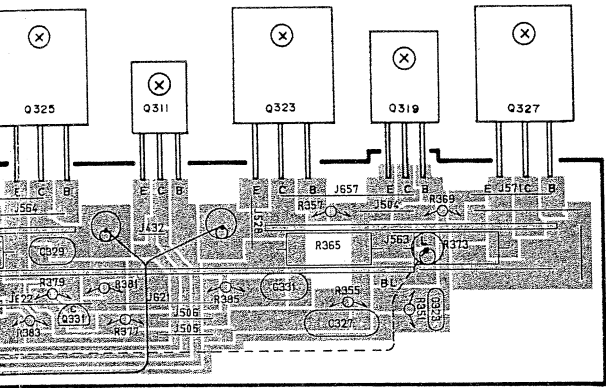




Note) \* marked

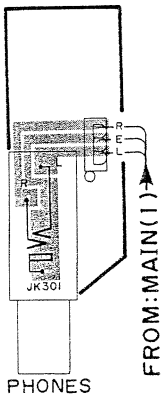
|                  | R          | U, C   | A      | G, B        |
|------------------|------------|--------|--------|-------------|
| C357, 363, 364   | OPEN       | OPEN   | OPEN   | 0.01        |
| C359 ~ 362       | OPEN       | OPEN   | OPEN   | Ⓟ 4700P/100 |
| R419, 420        | OPEN       | OPEN   | OPEN   | 4.7         |
| F302             | T5.0A 250V | OPEN   | OPEN   | OPEN        |
| Lapping Terminal | SET        | NONSET | NONSET | NONSET      |
| J666 ~ 669       | OPEN       | OPEN   | SHORT  | SHORT       |
| J696 ~ 699       | OPEN       | OPEN   | SHORT  | SHORT       |



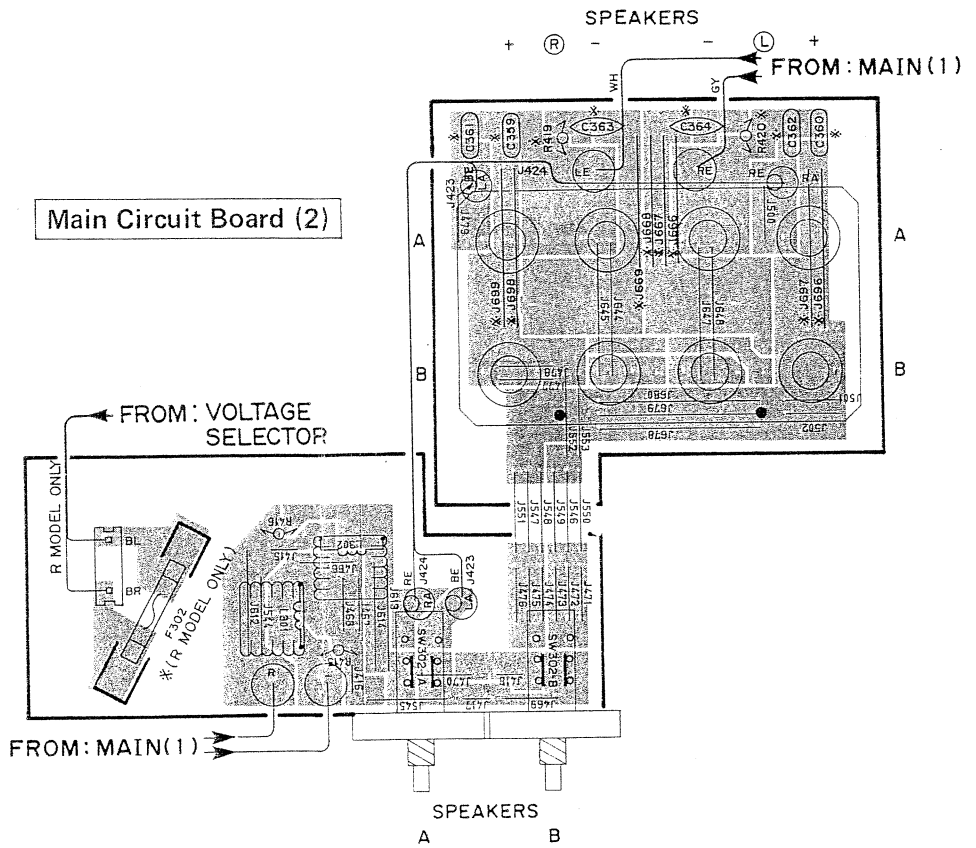
★ Main amplifier operation check

To check the waveform of the output (speaker), remove the diode D312 first. (This will prevent muting transistors Q105 to 108 from operating as far as the relay-ON step.) Then using the AC regulators, apply voltage gradually and observe the waveform.

Main Circuit Board (3)



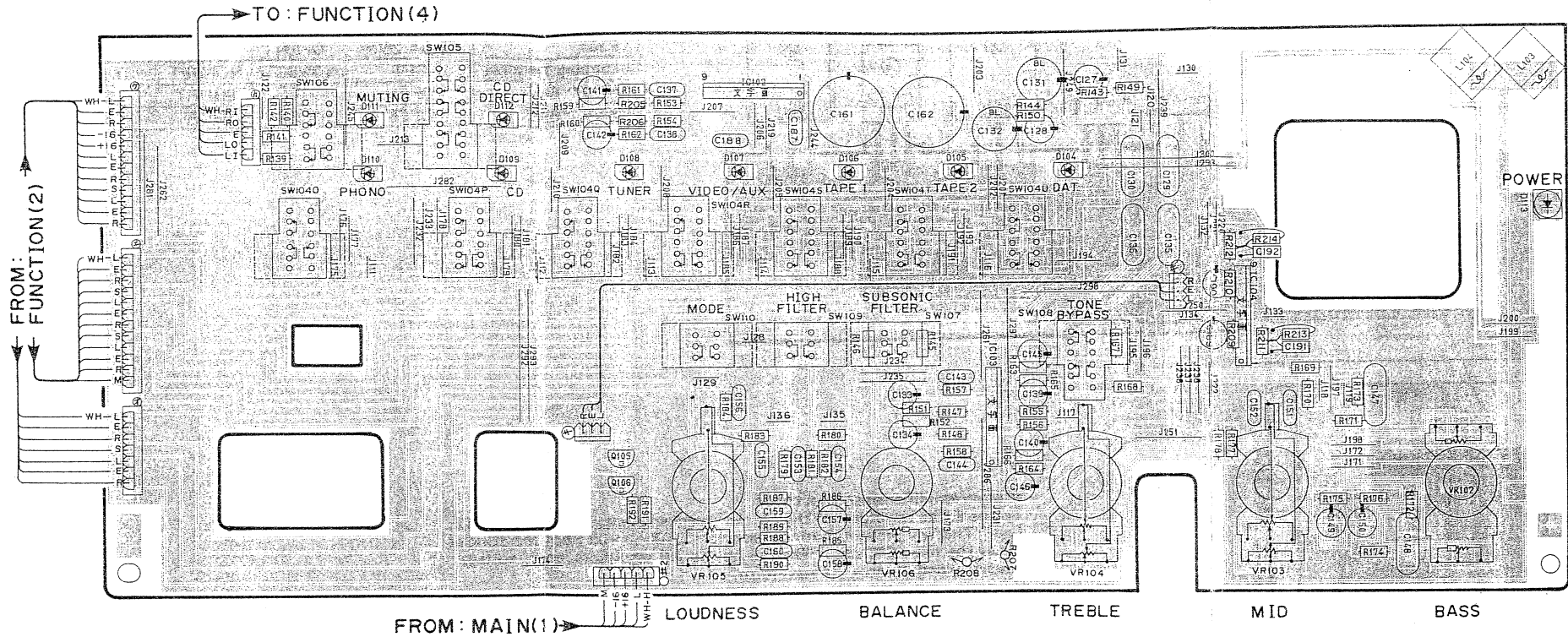
Main Circuit Board (2)



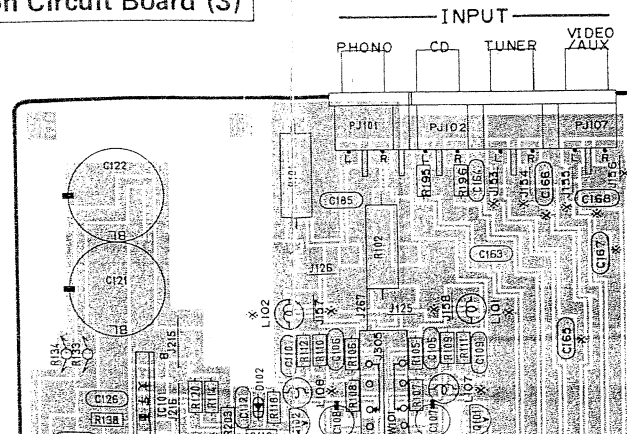
PRINTED CIRCUIT BOARD (Pattern side)

Note) 文字面 : Component side

Function Circuit Board (1)



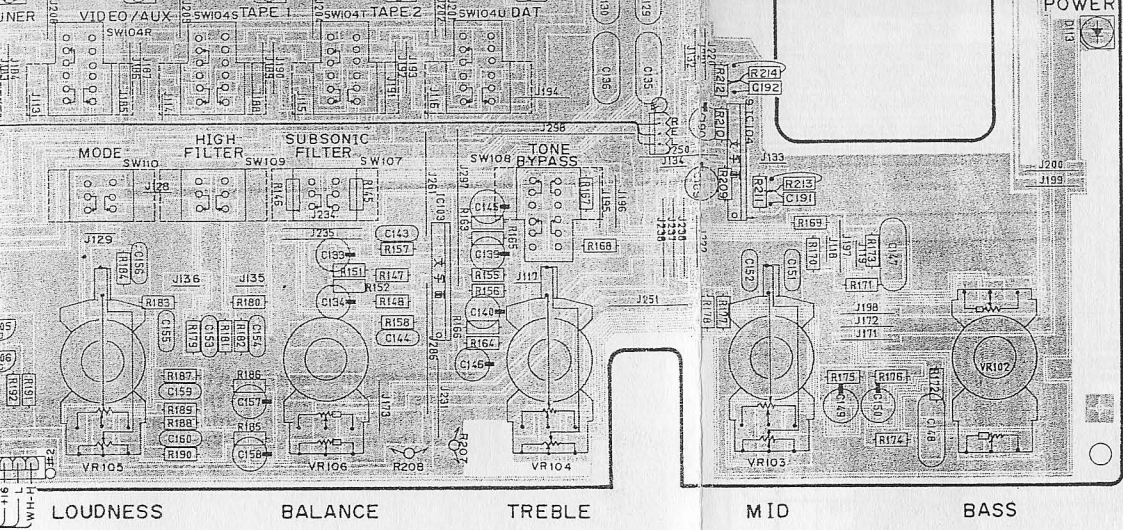
Function Circuit Board (3)



Function Circuit Board (4)

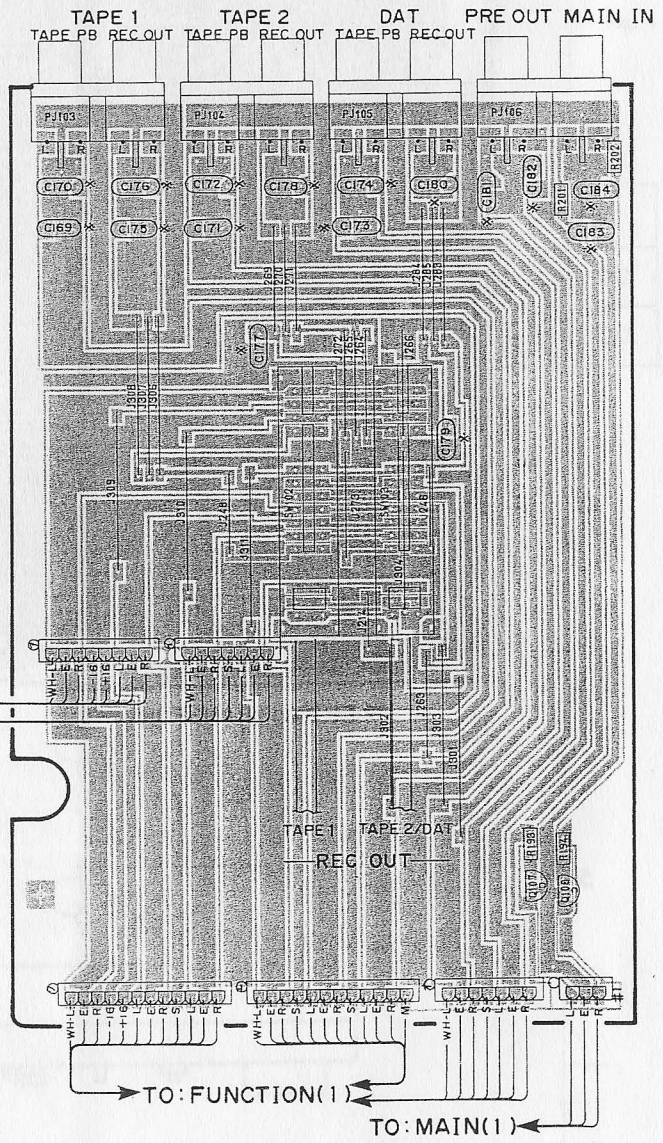
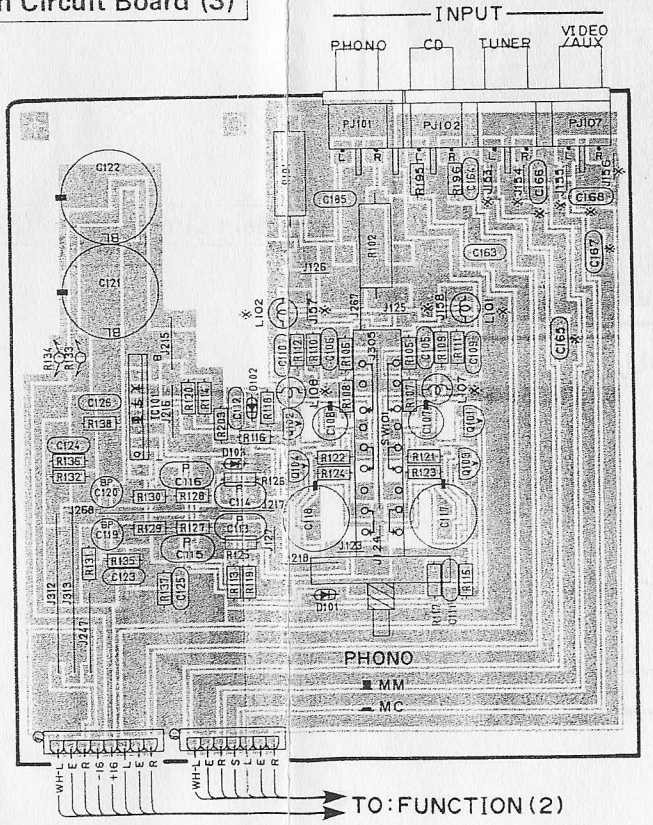






Function Circuit Board (2)

Function Circuit Board (3)



FROM: FUNCTION (3)

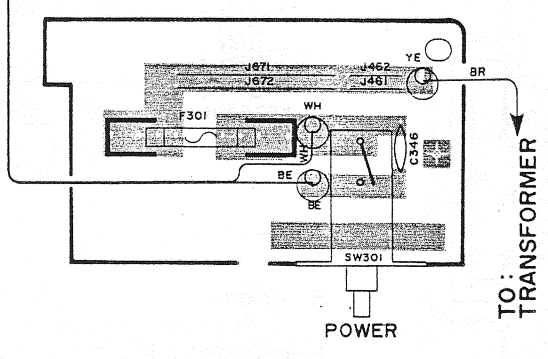
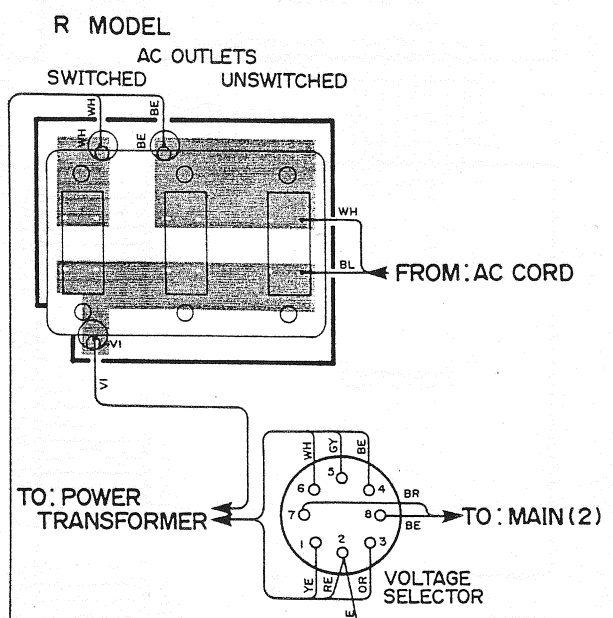
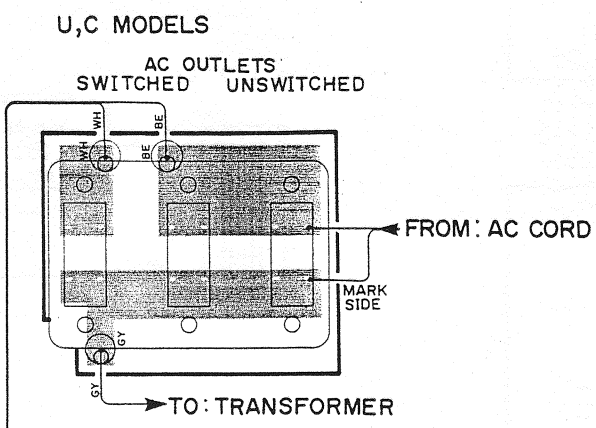
TO: FUNCTION (1)

TO: MAIN (1)

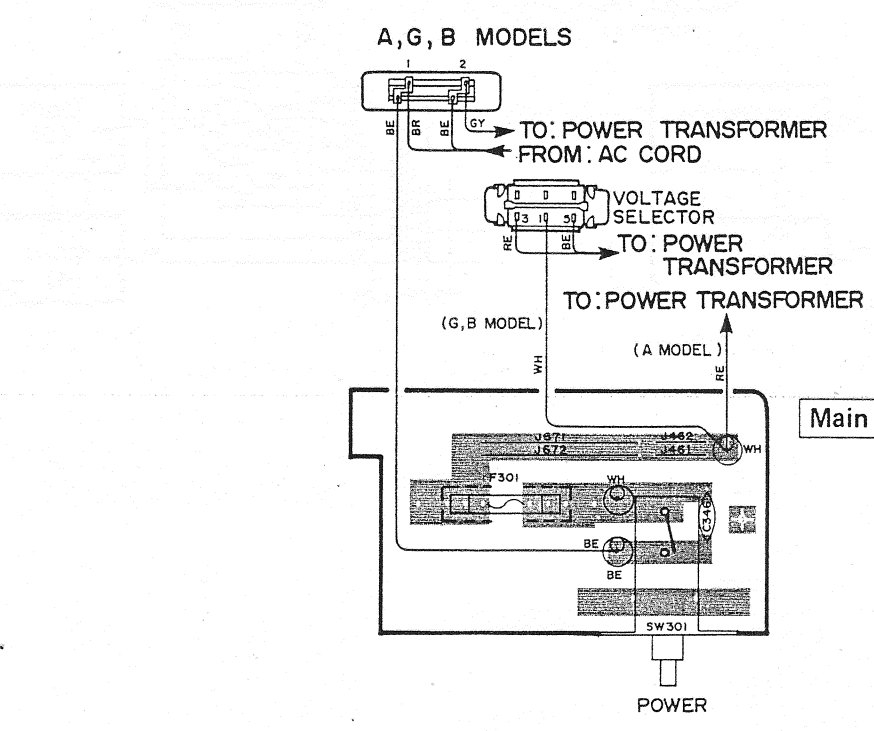
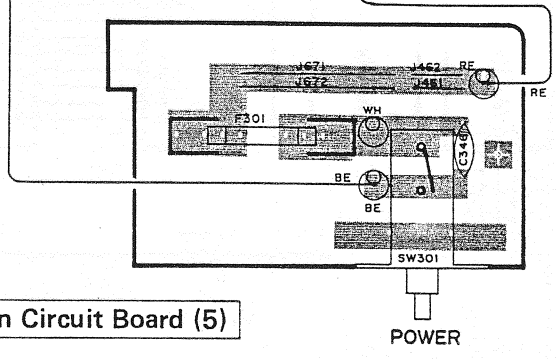


# PRINTED CIRCUIT BOARD (Pattern side)

## Main Circuit Board (4)



## Main Circuit Board (5)



## Main Circuit Board (5)

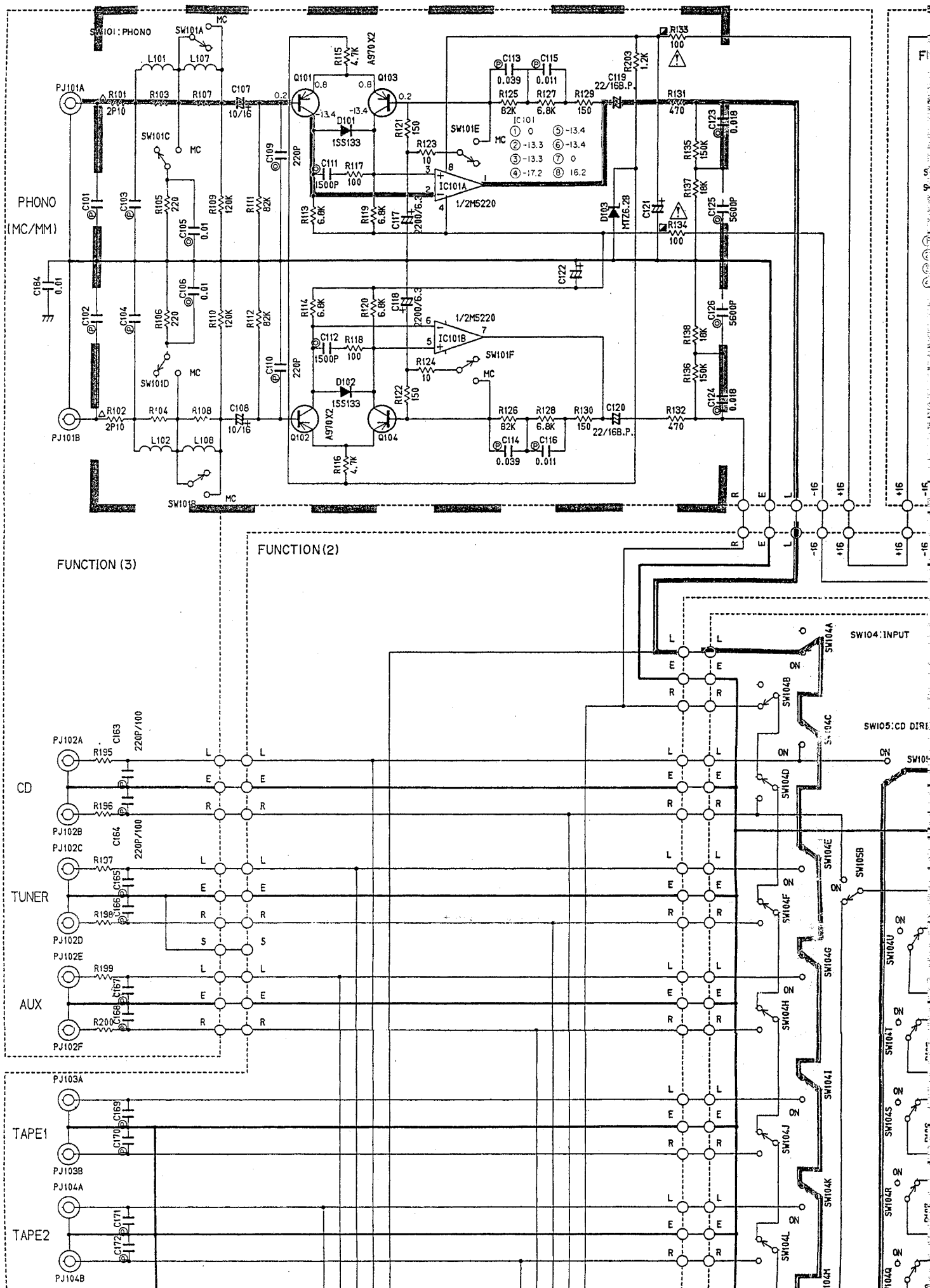
AX-900U

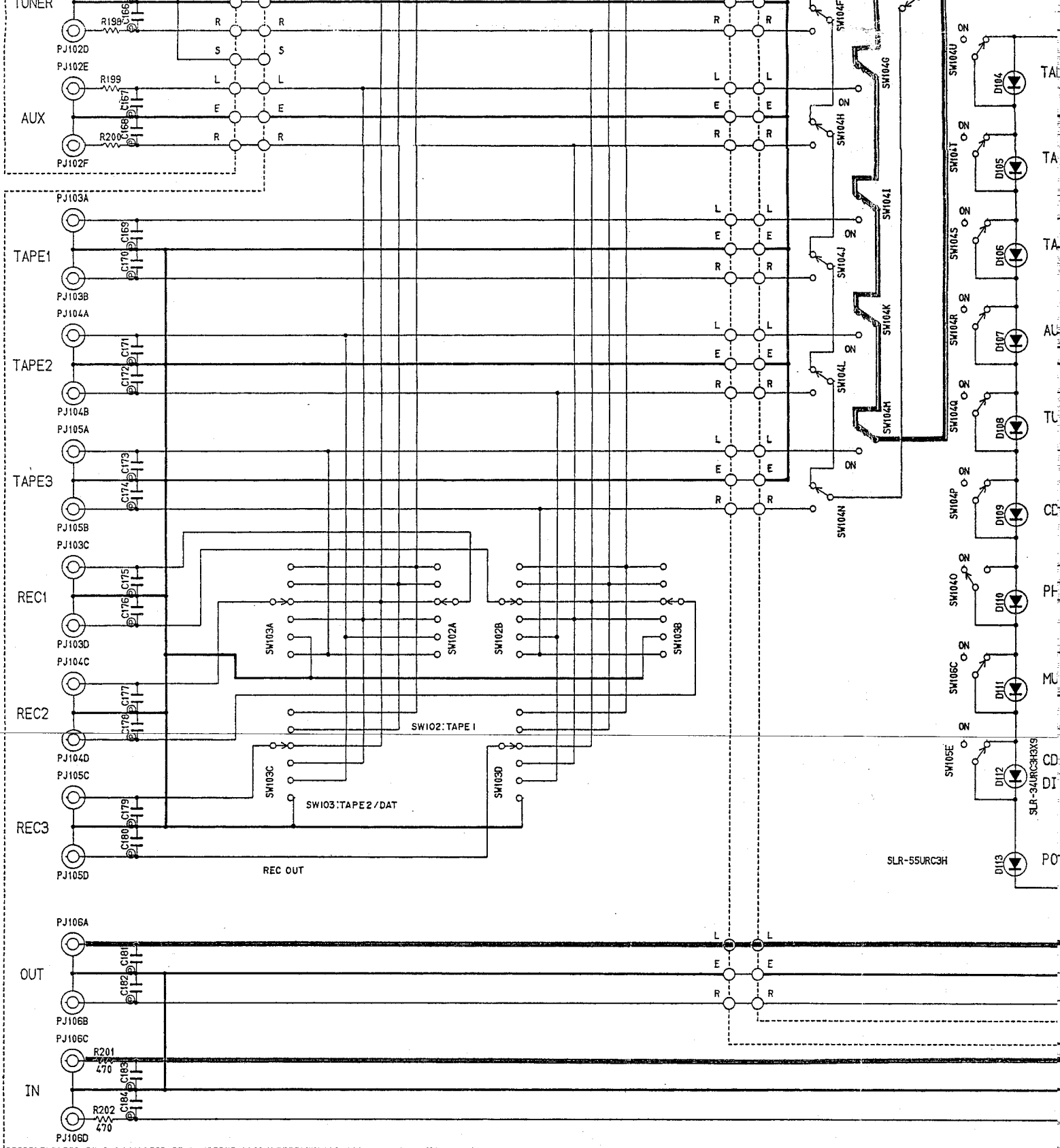




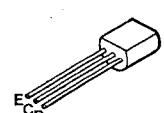
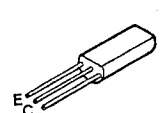
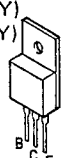
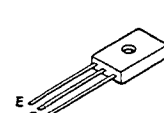
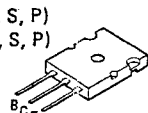

# SCHEMATIC DIAGRAM

## PHONO MM/MC AMP





**PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.**

|  |  |  |   |  |  |
|--|--|--|---|--|--|
| <p>2SA970 (GR, BL)<br/>2SA1207 (S, T)<br/>2SC2240 (GR, BL)<br/>2SC2909 (S, T)<br/>2SA1048 (Y, GR)<br/>2SA1015 (O, Y)<br/>2SC1815 (O, Y)<br/>2SC2878 (A, B)</p>  | <p>2SA1145 (O, Y)<br/>2SC2705 (O, Y)</p>  | <p>2SA1306 (O, Y)<br/>2SC3298 (O, Y)</p>  | <p>2SC1846 (S)<br/>2SC3964</p>  | <p>2SA1301 (R, O)<br/>2SC3280 (R, O)<br/>2SB1162 (O, S, P)<br/>2SD1717 (O, S, P)</p>  | <p>1S1555<br/>1S2473<br/>1SS82<br/>1SR35-100A<br/>HZ24-2<br/>HZ16-3L<br/>5FB20</p>  |
|--|--|--|---|--|--|



### PRE AMP

### CD DIRECT

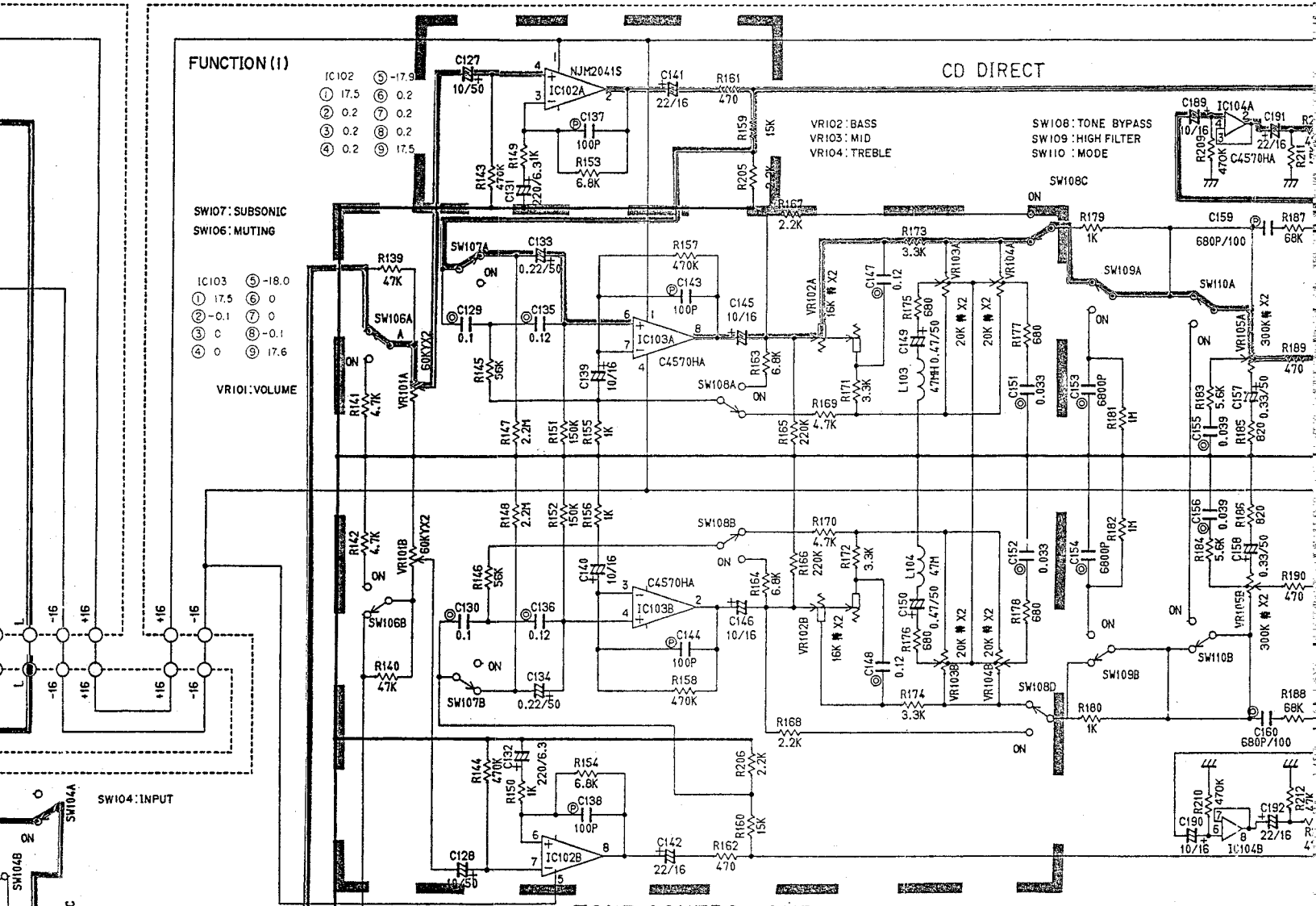
#### FUNCTION (1)

|       |      |       |      |
|-------|------|-------|------|
| IC102 | ⑤    | -17.9 |      |
| ①     | 17.5 | ⑥     | 0.2  |
| ②     | 0.2  | ⑦     | 0.2  |
| ③     | 0.2  | ⑧     | 0.2  |
| ④     | 0.2  | ⑨     | 17.5 |

SW107: SUBSONIC  
SW106: MUTING

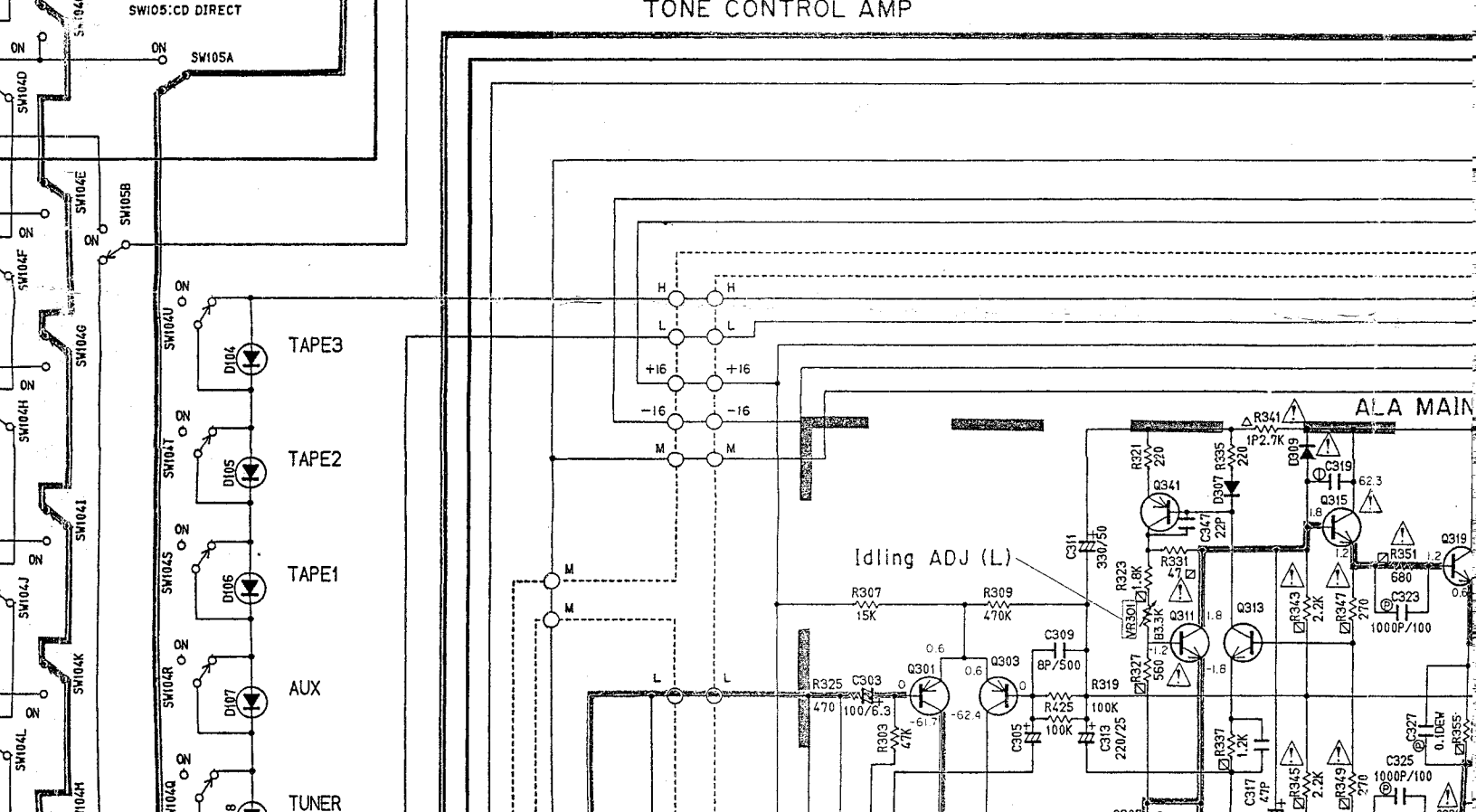
|       |      |       |      |
|-------|------|-------|------|
| IC103 | ⑤    | -18.0 |      |
| ①     | 17.5 | ⑥     | 0    |
| ②     | -0.1 | ⑦     | 0    |
| ③     | 0    | ⑧     | -0.1 |
| ④     | 0    | ⑨     | 17.6 |

VR101: VOLUME



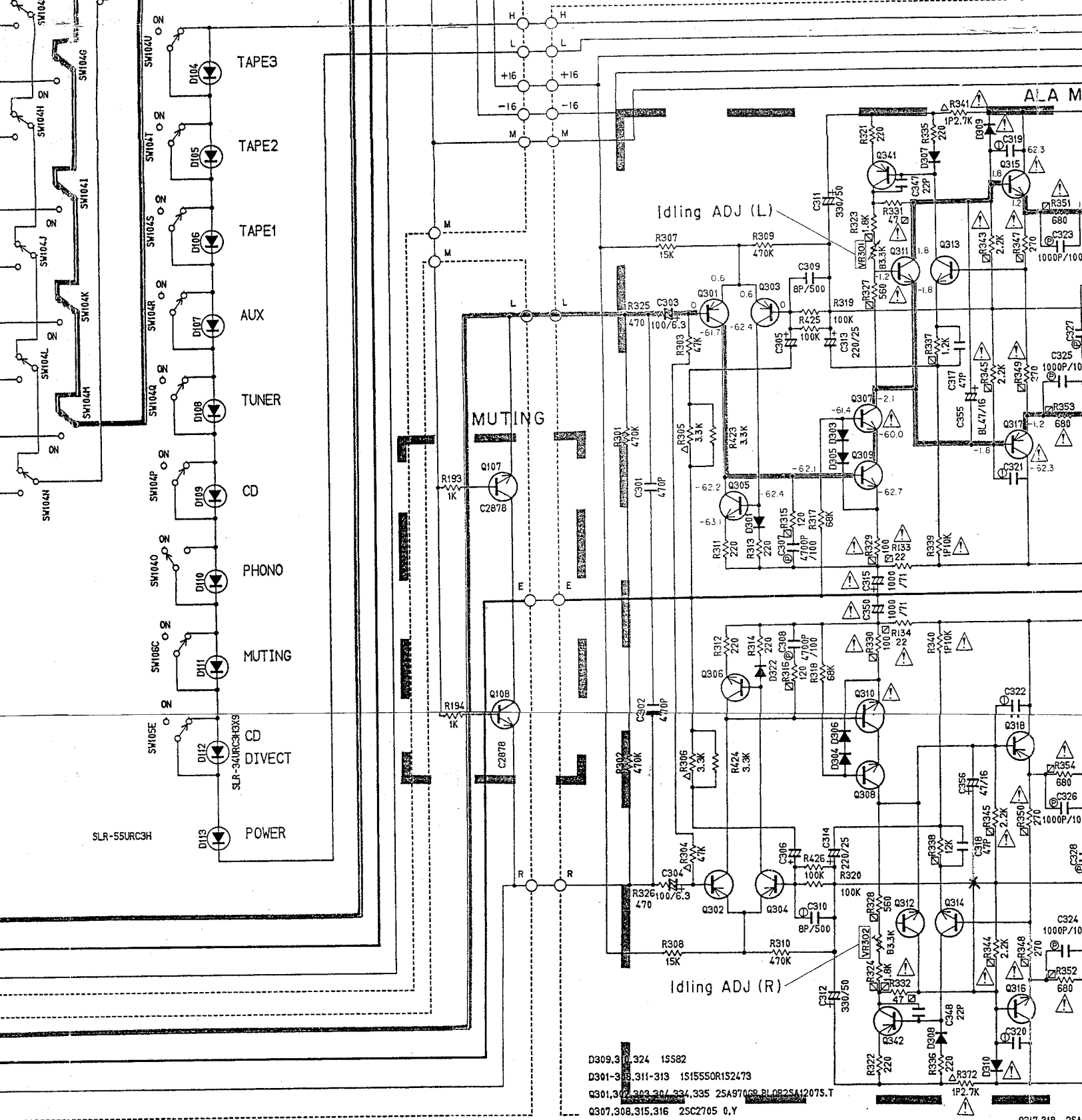
### TONE CONTROL AMP

### ALA MAIN



- TAPE3
- TAPE2
- TAPE1
- AUX
- TUNER

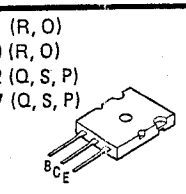
Idling ADJ (L)



SLR-55URC3H

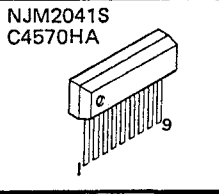
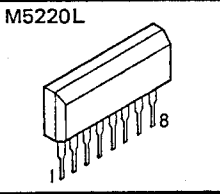
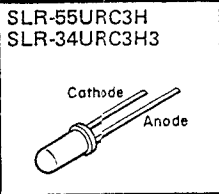
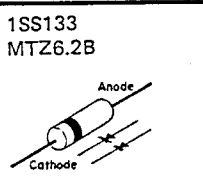
- D309,310,324 1S582
- D301-308,311-313 1S1550R152473
- Q301,302,303,304,334,335 25A970GR,BLOR25A12075.T
- Q307,308,315,316 25C2705 0,Y
- Q309,310,25C18150,YOR25C2458Y,GR
- Q311,312,25C184650R25C3964
- Q341,342,25A10150Y,OR25A1048Y,GR
- Q313,314,333,336-339,25C22406R,BLOR25C29095.T
- 305,306 331,332

- Q317,318 25A
- Q319,320 25C
- Q321,322 25A
- Q323,327,324,325
- Q225,329,326,327



(R, O)  
(R, O)  
(Q, S, P)  
(Q, S, P)

1S1555  
1S2473  
1SS82  
1SR35-100A  
HZ24-2  
HZ16-3L  
5FB20



SLR-55URC3H  
SLR-34URC3H3

M5220L

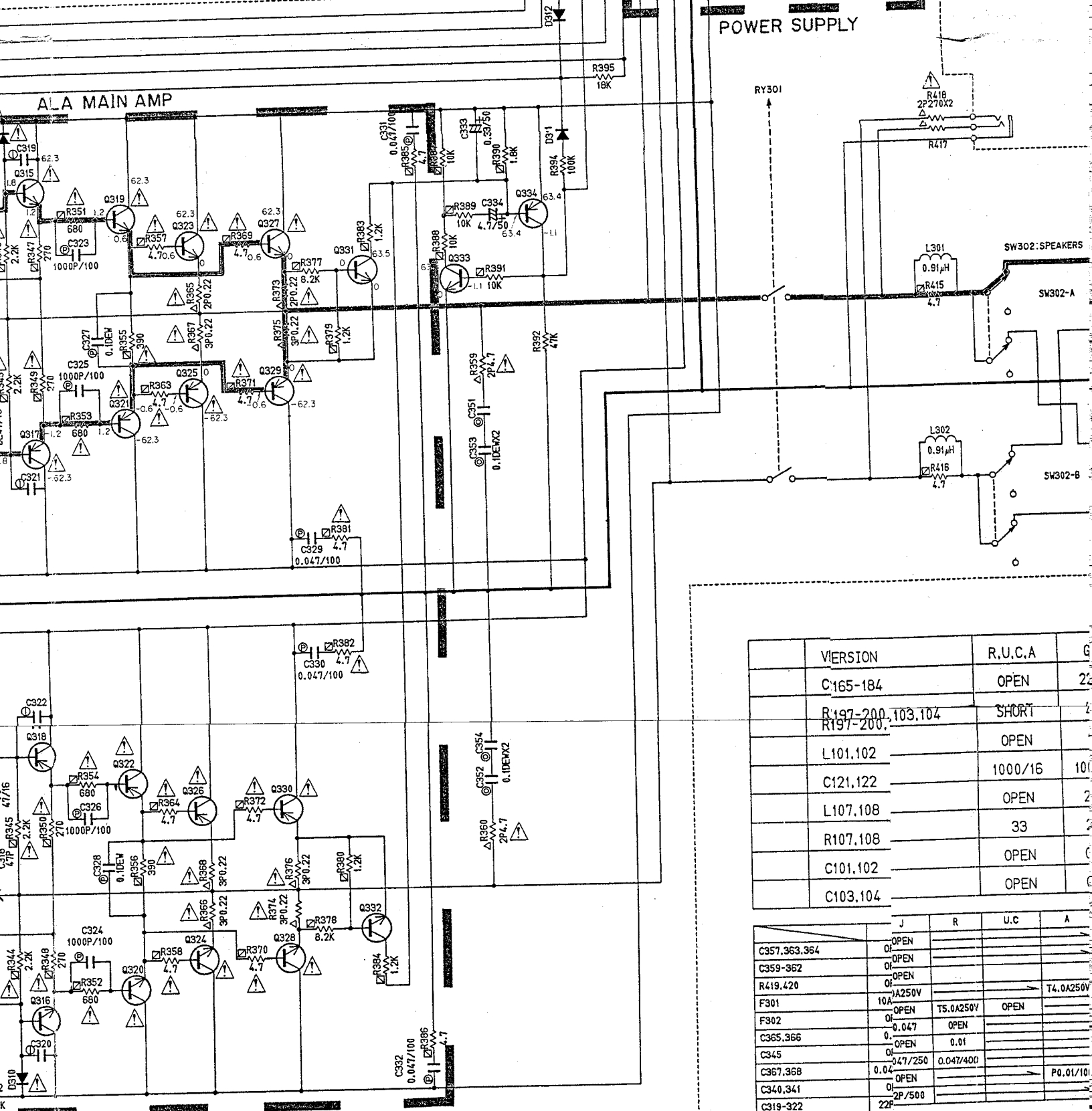
NJM2041S  
C4570HA





POWER SUPPLY

ALA MAIN AMP

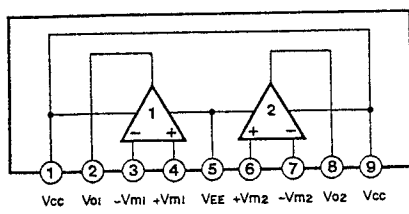


- Q317,318 2SA11450,Y
- Q319,320 2SC32980,Y
- Q321,322 2SA13060,Y
- Q323,327,324,328,25C3280R,00R25D1717Q,S,P
- Q25,329,326,330 2SA1301R,00R25B1162Q,S,P

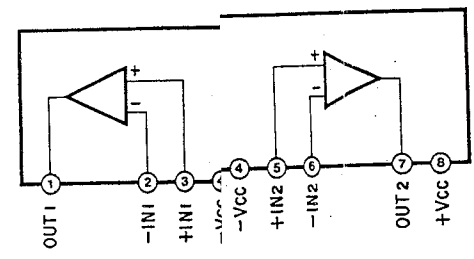
| VERSION          | R.U.C.A | G  |
|------------------|---------|----|
| C165-184         | OPEN    | 22 |
| R197-200,103,104 | SHORT   | 4  |
| L101,102         | OPEN    | 10 |
| C121,122         | 1000/16 | 10 |
| L107,108         | OPEN    | 2  |
| R107,108         | 33      | 2  |
| C101,102         | OPEN    | C  |
| C103,104         | OPEN    | C  |

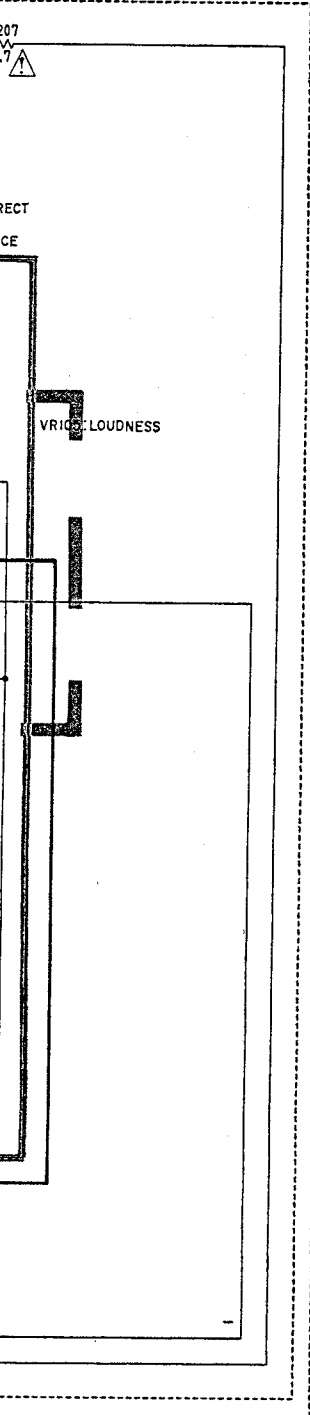
|              | J         | R         | U.C  | A         |
|--------------|-----------|-----------|------|-----------|
| C357,363,364 | OPEN      |           |      |           |
| C359-362     | OPEN      |           |      |           |
| R419,420     | OPEN      |           |      |           |
| F301         | 10A       | A250V     |      | T4.0A250V |
| F302         | OPEN      | T5.0A250V | OPEN |           |
| C365,366     | 0.047     | OPEN      |      |           |
| C345         | 0.047/250 | 0.047/400 |      |           |
| C367,368     | 0.047     | OPEN      |      | P0.01/10  |
| C340,341     | OPEN      |           |      |           |
| C319-322     | 22P       | 2P/500    |      |           |

IC103, 104:  $\mu$ PC4570HA  
IC102: NJM2041S



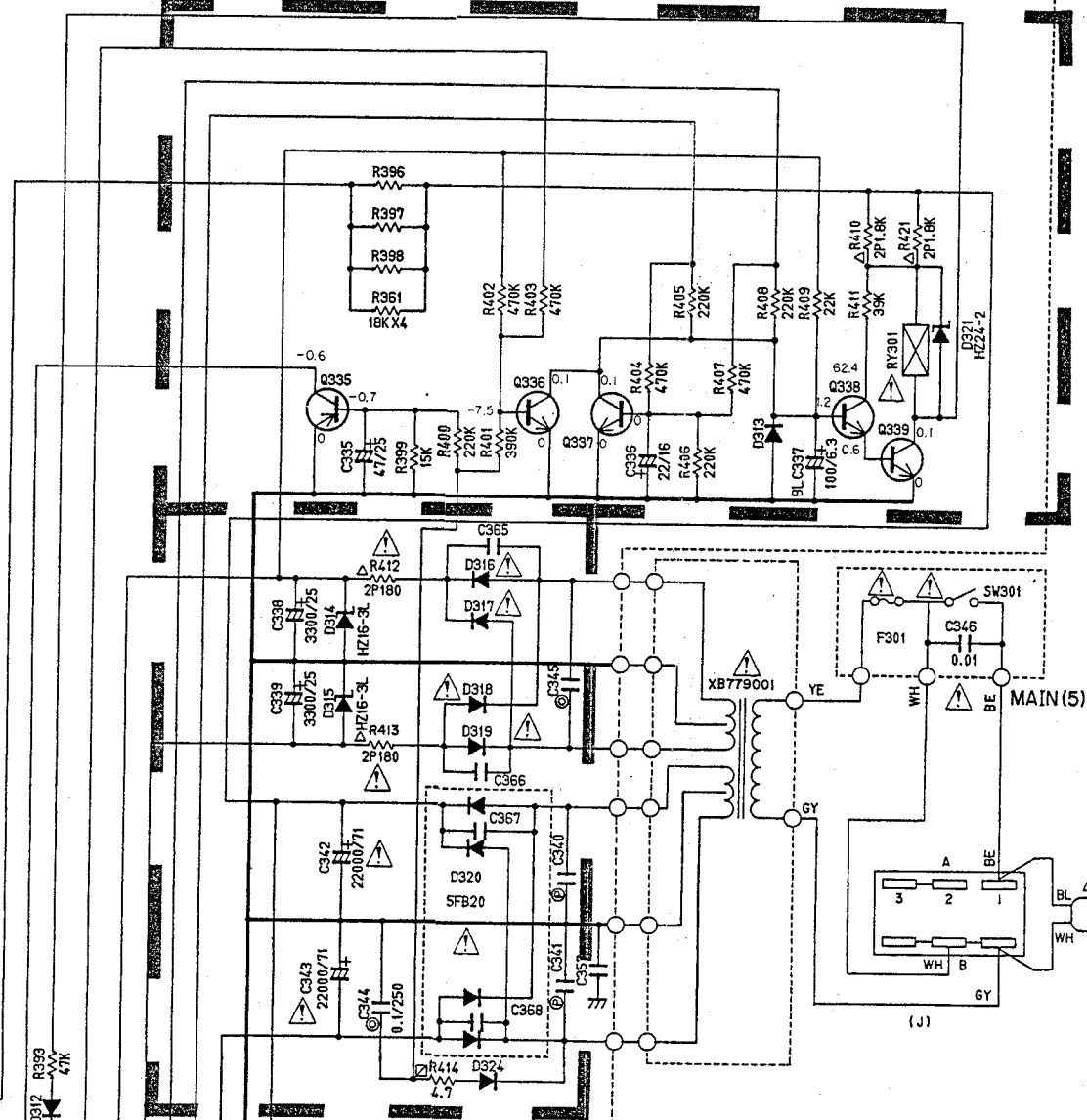
IC101: M5220L





MAIN (1)

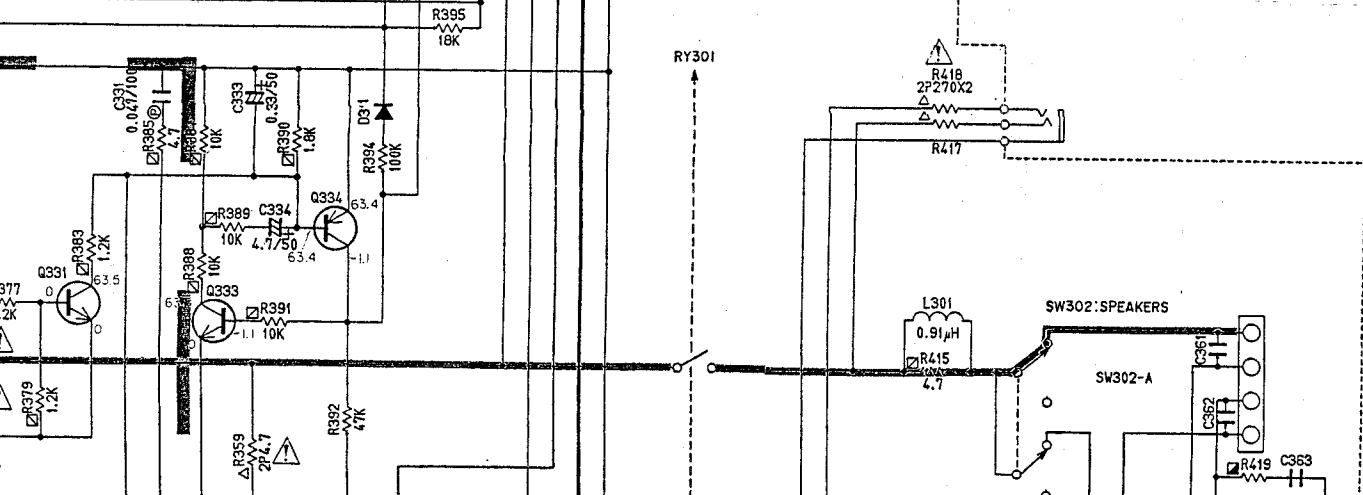
PROTECTION



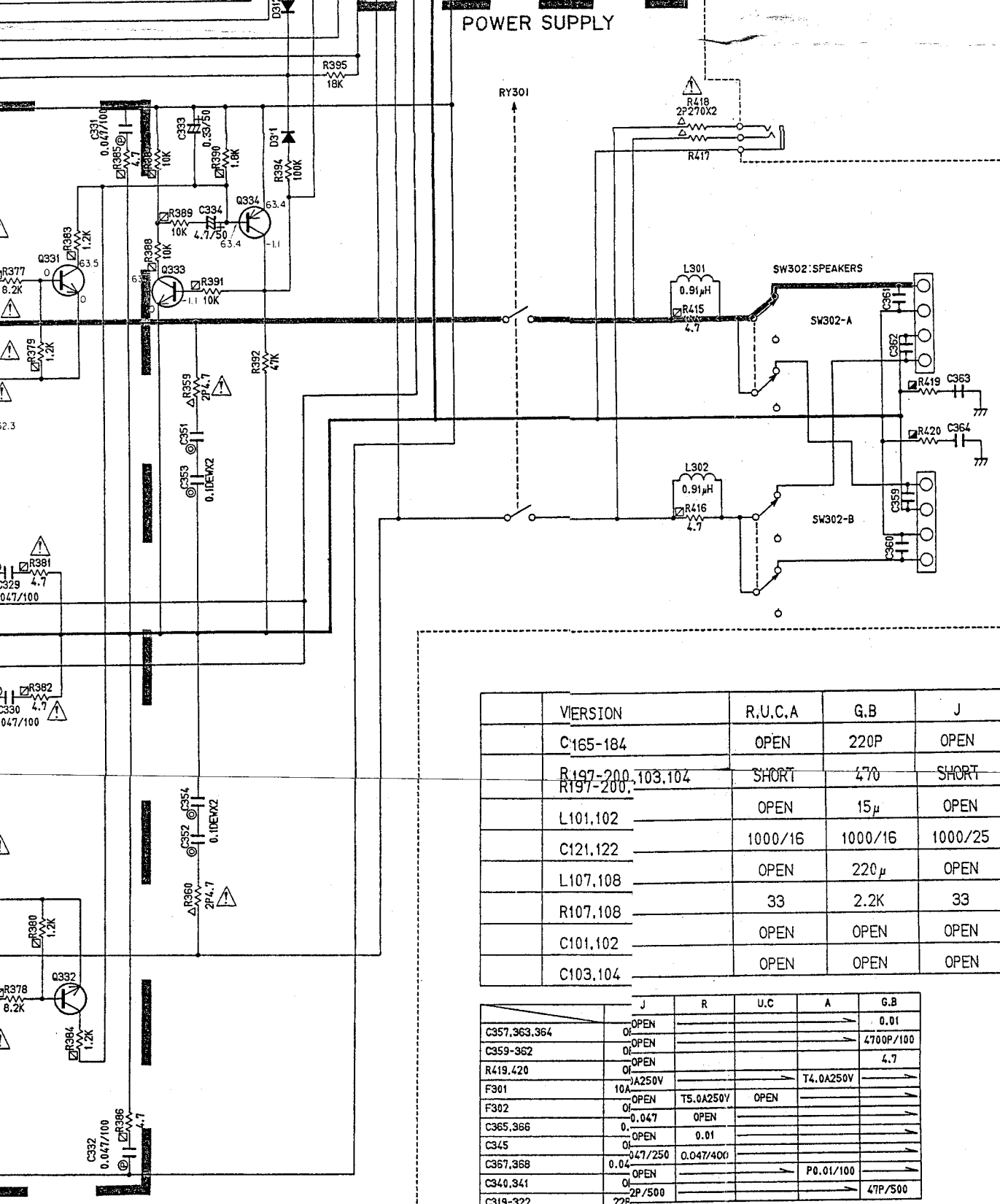
MAIN (5)

(J)

POWER SUPPLY



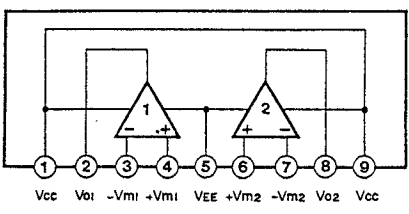
# POWER SUPPLY



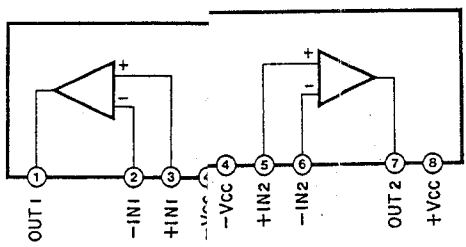
| VERSION                         | R,U,C,A | G,B       | J       |
|---------------------------------|---------|-----------|---------|
| C165-184                        | OPEN    | 220P      | OPEN    |
| R197-200, 103, 104<br>R197-200, | SHORT   | 470       | SHORT   |
| L101, 102                       | OPEN    | 15 $\mu$  | OPEN    |
| C121, 122                       | 1000/16 | 1000/16   | 1000/25 |
| L107, 108                       | OPEN    | 220 $\mu$ | OPEN    |
| R107, 108                       | 33      | 2.2K      | 33      |
| C101, 102                       | OPEN    | OPEN      | OPEN    |
| C103, 104                       | OPEN    | OPEN      | OPEN    |

|                | J         | R         | U.C  | A         | G.B       |
|----------------|-----------|-----------|------|-----------|-----------|
| C357, 363, 364 | OPEN      |           |      |           | 0.01      |
| C359-362       | OPEN      |           |      |           | 4700P/100 |
| R419, 420      | OPEN      |           |      |           | 4.7       |
| F301           | 10A 250V  |           |      | T4.0A250V |           |
| F302           | OPEN      | TS.0A250V | OPEN |           |           |
| C365, 366      | 0.047     | OPEN      |      |           |           |
| C345           | OPEN      | 0.01      |      |           |           |
| C367, 368      | 0.047/250 | 0.047/400 |      |           |           |
| C340, 341      | OPEN      |           |      | P0.01/100 |           |
| C319-322       | 22P       |           |      |           | 47P/500   |

IC103, 104:  $\mu$ PC4570HA  
IC102: NJM2041S



IC101: M5220L



\* All voltages are measured with a 10M $\Omega$ /D  
\* Components having special characteristics must be replaced with parts having special characteristics originally installed.  
\* Schematic diagram is subject to change without notice.