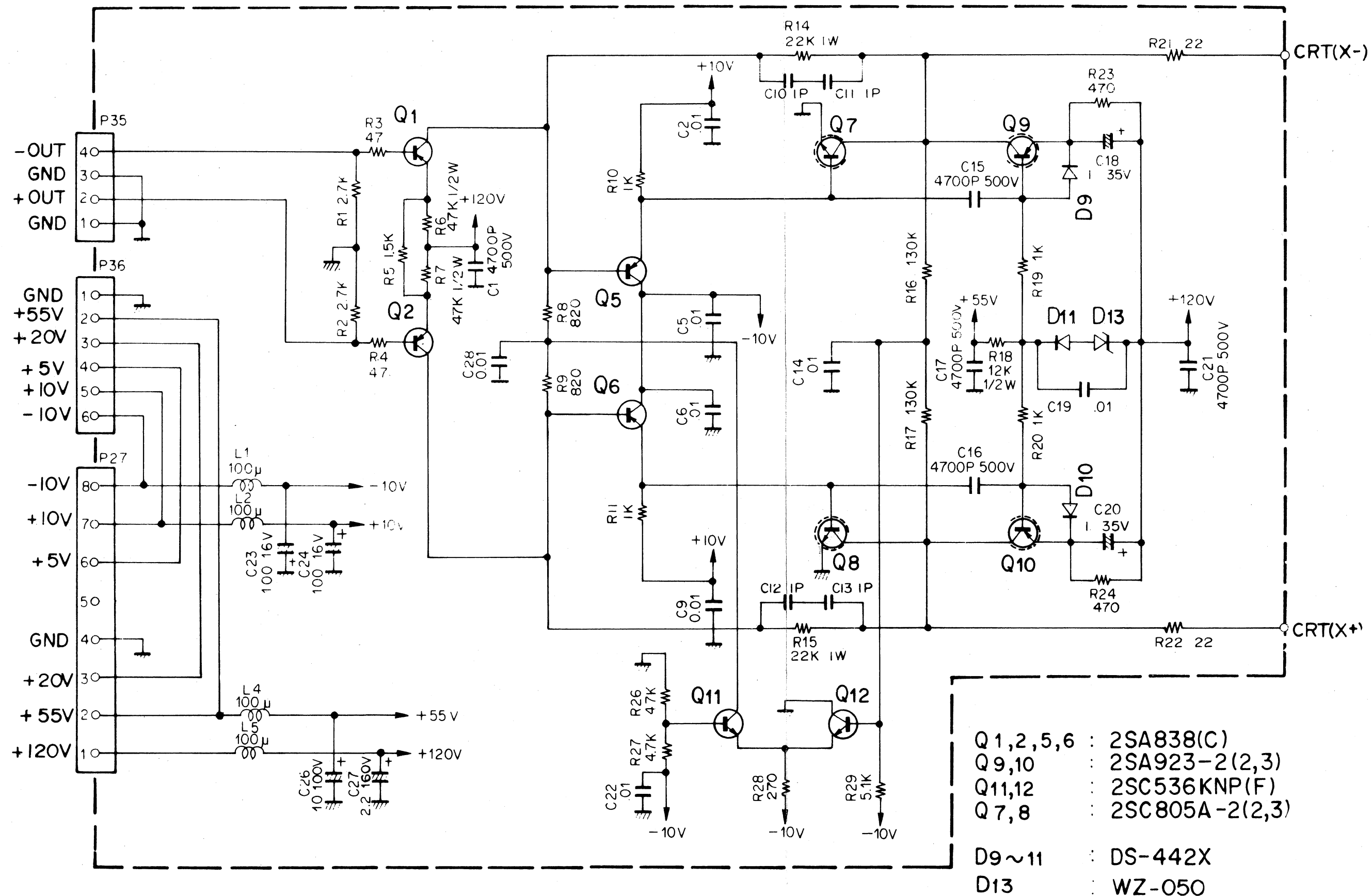


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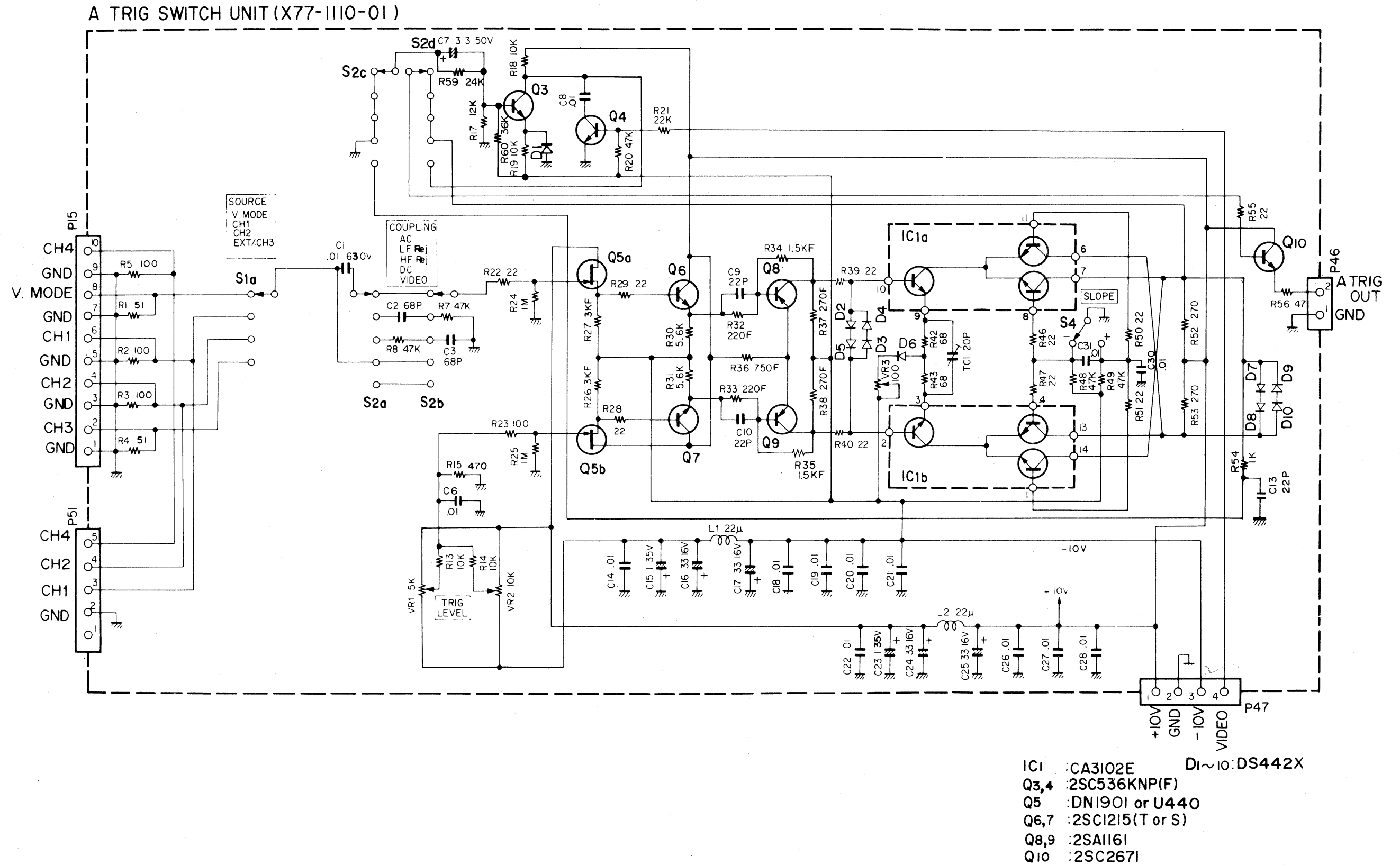


HORIZONTAL OUTPUT AMP UNIT (X74-1230-01)

HORIZONTAL OUTPUT AMP UNIT (X74-1230-01)

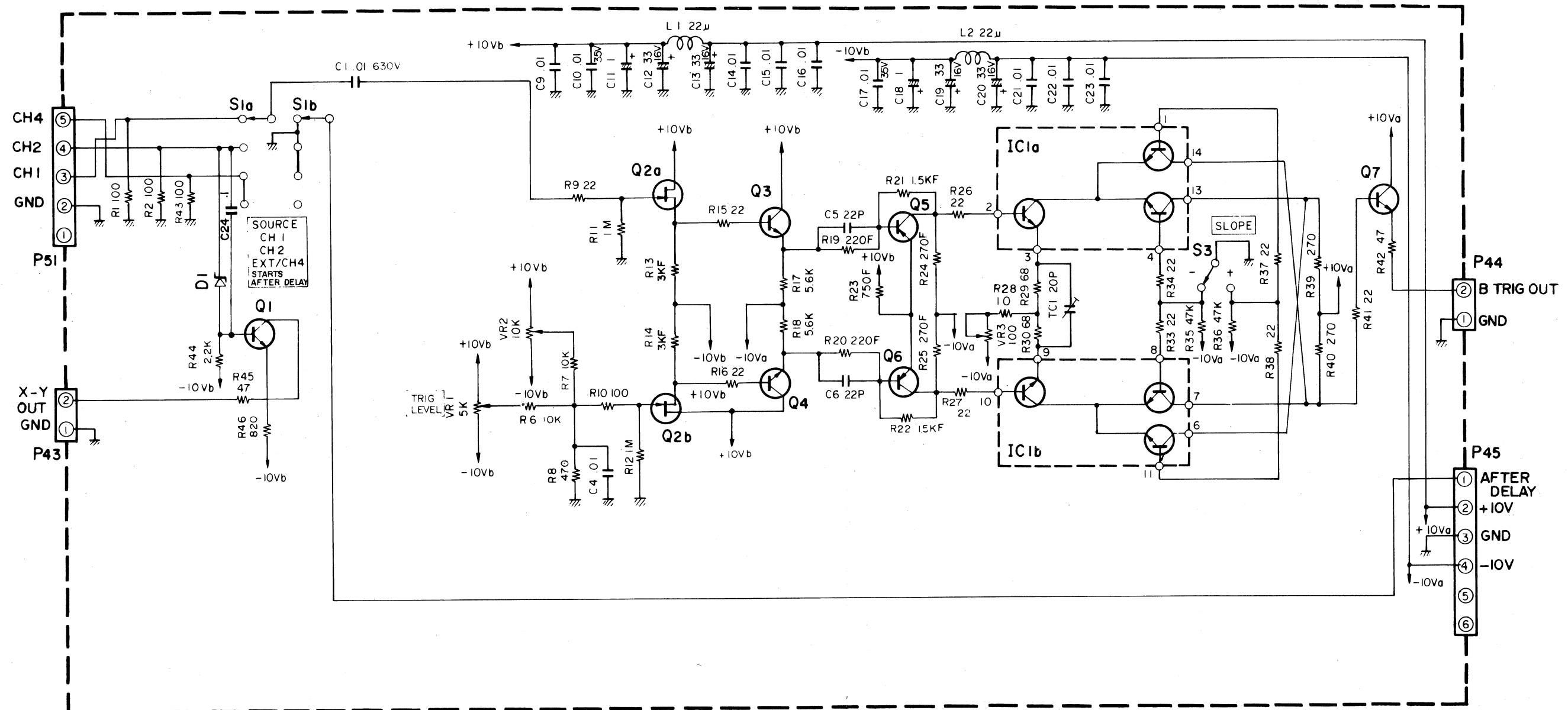


A TRIG SWITCH UNIT (X77-1110-01)



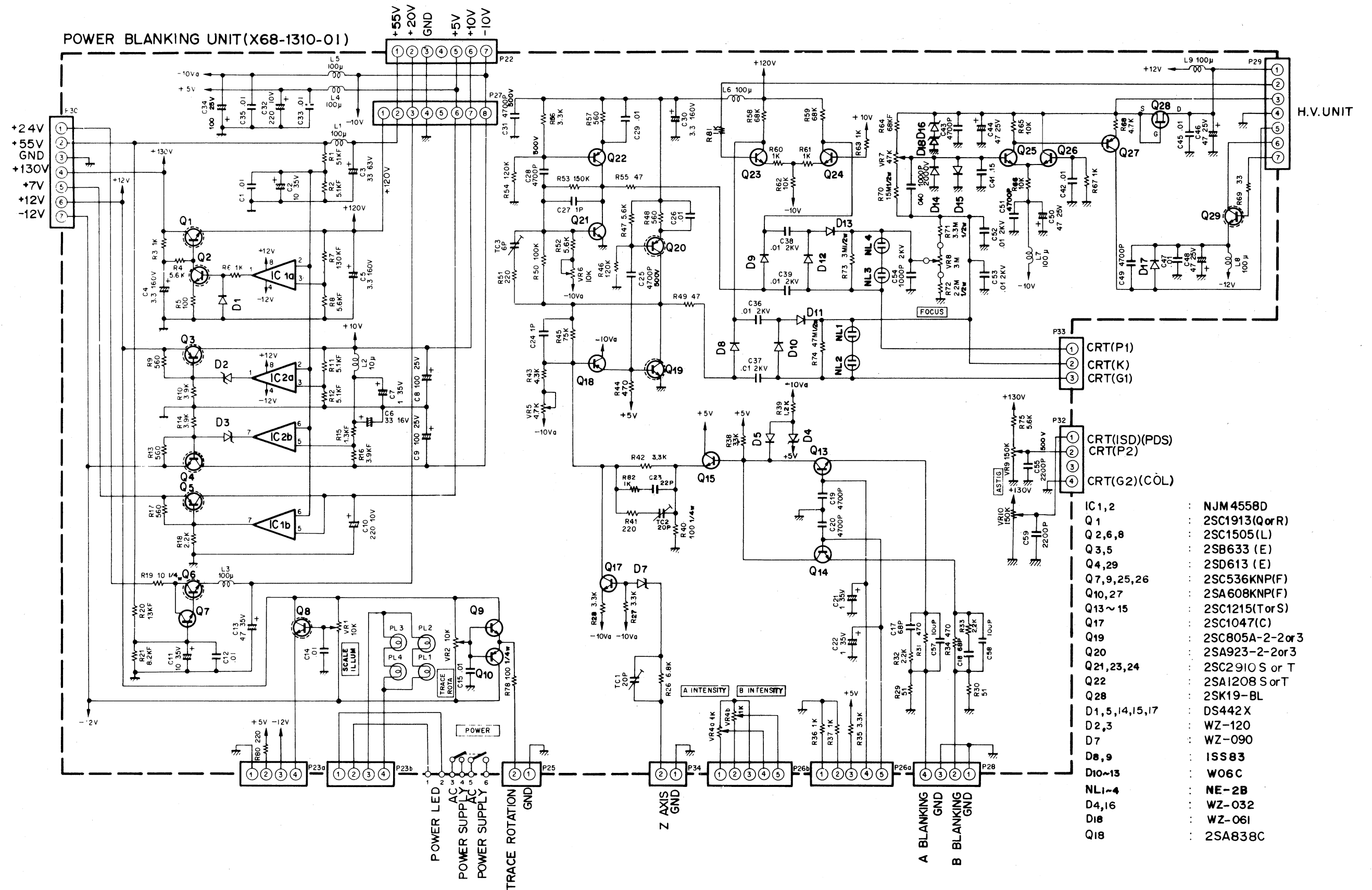
B TRIG SWITCH UNIT (X77-1120-01)

B TRIG SWITCH UNIT (X77-1120-01)

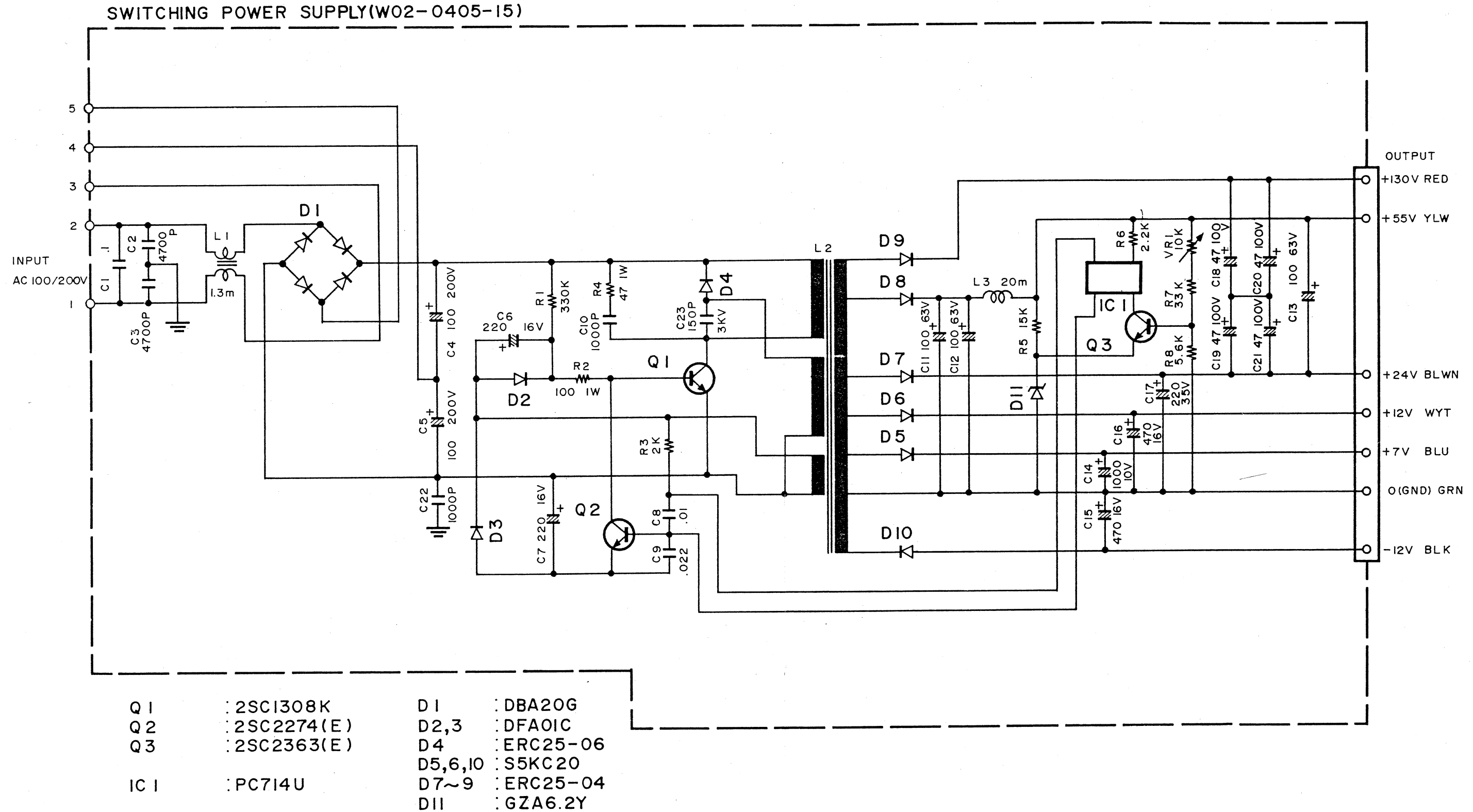


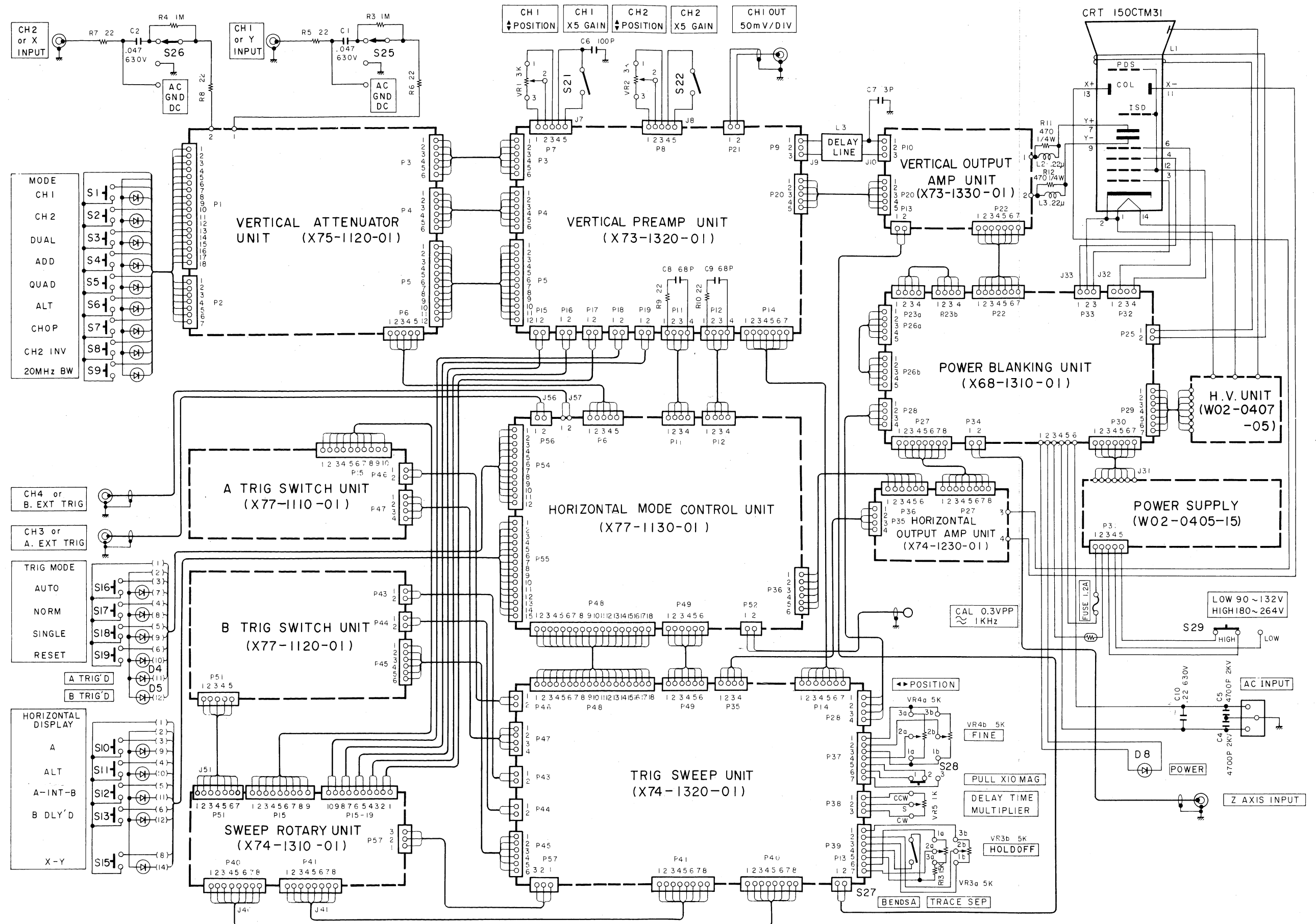
IC1 : CA3102E Q5,6 : 2SA1161
 Q1,3,4 : 2SC1215TorS D1 : WZ-081
 Q2 : DNI901 or U440
 Q7 : 2SC2671

POWER BLANKING UNIT (X68-1310-01)

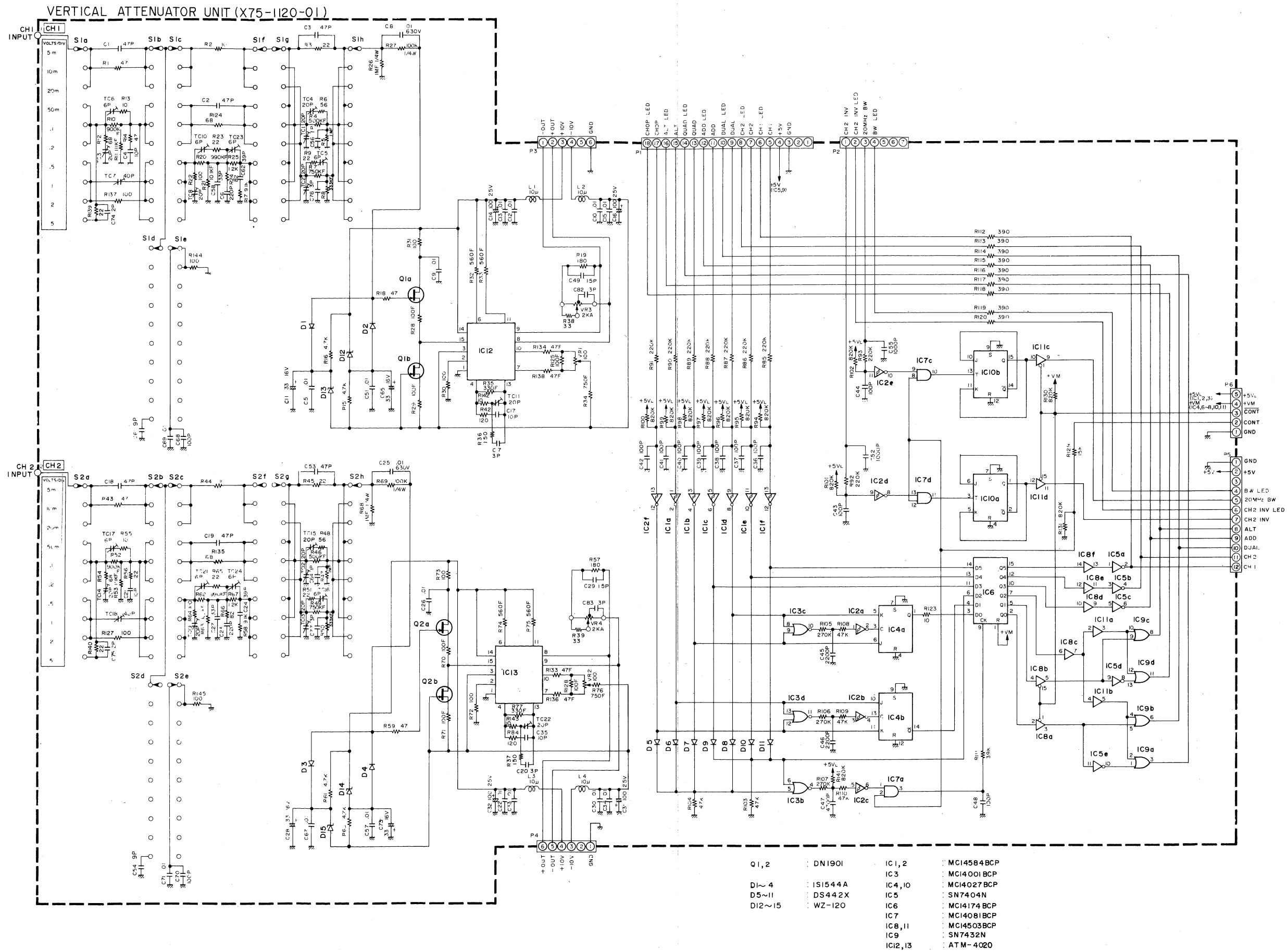


POWER SUPPLY (W02-0405-15)

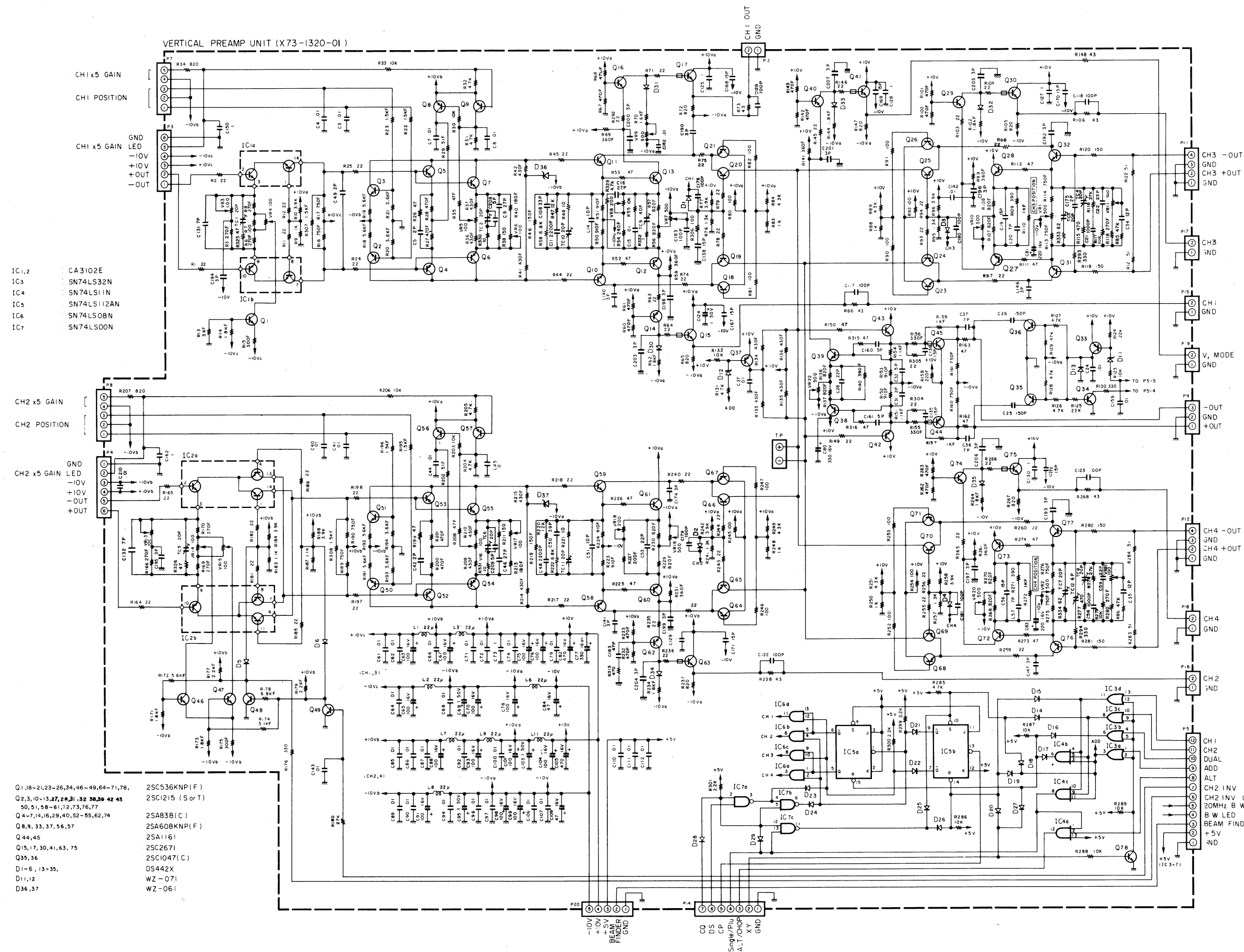




VERTICAL ATTENUATOR UNIT
(X75-1120-01)

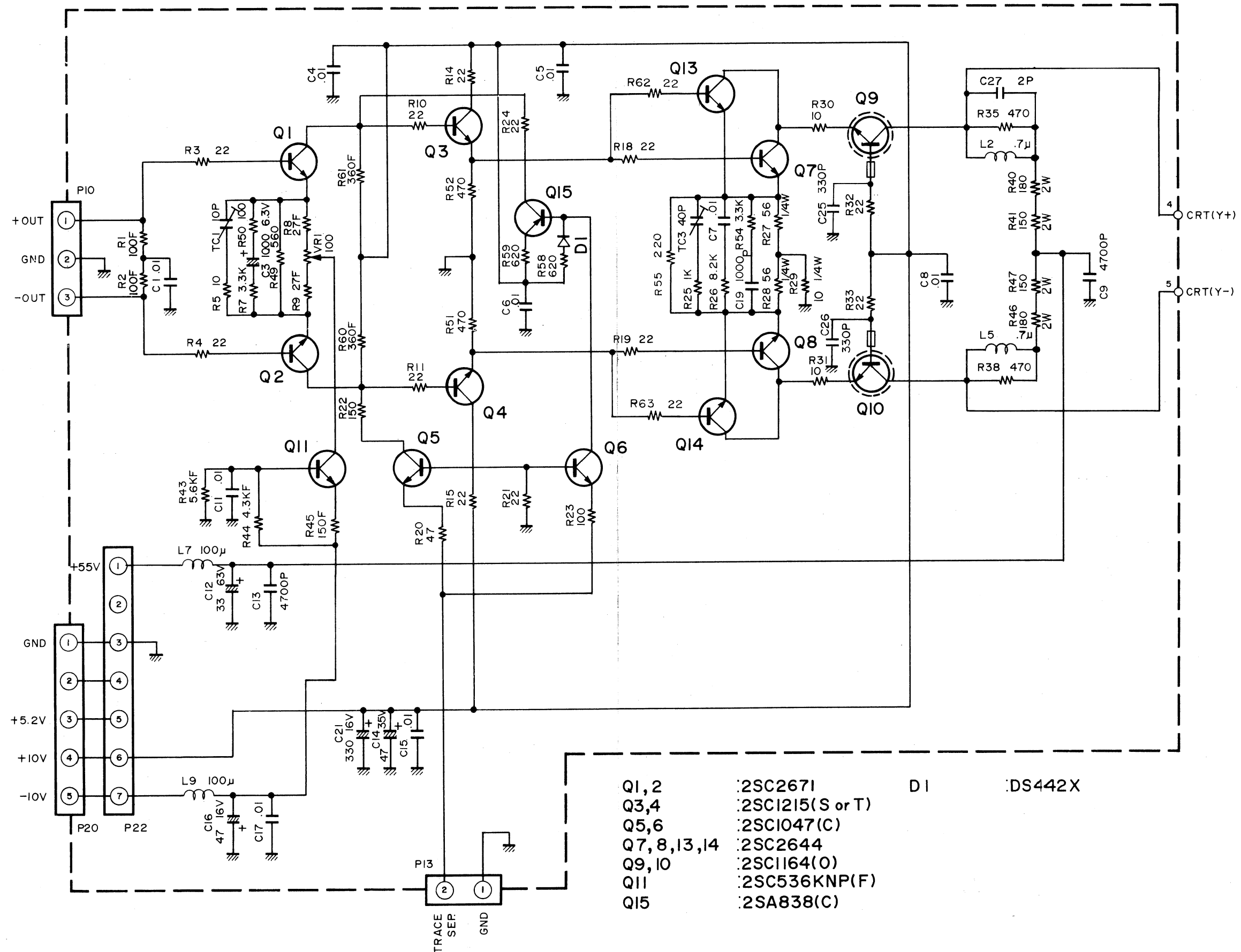


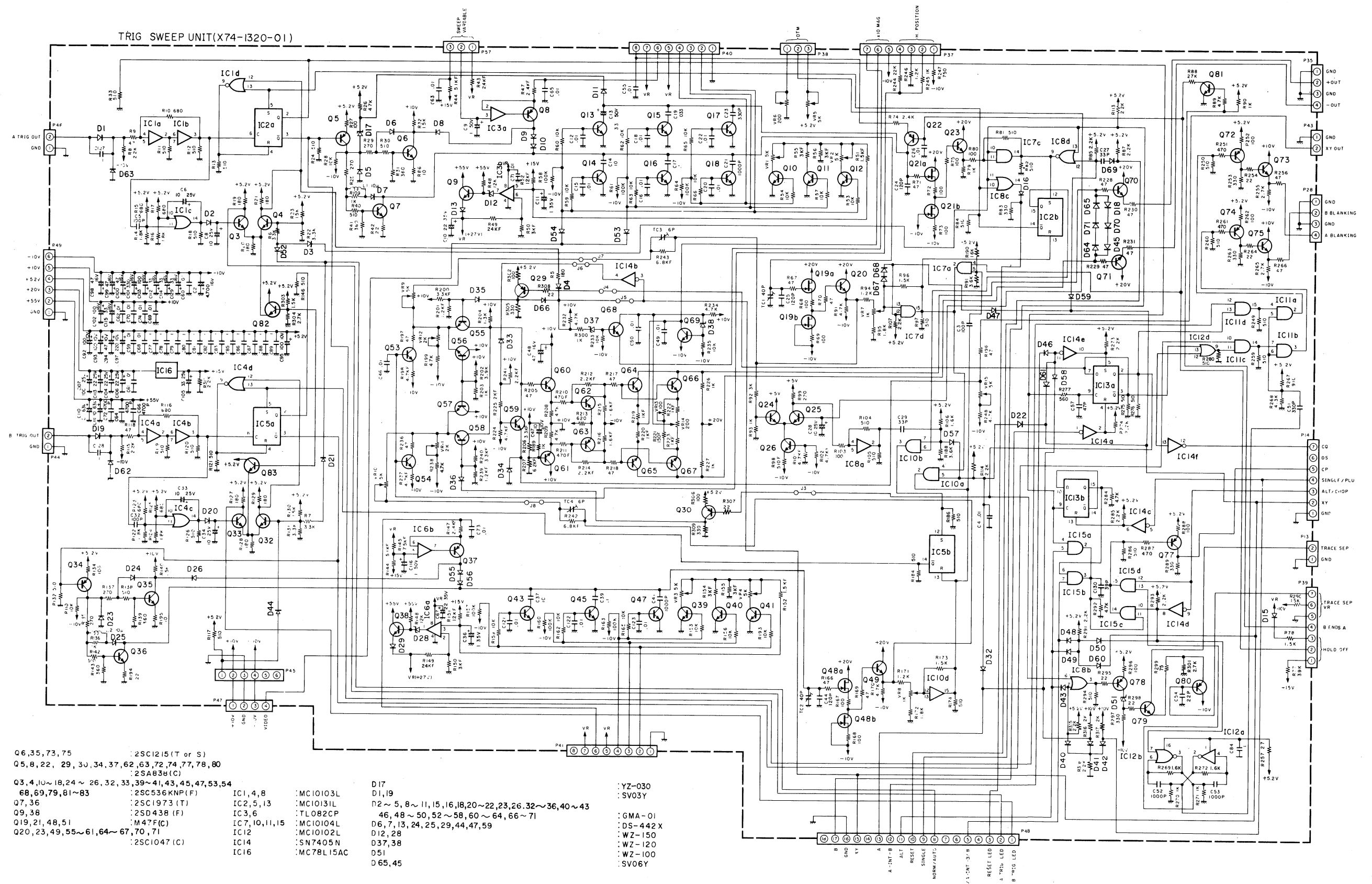
VERTICAL PREAMP UNIT (X73-1320-01)



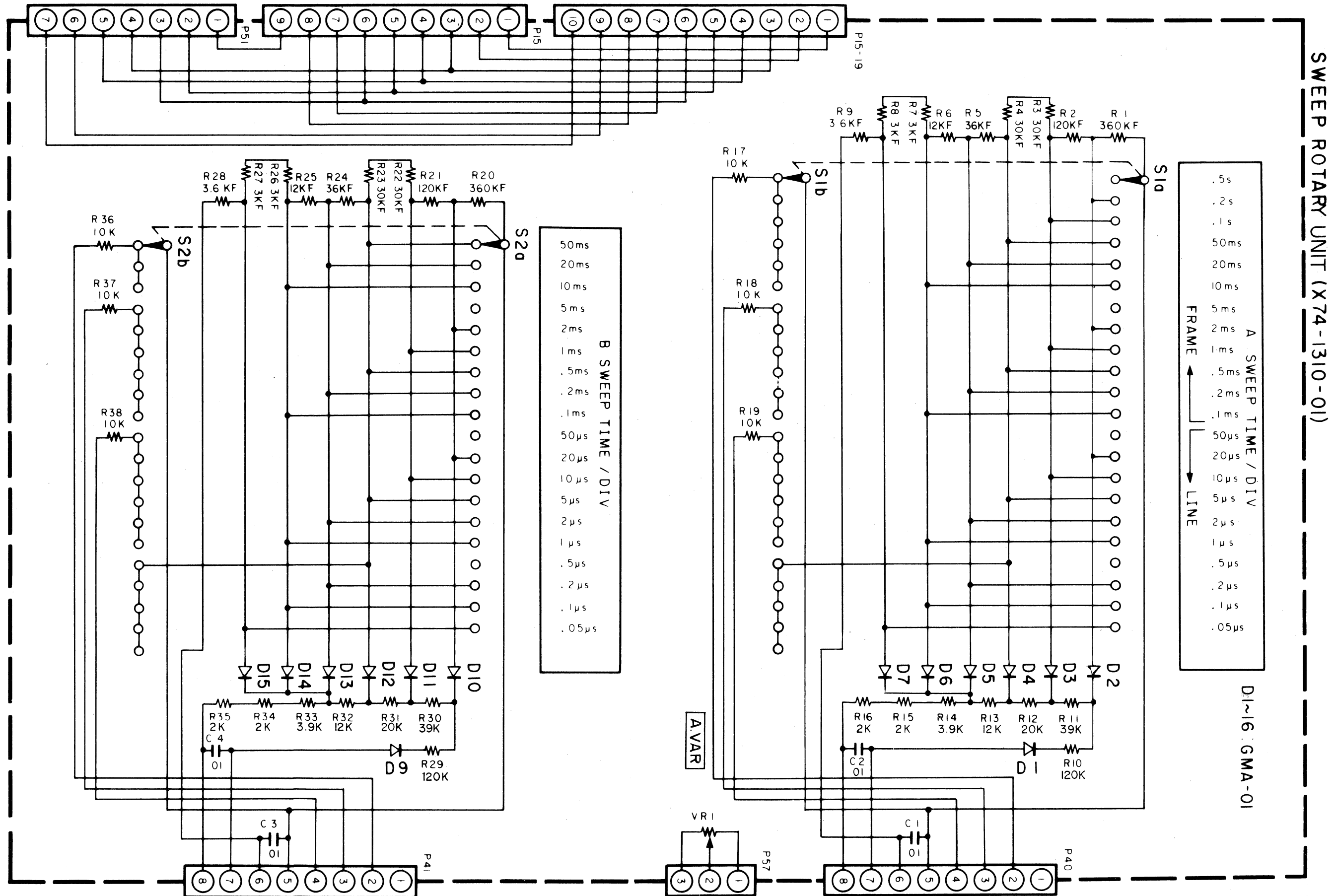
VERTICAL OUTPUT AMP UNIT (X73-1330-01)

VERTICAL OUTPUT AMP UNIT (X73-1330-01)





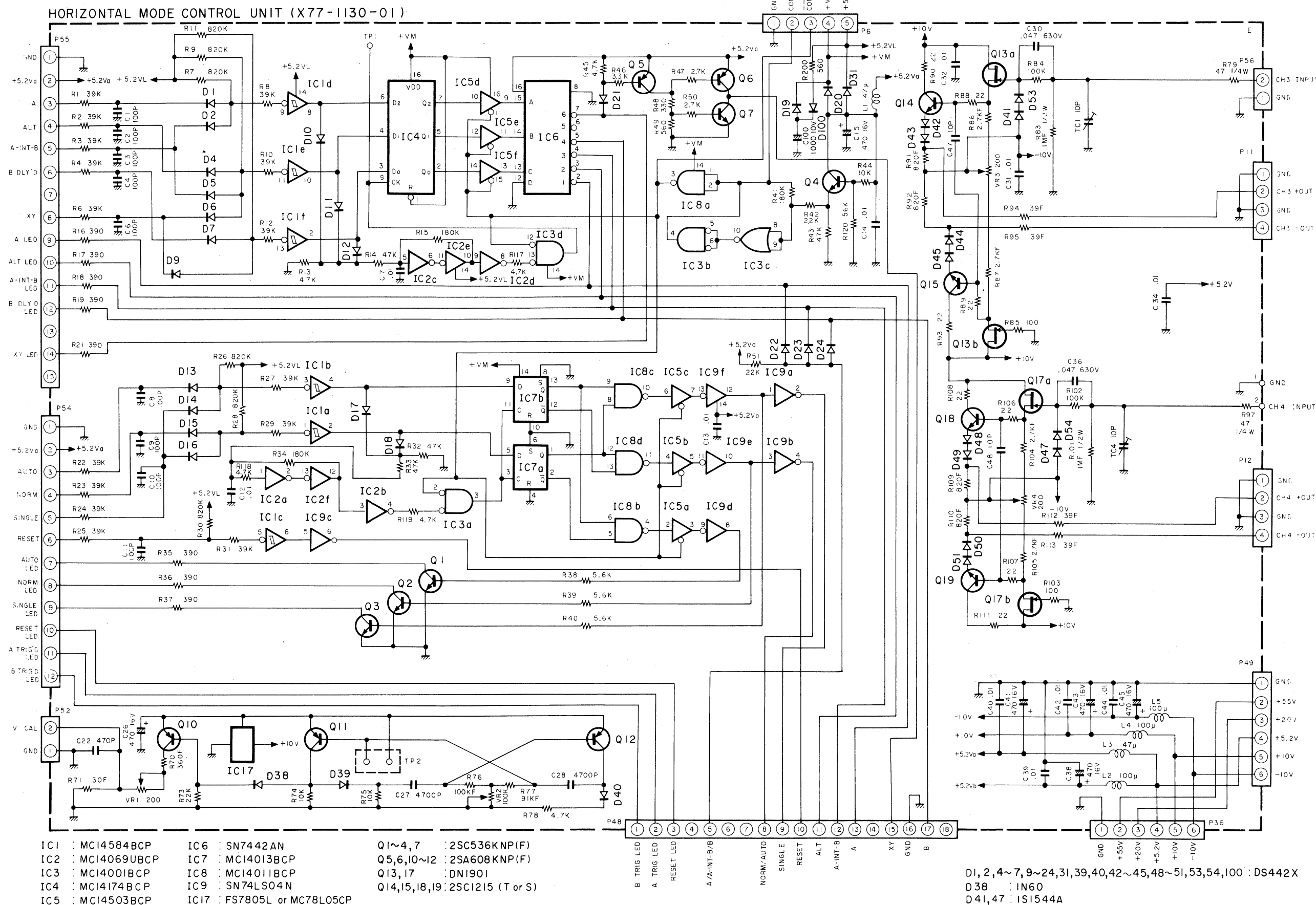
SWEEP ROTARY UNIT (X74-1310-01)



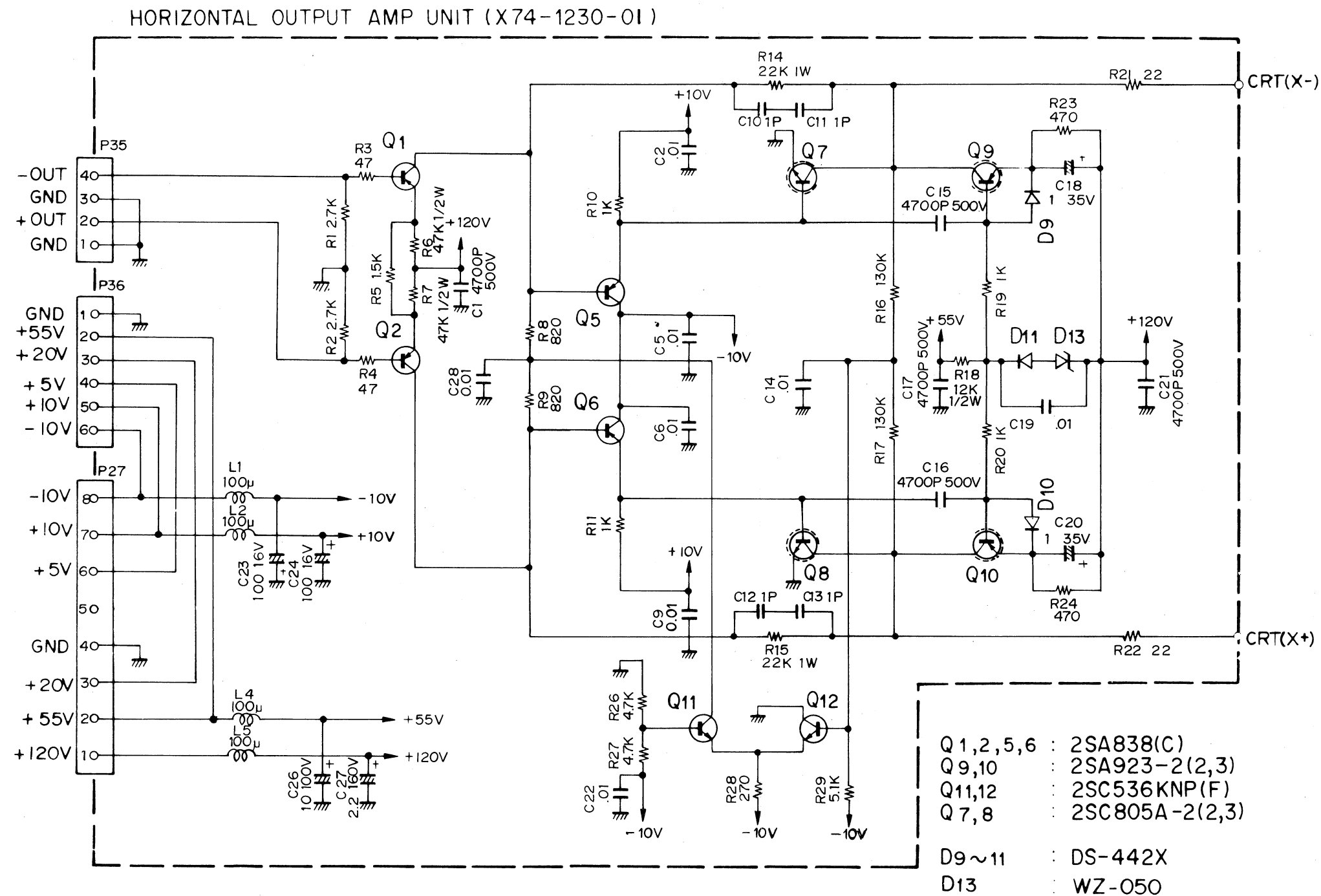
SWEEP ROTARY UNIT (X74-1310-01)

D1~16:GMA-01

HORIZONTAL MODE CONTROL UNIT (X77-1130-01)

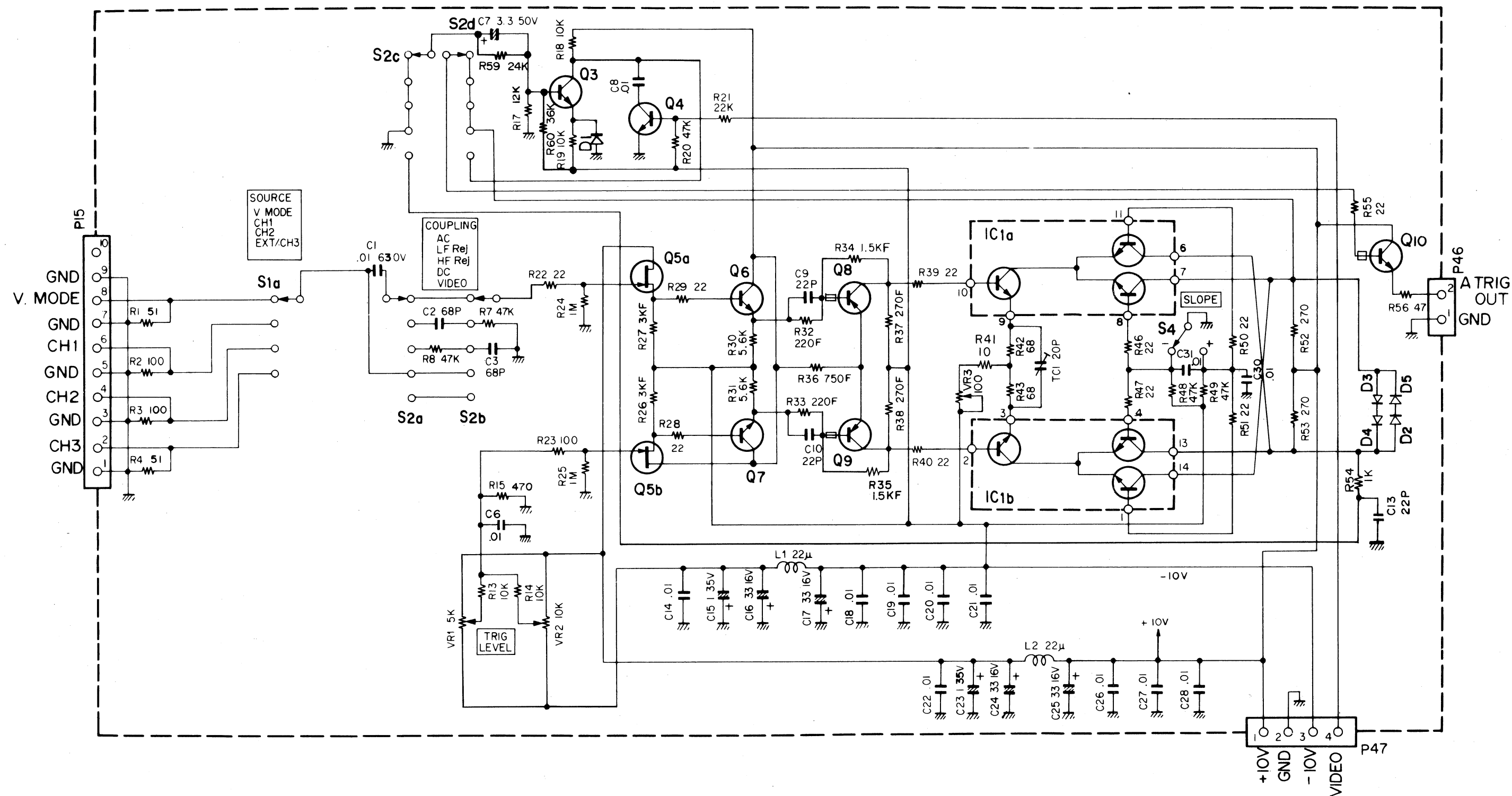


HORIZONTAL OUTPUT AMP UNIT (X74-1230-01)



A TRIG SWITCH UNIT (X77-1110-01)

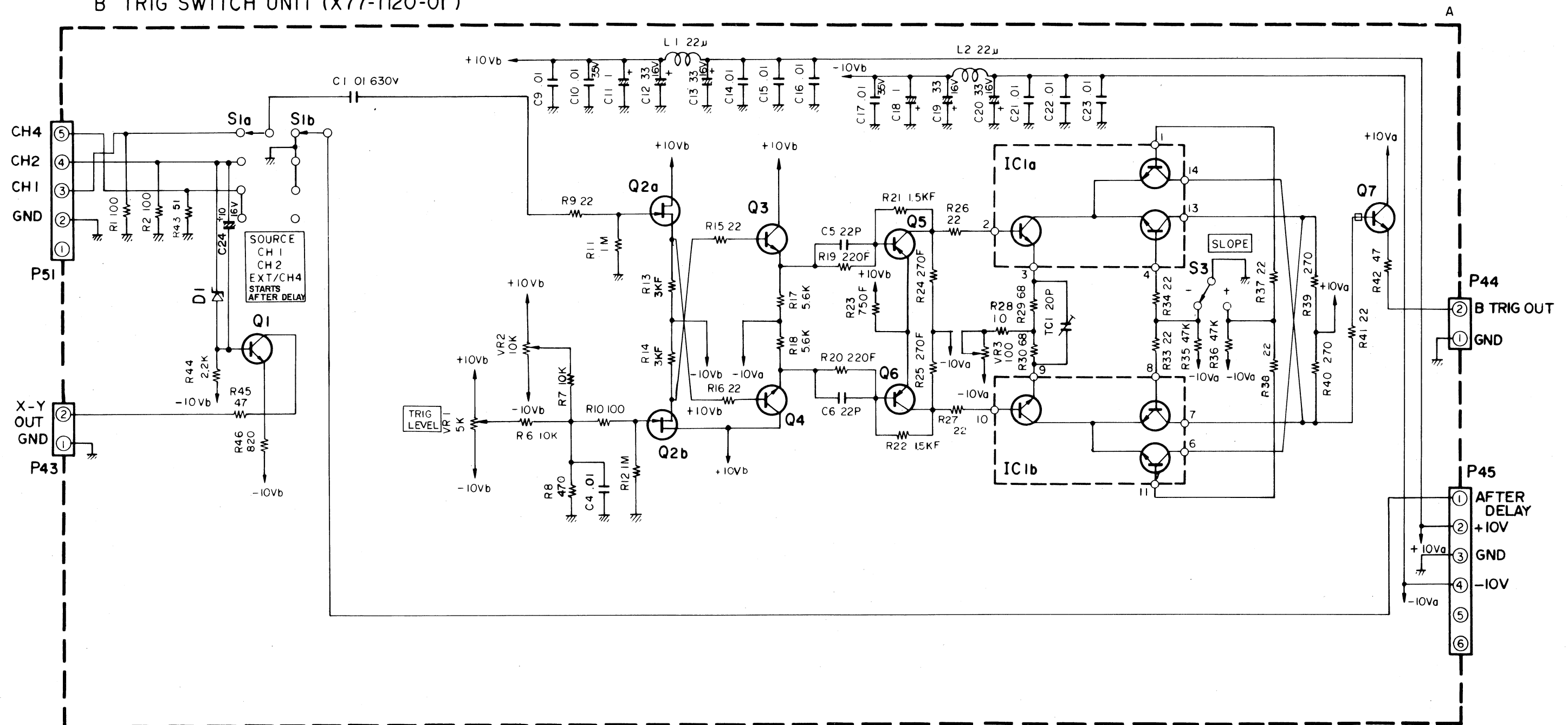
A TRIG SWITCH UNIT (X77-1110-01)



- IC1 :CA3102E
 Q3,4 :2SC536KNP(F)
 Q5 :DN1901
 Q6,7 :2SC1215(T or S)
 Q8,9 :2SA1161
 Q10 :2SC2671
 DI~5 :DS442X

B TRIG SWITCH UNIT (X77-1120-01)

B TRIG SWITCH UNIT (X77-1120-01)



IC1 : CA3102E

Q5,6 : 2SA116I

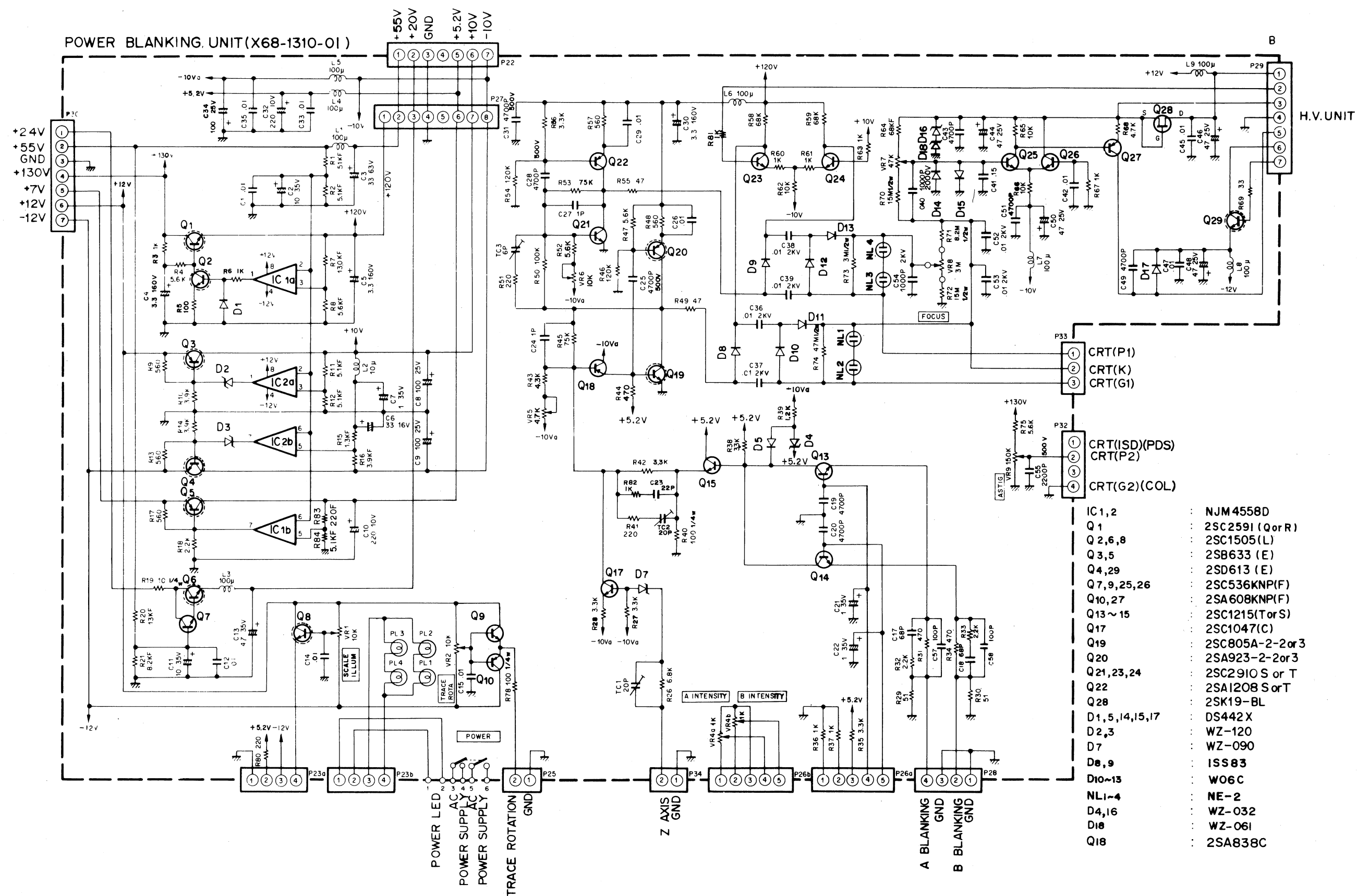
Q1,3,4 : 2SC1215 TorS

D1 : WZ-08I

Q2 : DNI90I

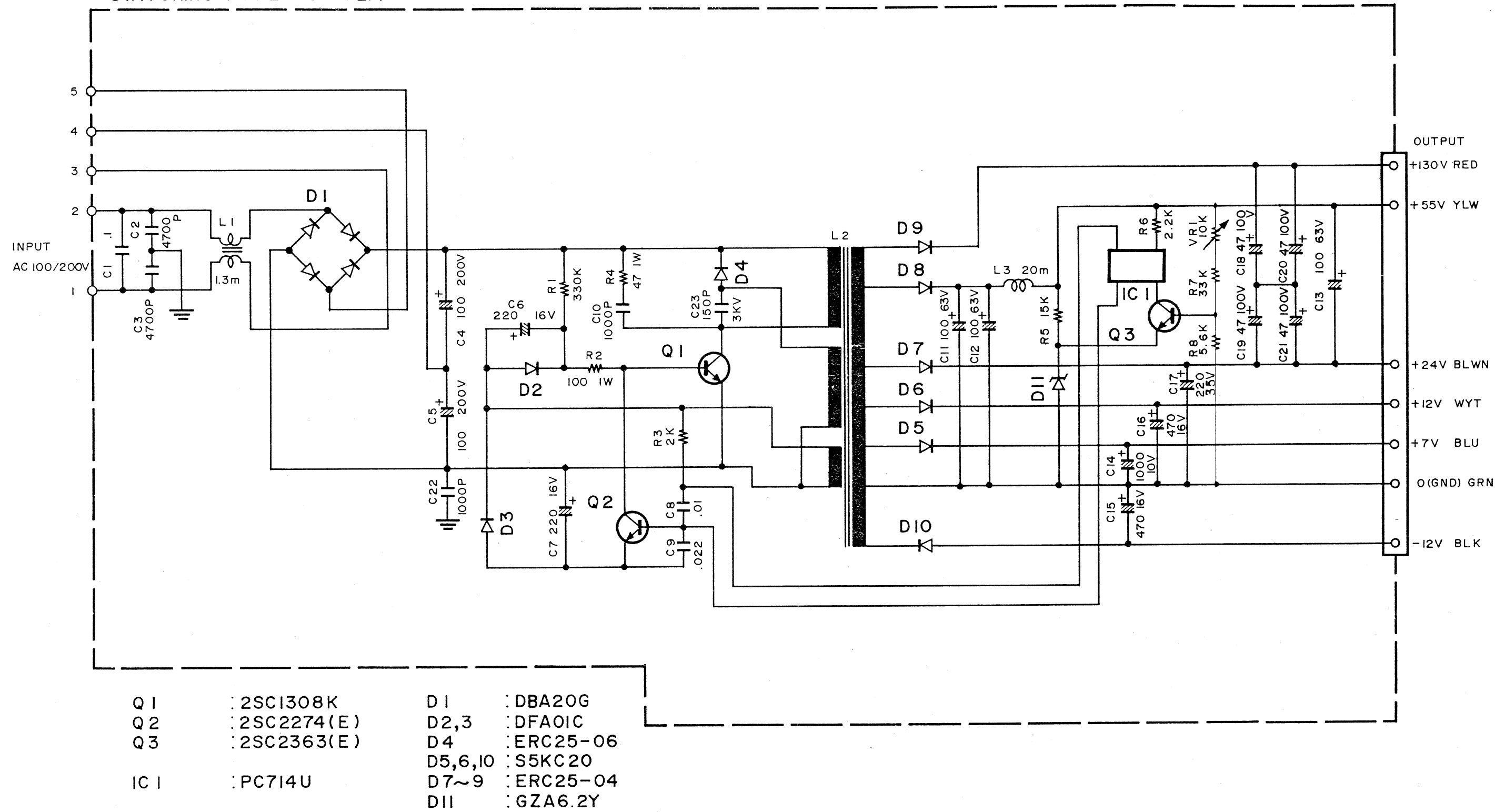
Q7 : 2SC2499

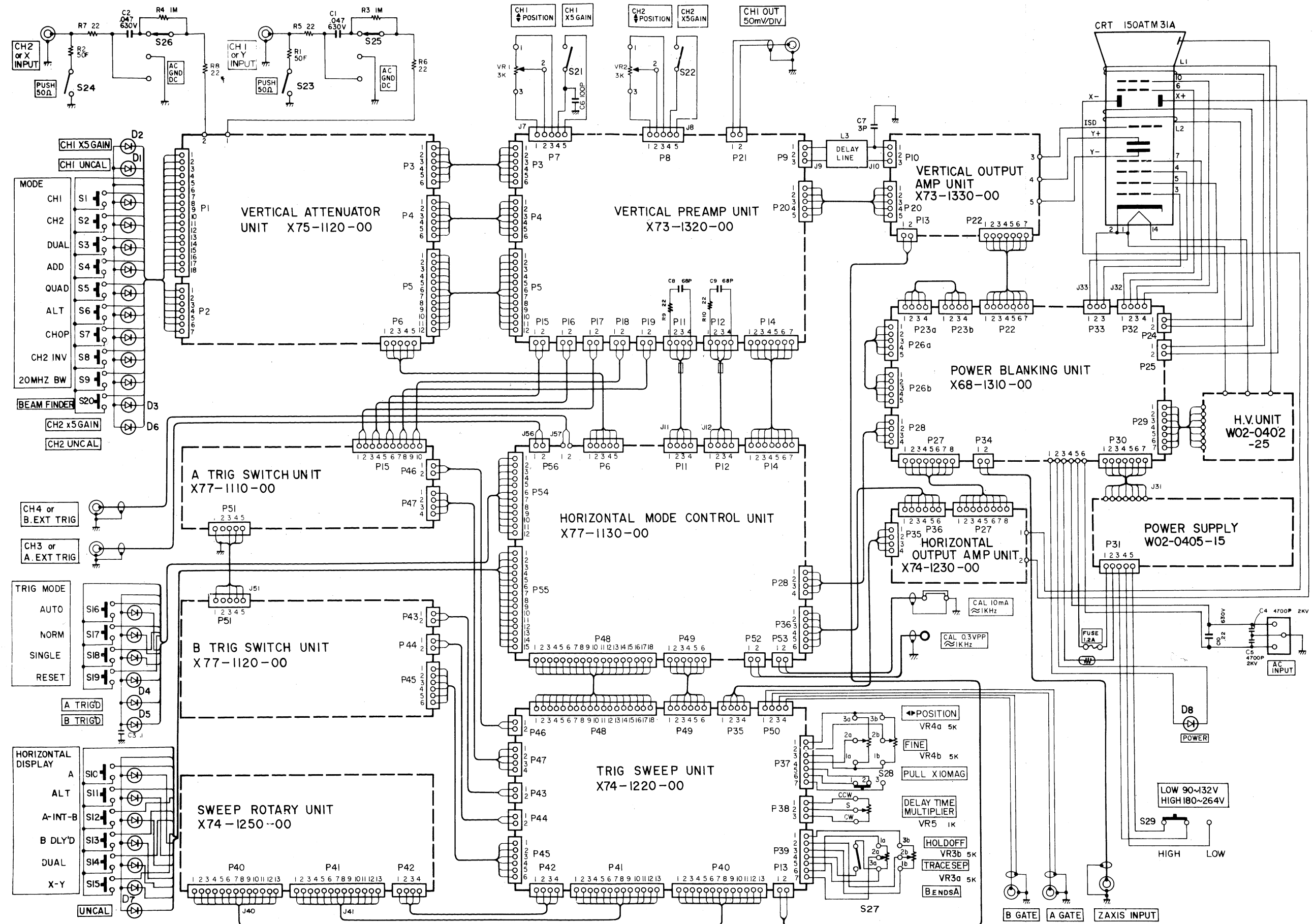
POWER BLANKING UNIT (X68-1310-01)



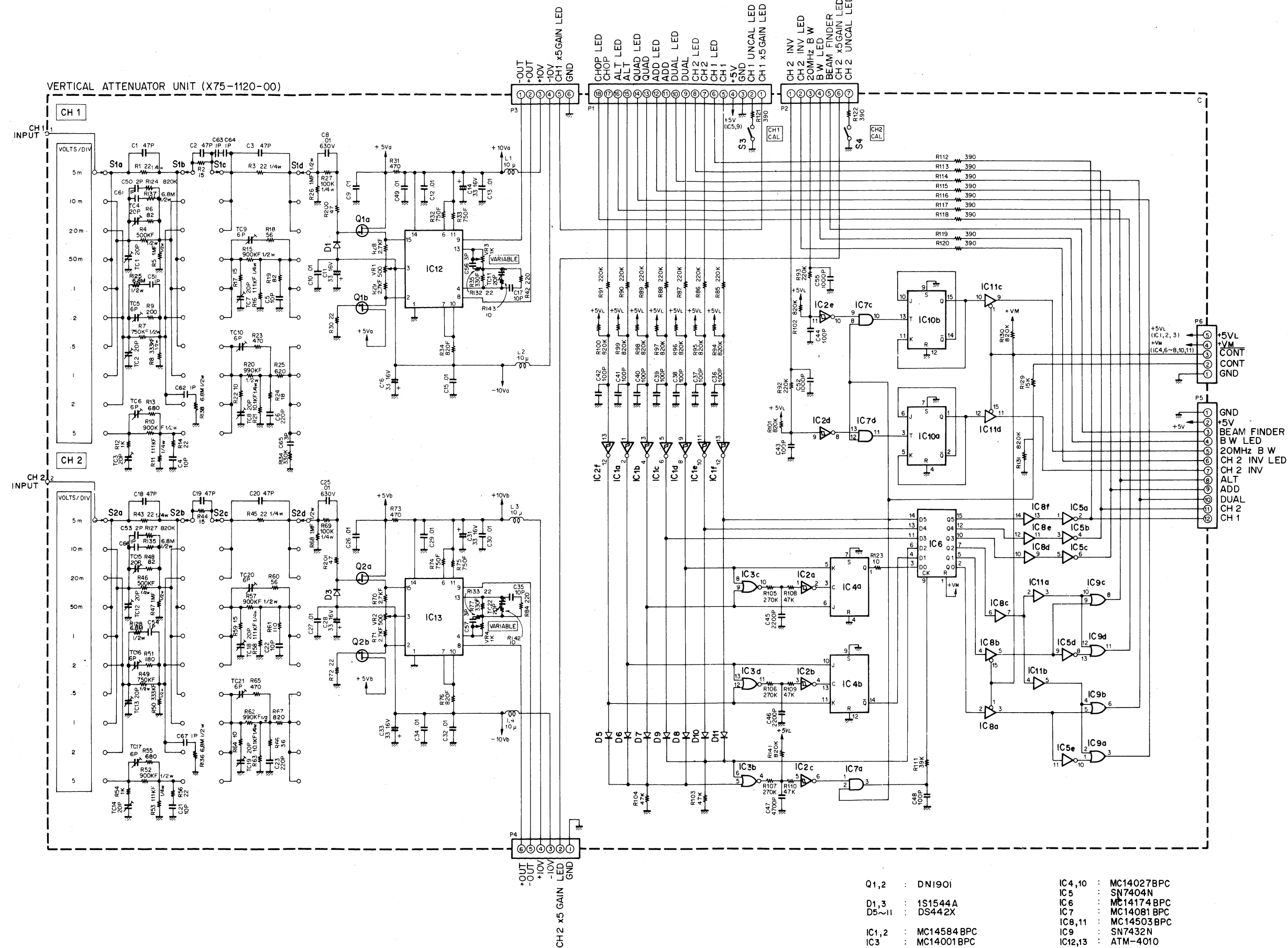
POWER SUPPLY (W02-0405-15)

SWITCHING POWER SUPPLY(W02-0405-15)

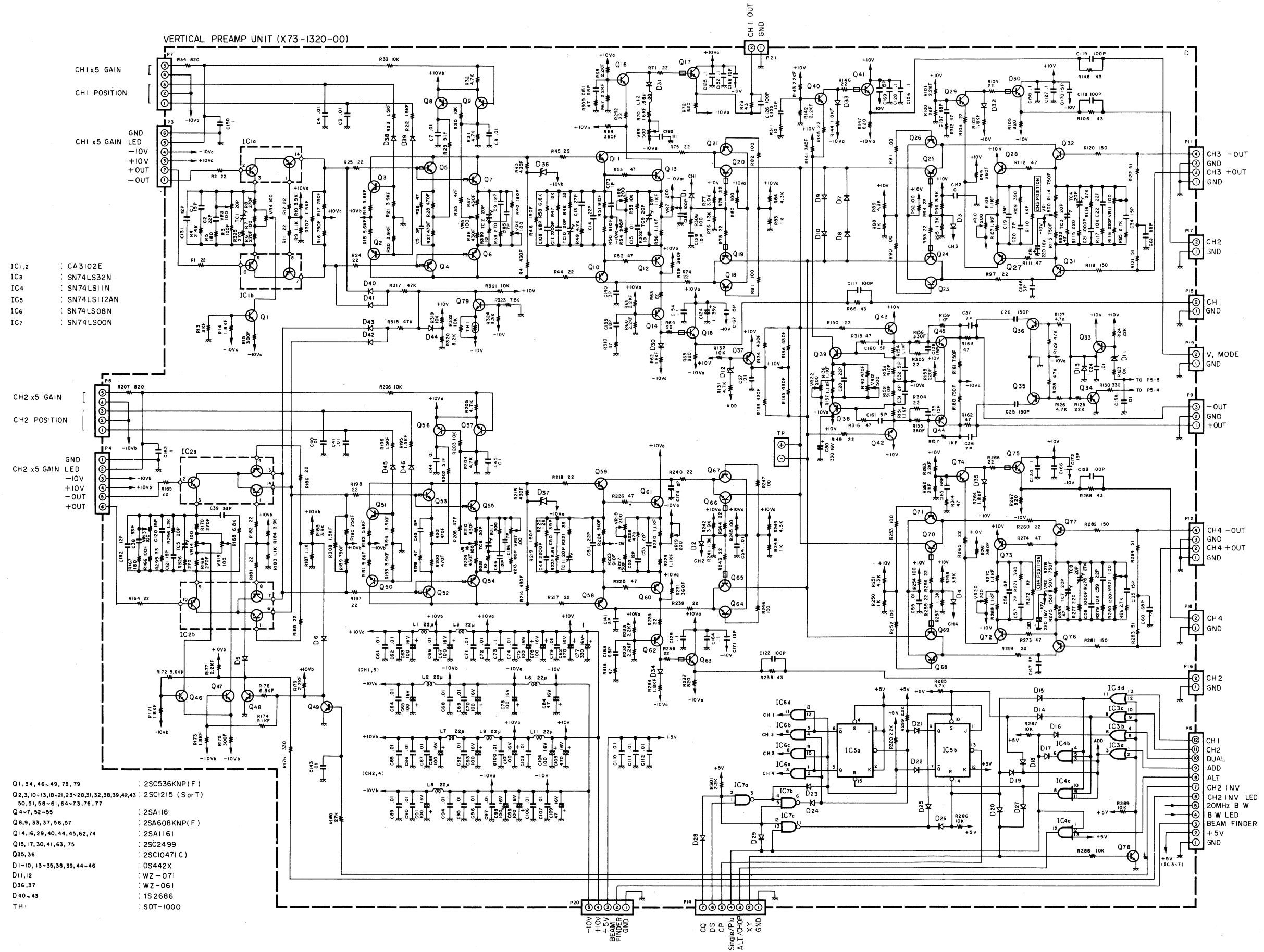




VERTICAL ATTENUATOR UNIT (X75-1120-00)

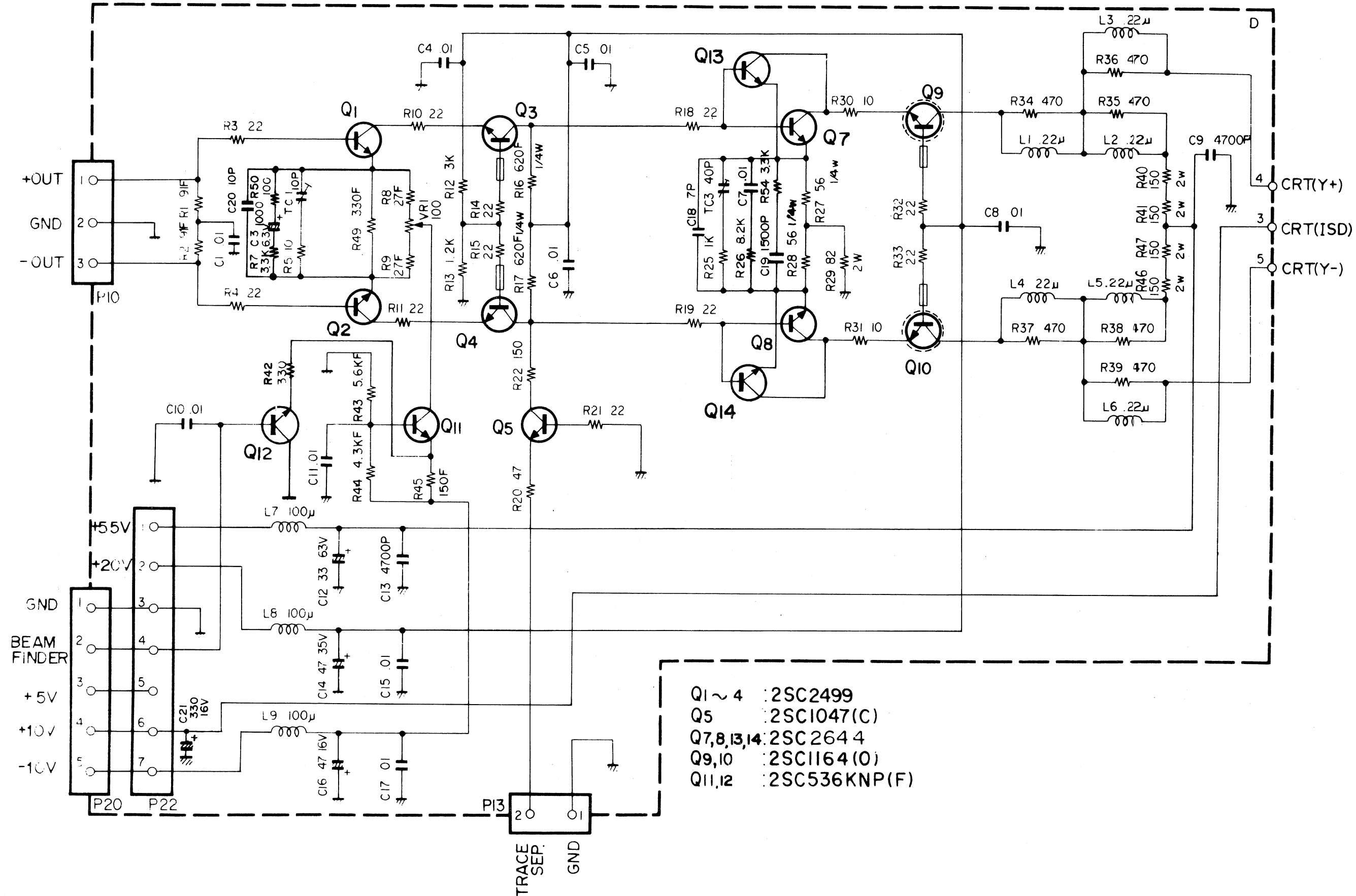


VERTICAL PREAMP UNIT (X73-1320-00)

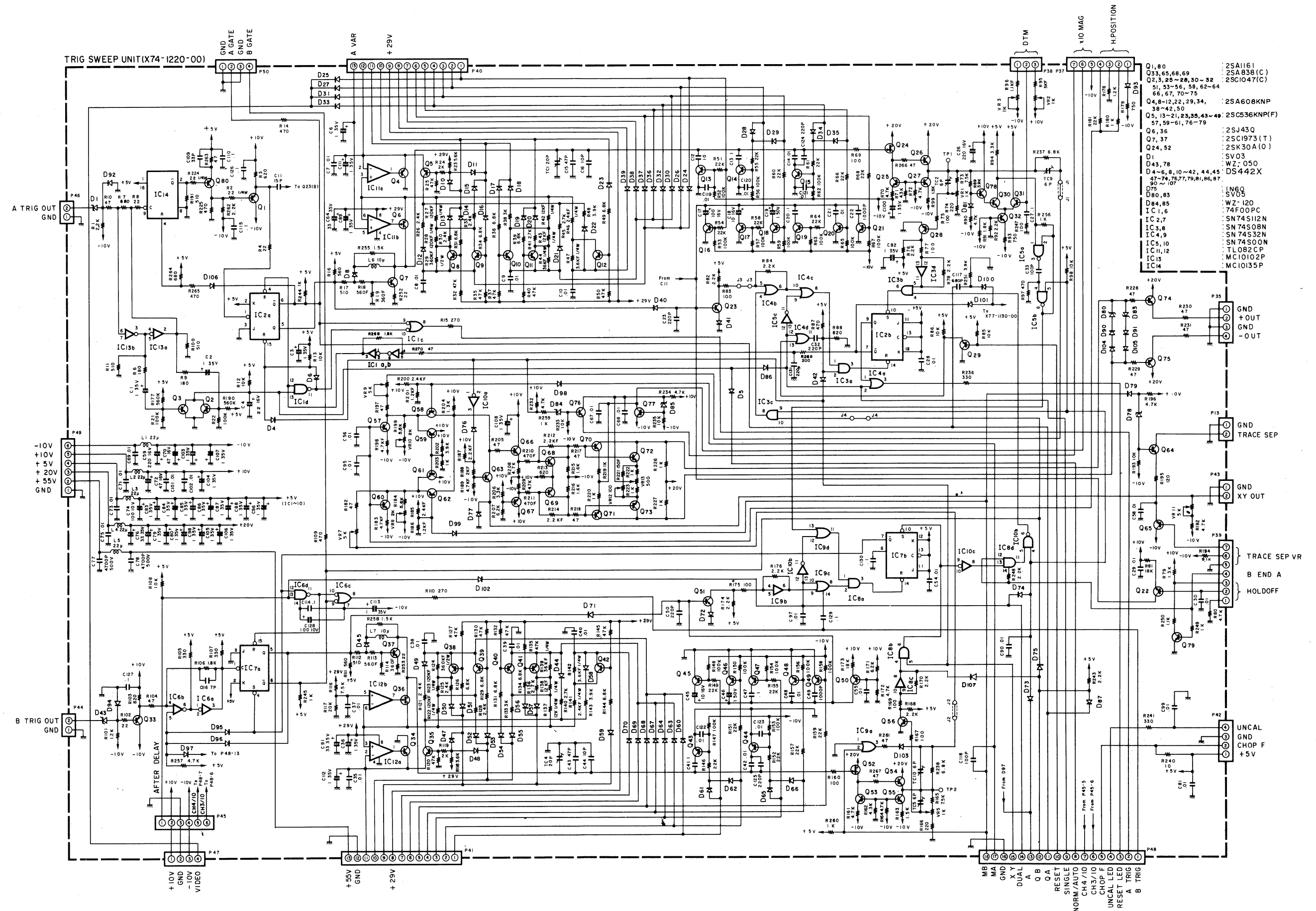


VERTICAL OUTPUT AMP UNIT (X73-1330-00)

VERTICAL OUTPUT AMP UNIT (X73-1330-00)

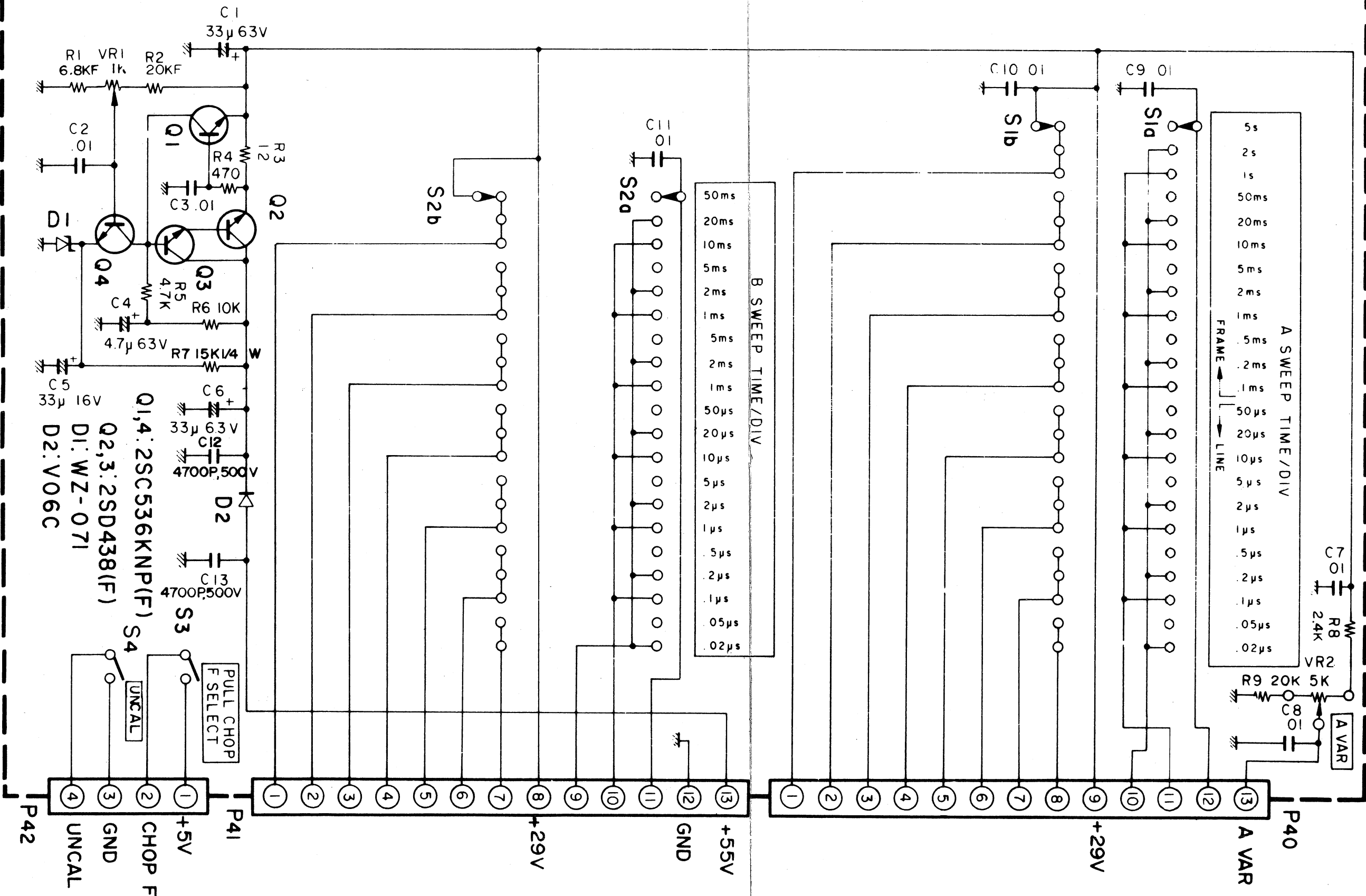


TRIG SWEEP UNIT (X74-1220-00)

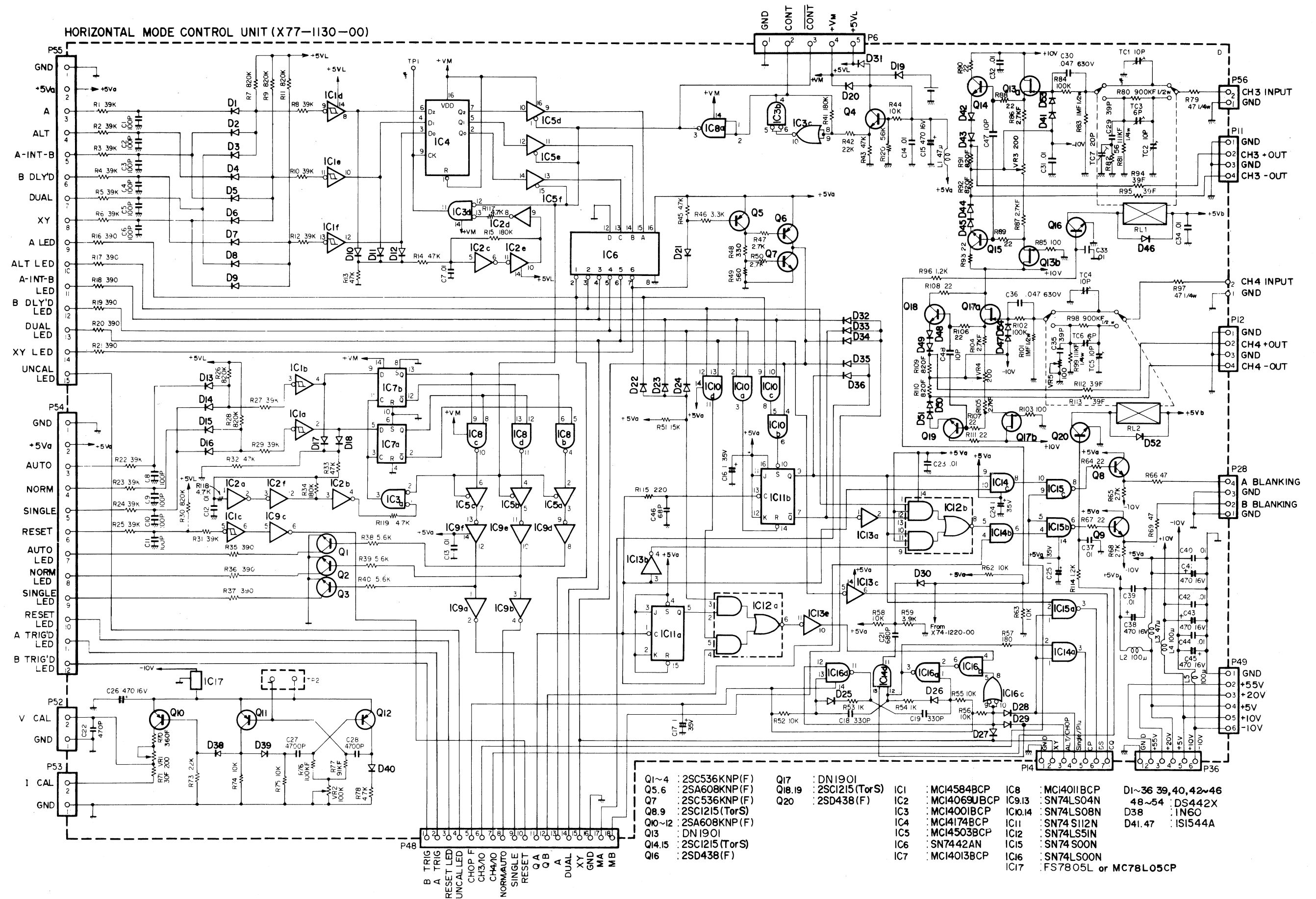


SWEEP ROTARY UNIT (X74-1250-00)

SWEEP ROTARY UNIT(X74-1250-00)

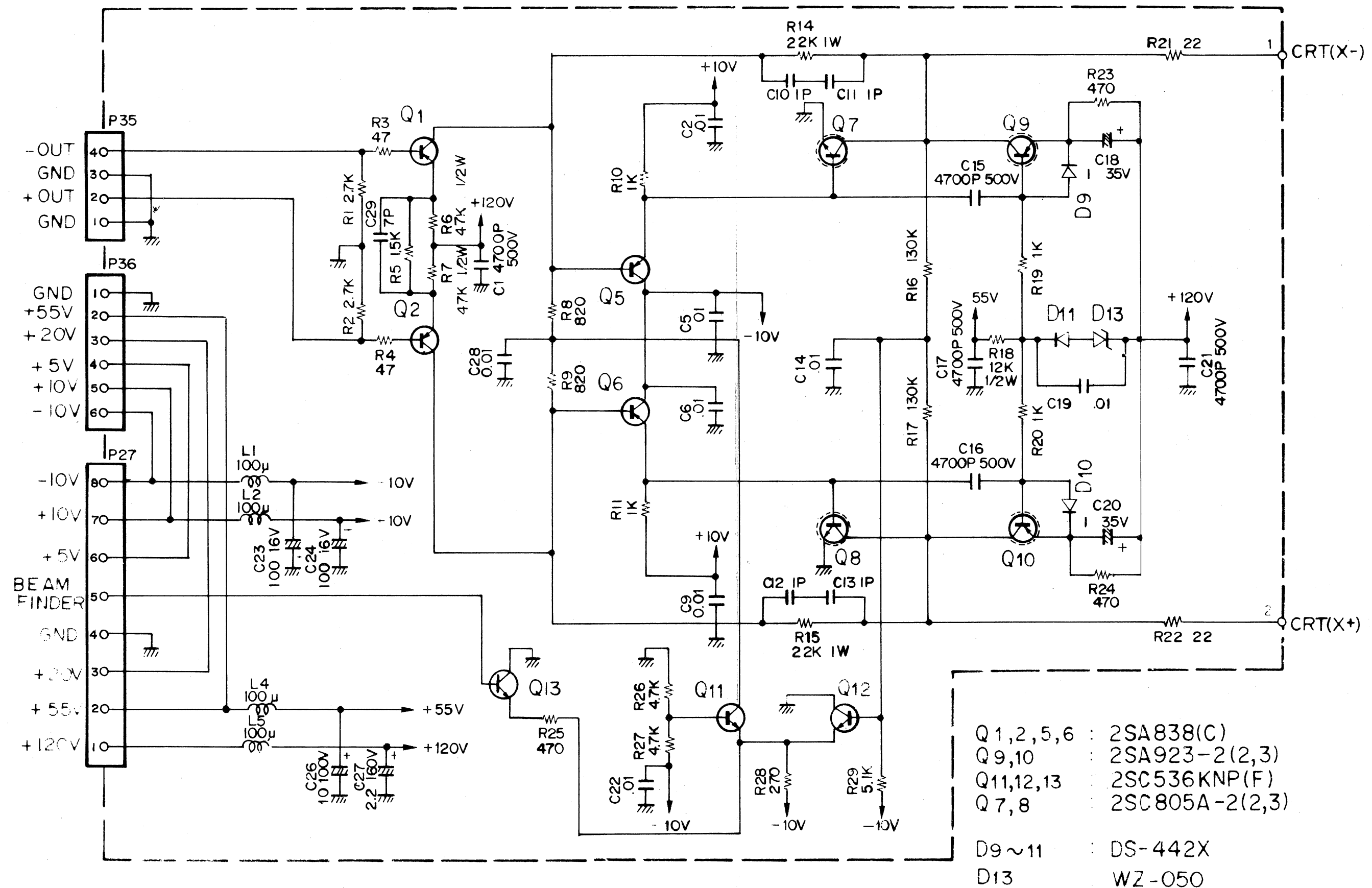


HORIZONTAL MODE CONTROL UNIT (X77-1130-00)

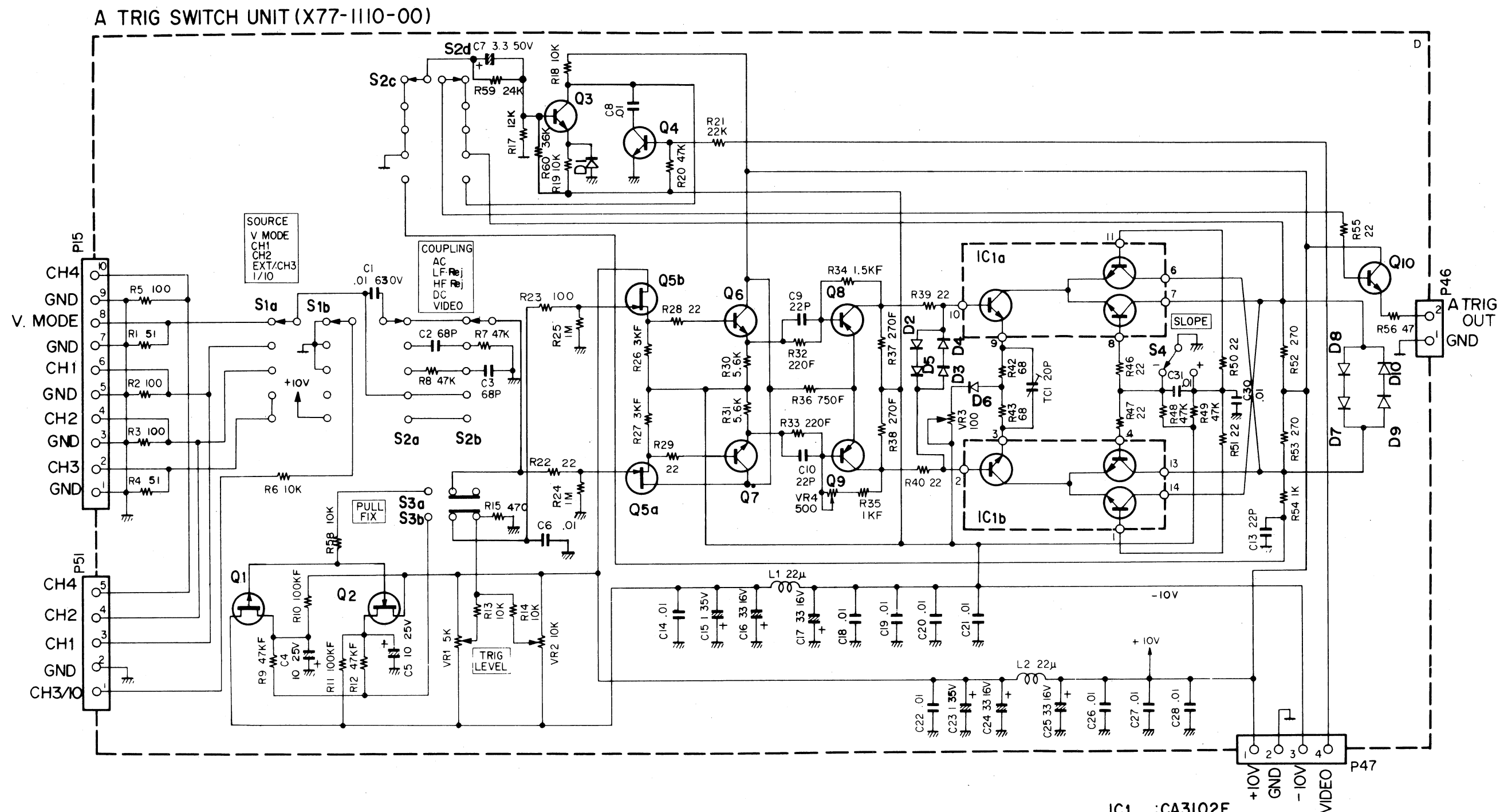


HORIZONTAL OUTPUT AMP UNIT (X74-1230-00)

HORIZONTAL OUTPUT AMP UNIT (X74-1230-00)



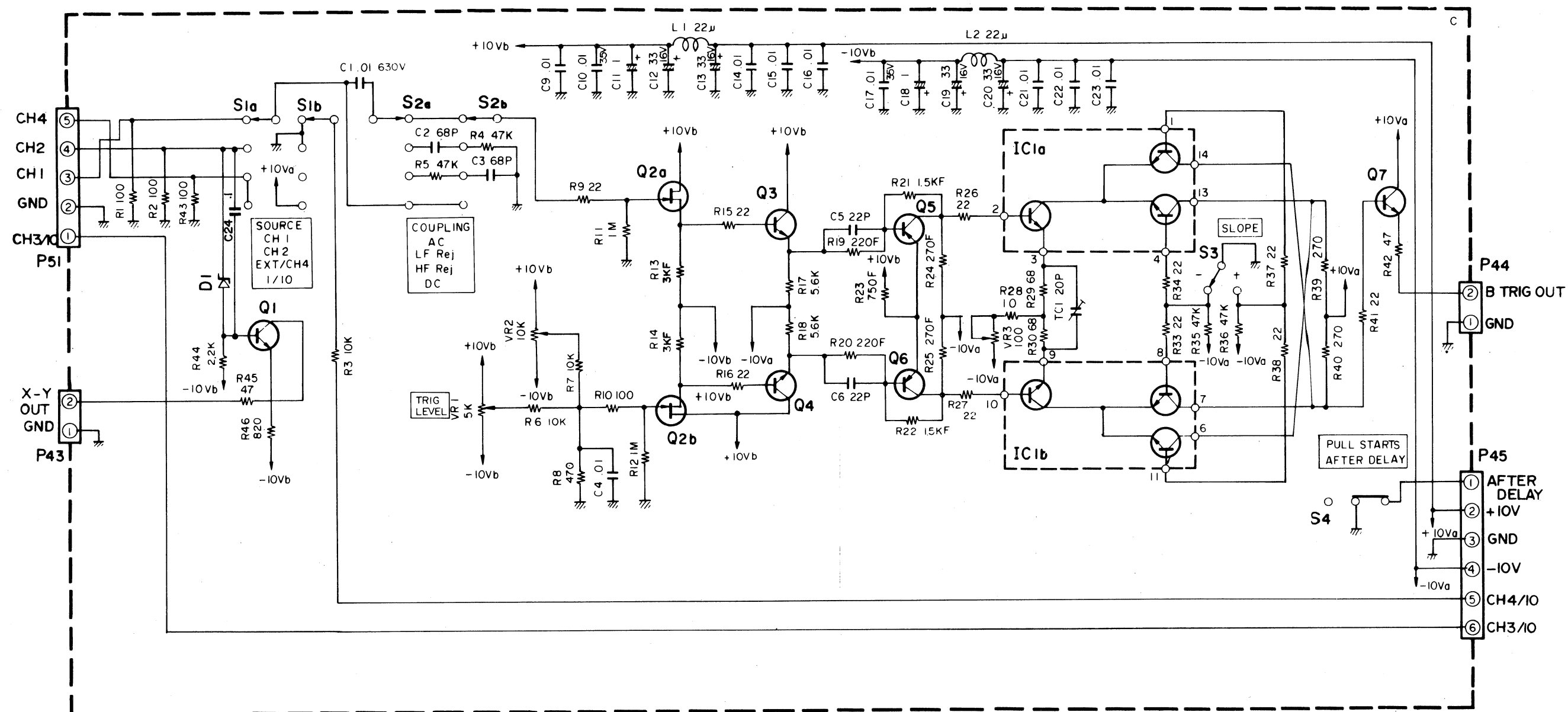
A TRIG SWITCH UNIT (X77-1110-00)



- IC1 : CA3102E
 Q1 : 2SJ43(Q) Di~10 : DS442X
 Q3,4 : 2SC536KNP(F)
 Q5 : DNI90I
 Q6,7 : 2SC1215(T or S)
 Q8,9 : 2SA116I
 Q2 : 2SK127(Q)
 Q10 : 2SC2499

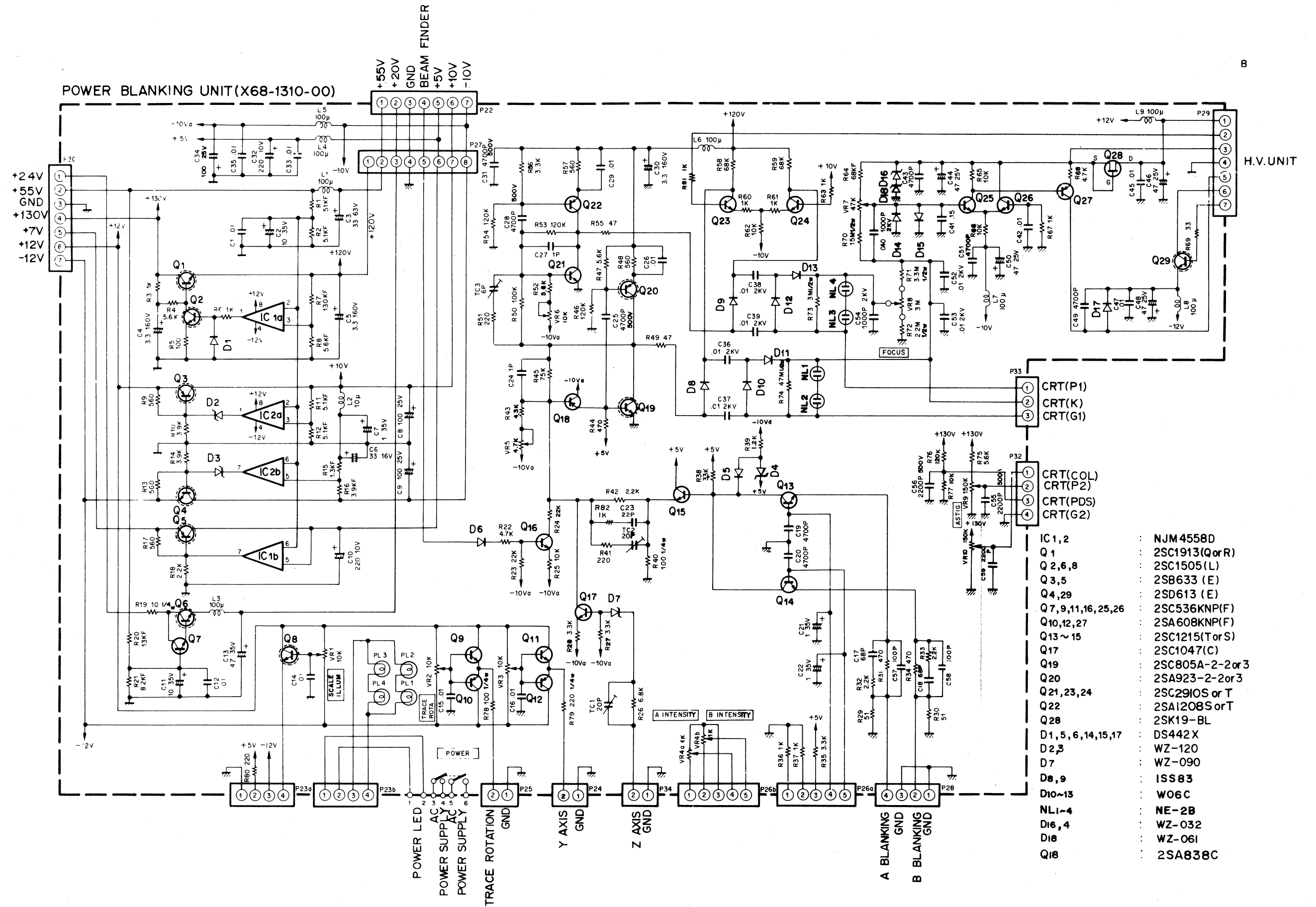
B TRIG SWITCH UNIT (X77-1120-00)

B TRIG SWITCH UNIT (X77-1120-00)

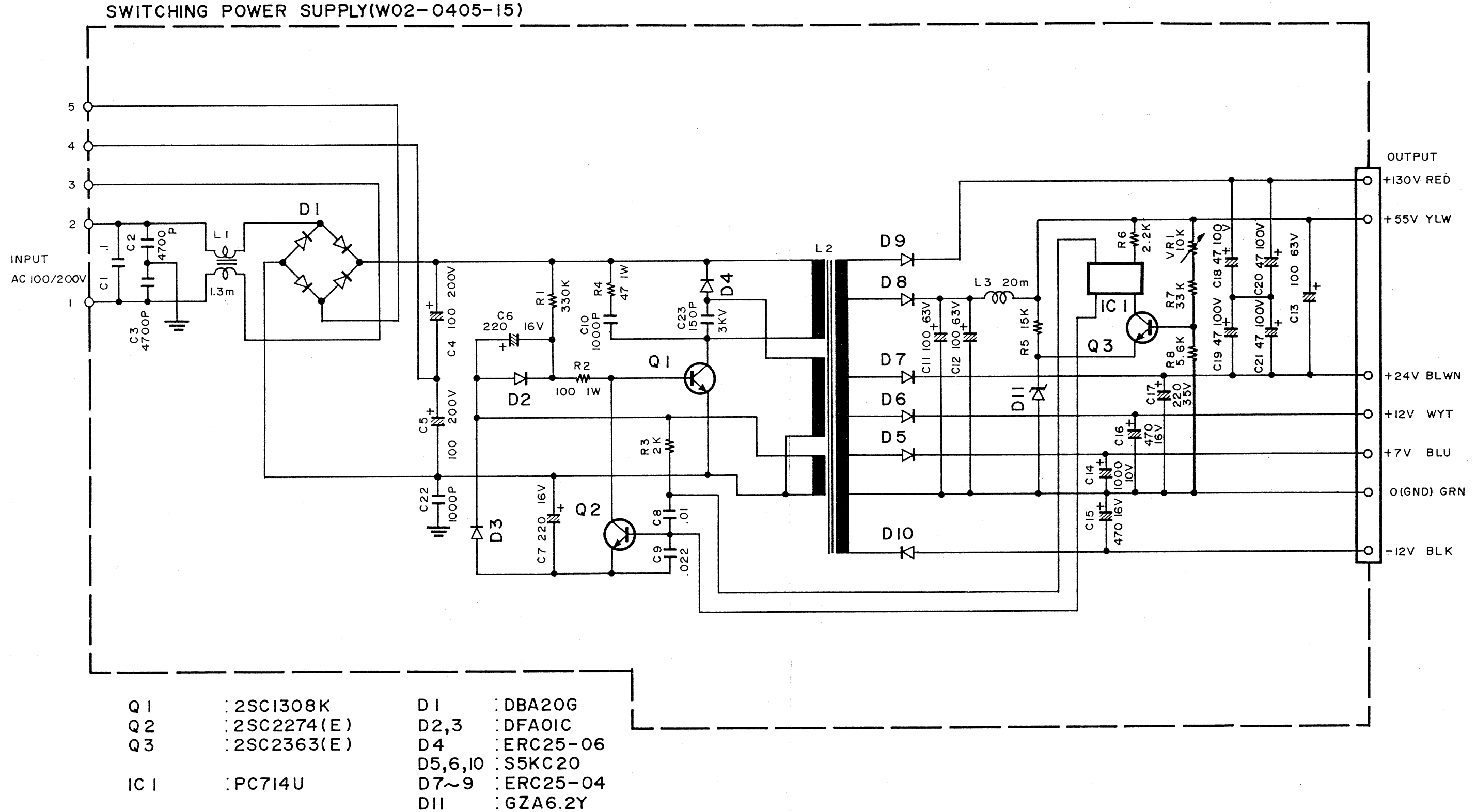


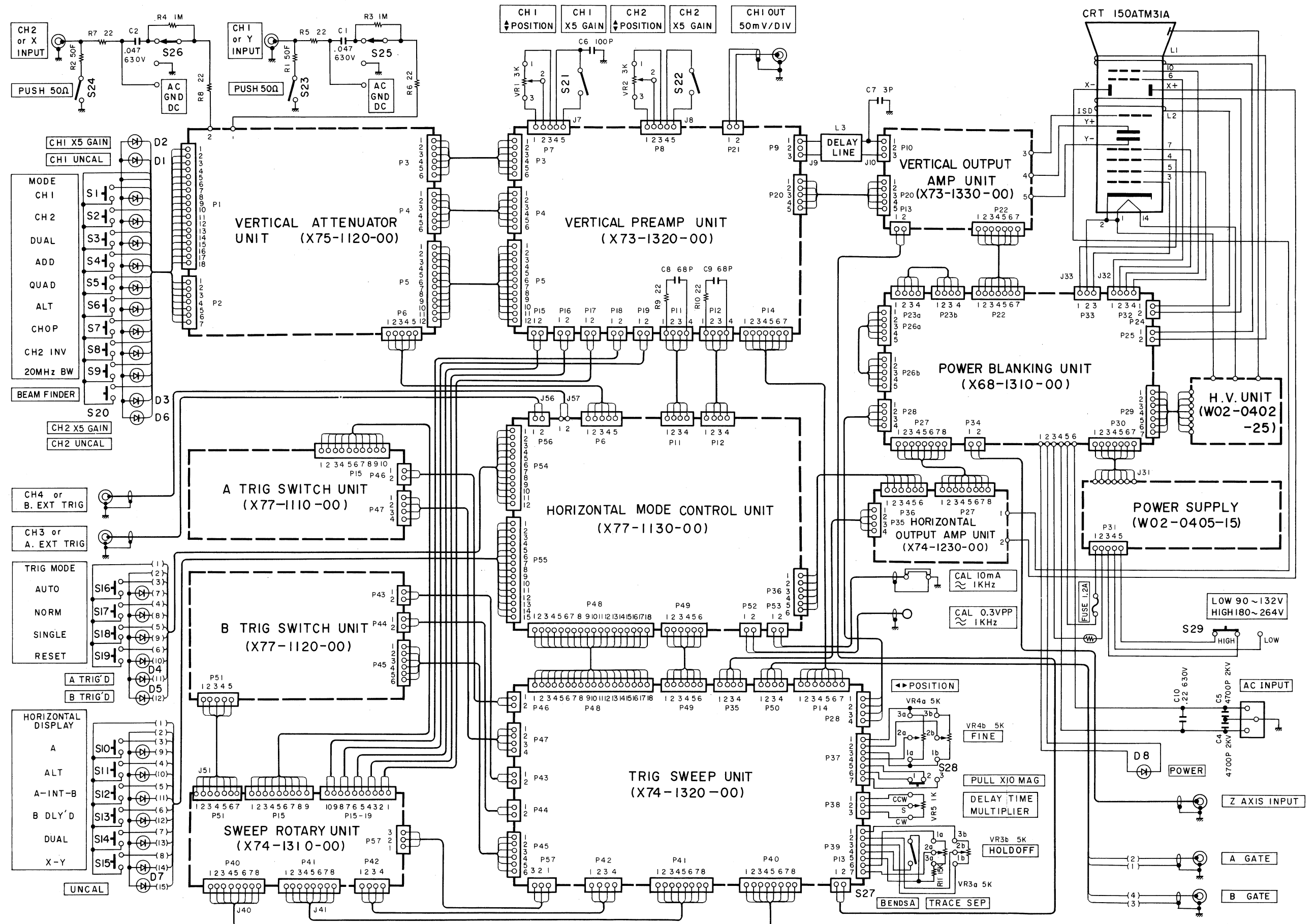
IC1 : CA3102E Q5,6 : 2SA1161
 Q1,3,4 : 2SC1215TorS DI : WZ-081
 Q2 : DNI901
 Q7 : 2SC2499

POWER BLANKING UNIT (X68-1310-00)

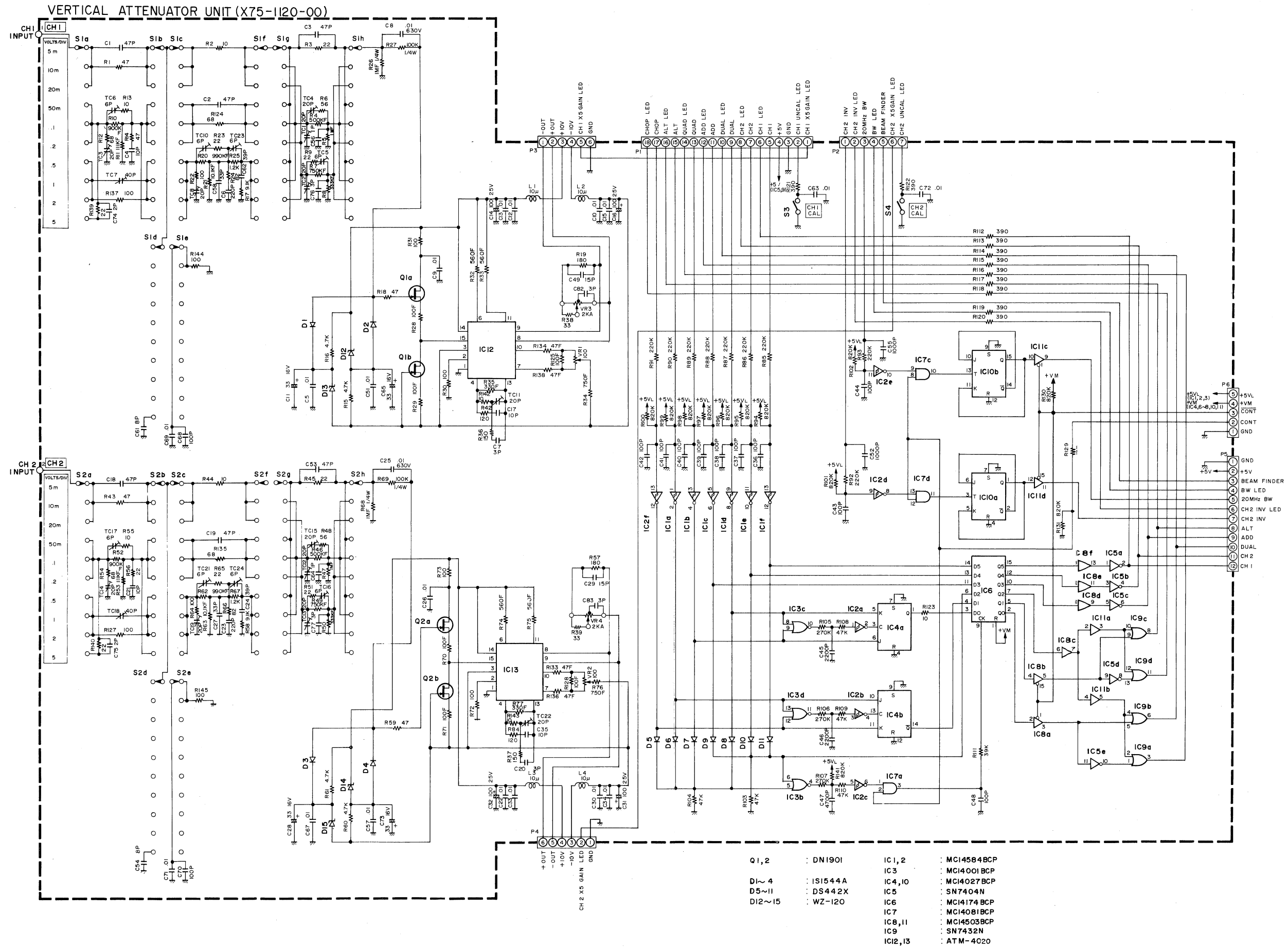


POWER SUPPLY (W02-0405-15)

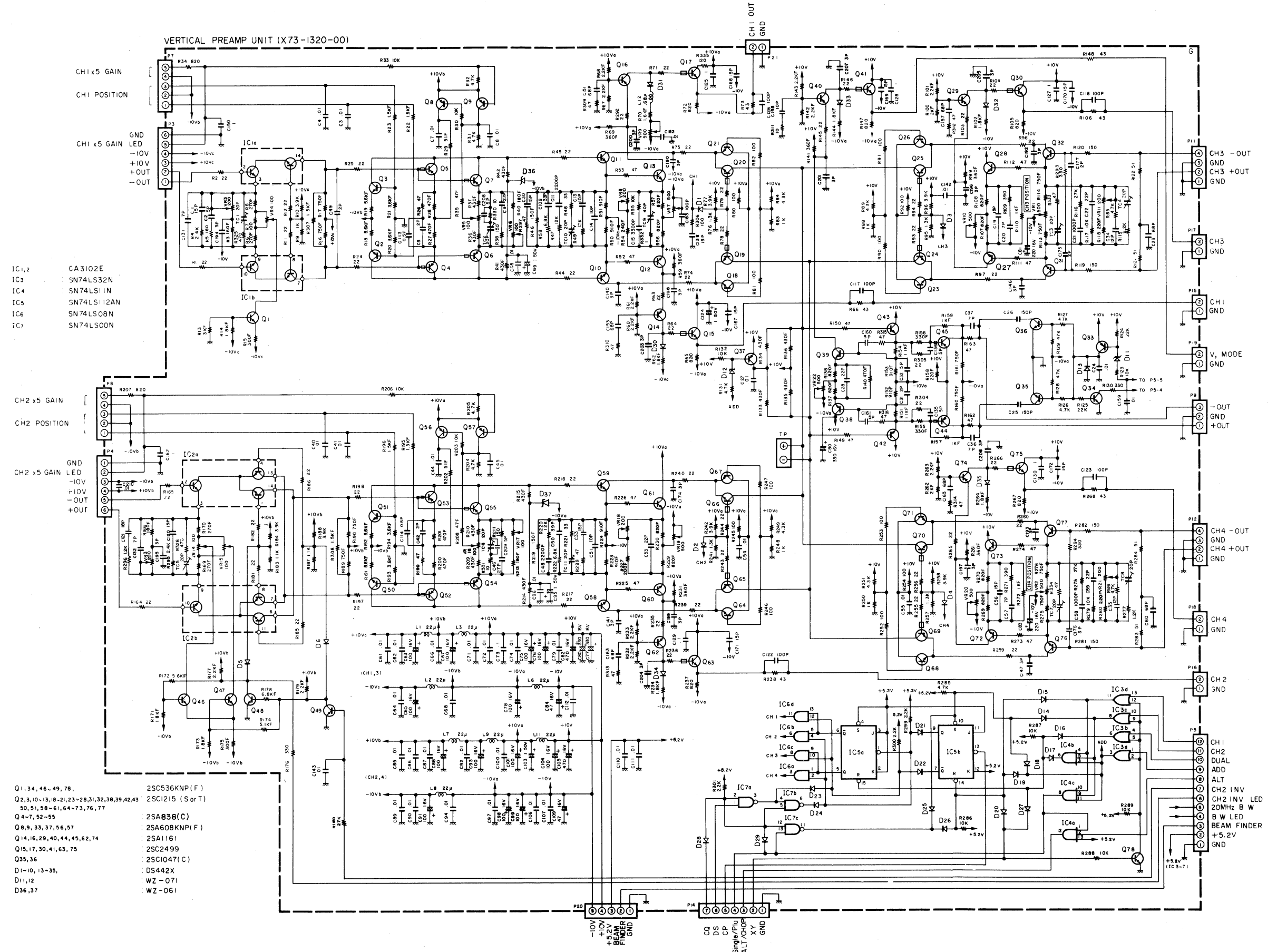




VERTICAL ATTENUATOR UNIT (X75-1120-00)

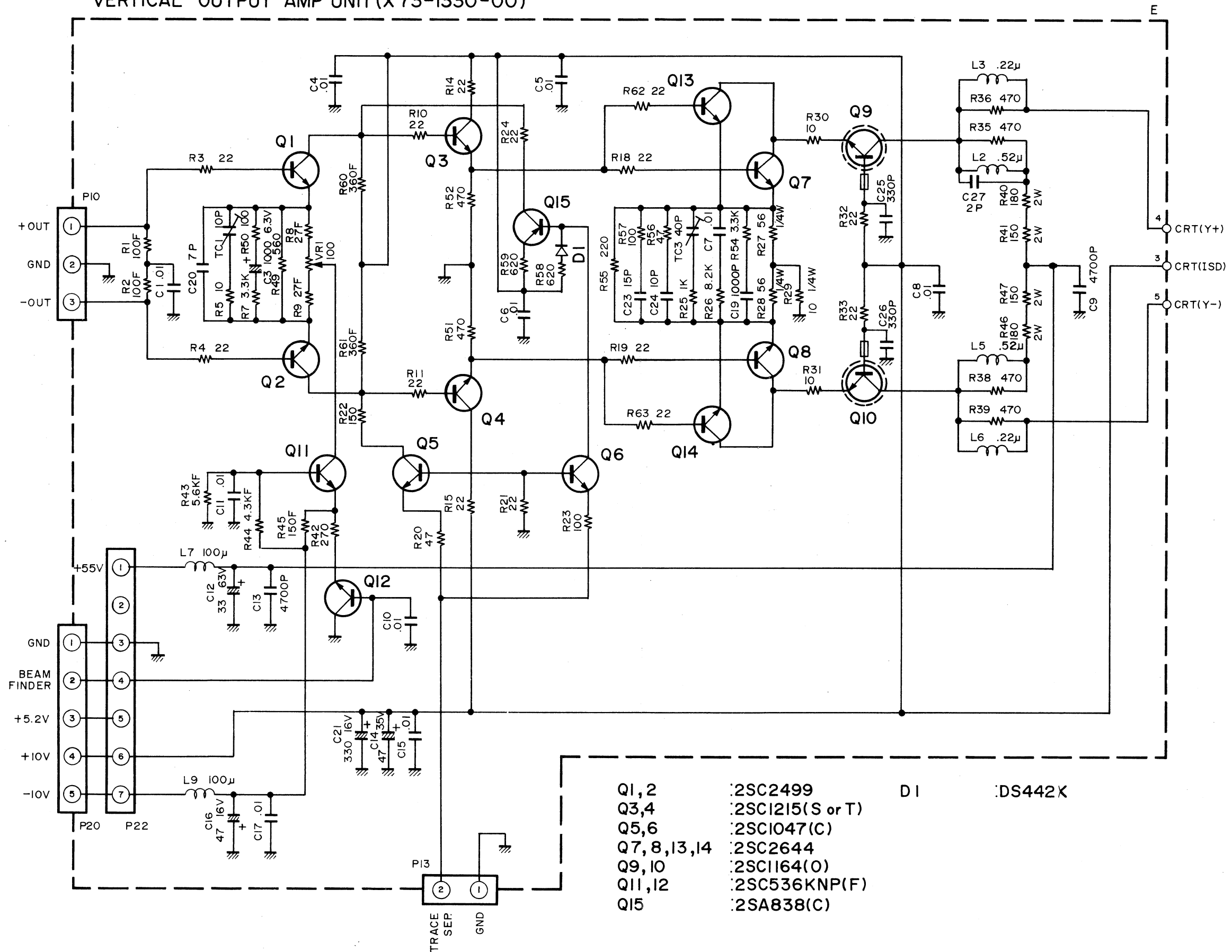


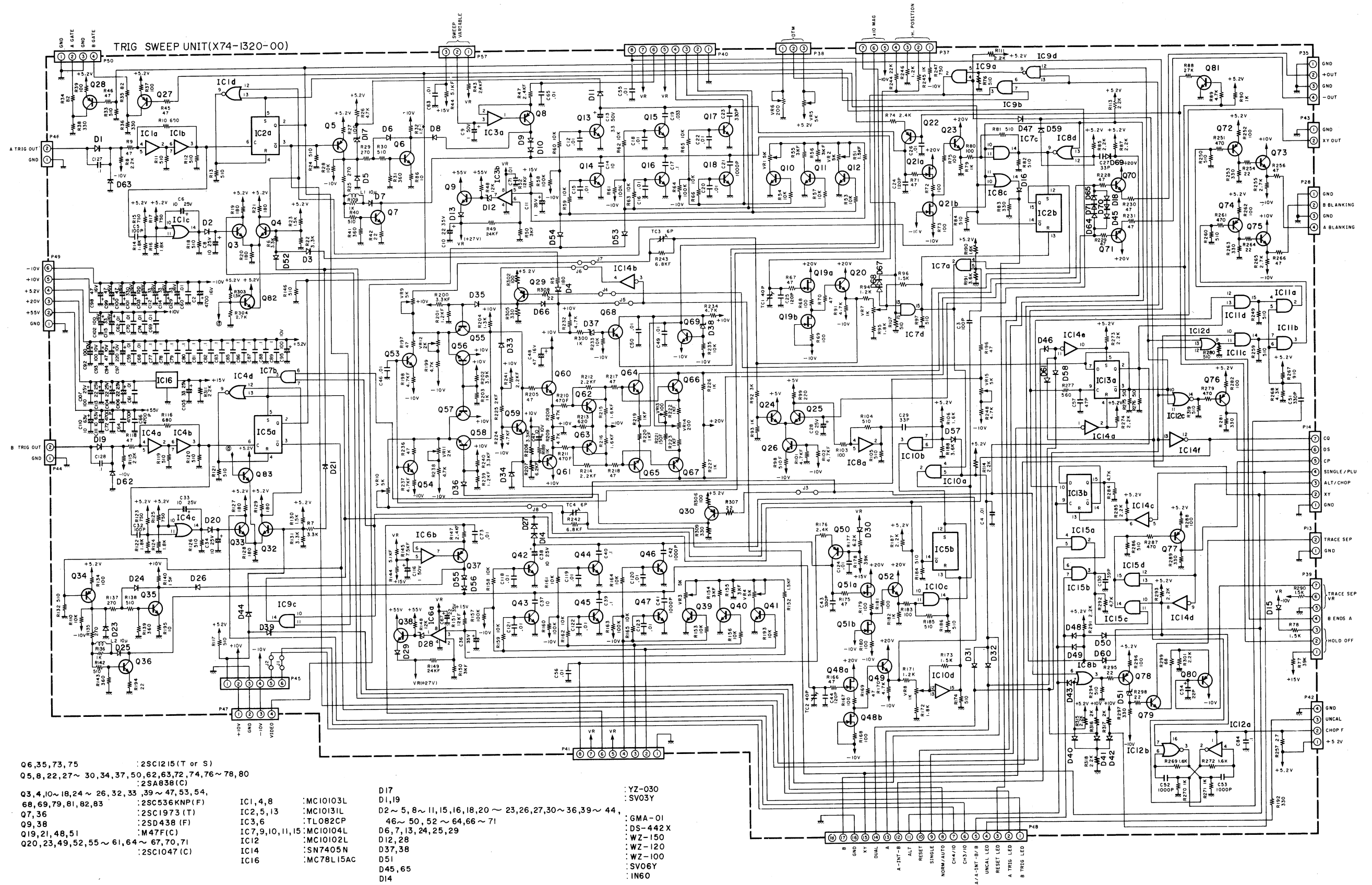
VERTICAL PREAMP UNIT (X73-1320-00)



VERTICAL OUTPUT AMP UNIT (X73-1330-00)

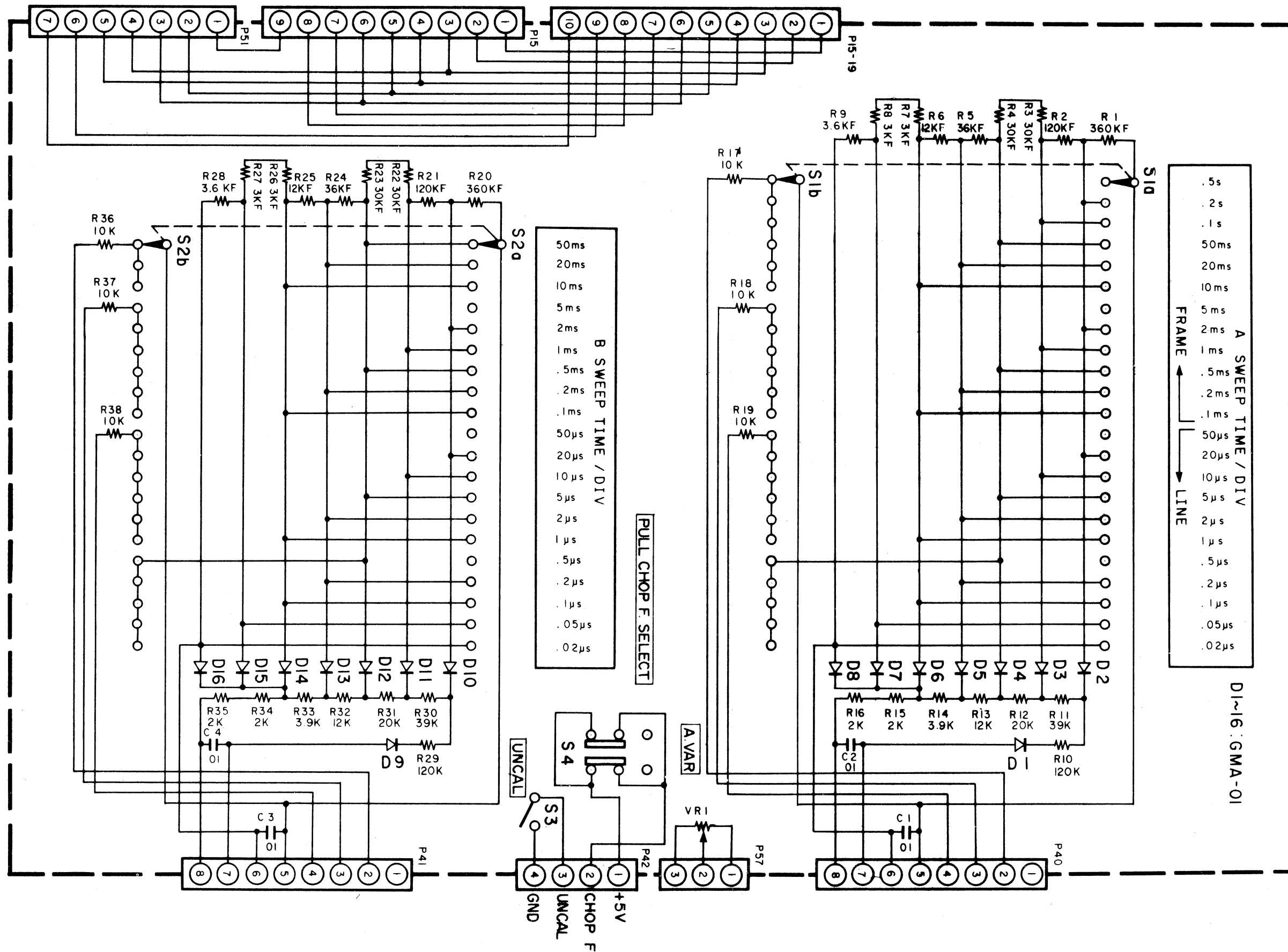
VERTICAL OUTPUT AMP UNIT(X 73-1330-00)



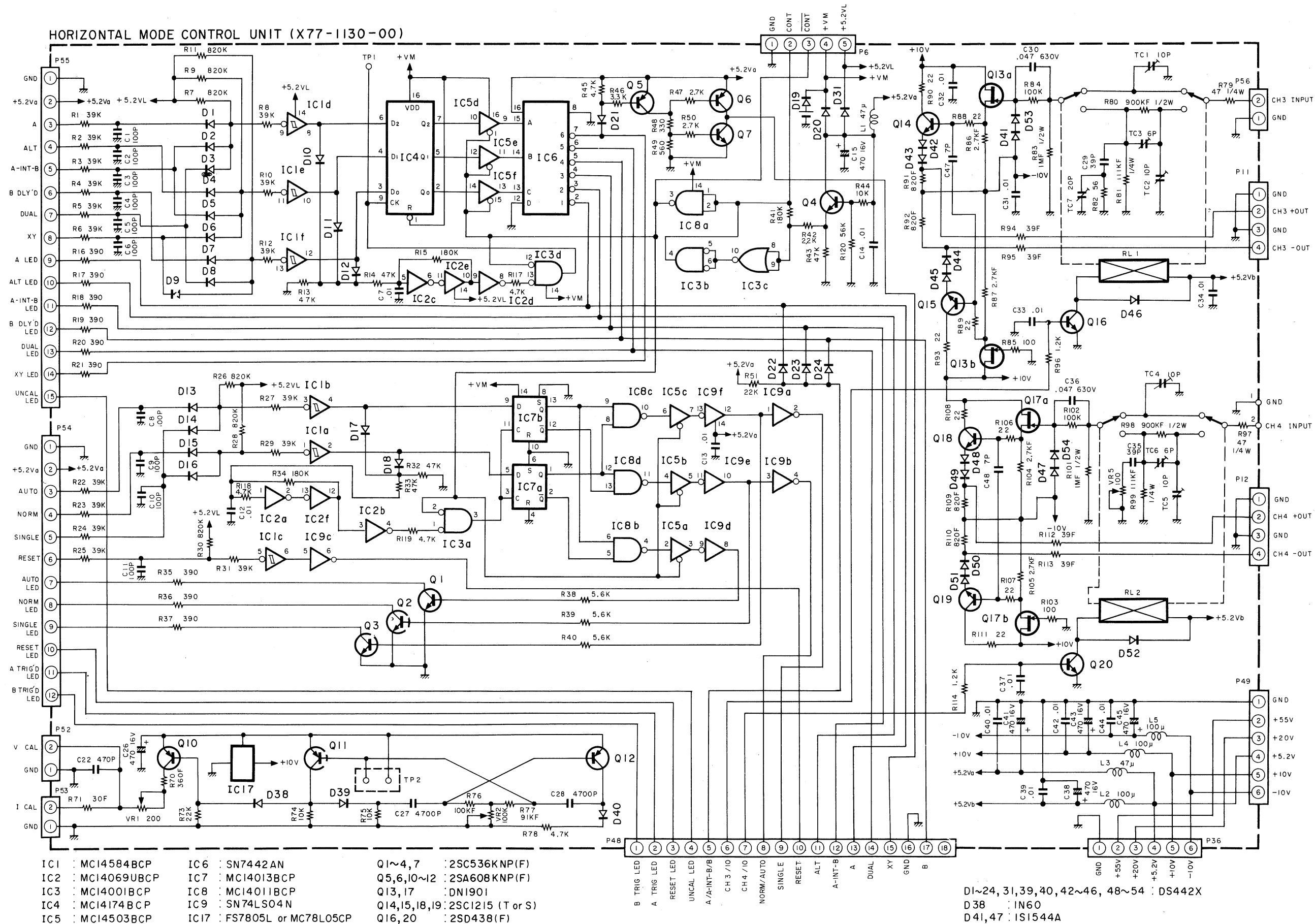


SWEEP ROTARY UNIT (X74-1310-00)

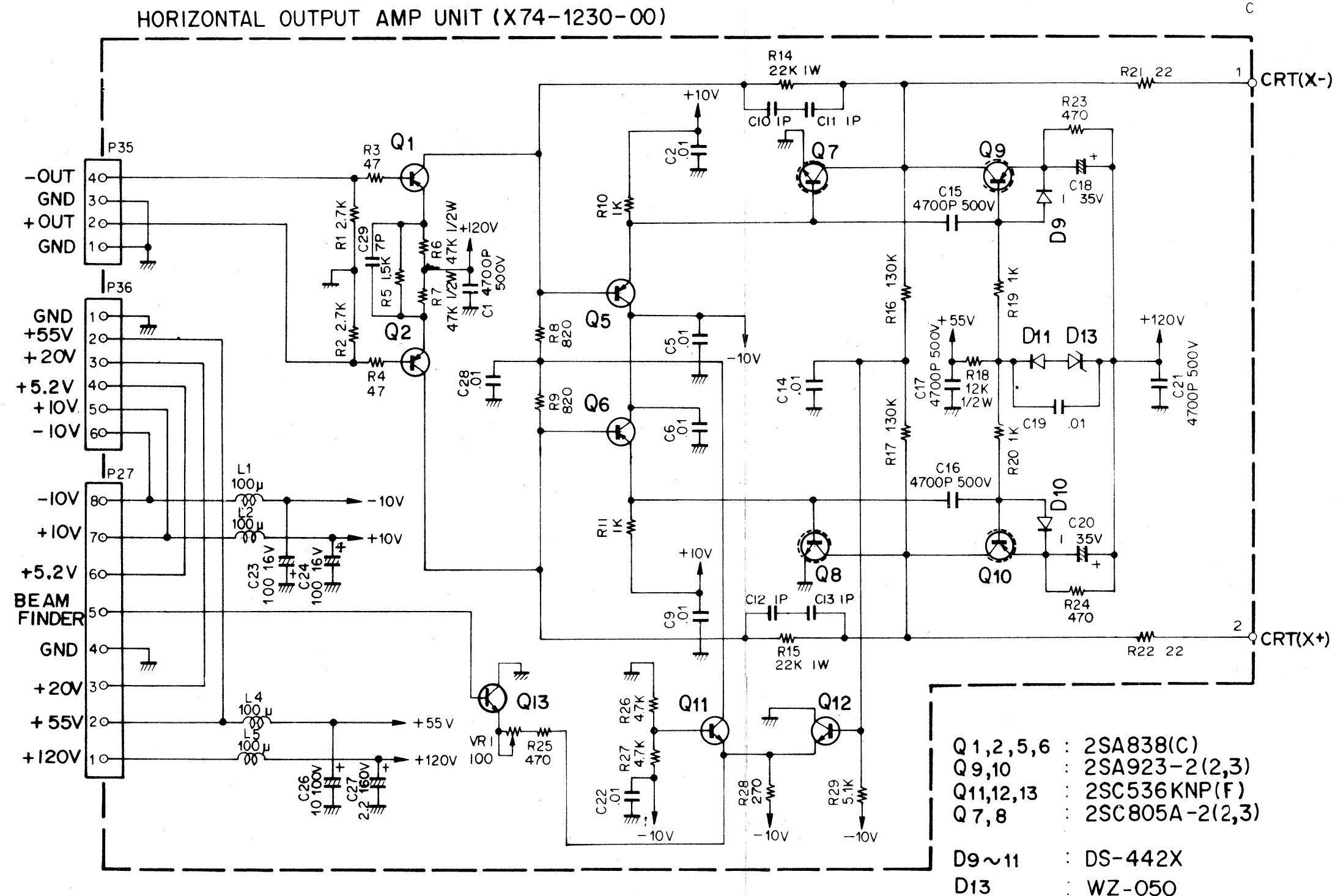
SWEEP ROTARY UNIT (X74-1310-00)



HORIZONTAL MODE CONTROL UNIT (X77-1130-00)

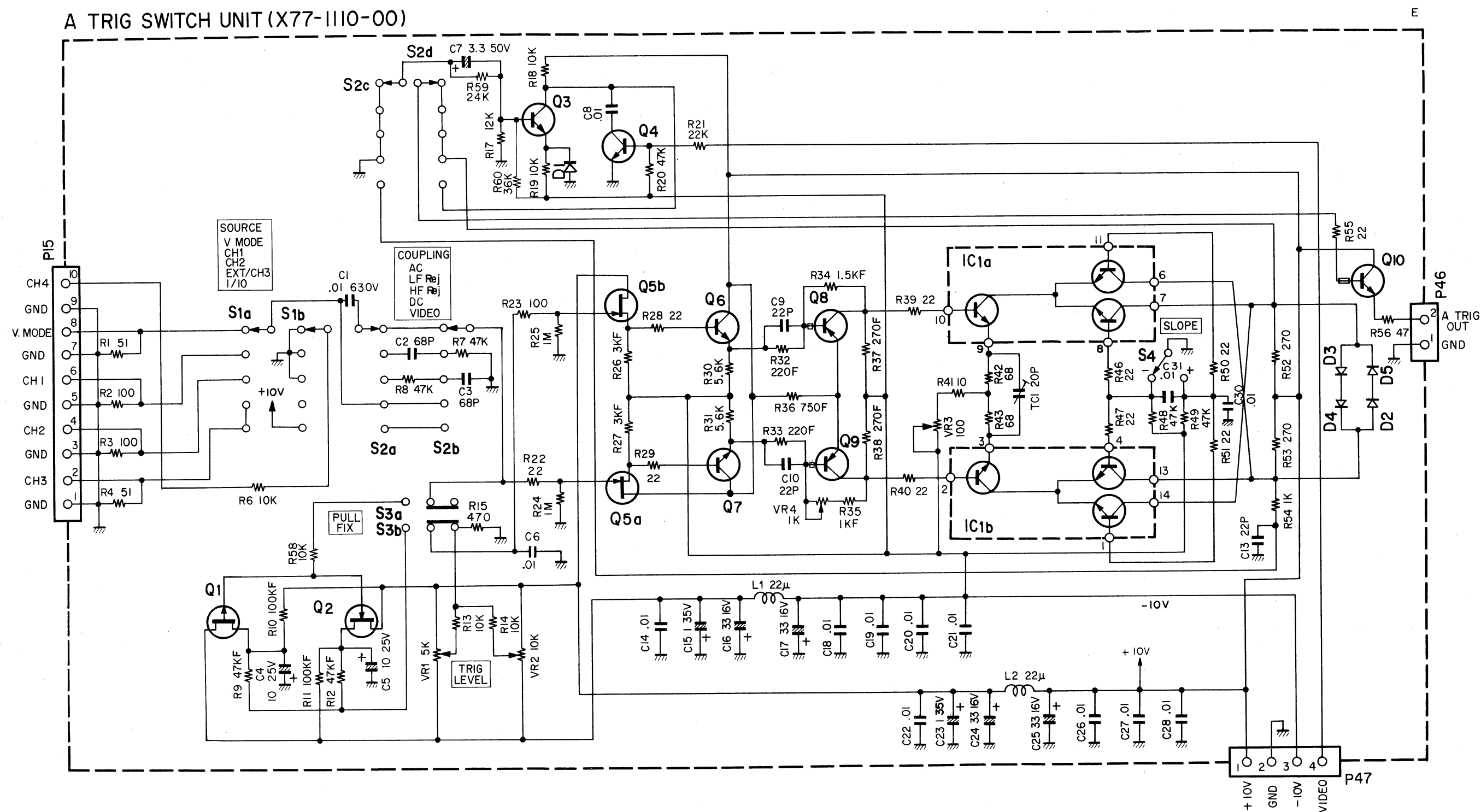


HORIZONTAL OUTPUT AMP UNIT (X74-1230-00)



A TRIG SWITCH UNIT (X77-1110-00)

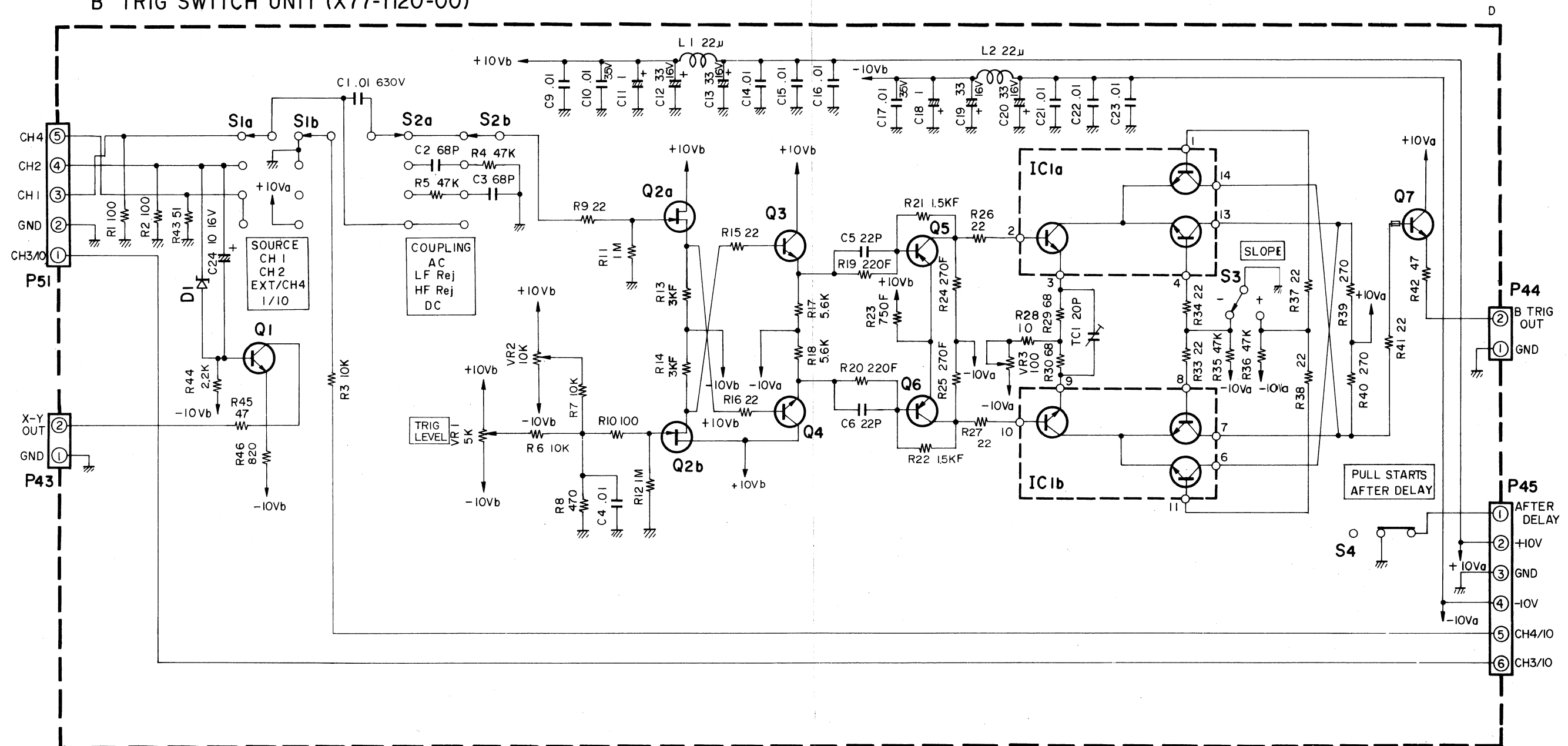
A TRIG SWITCH UNIT (X77-1110-00)



- IC1 : CA3102E
- Q1 : 2SJ43(Q)
- Q3,4 : 2SC536KNP(F)
- Q5 : DN190I
- Q6,7 : 2SC1215(T or S)
- Q8,9 : 2SA116I
- Q2 : 2SK127(Q)
- Q10 : 2SC2499
- D1~5: DS442X

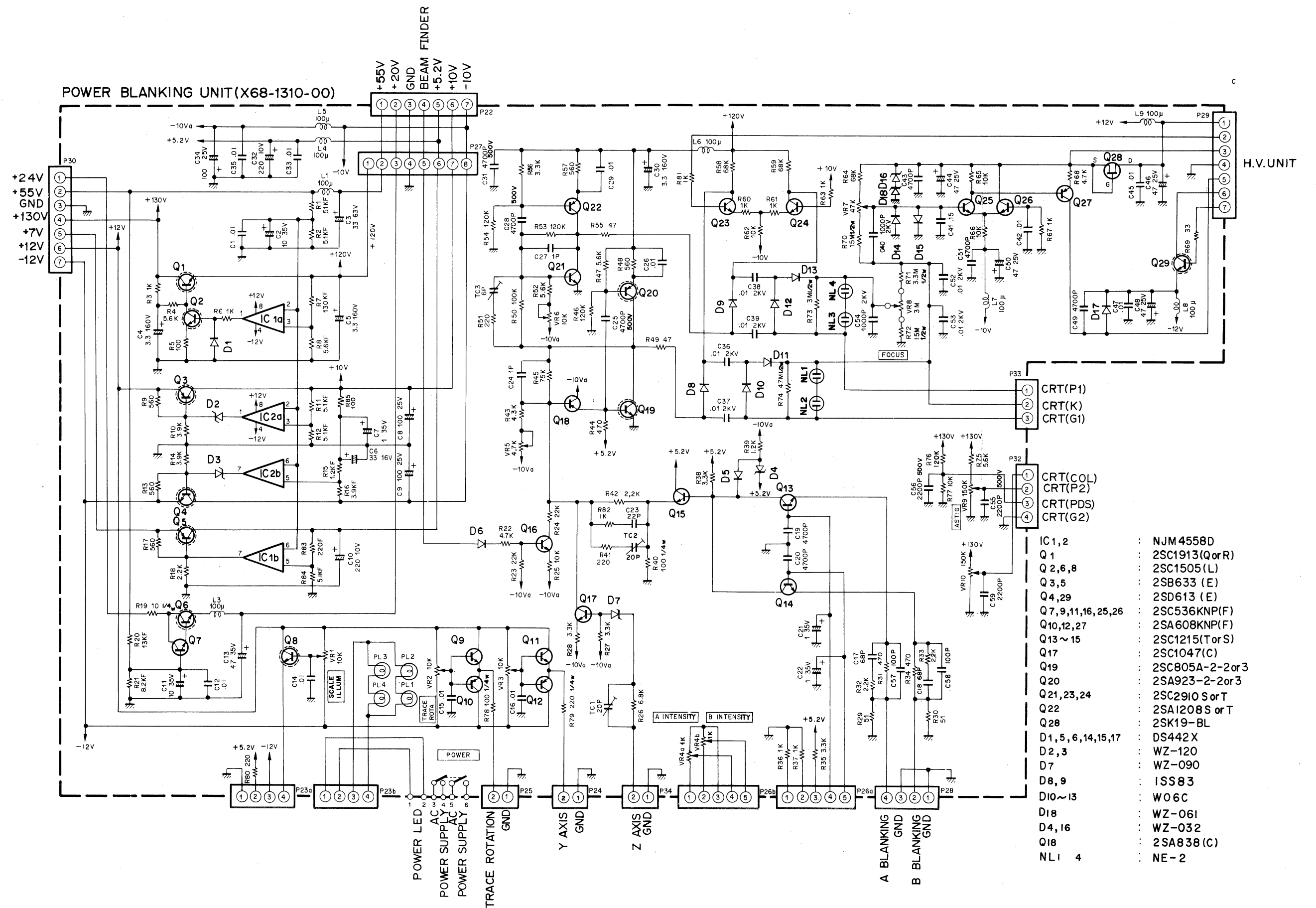
B TRIG SWITCH UNIT (X77-1120-00)

B TRIG SWITCH UNIT (X77-1120-00)



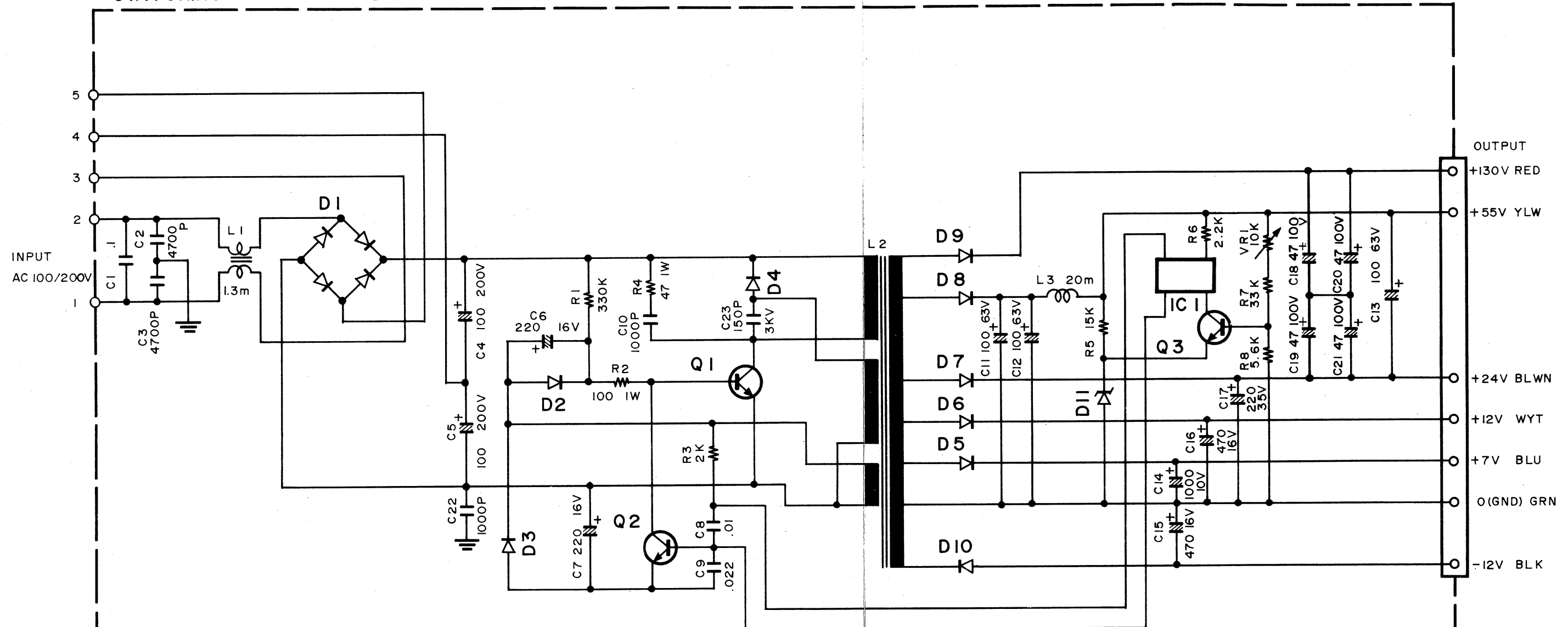
IC1 : CA3102E Q5,6 : 2SA1161
 Q1,3,4 : 2SC1215TorS D1 : WZ-081
 Q2 : 2N1901
 Q7 : 2SC2499

POWER BLANKING UNIT (X68-1310-00)



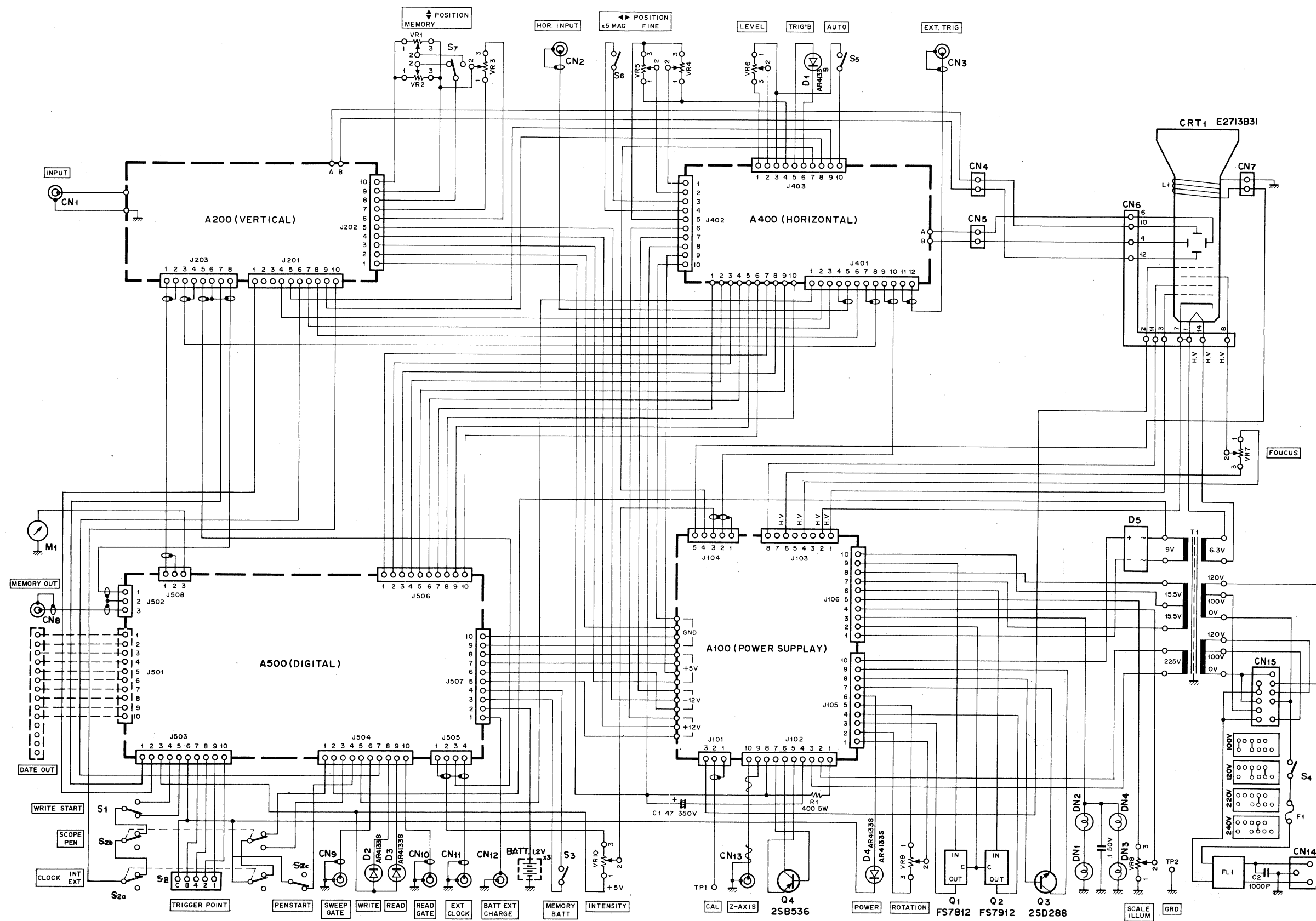
POWER SUPPLY (W02-0405-15)

SWITCHING POWER SUPPLY(W02-0405-15)

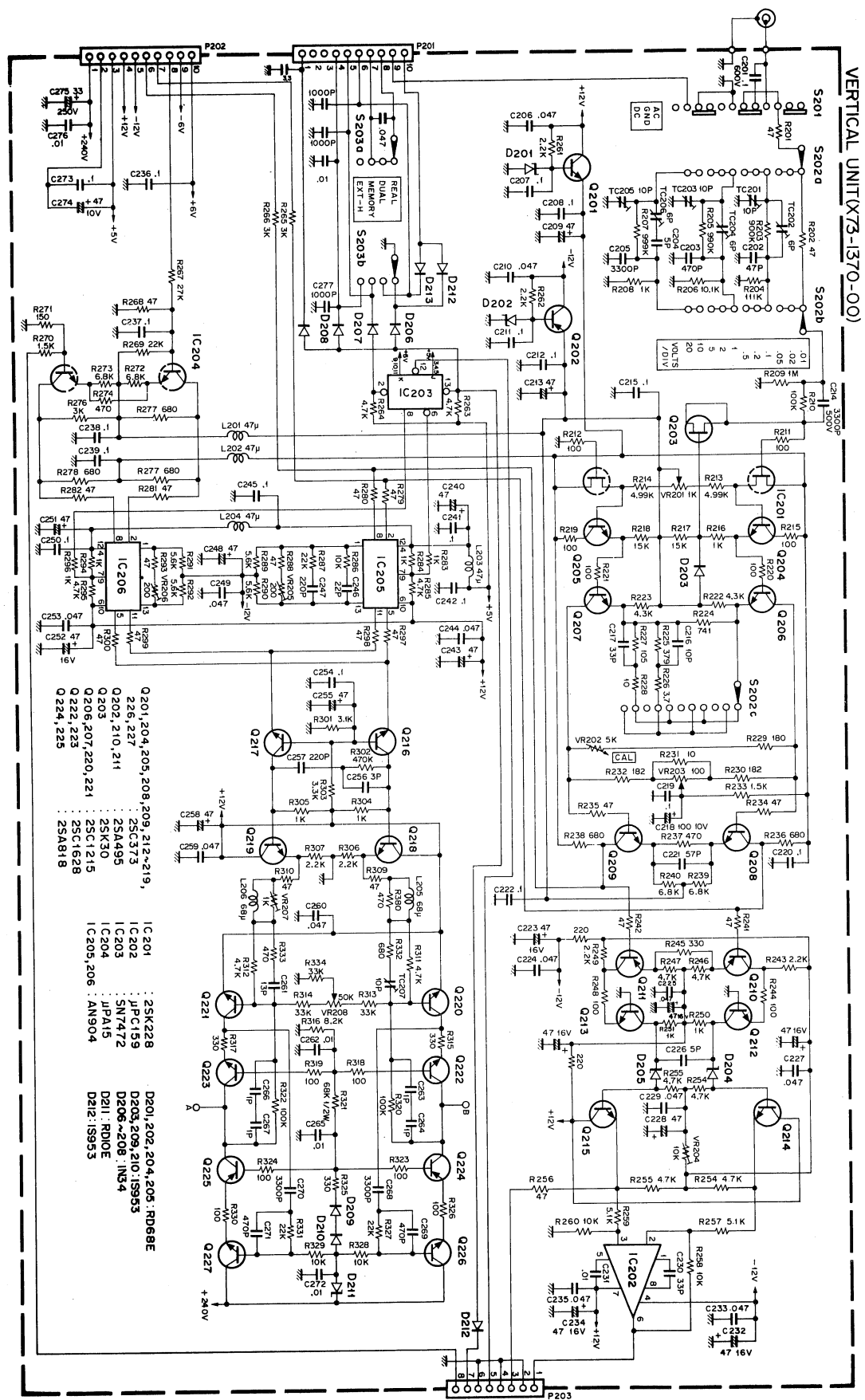


Q 1 : 2SC1308K
Q 2 : 2SC2274(E)
Q 3 : 2SC2363(E)
IC 1 : PC714U

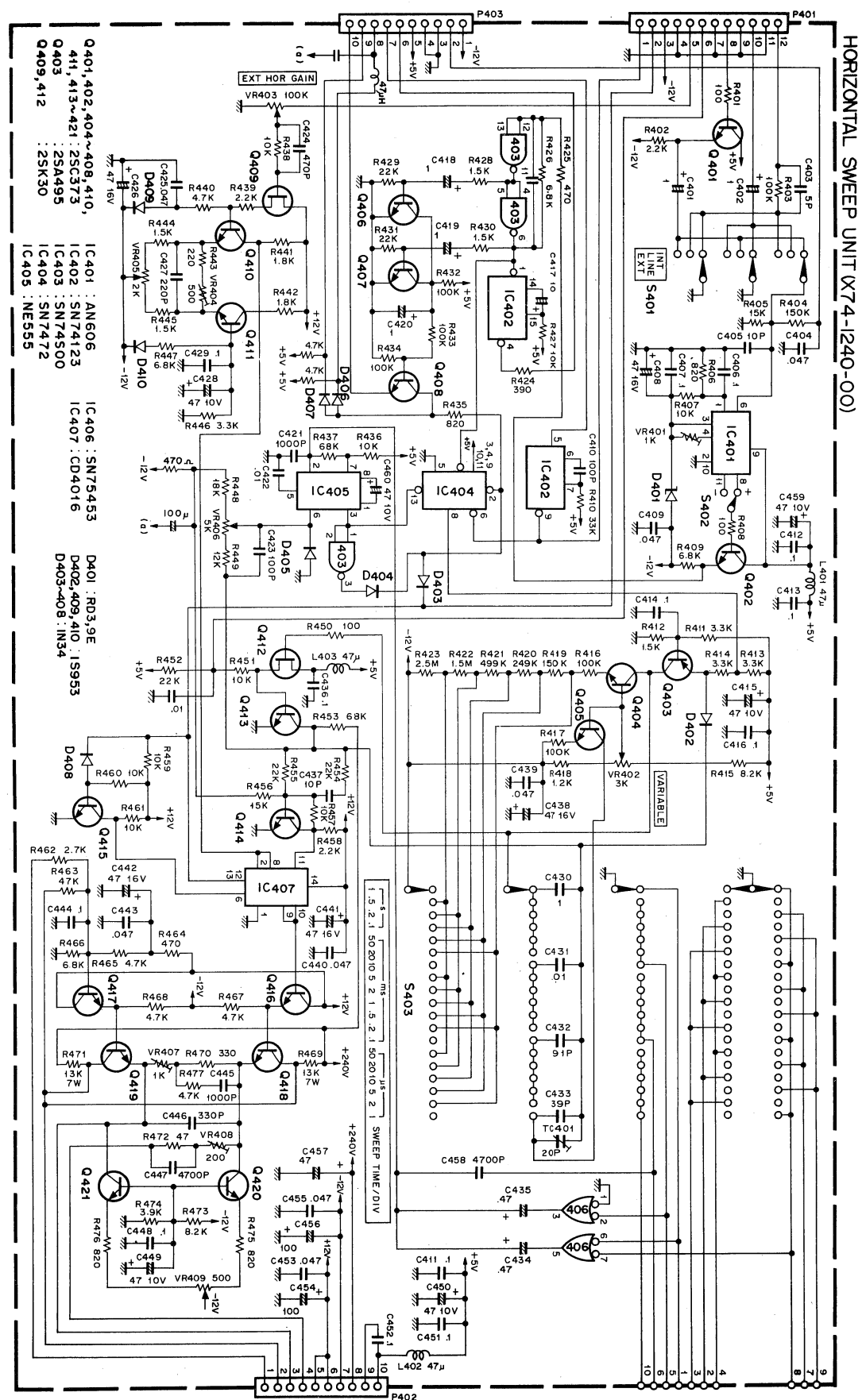
D 1 : DBA20G
D 2,3 : DFA01C
D 4 : ERC25-06
D 5,6,10 : S5KC20
D 7~9 : ERC25-04
D 11 : GZA6.2Y



VERTICAL UNIT (X73-1370-00)

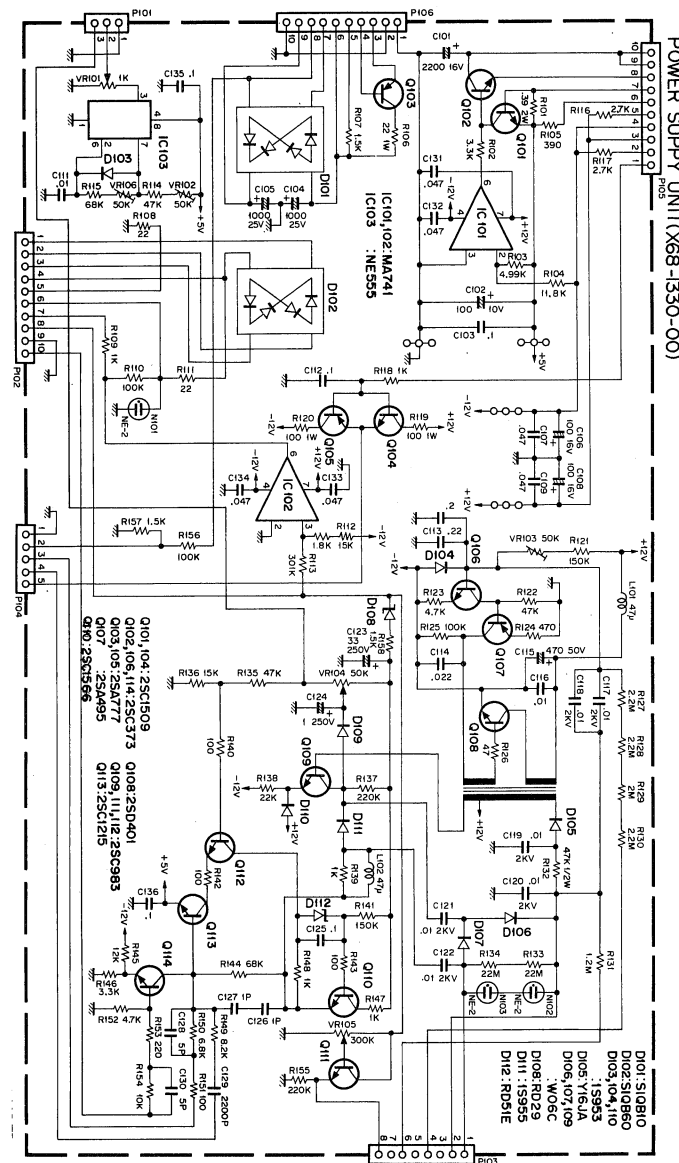


HORIZONTAL SWEEP UNIT (X74-1240-00)

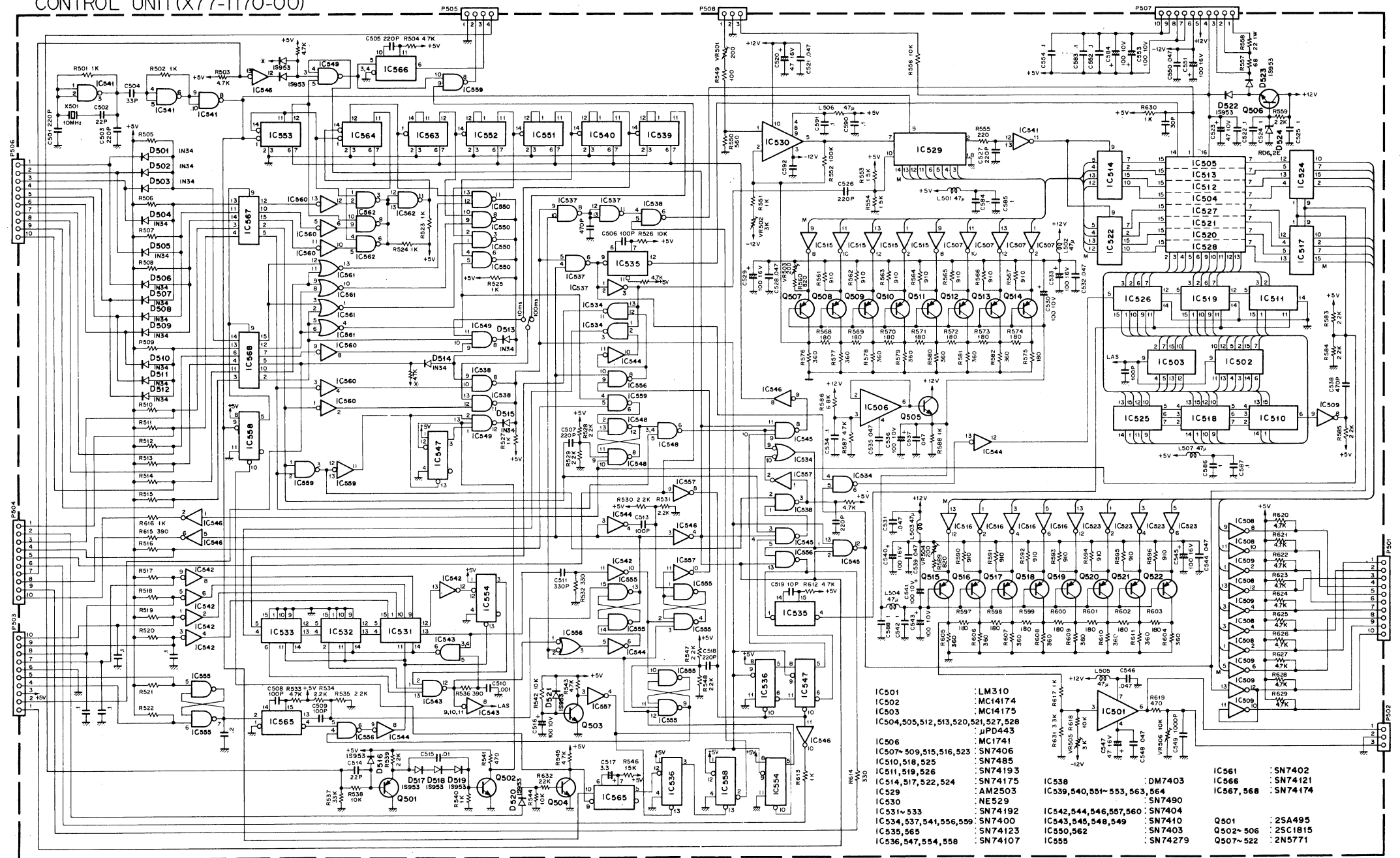


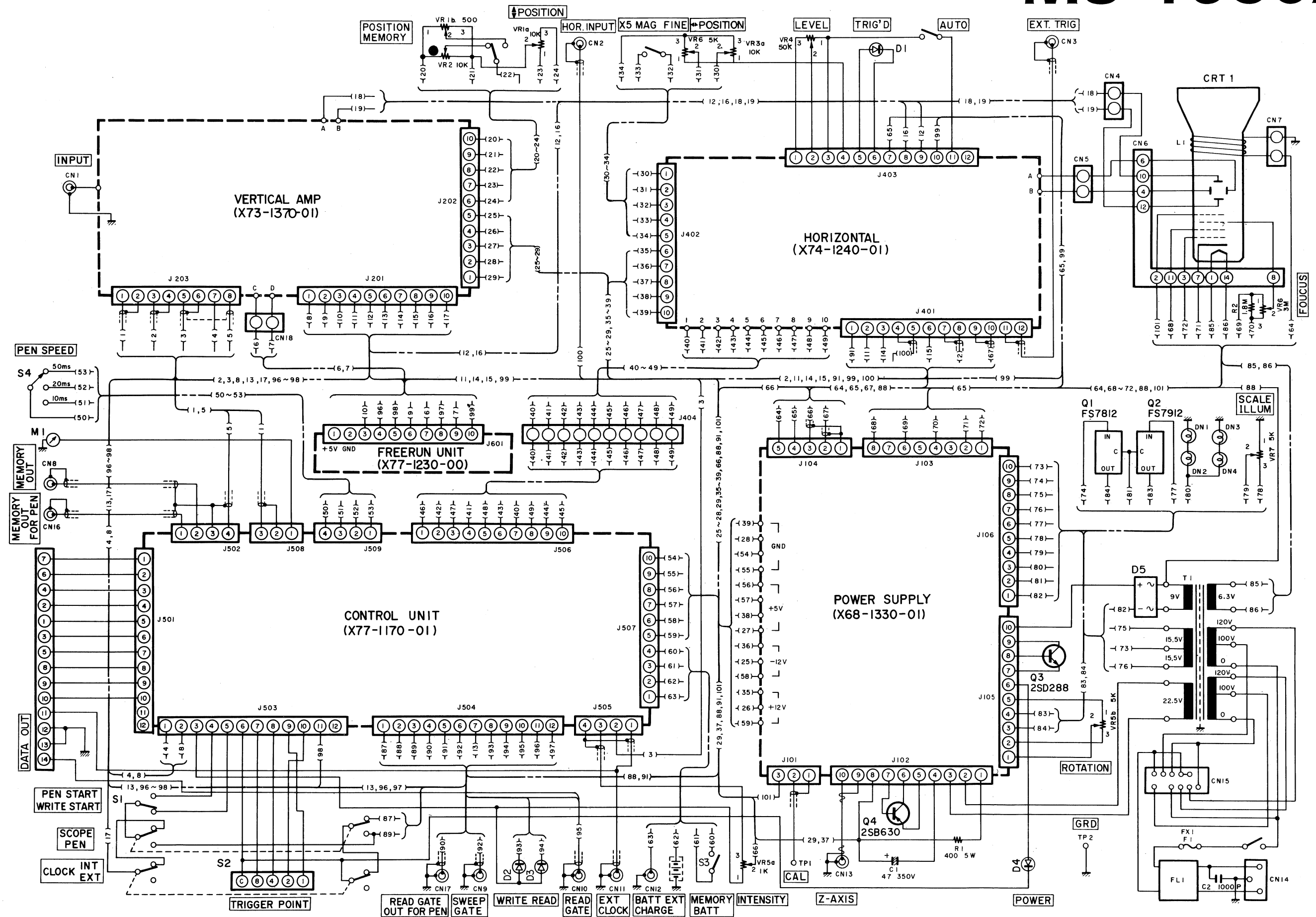
POWER SUPPLY UNIT (X68-1330-00)

CONTROL UNIT (X77-1170-00)

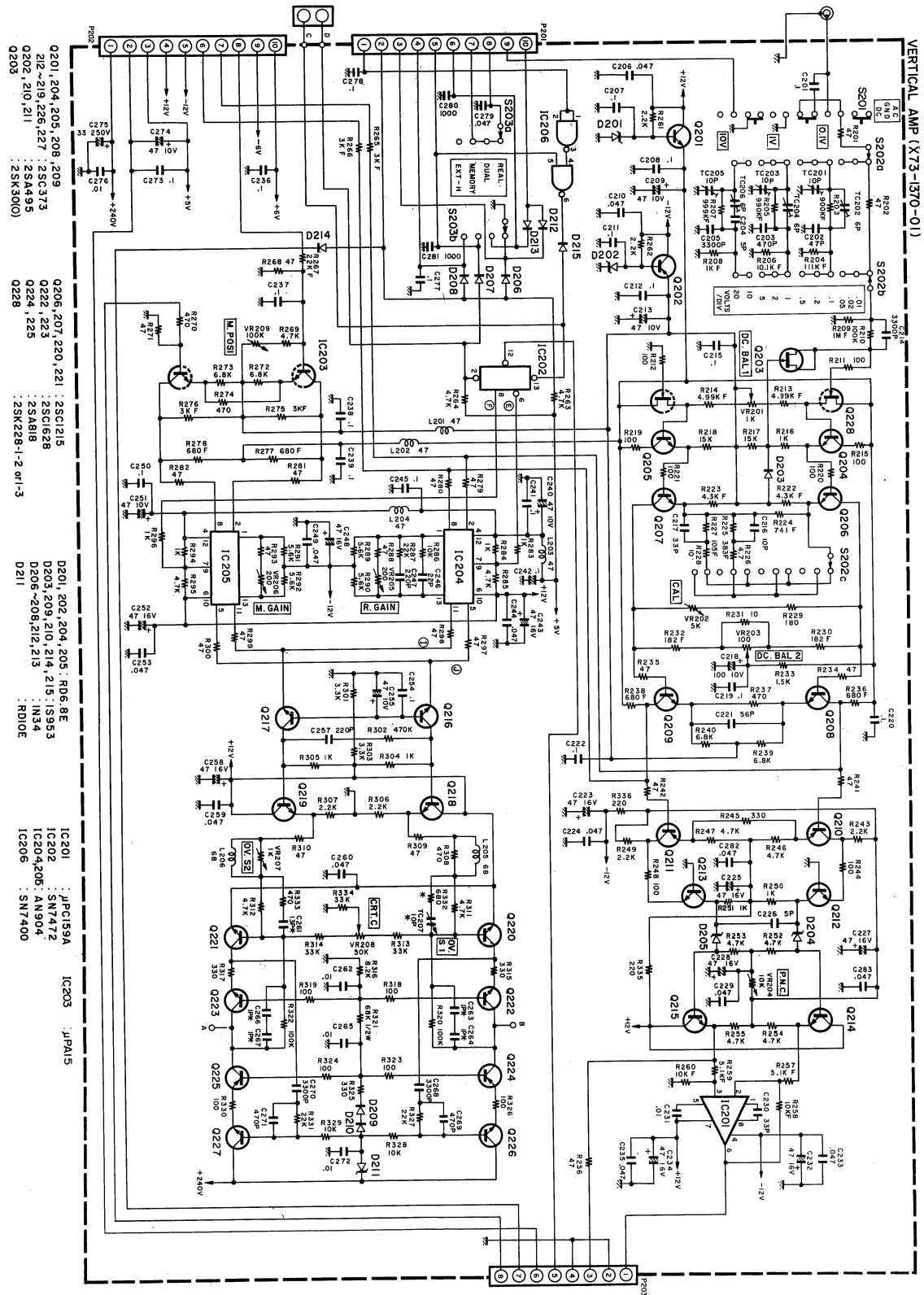


CONTROL UNIT (X77-1170-00)

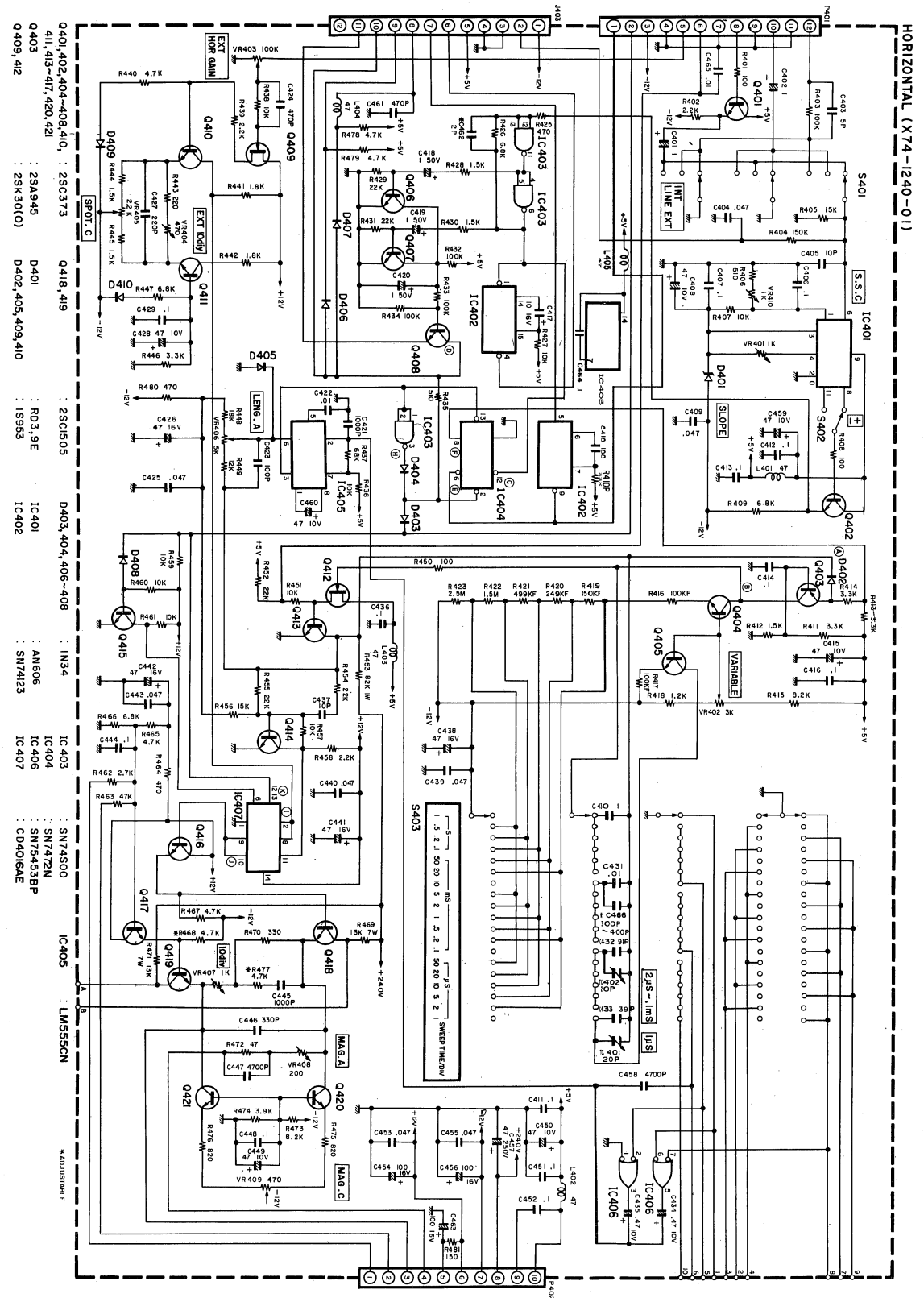




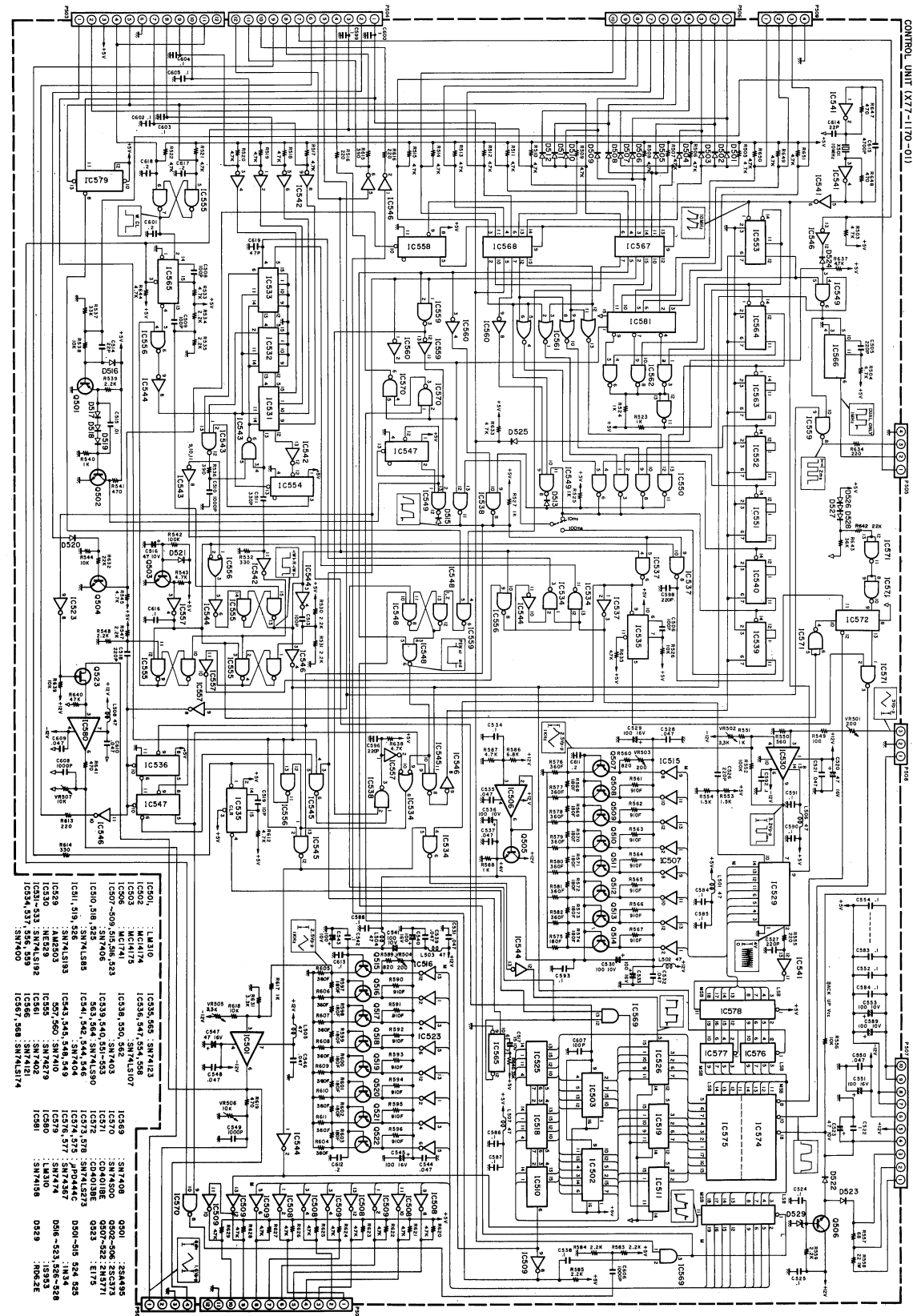
VERTICAL AMP (X73-1370-01)



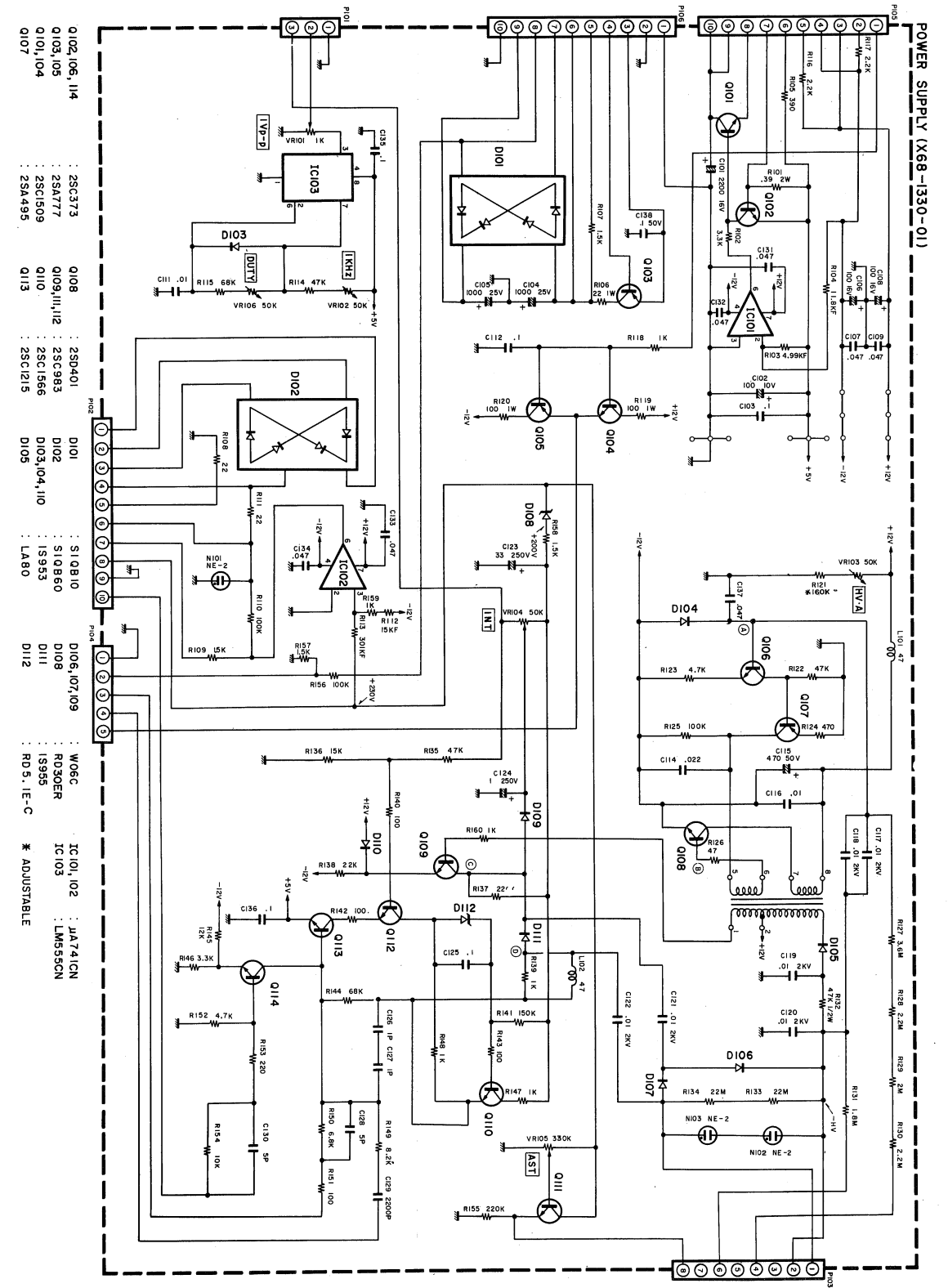
HORIZONTAL (X74-1240-01)

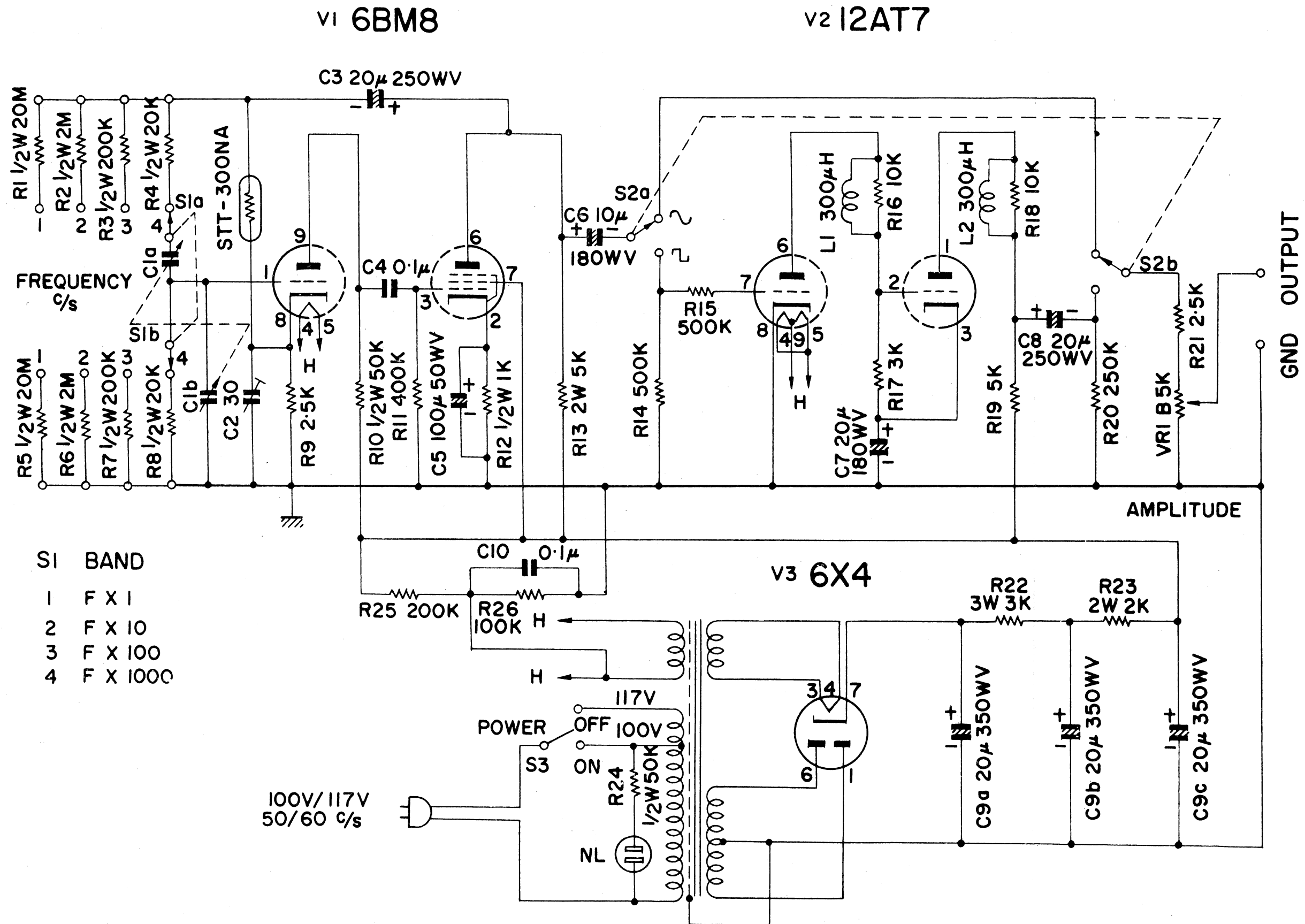


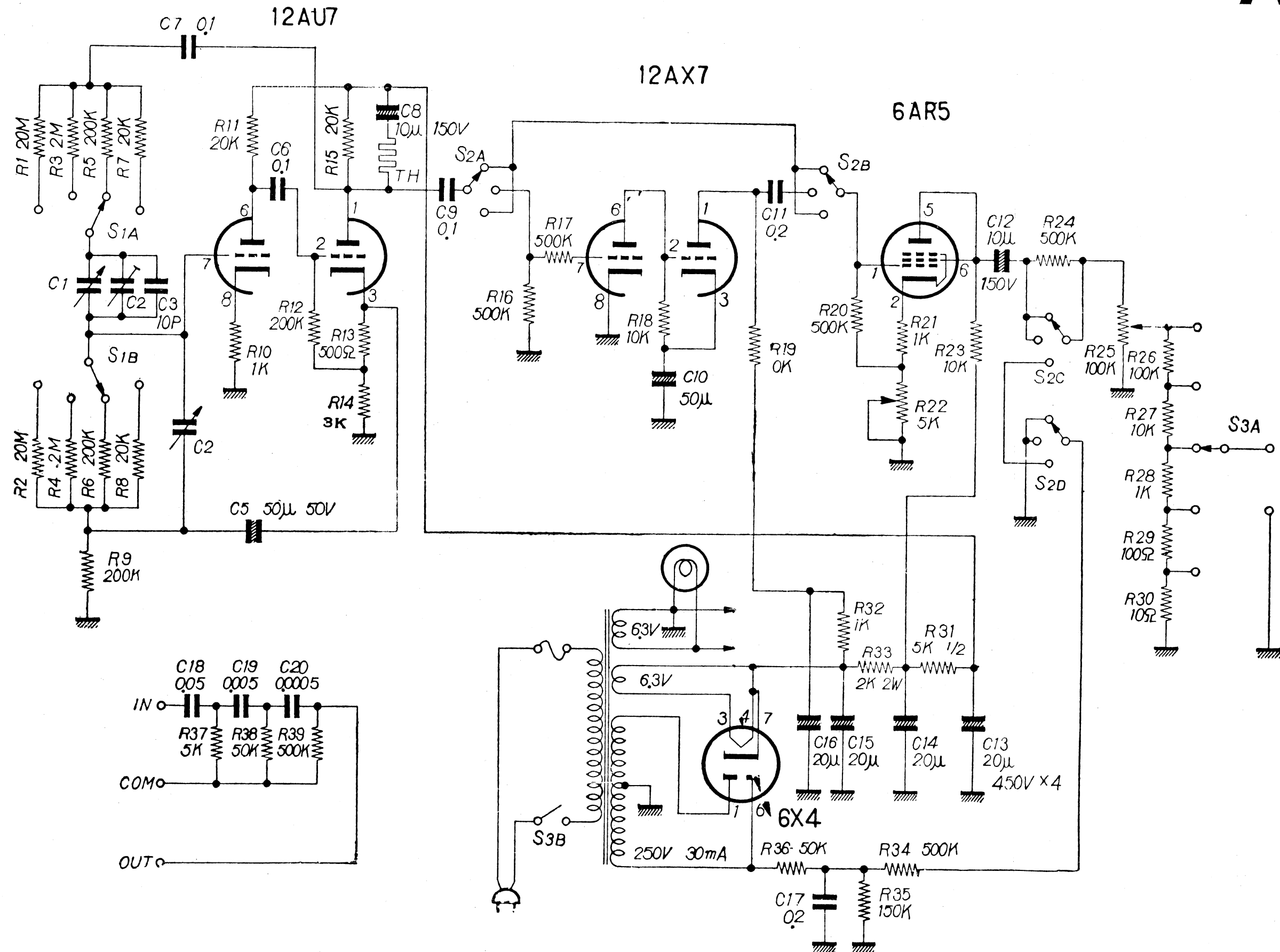
CONTROL UNIT (X77-1170-01)

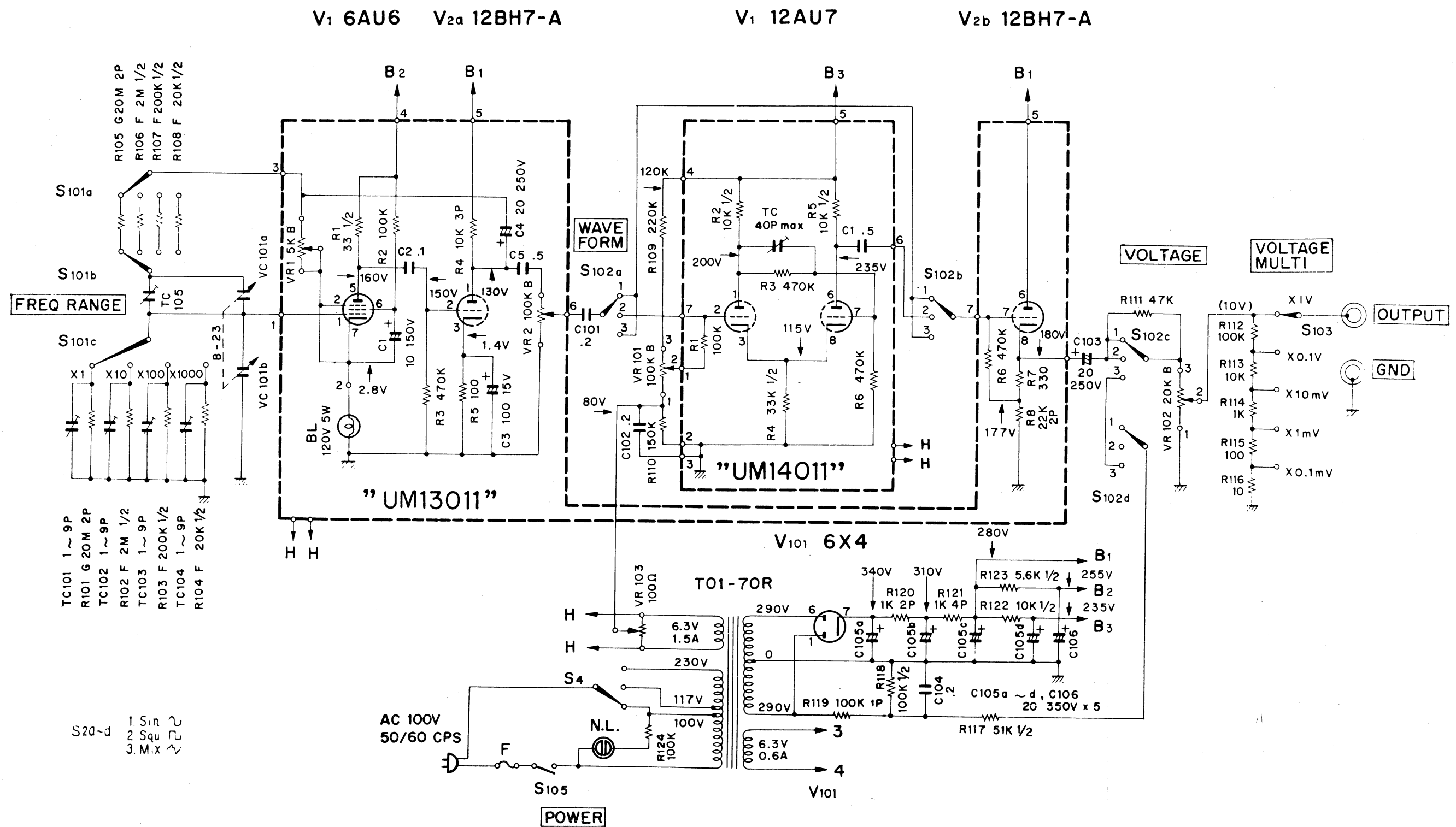


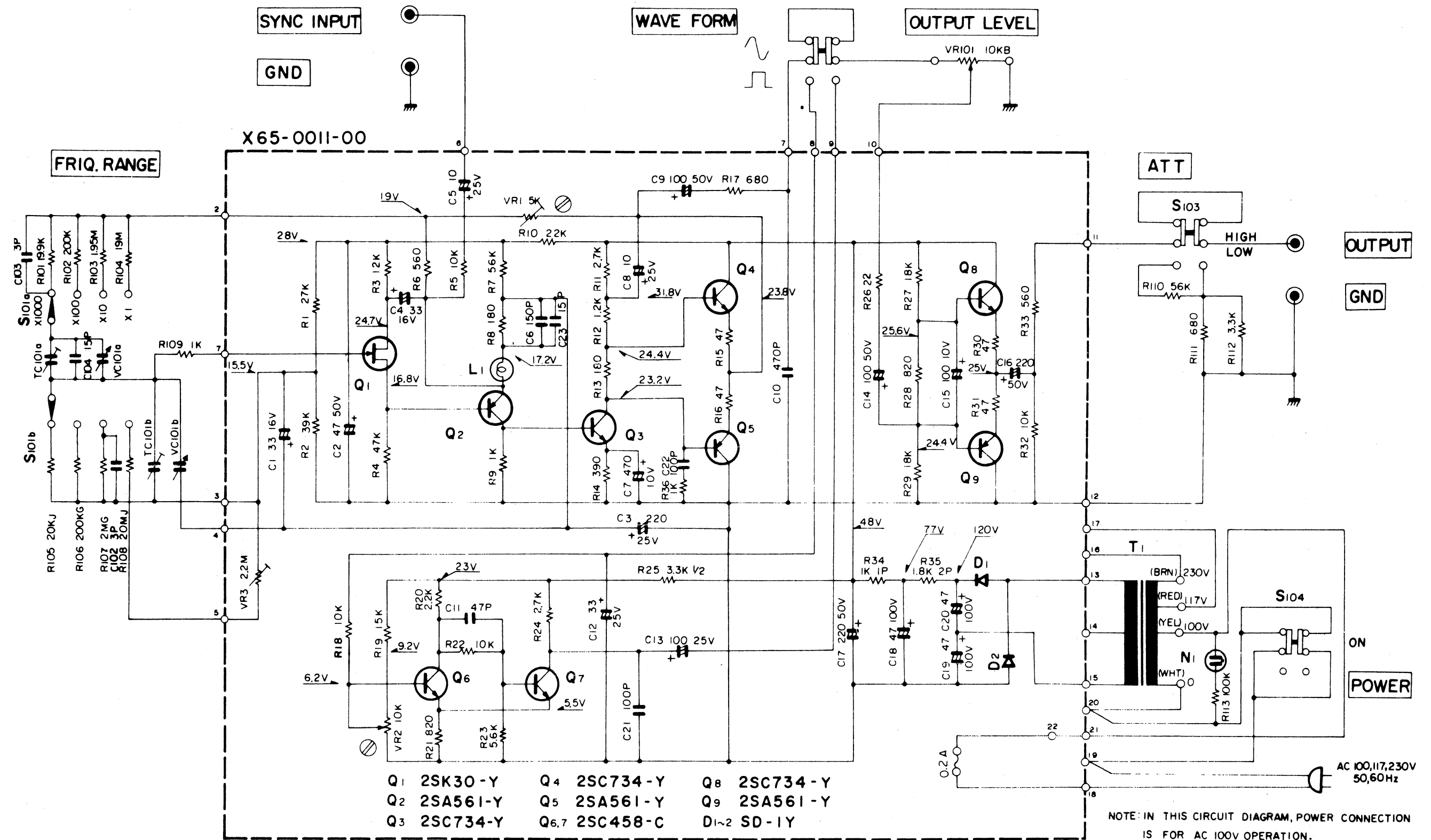
POWER SUPPLY (X68-1330-01)

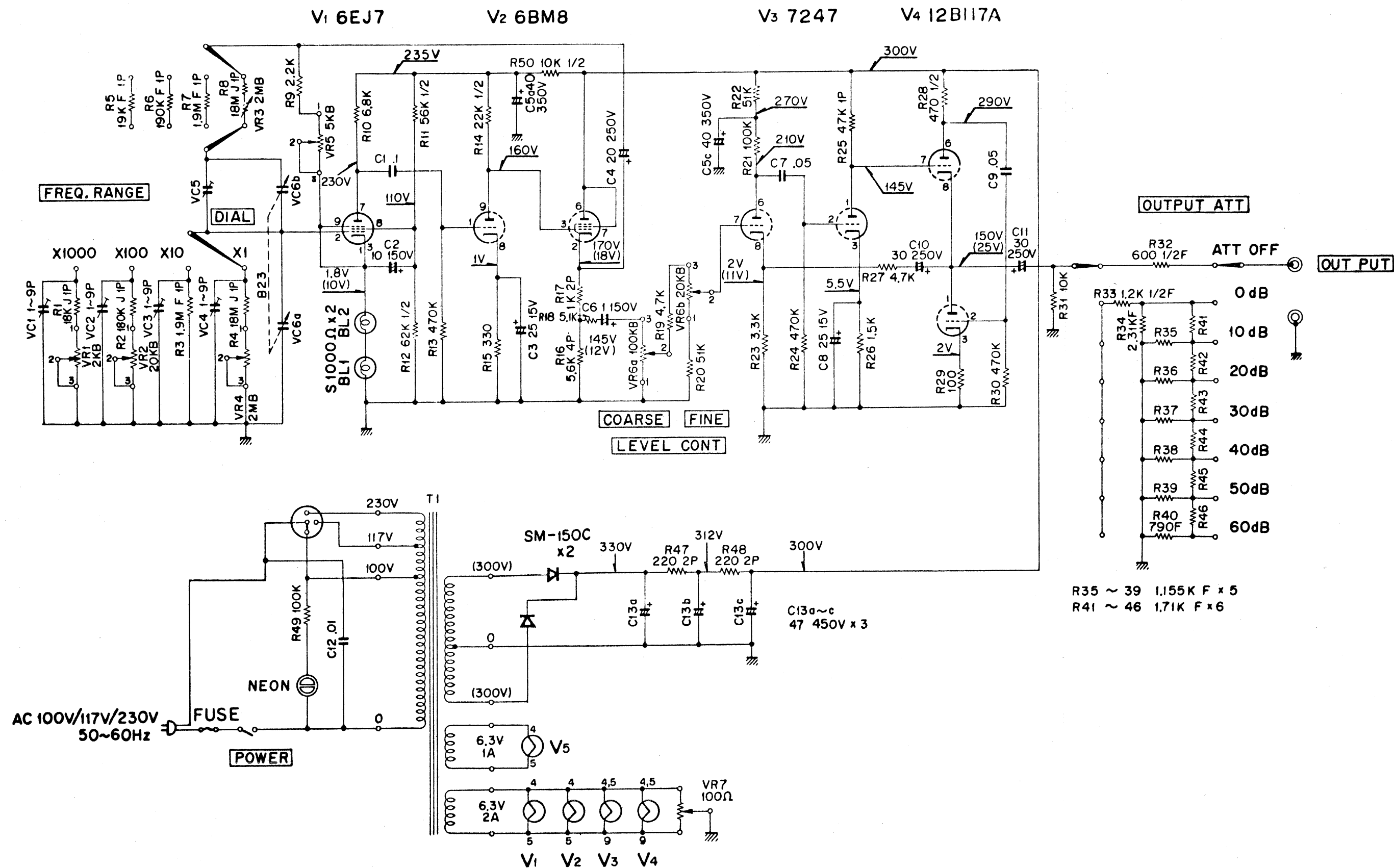


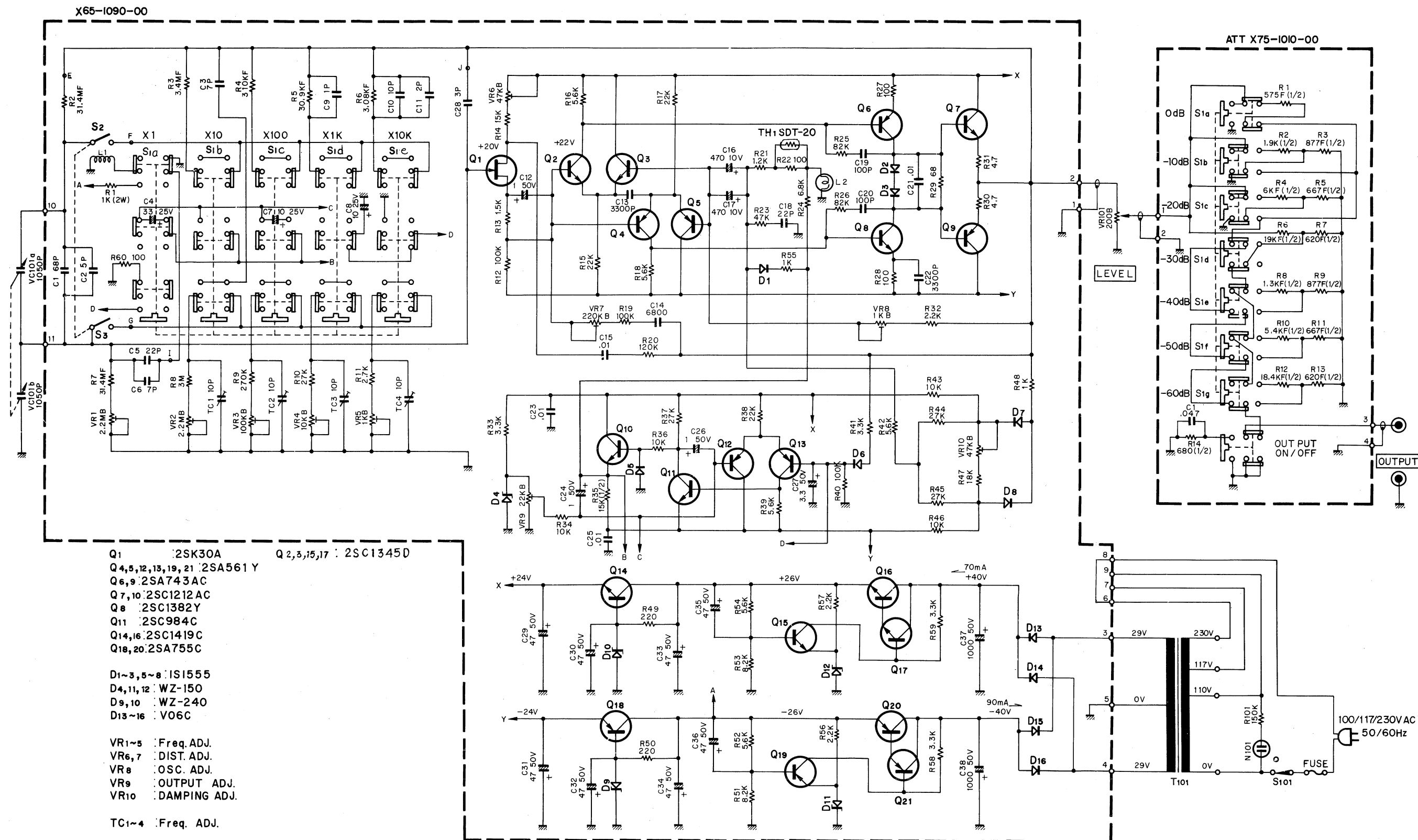


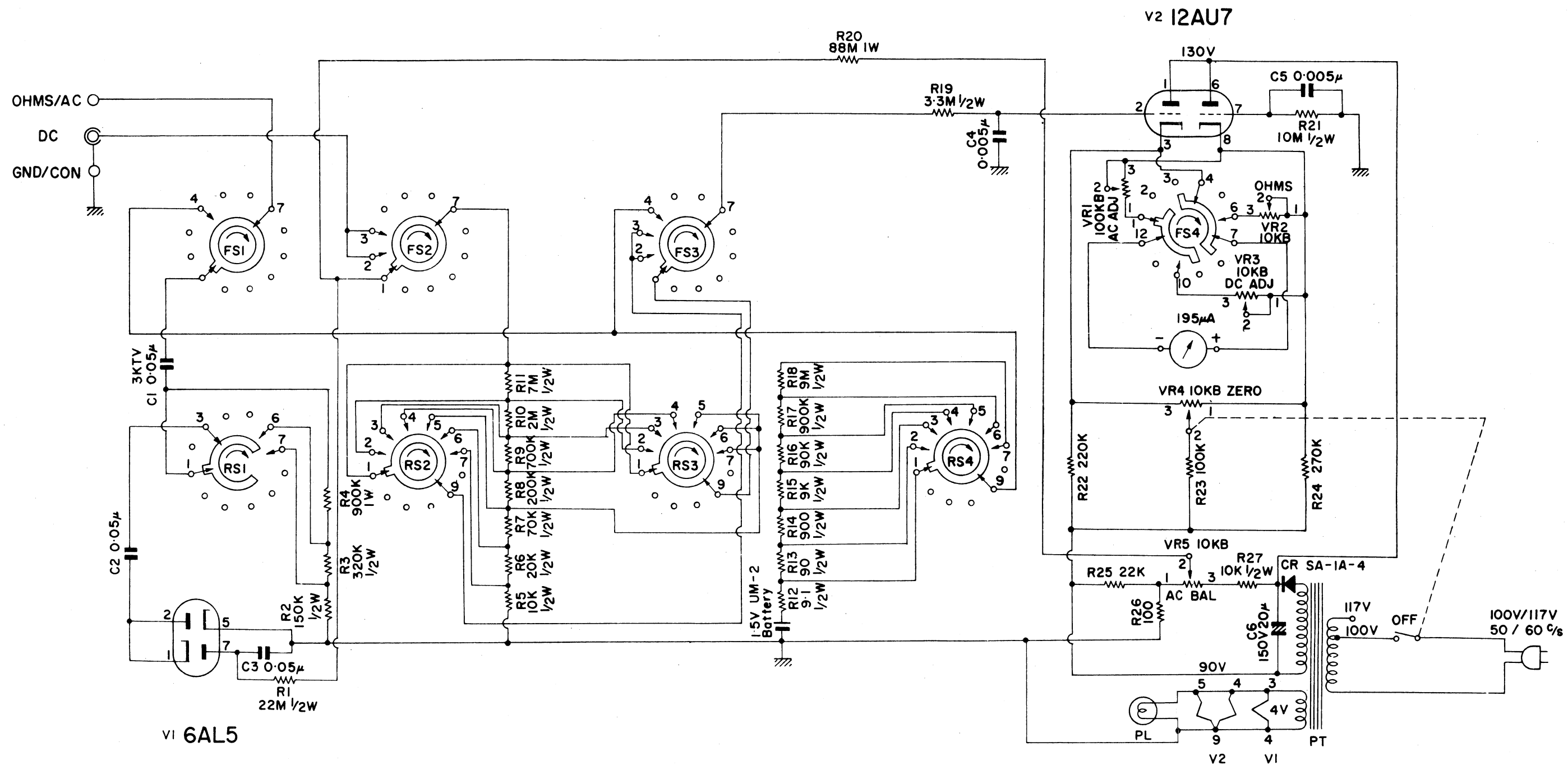


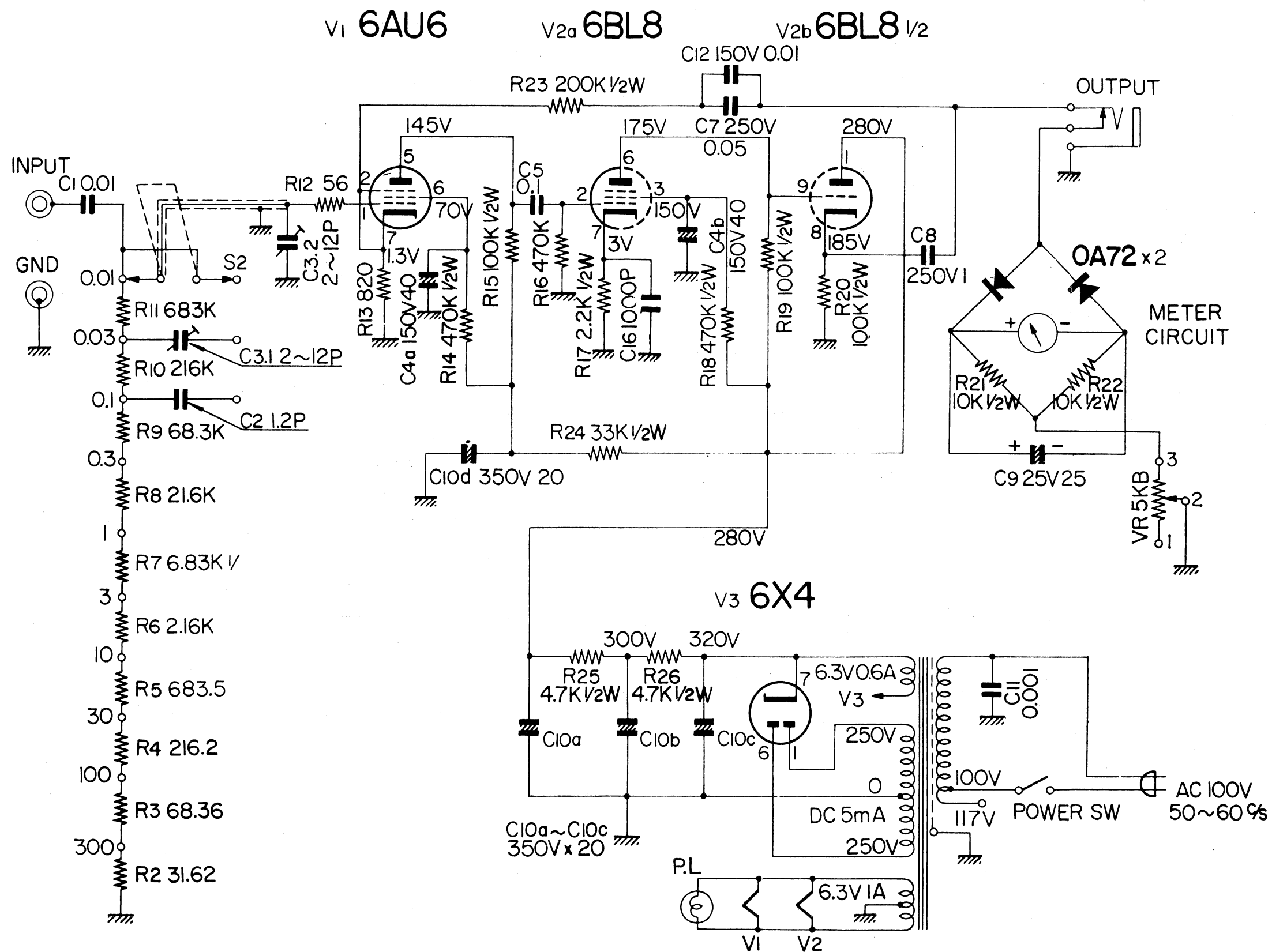


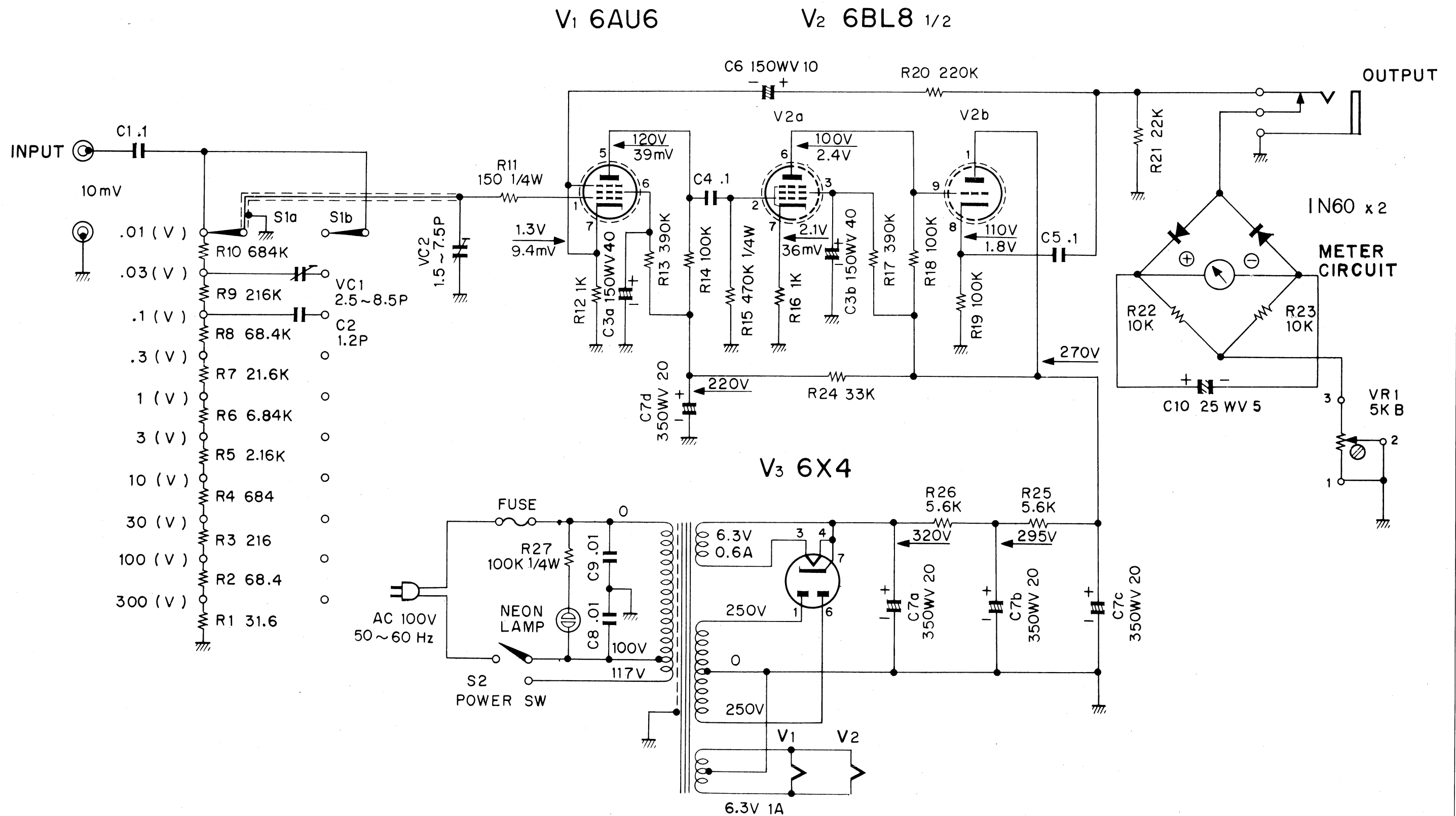


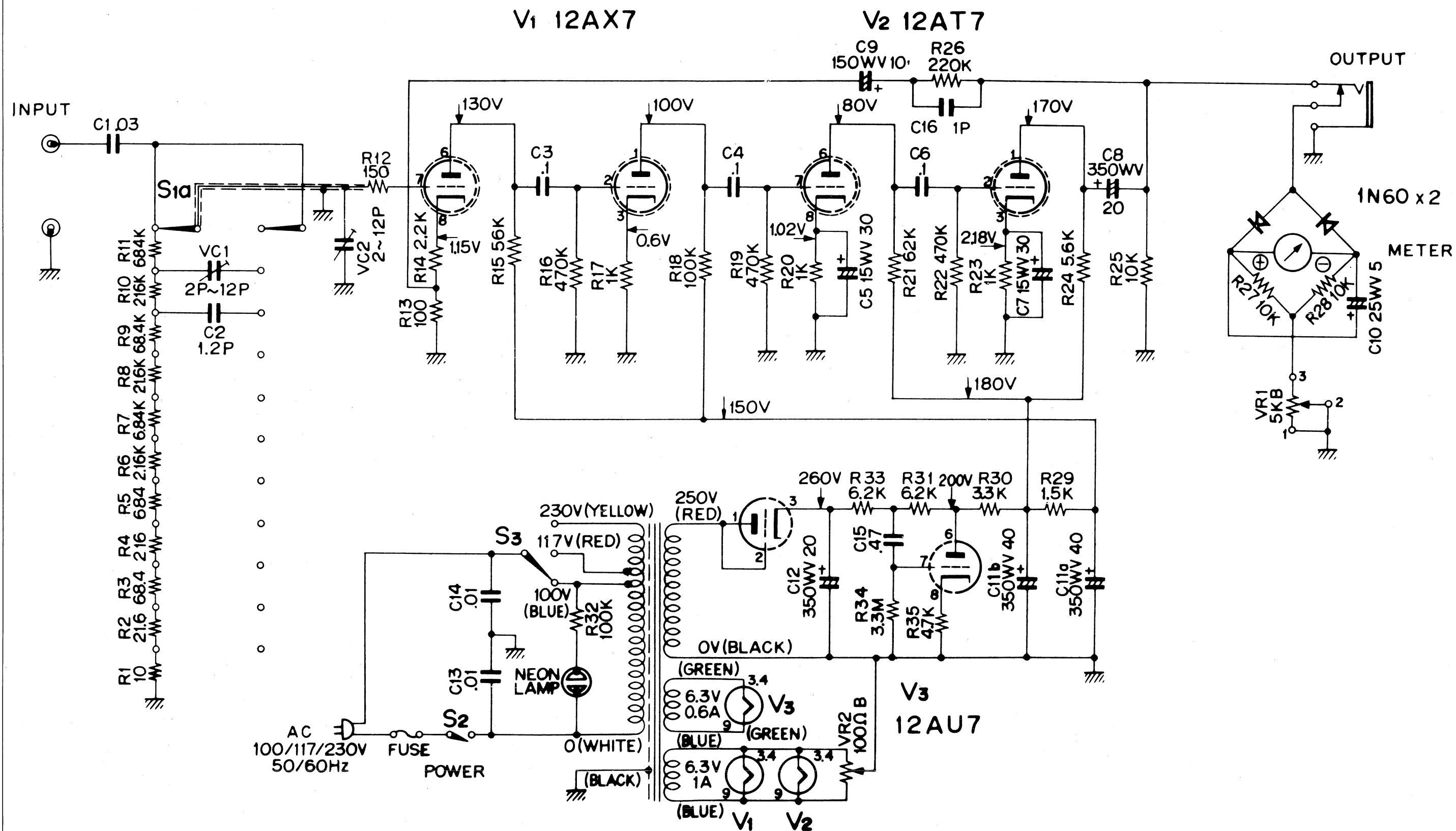


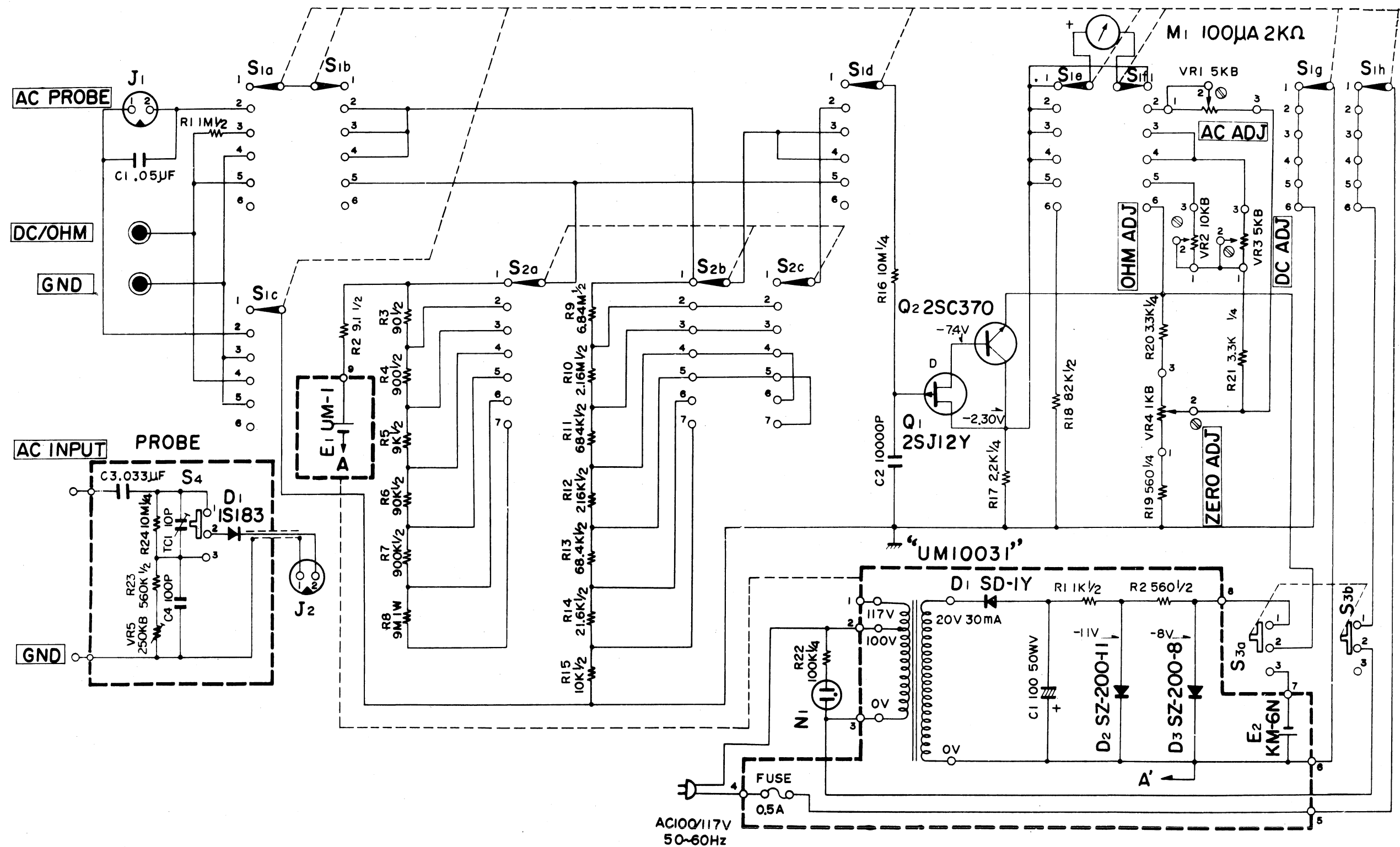


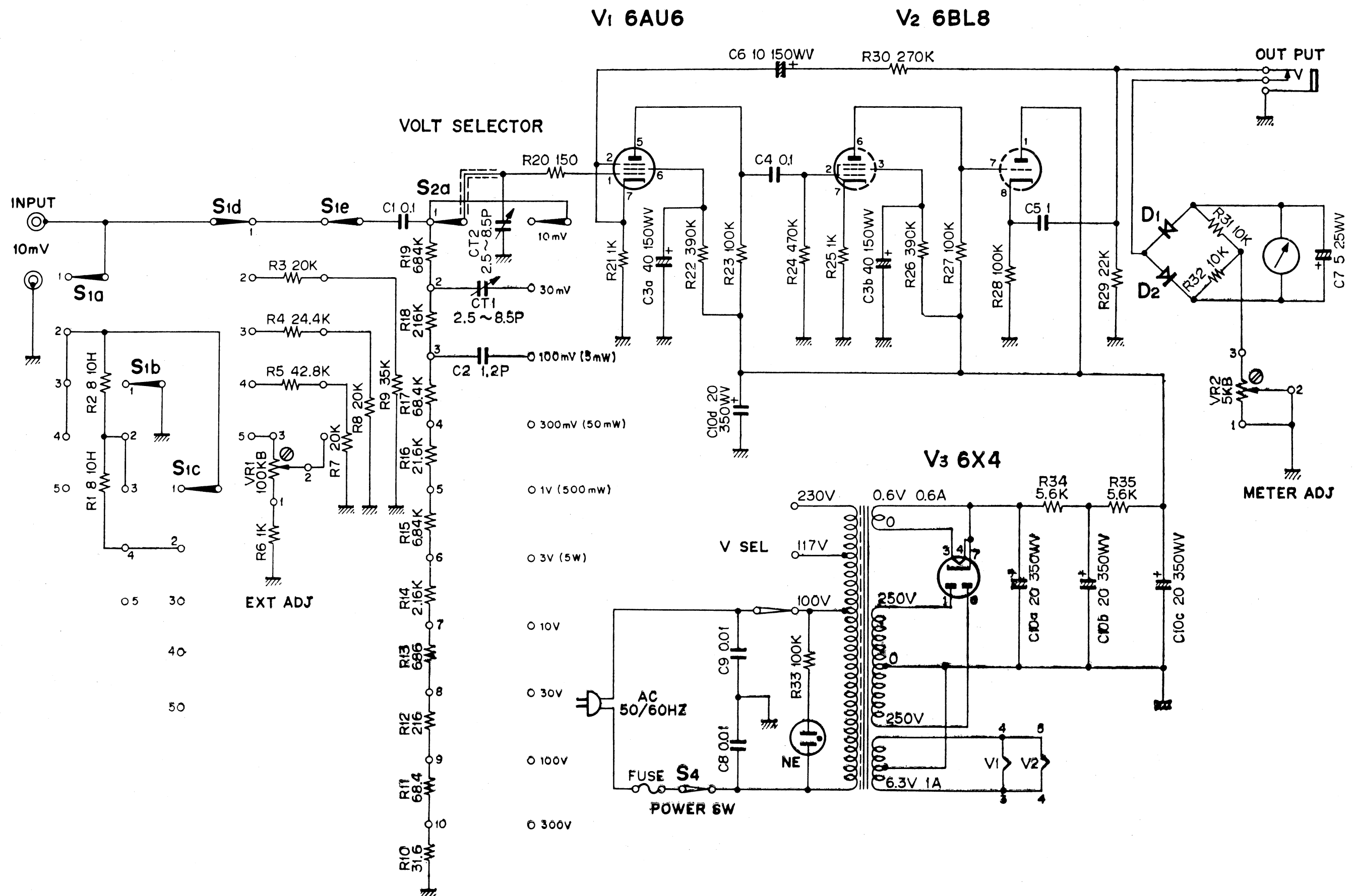


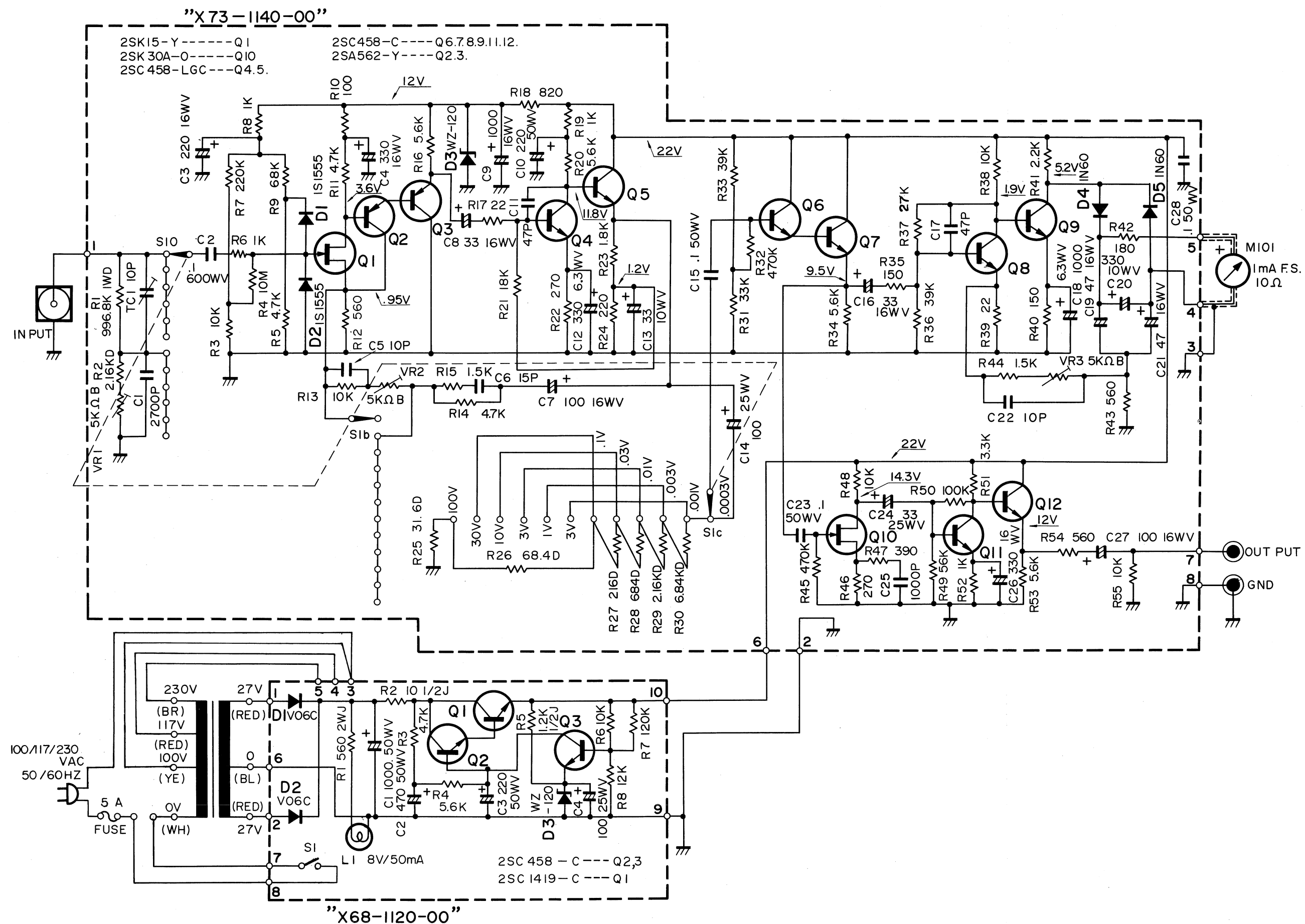




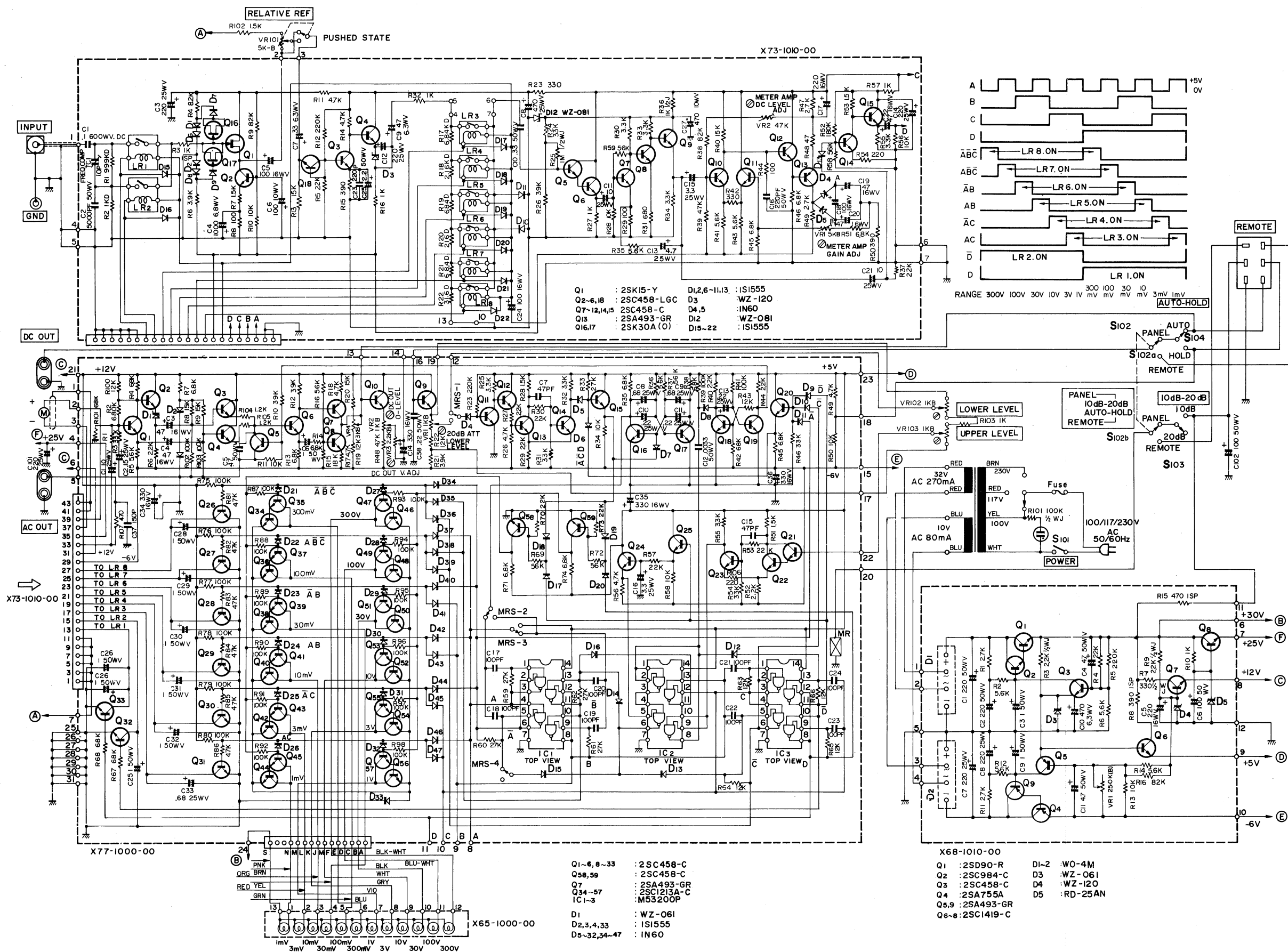


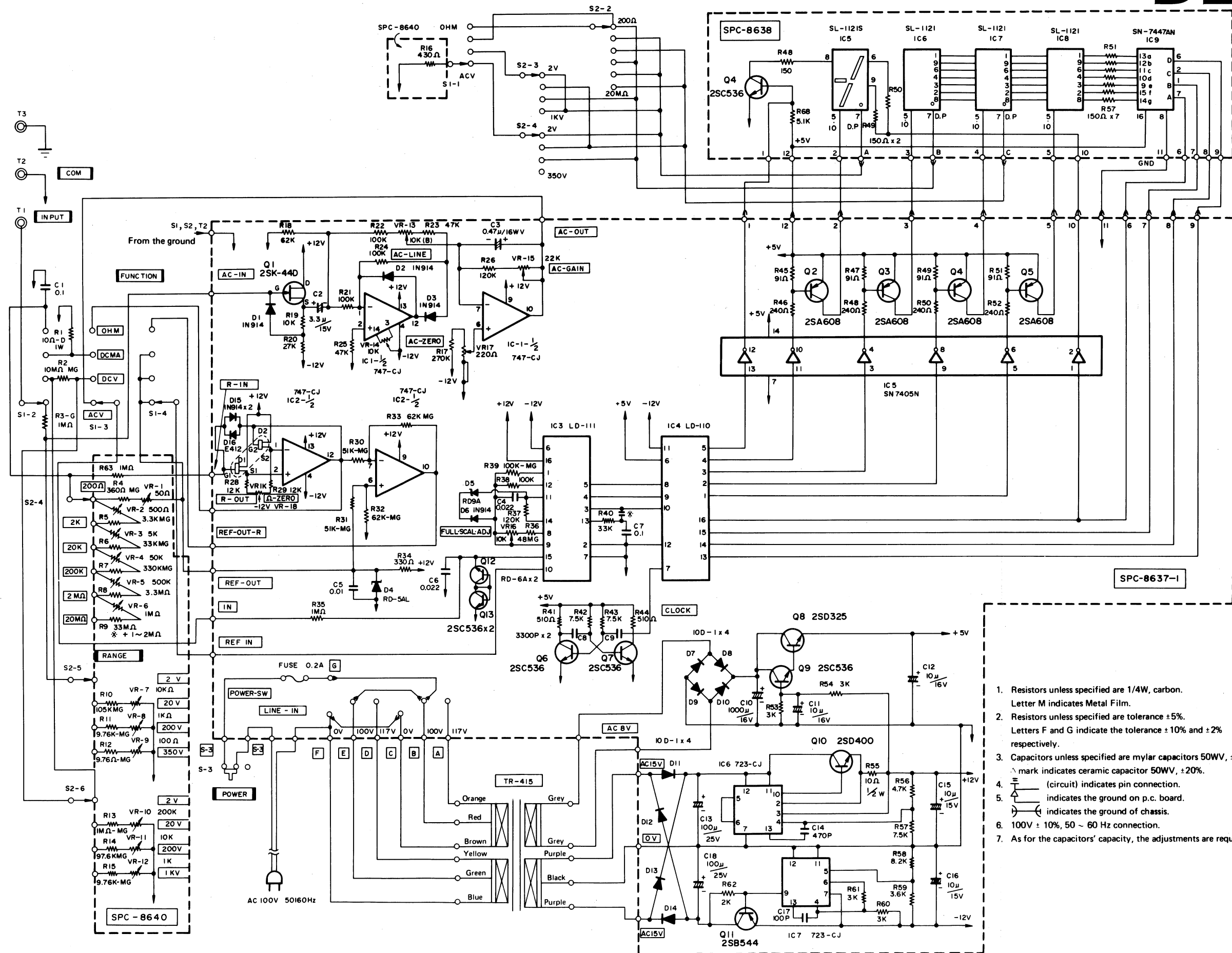


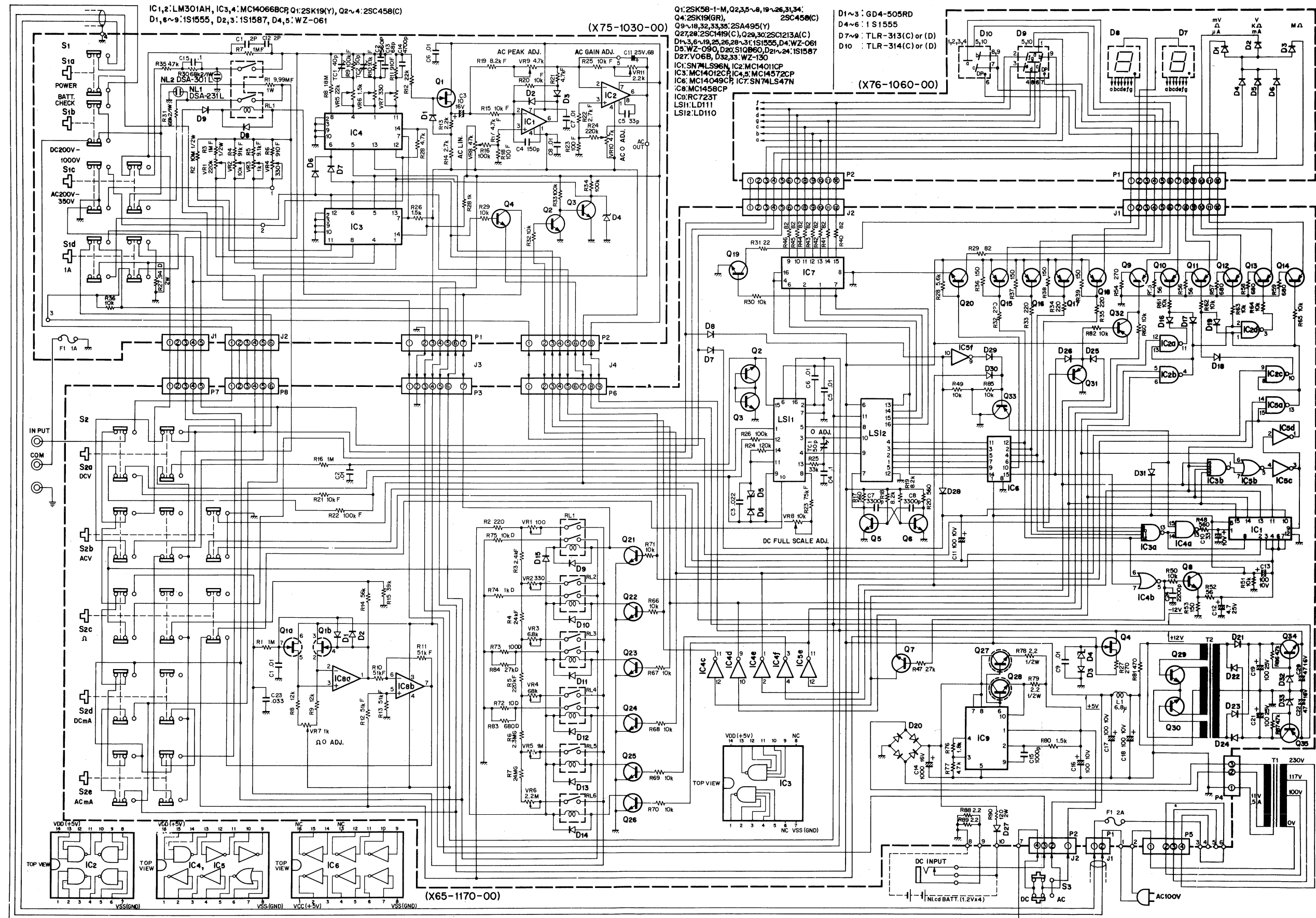


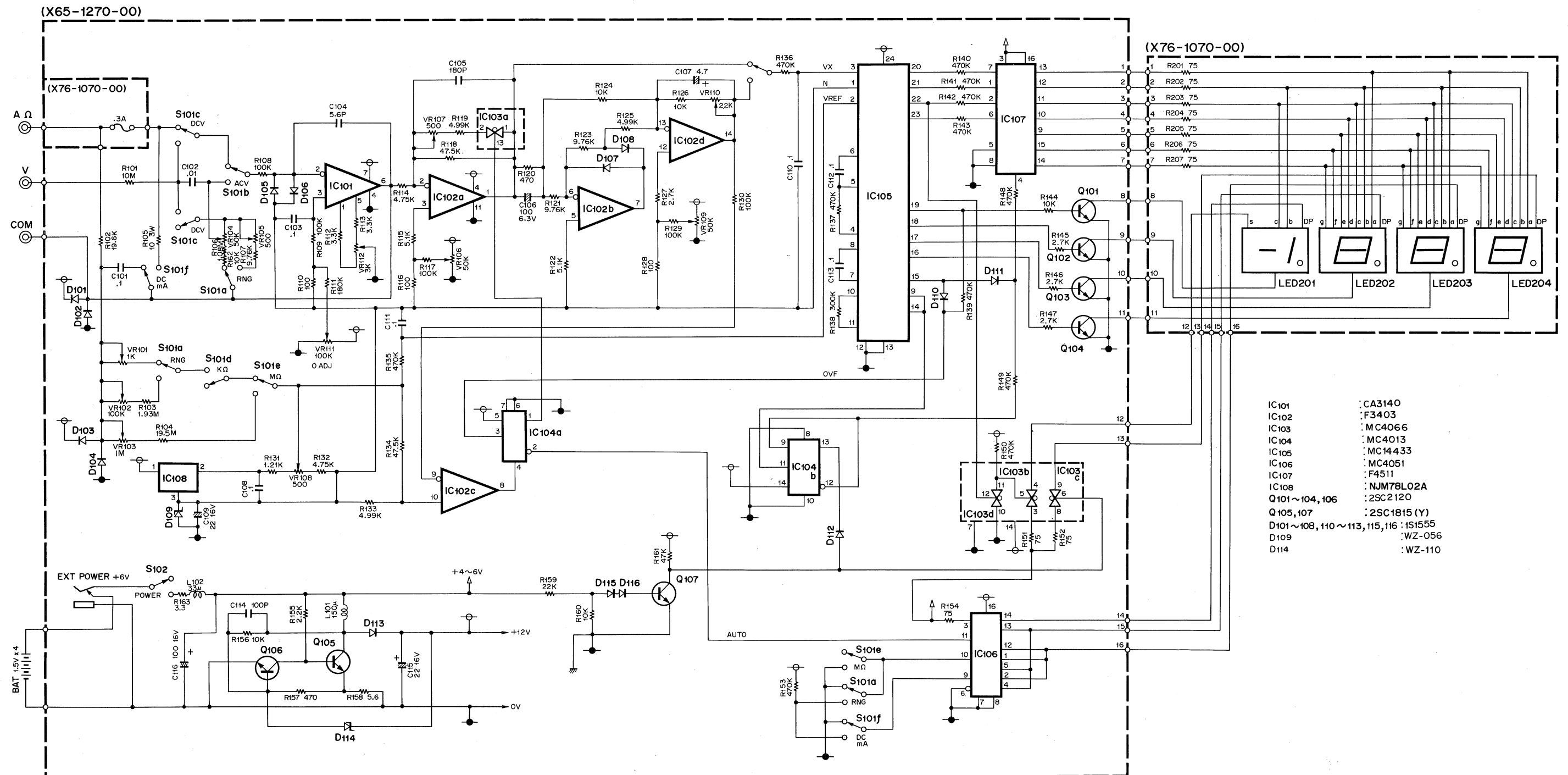


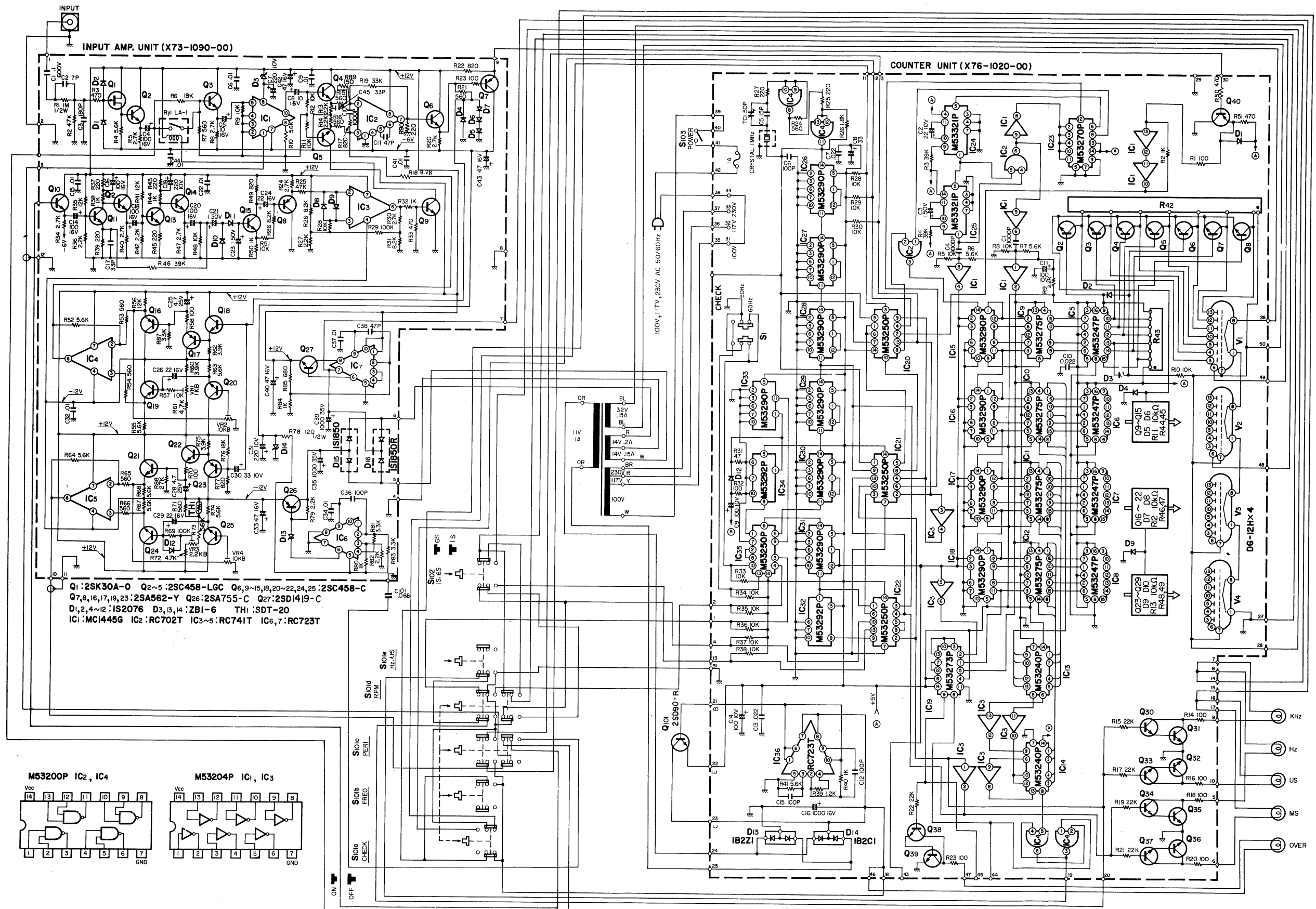


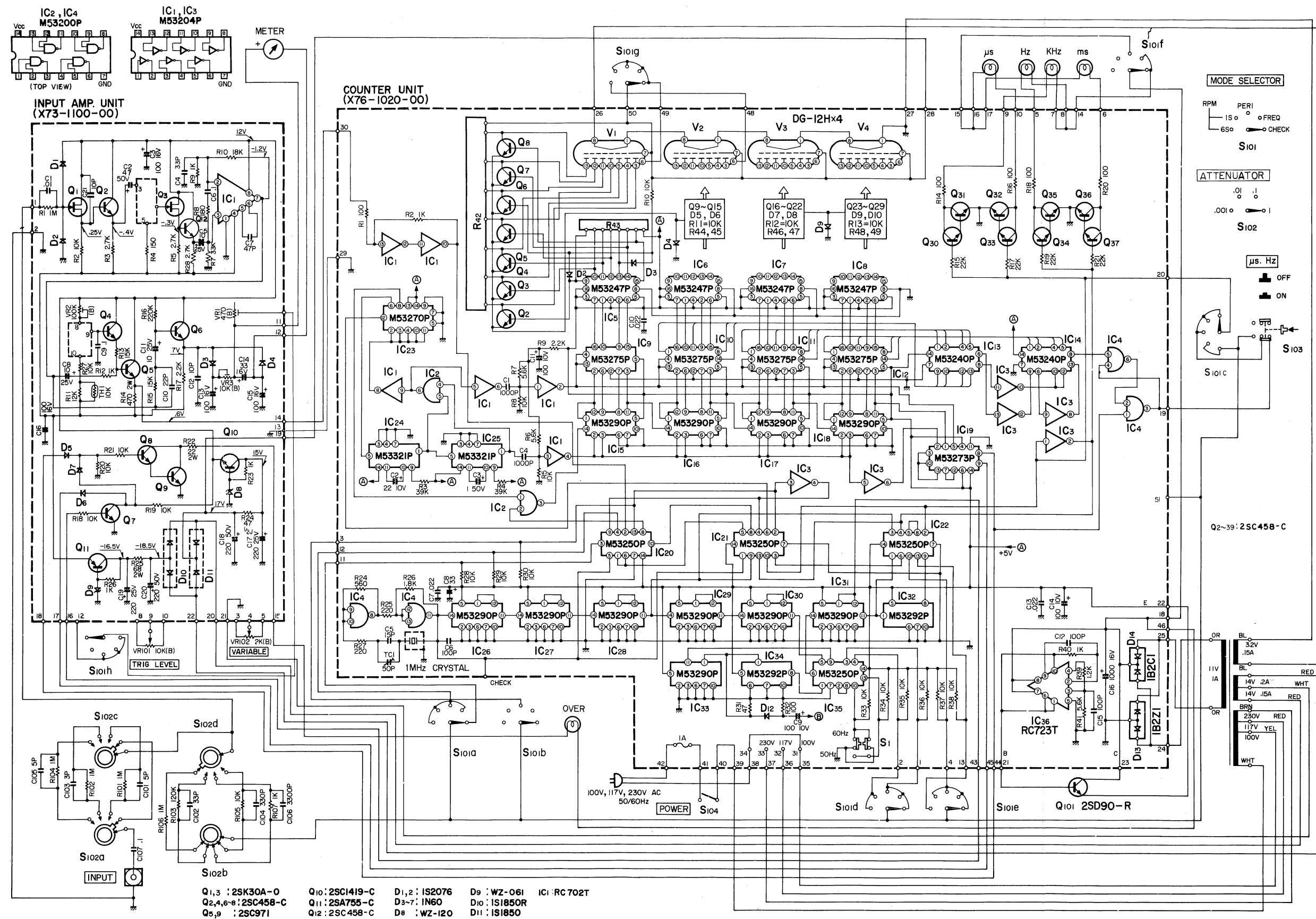




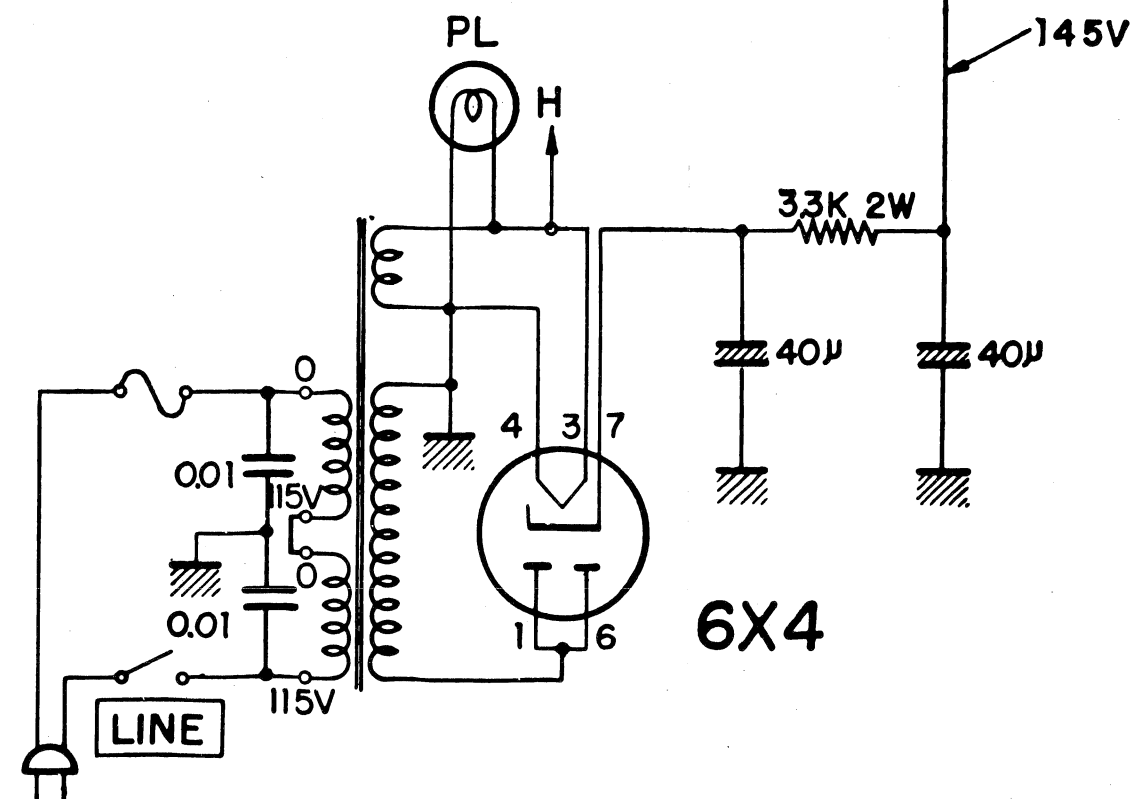
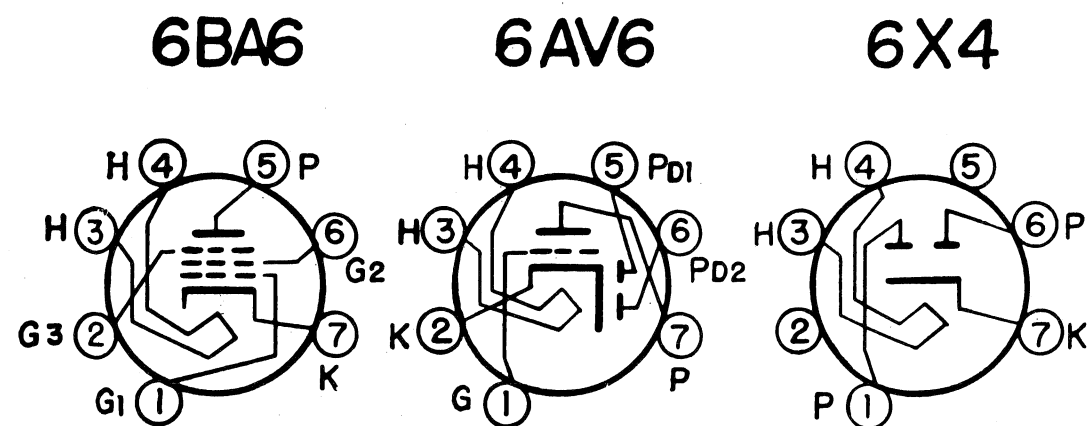
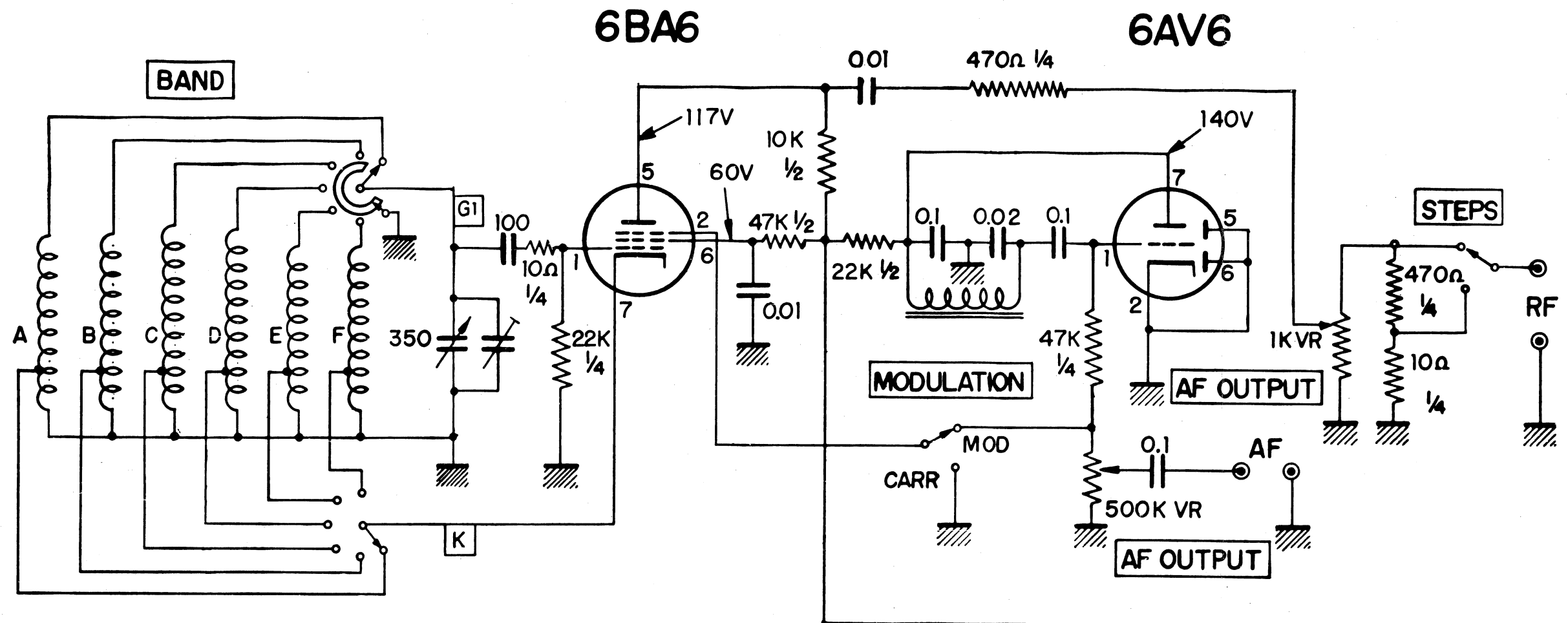


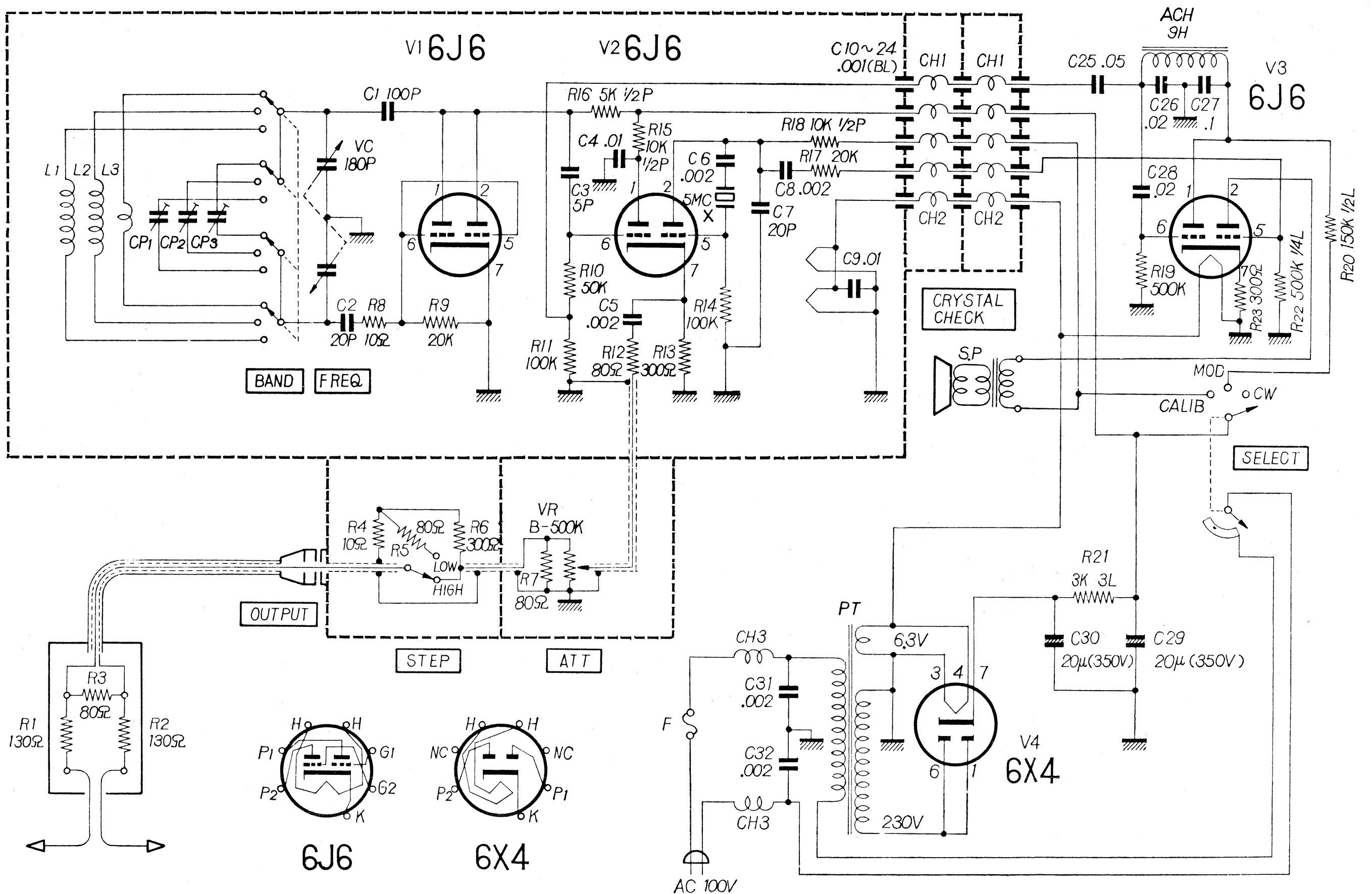


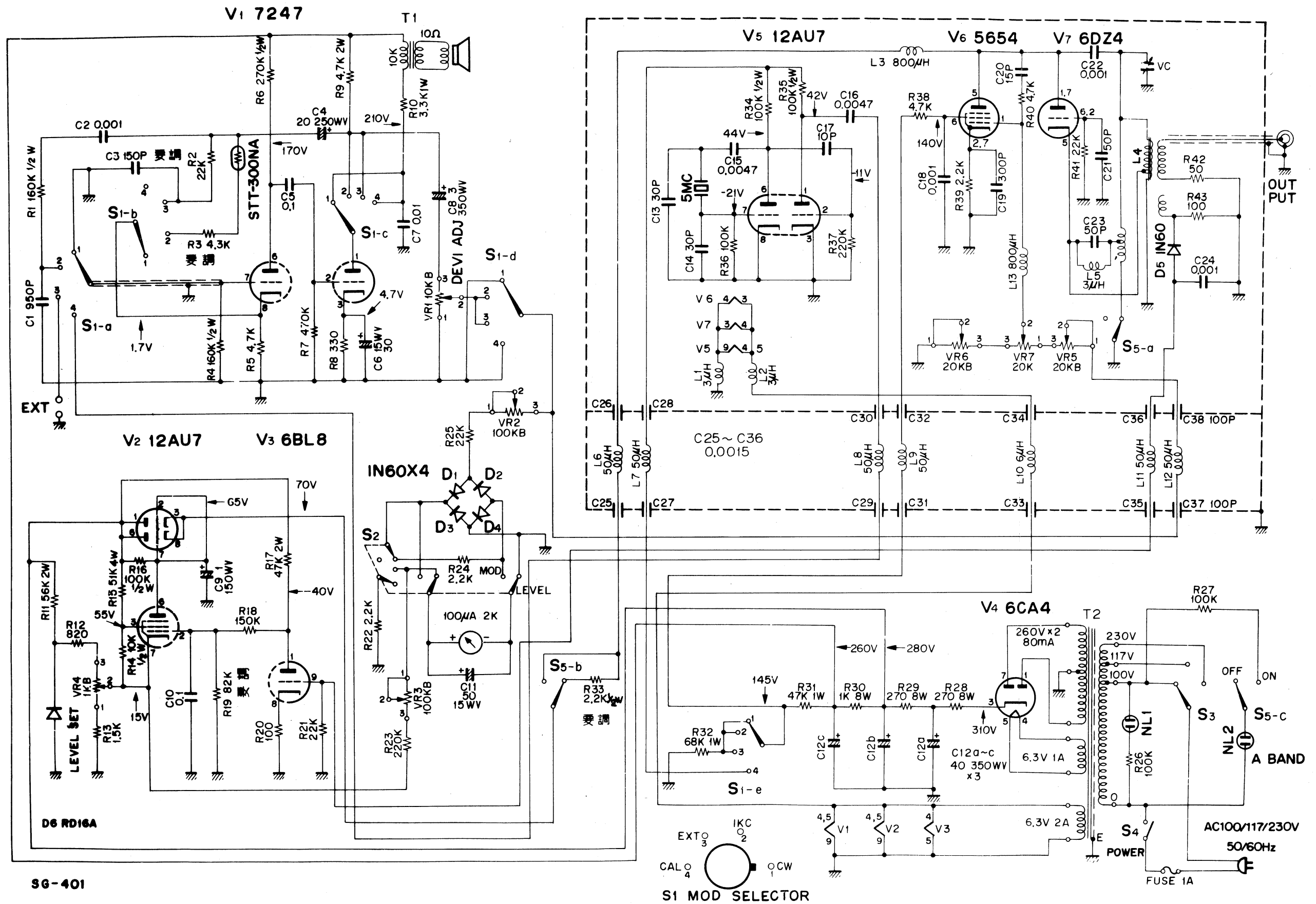


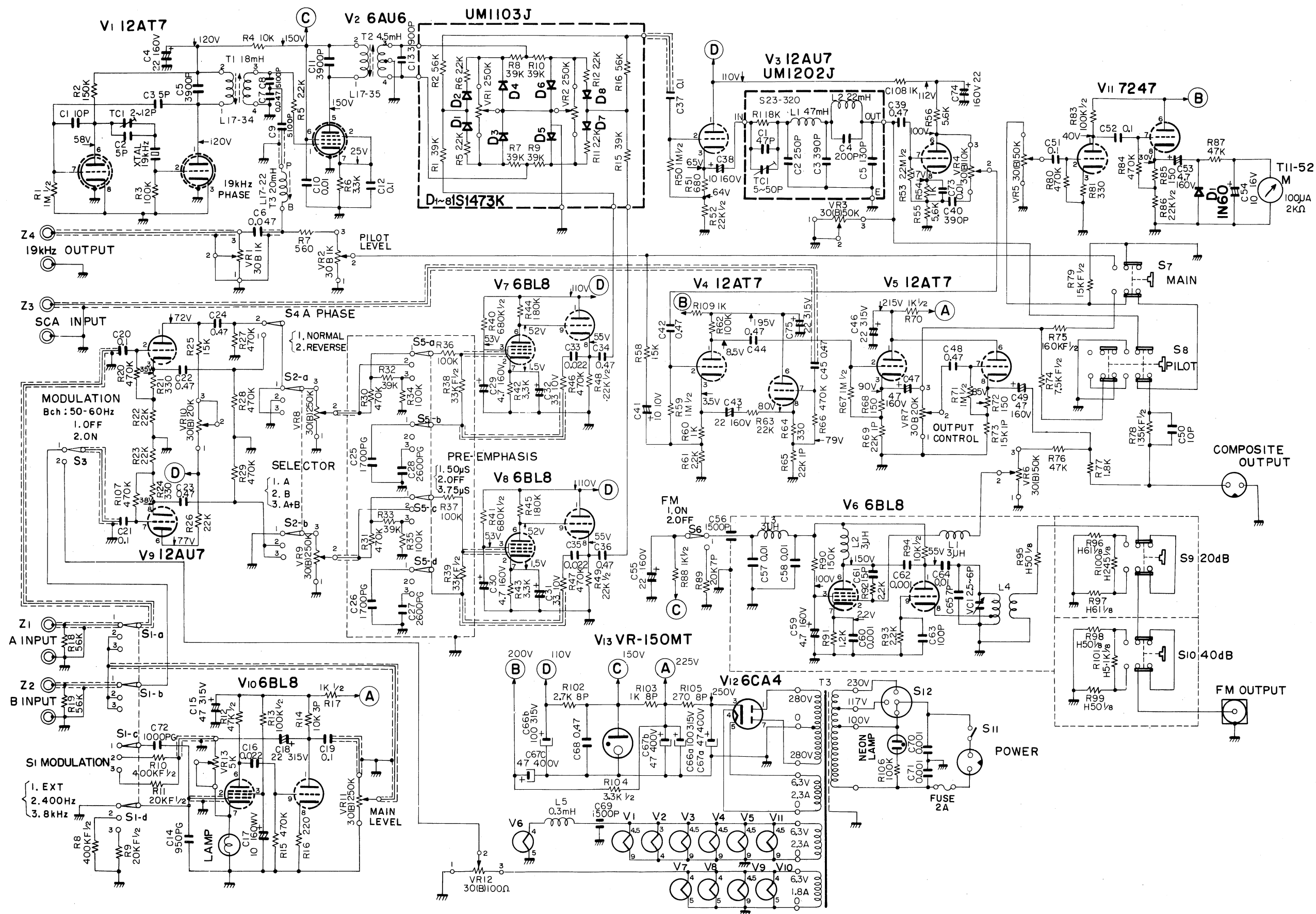


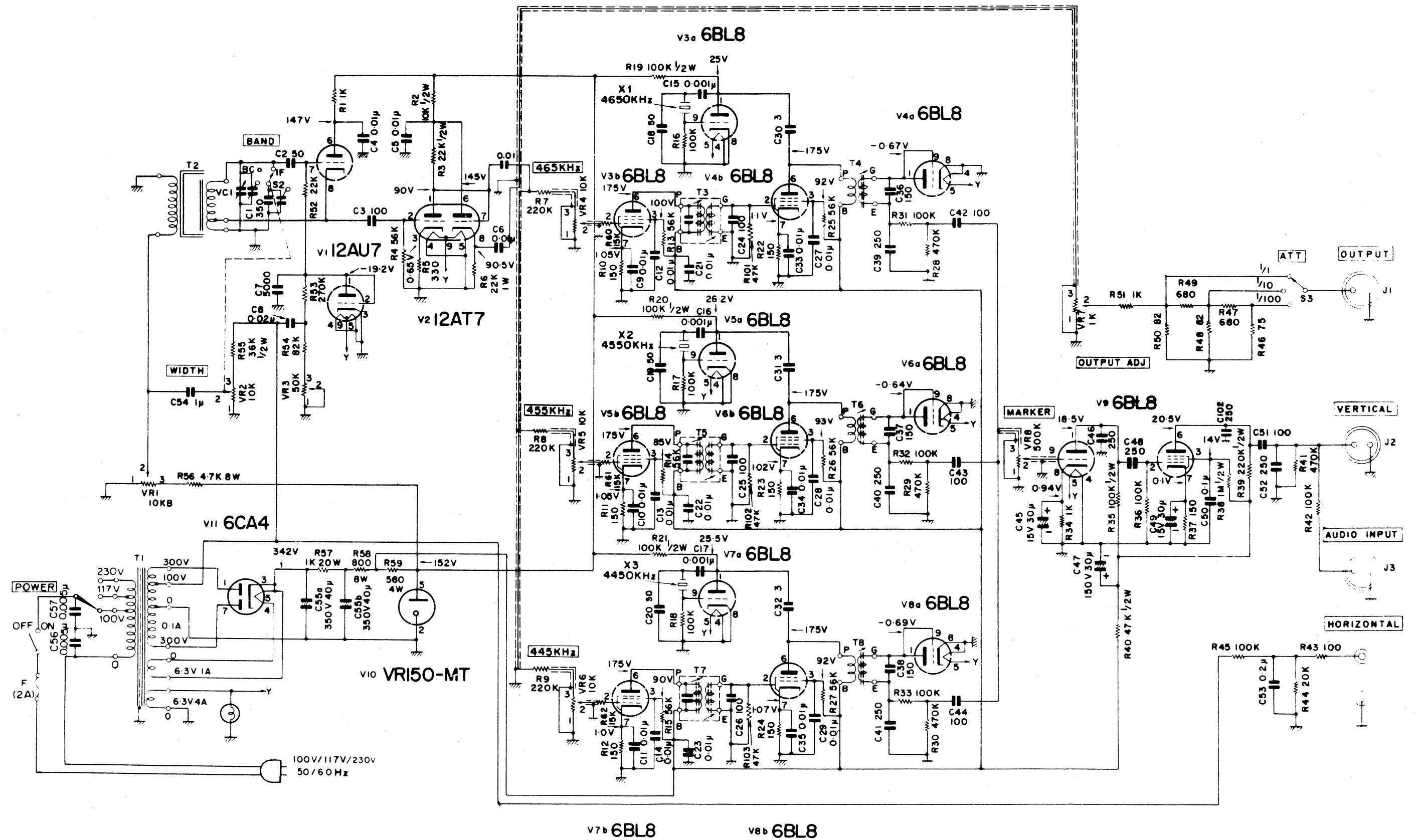


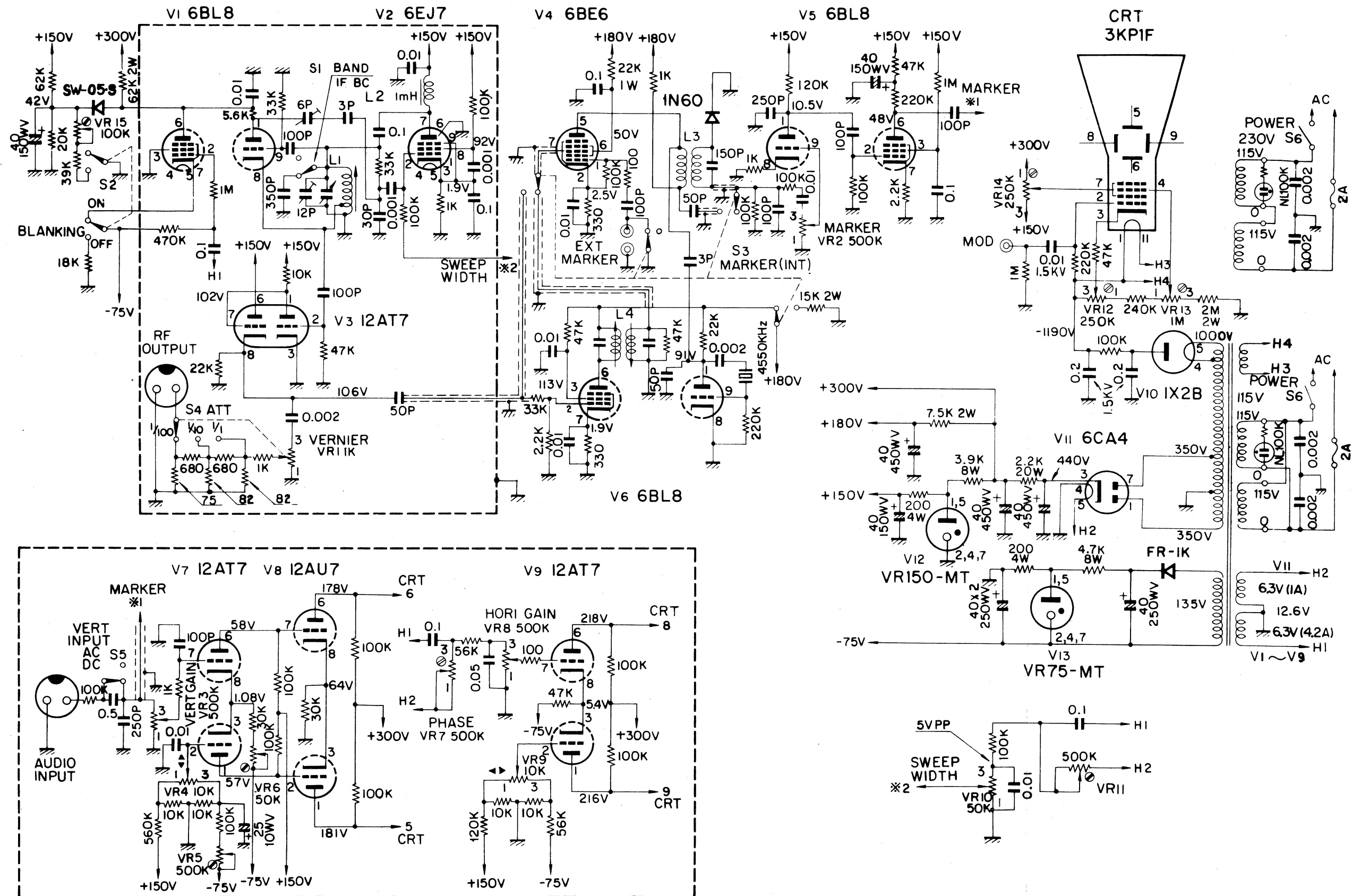


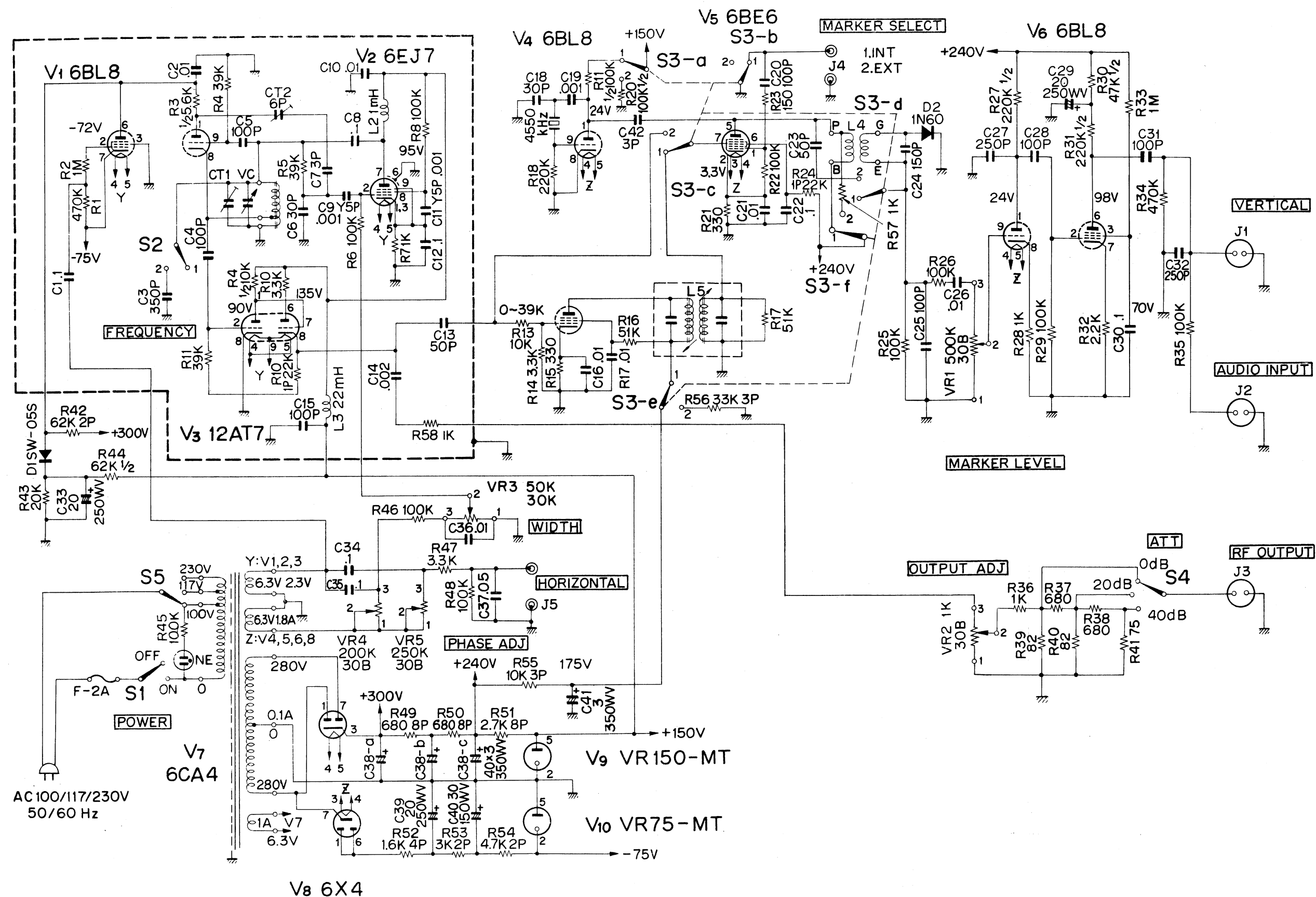


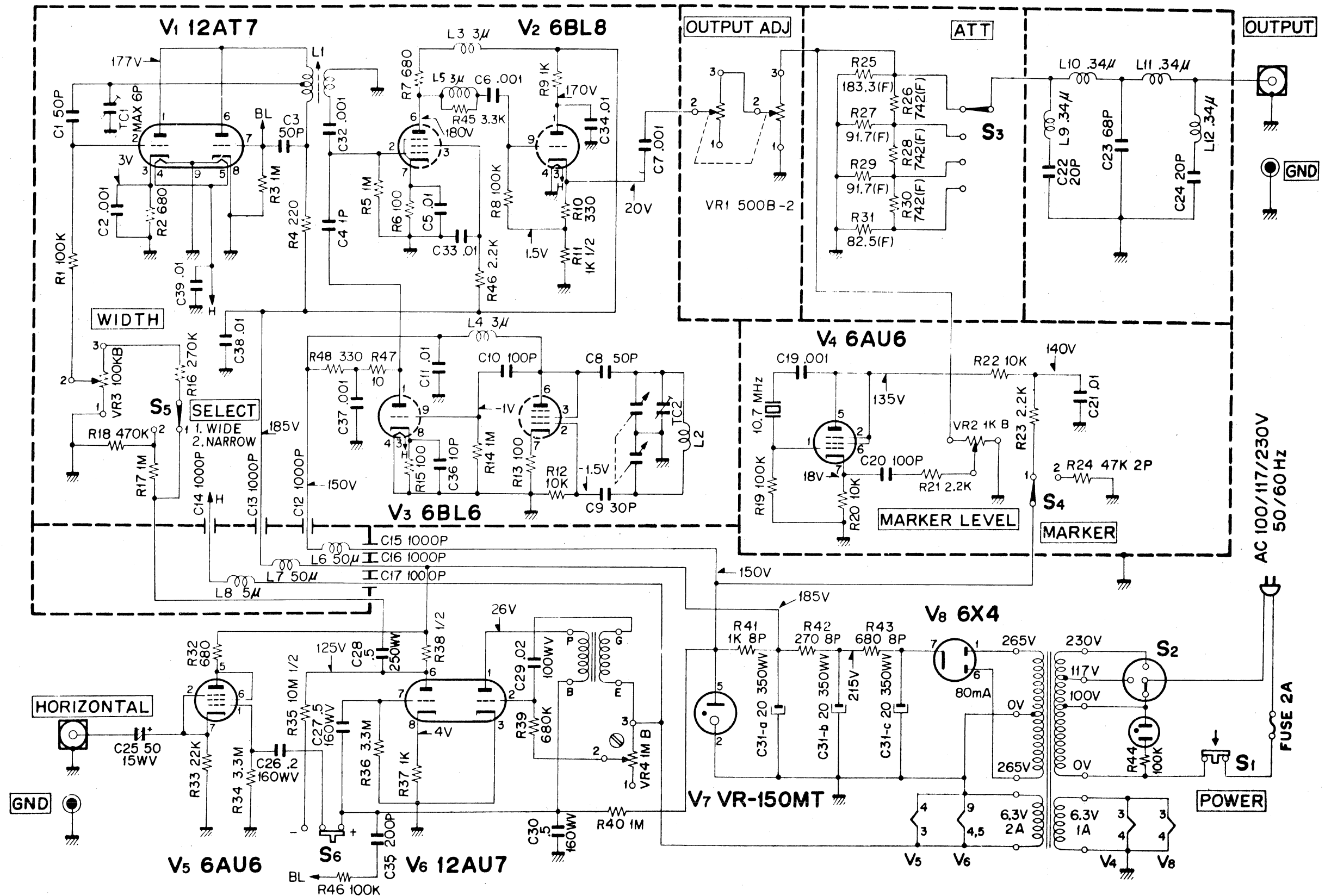


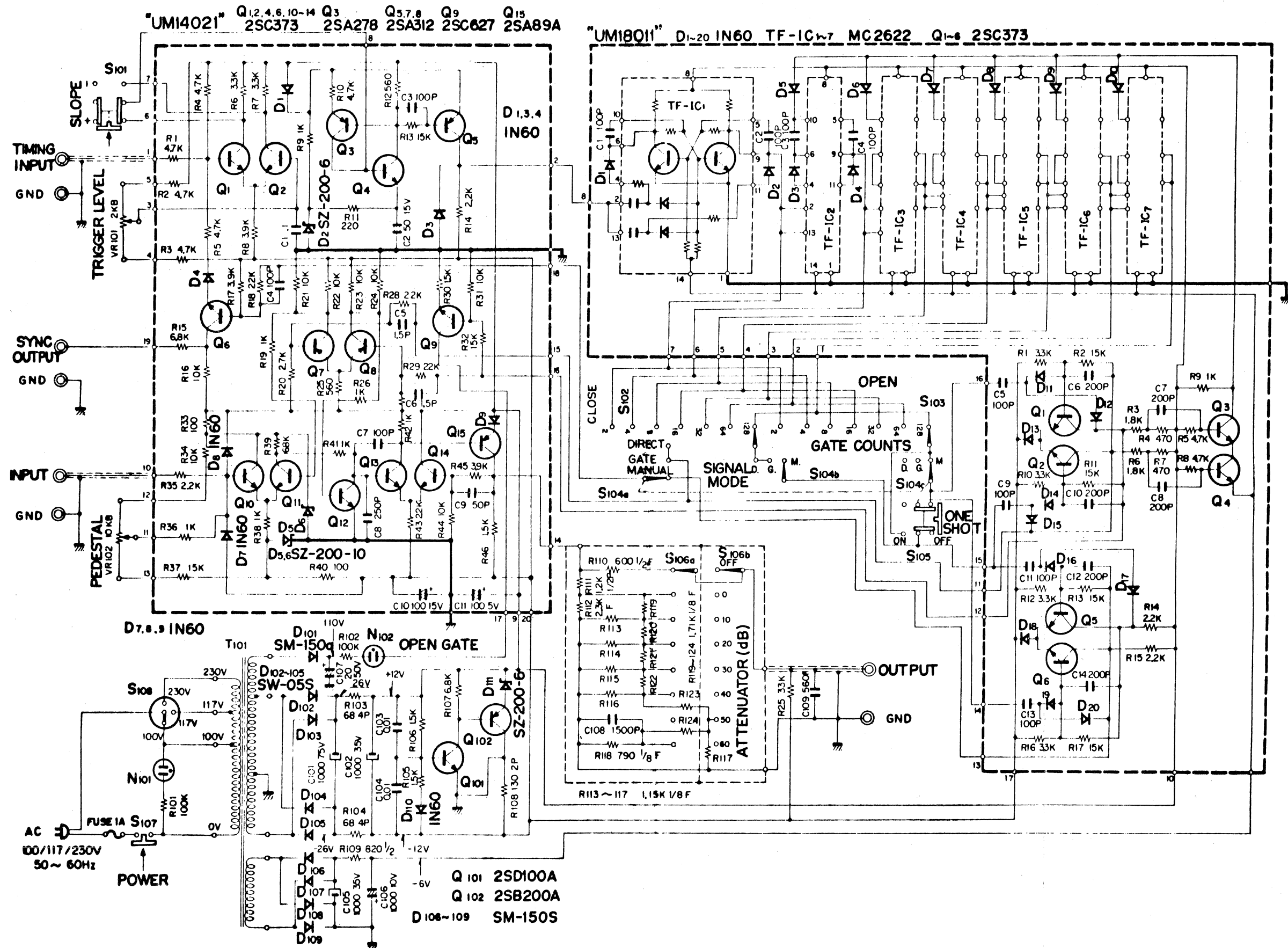


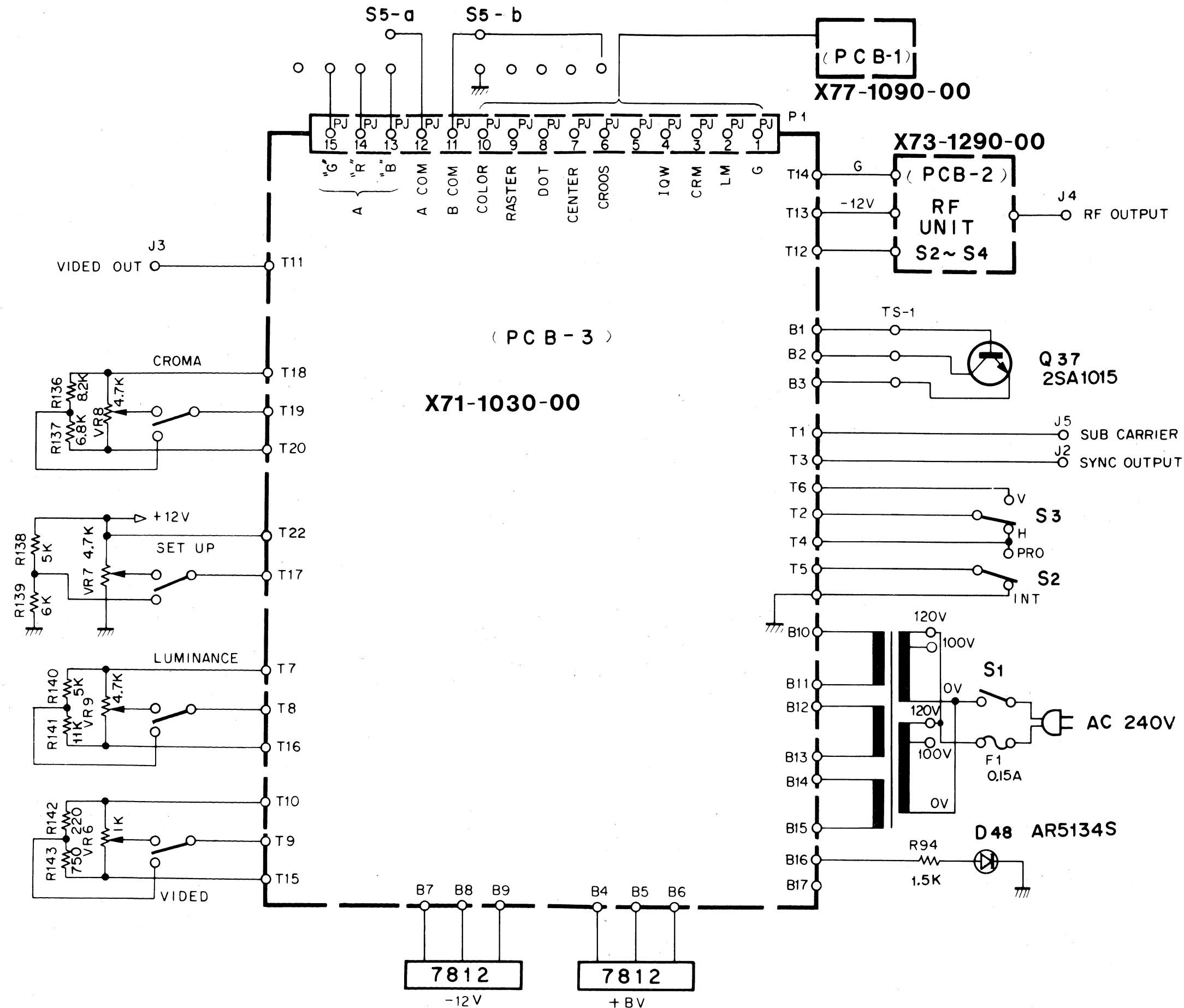




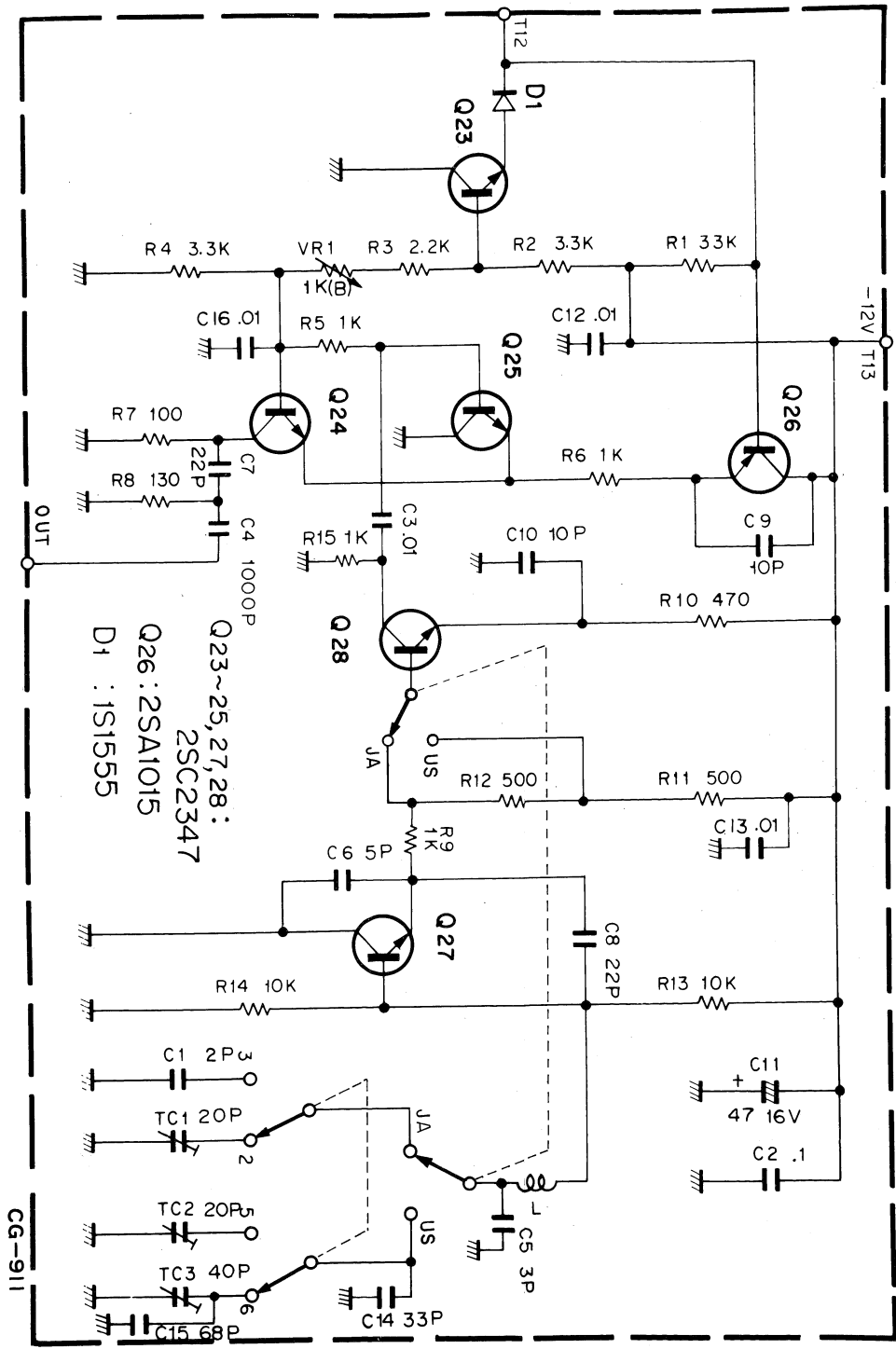




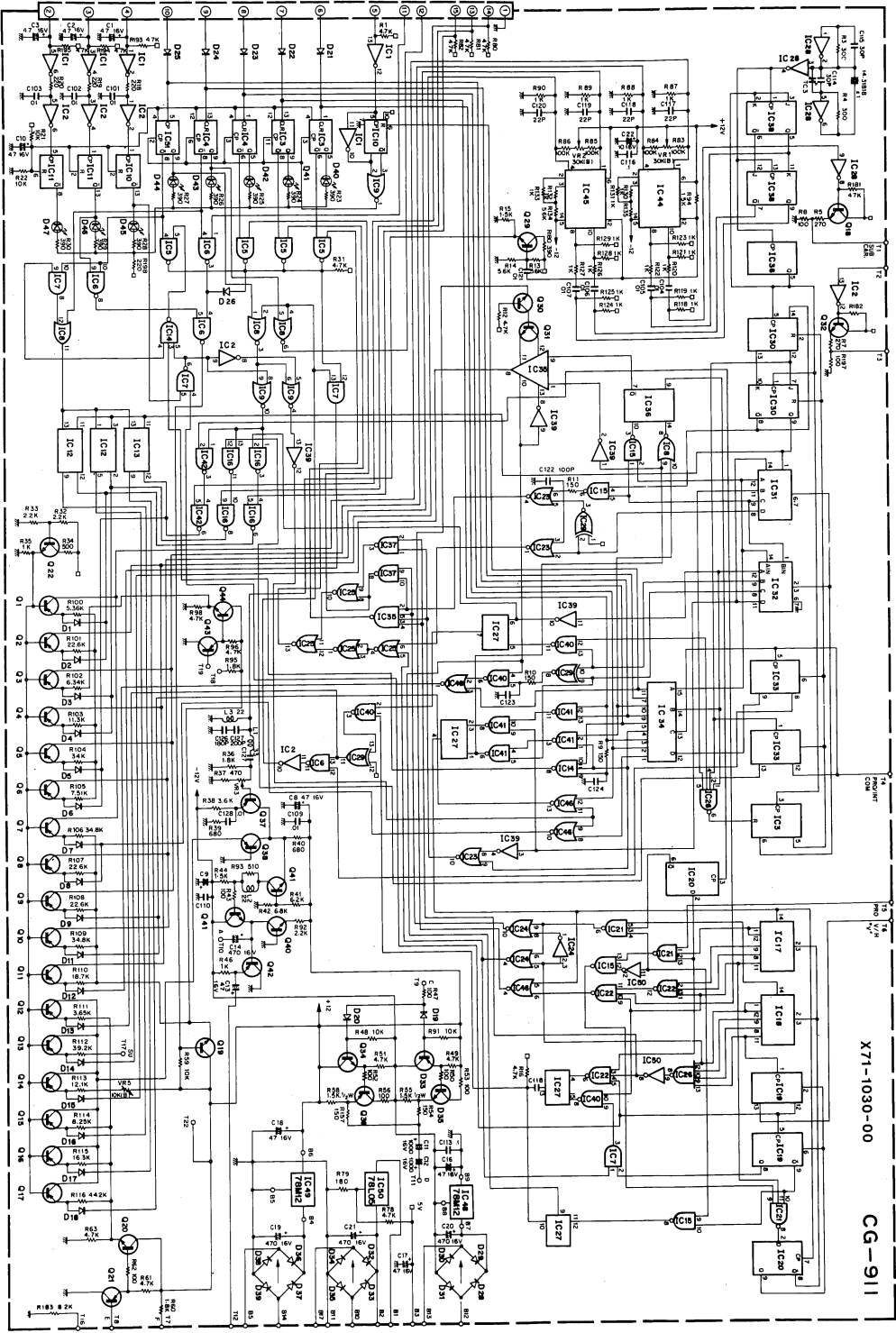




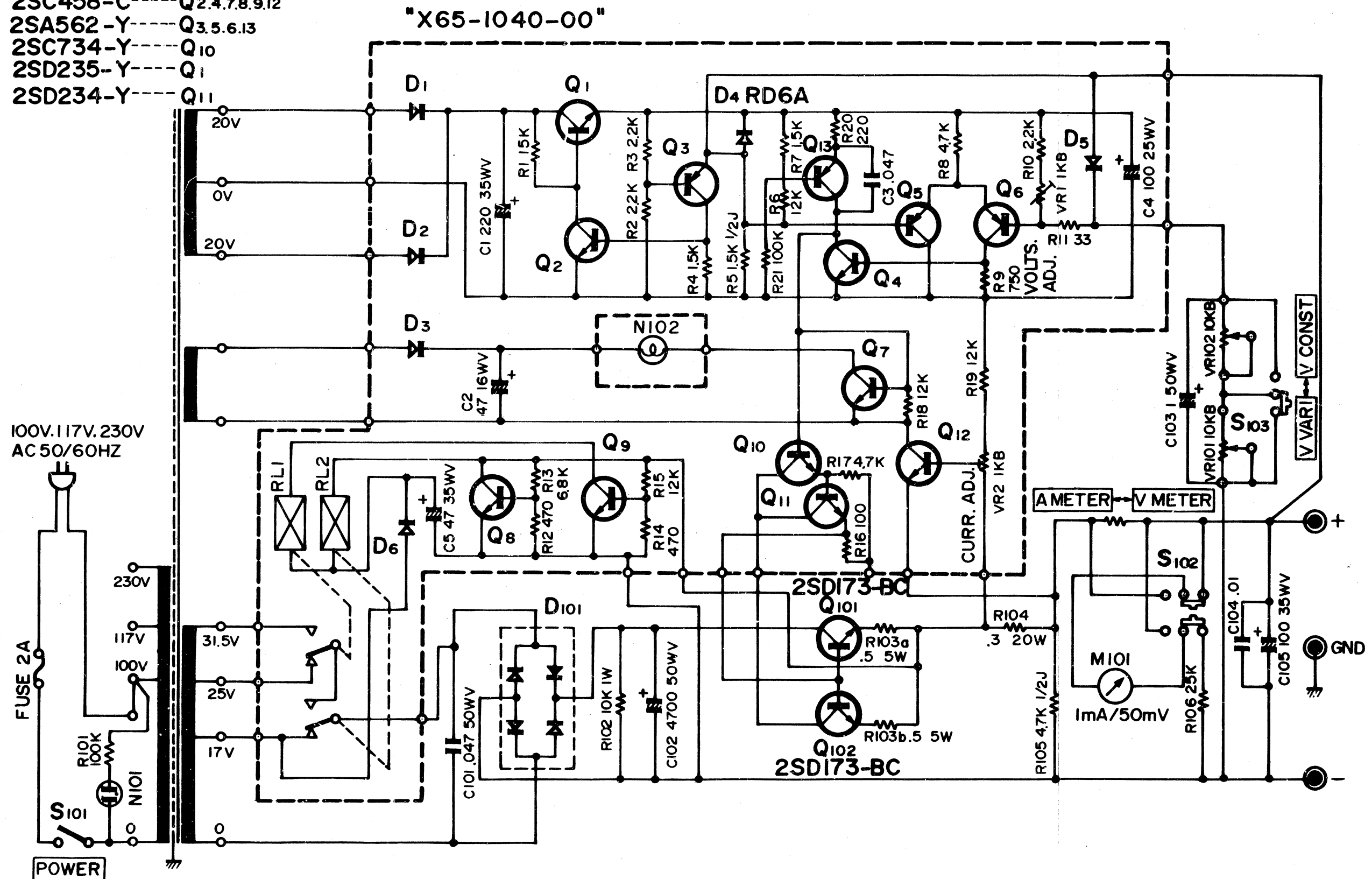
RF UNIT (X73-1290-00)



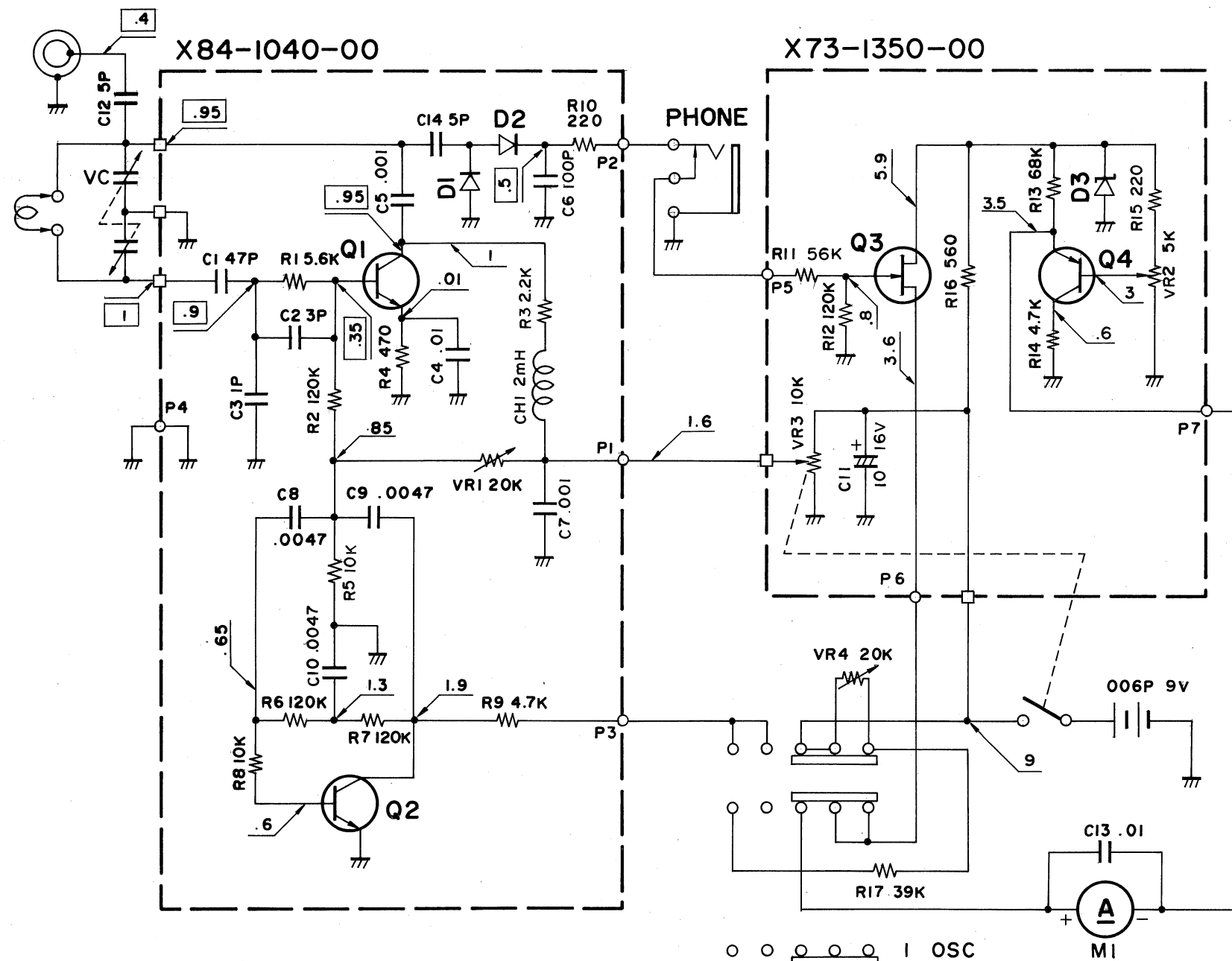
MAIN UNIT (X71-1030-00)



- IS1885 ----- D_{1,2,3,5,6}
 2SC458-C ----- Q_{2,4,7,8,9,12}
 2SA562-Y ----- Q_{3,5,6,13}
 2SC734-Y ----- Q₁₀
 2SD235-Y ----- Q₁
 2SD234-Y ----- Q₁₁

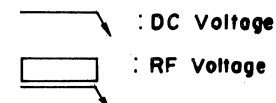


DM-801



Q1 : 2SC1215
Q2 : 2SC945
Q3 : 2SK19
Q4 : 2SA719
D1,2 : ISS16
D3 : RD6.2EB

NOTE



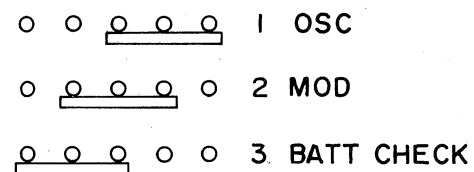
Measuring conditions: Band D band

Dial position: 7.0MHz

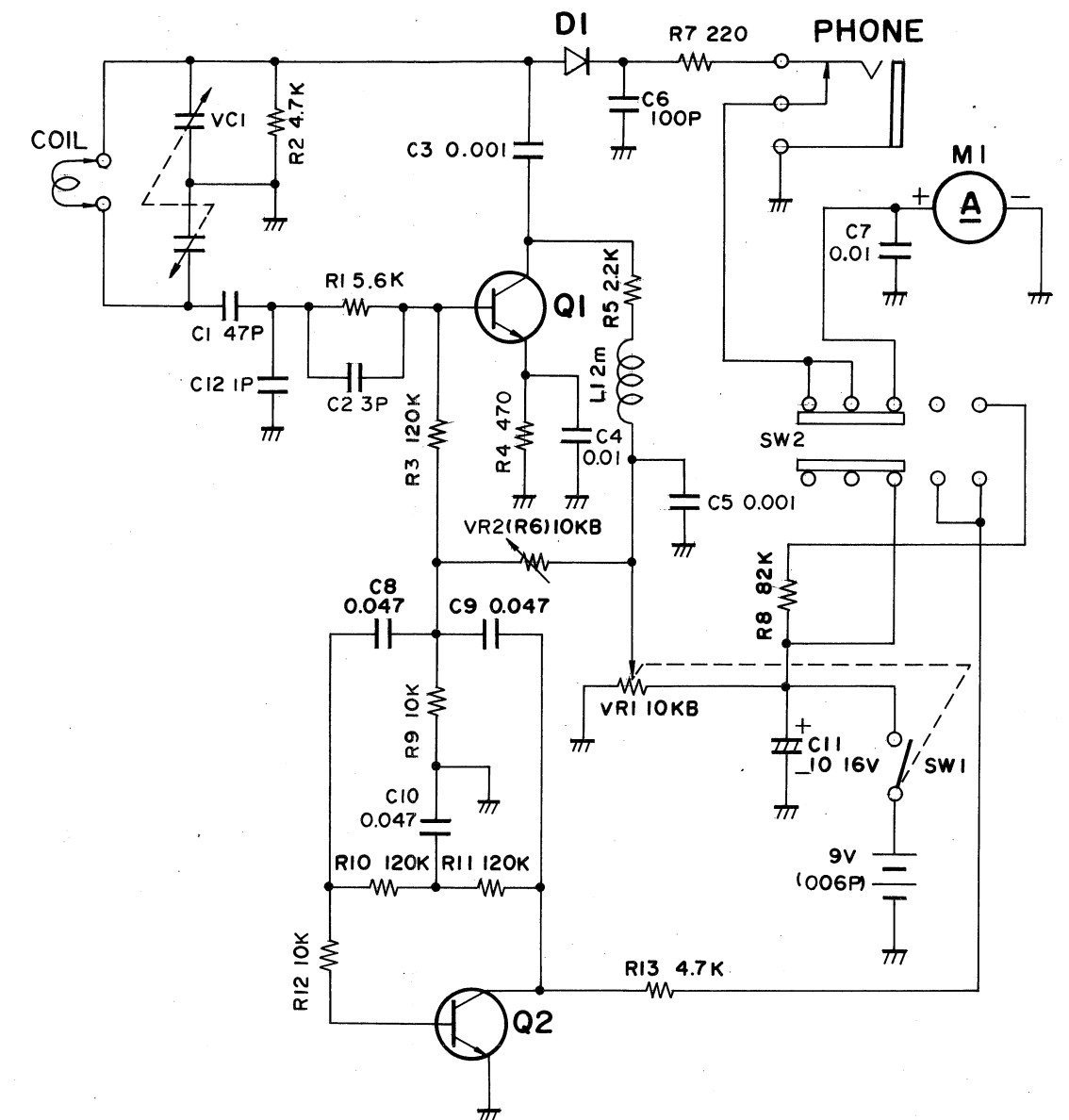
Meter deflection: 0.7

Voltmeters: RF and electronic voltmeters.

FUNCTION

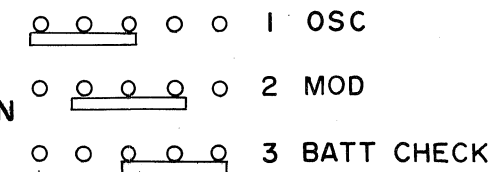


DM-800



Q1 : 2SC717
Q2 : 2SC945
D1 : ISS16

FUNCTION



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