

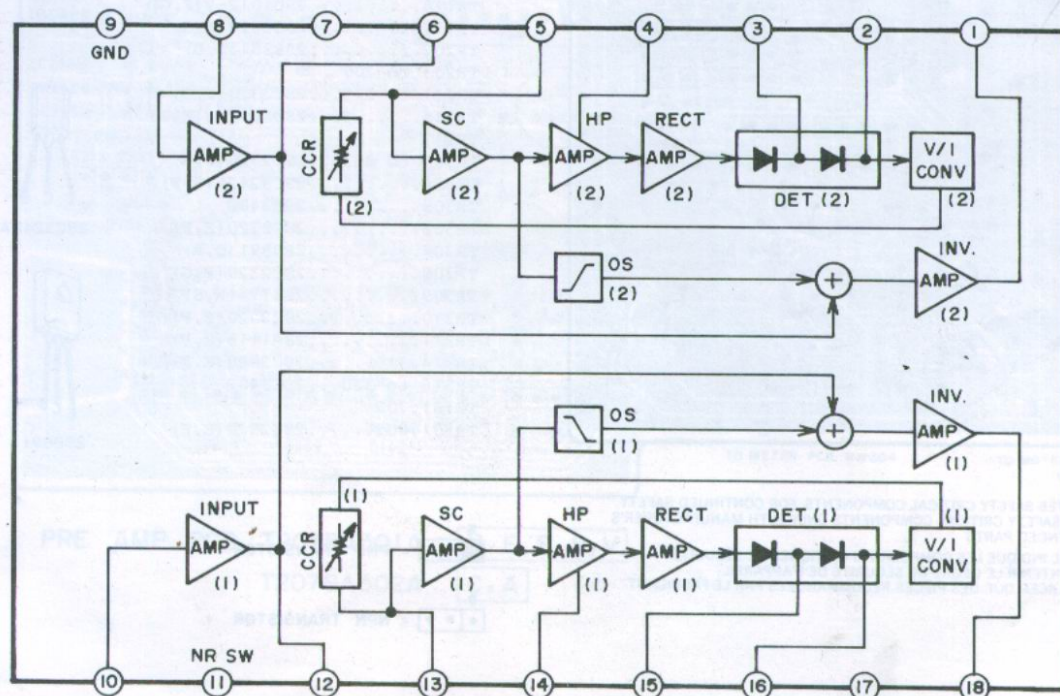
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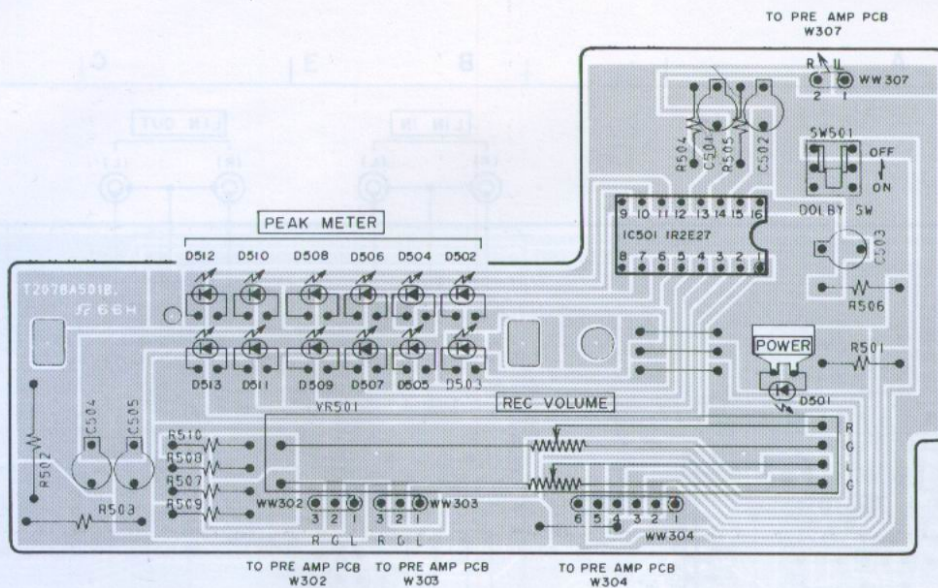
AKAI

MODEL HX-A301W

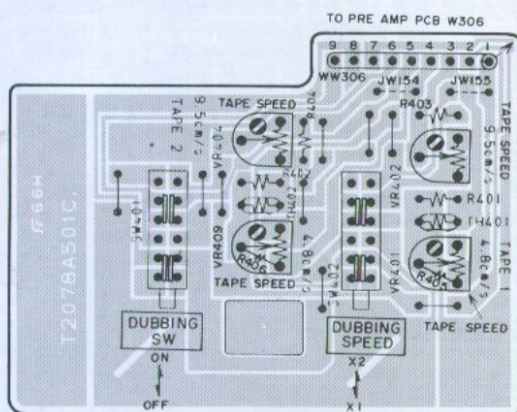
SCHEMATIC DIAGRAM AND PC BOARDS

HA12045



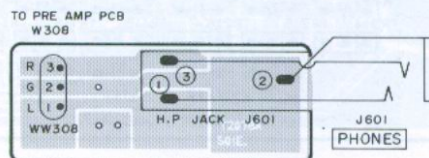
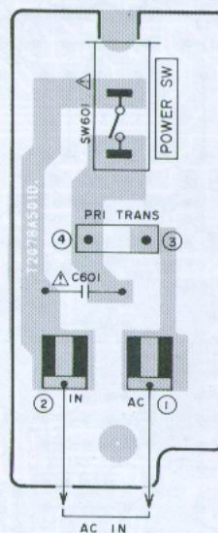


METER PCB T2078A501B U, E, B, S, V
T2078A502B C, A



MOTOR SPEED CONTROL PCB
T2078A501C U, E, B, S, V
T2078A502C C, A

POWER SW PCB
T2078A501D U, E, B, S, V
T2078A502D C, A



HEAD PHONE PCB
T2078A501E U, E, B, S, V
T2078A502E C, A

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

A

B

C

D

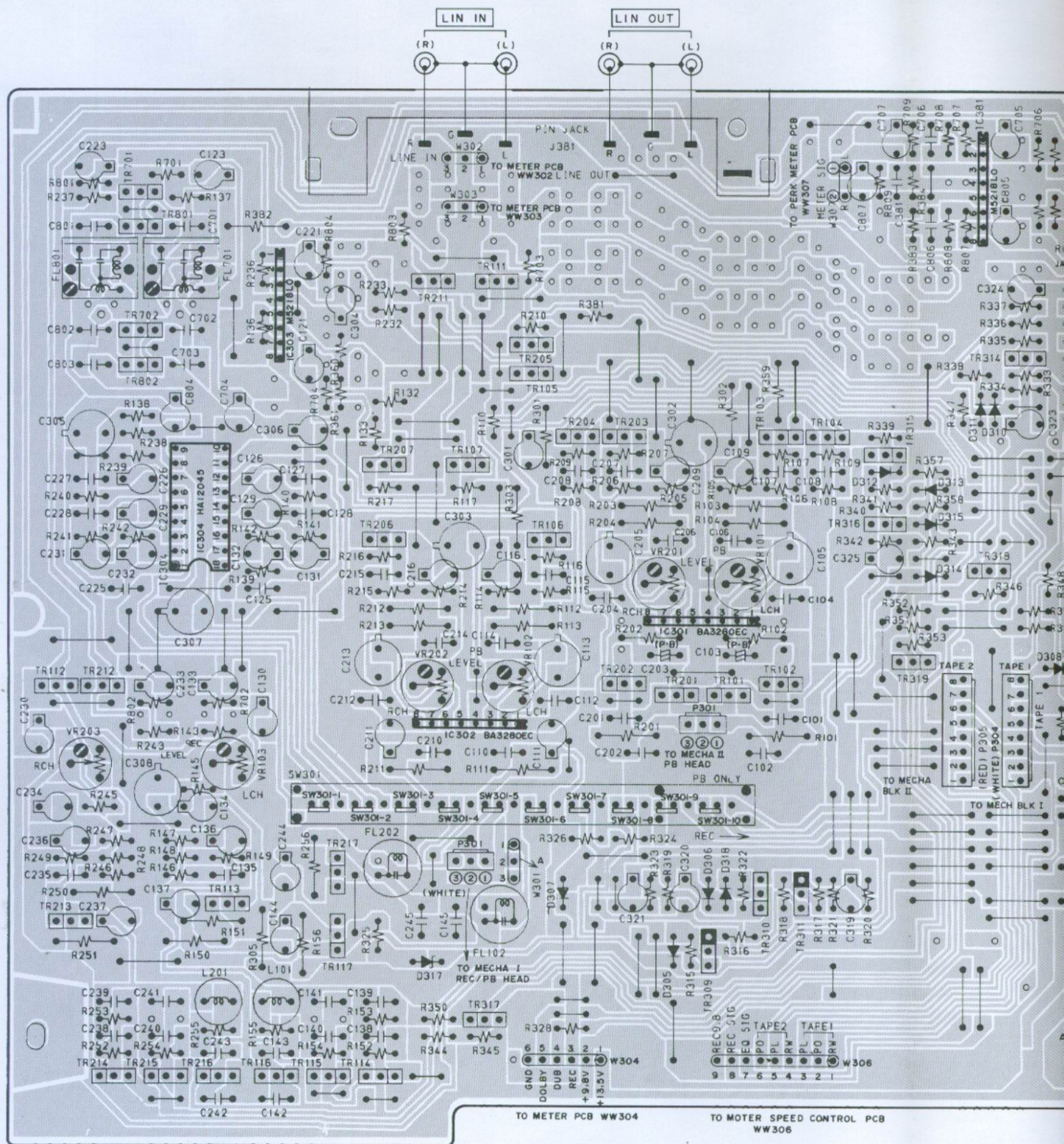
1

2

3

4

5

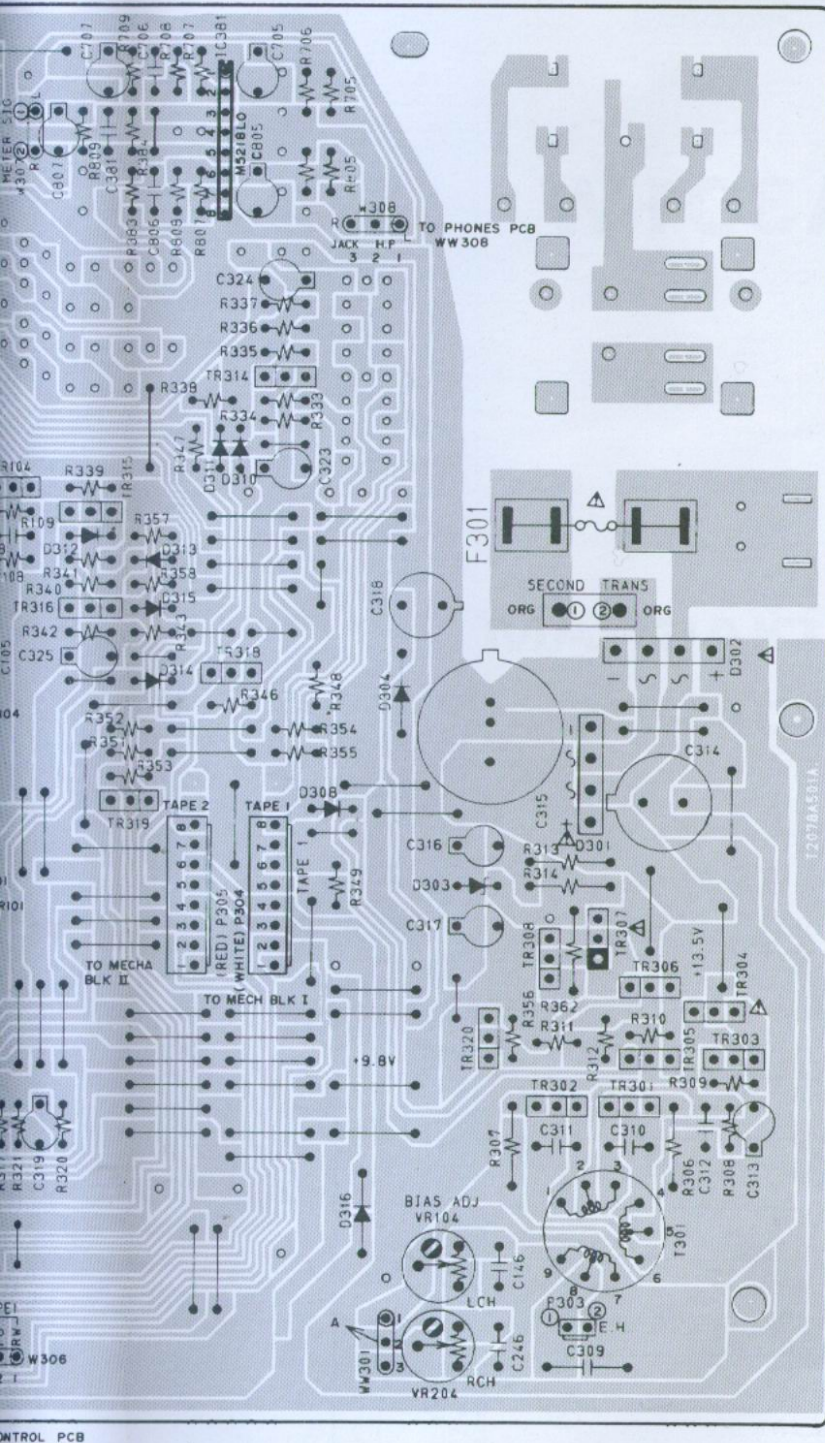


PRE AMP PCB T2078A501A
T2078A502A

U, E, B, S, V

C, A

WARNING: Δ INDICA
REPLACE
RECOMM
AVERTISSEMENT: Δ
POUR MA
NE REMPI



WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

LOCATION OF COMPONENTS

TRs

TR101,102.....C3
TR103,104.....C2
TR105.....B2
TR106.....B3
TR107.....B2
TR111.....B1
TR112.....A3
TR113.....A4
TR114,115.....B5
TR116.....A5
TR117.....B5
TR201,202.....C3
TR203,204.....C2
TR205.....B2
TR206.....B3
TR207.....B2
TR211.....B1
TR212.....A3
TR213.....A4
TR214 to 216.....A5
TR217.....B4
TR301 to 308.....E4
TR309.....C5
TR310,311.....C4
TR314,315.....D2
TR316.....D3
TR317.....B5
TR318,319.....D3
TR320.....E4

TR701.....A1
TR702.....A2
TR801.....A1
TR802.....A2

ICs

IC301.....C3
IC302.....B4
IC303.....A1/A2
IC304.....A2/A3
IC381.....D1

CONNECTIONS

W301.....B4
WW301.....E5
W302,303.....B1
W304,306.....C5
W307.....D1
W308.....E1
T101.....E3
P301.....B4
P302.....C4
P303.....E5
P304.....D4
P305.....D4

TR101.....2SC2320 (F,G)
TR102.....2SK381 (C,D)
TR103 to 107
TR111 to 115...2SC2320 (F,G)
TR116.....2SD1012-V (F,G)
TR117,201.....2SC2320 (F,G)
TR202.....2SK381 (C,D)
TR203 to 207
TR211 to 215...2SC2320 (F,G)
TR216.....2SD1012-V (F,G)
TR217
TR301 to 303...2SC2320 (F,G)
TR304.....2SC3242A (E,F)
TR305.....2SC3402
TR306.....2SC2320 (E,F)
TR307.....2SB891 (Q,R)
TR308.....2SC2320 (F,G)
TR309.....2SB774 (R,S)
TR310.....2SC2320 (E,F)
TR311.....2SA1115 (E,F)
TR314,315.....2SC2320 (E,F)
TR316 to 320...2SC3402
TR701,702
TR801,802.....2SC2320 (E,F)



2SK381



2SC2274K
2SC2320
2SB774



2SC3242A



2SA1115
2SC3402
2SD1012-V



2SB891

$\begin{matrix} B \\ \bullet \bullet \bullet \end{matrix}$ = PNP TRANSISTOR

$\begin{matrix} B \\ \square \bullet \bullet \end{matrix}$ = NPN TRANSISTOR

HX-A301W

04

PB HEAD
HY424528SVK

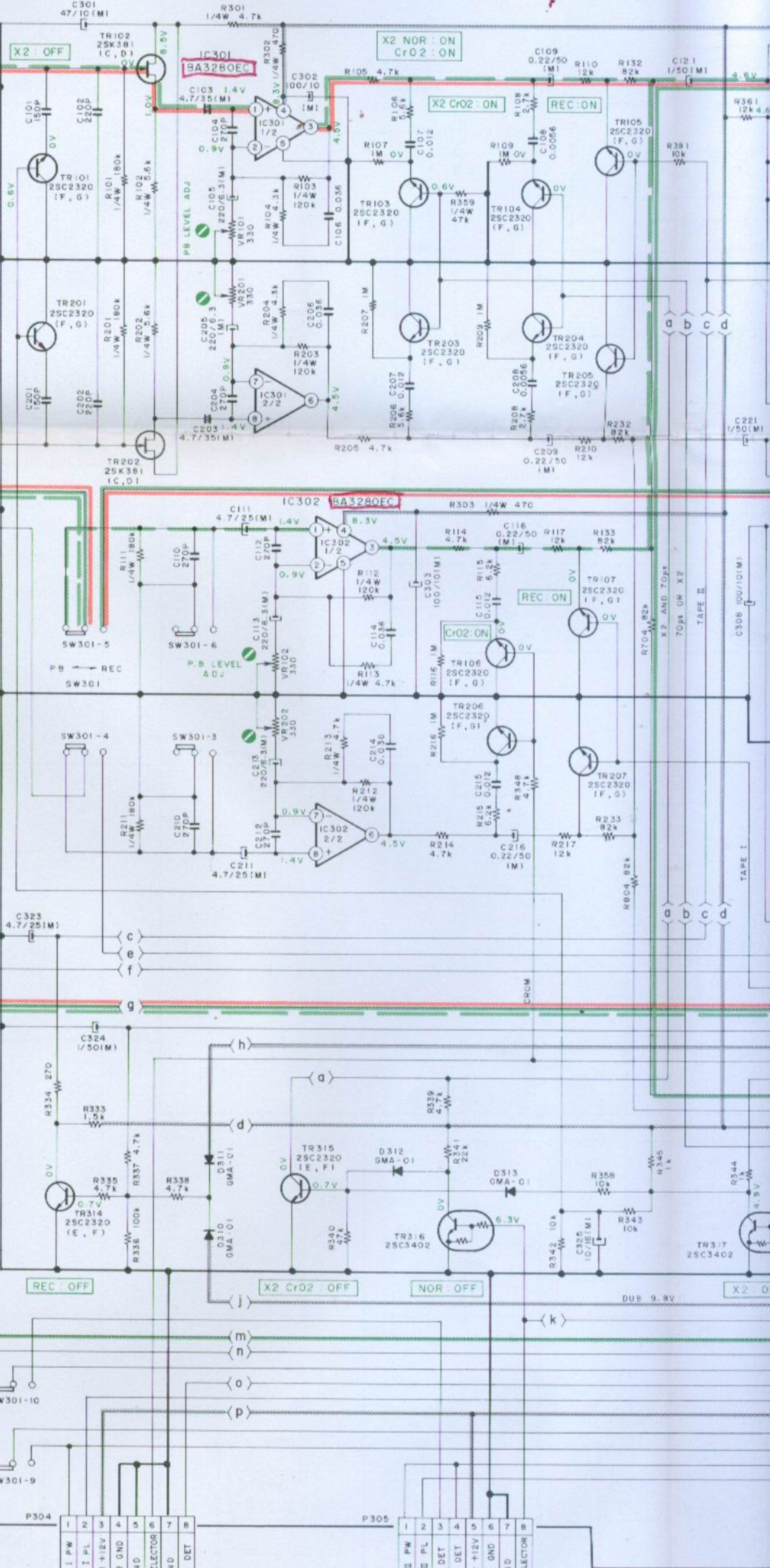
TAPE II

REC/PB HEAD
HY424528SVK

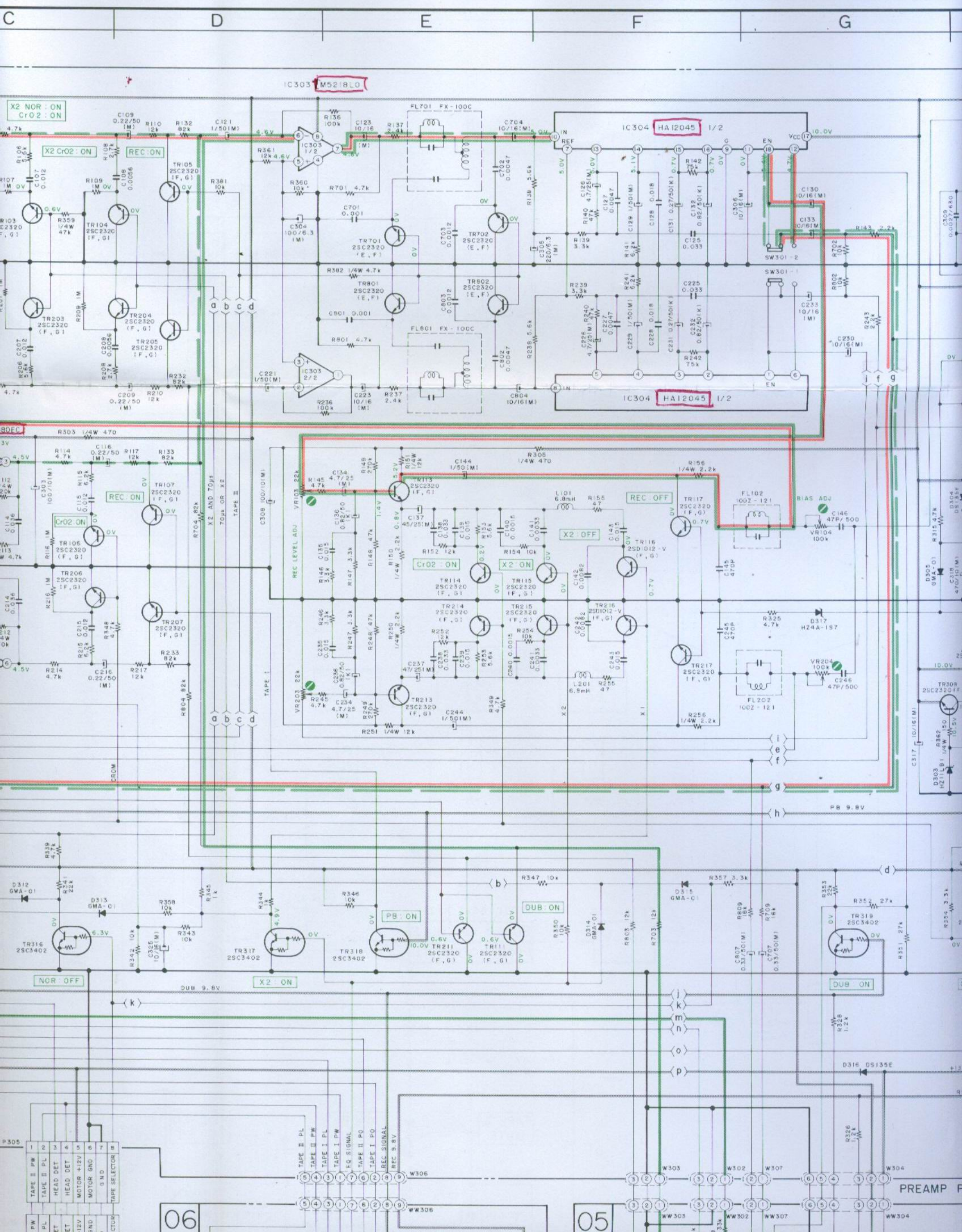
TAPE I

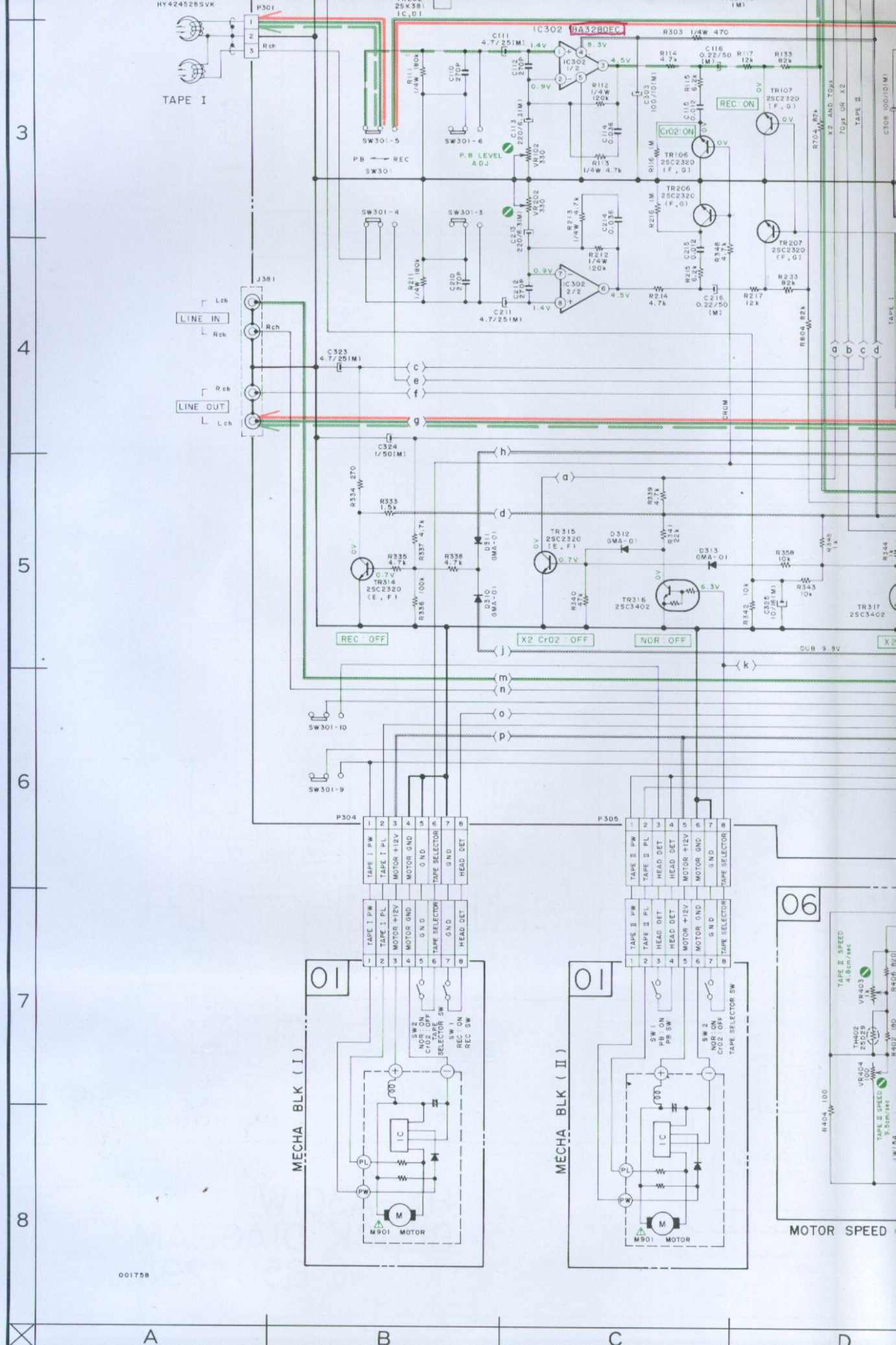
LINE IN

LINE OUT



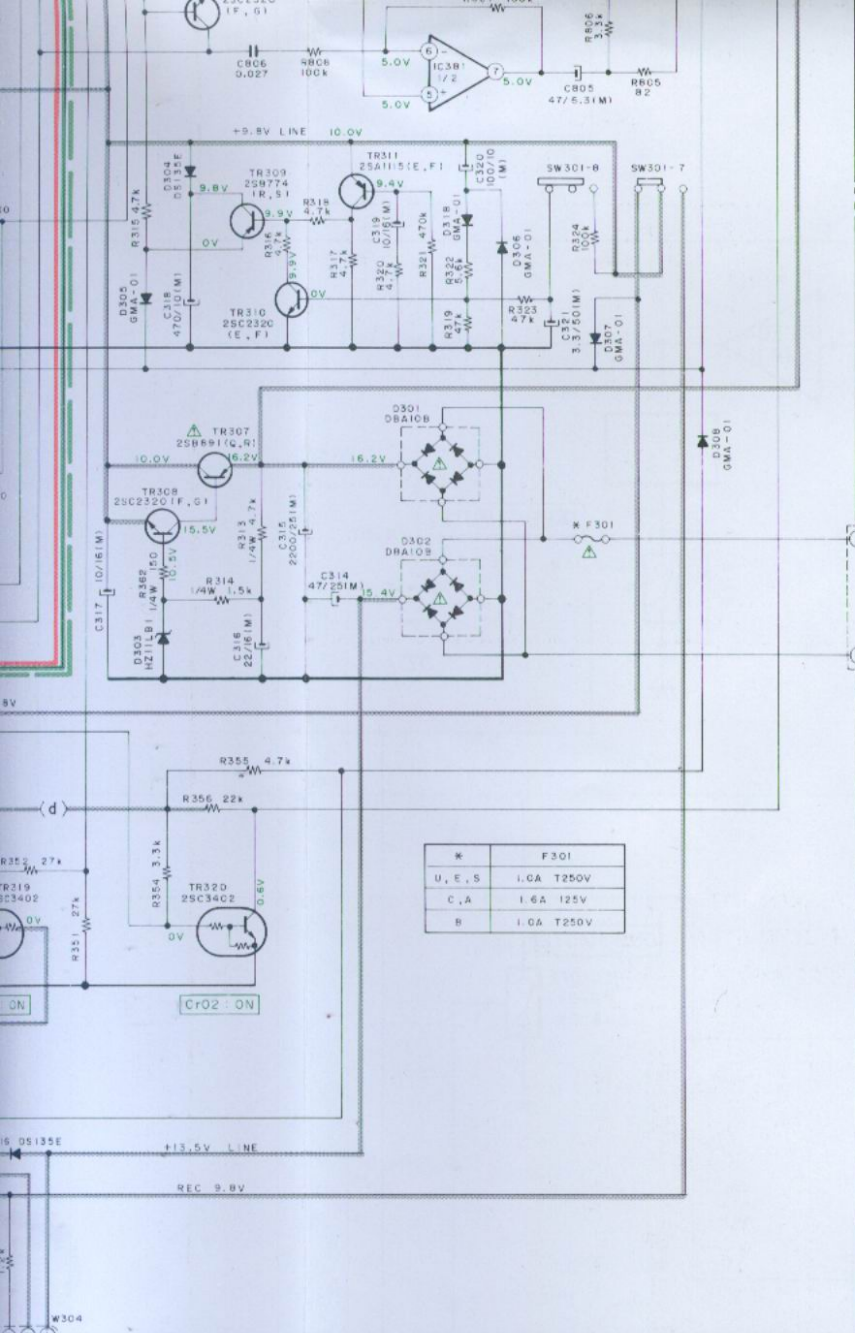
06





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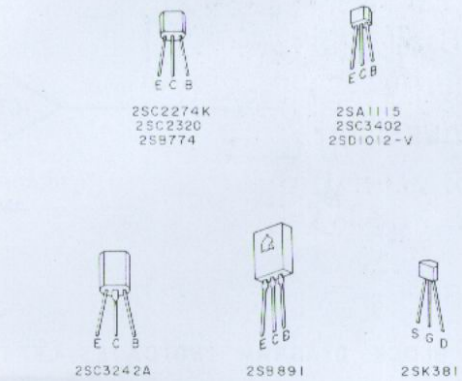
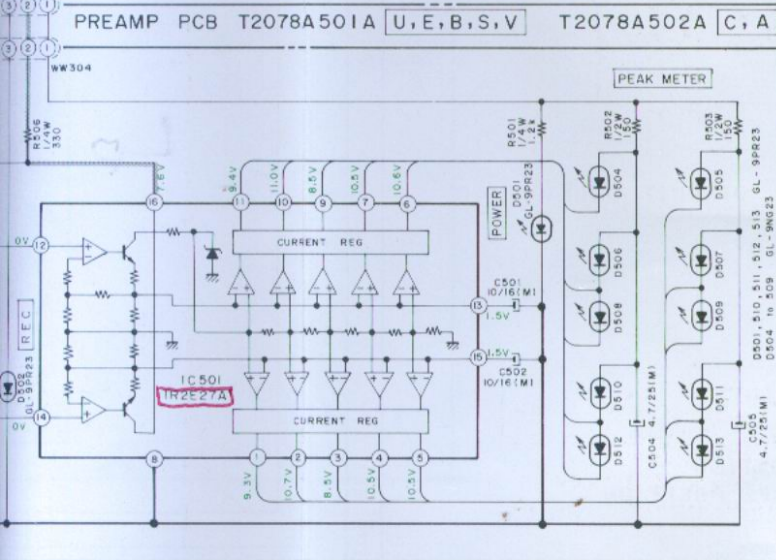
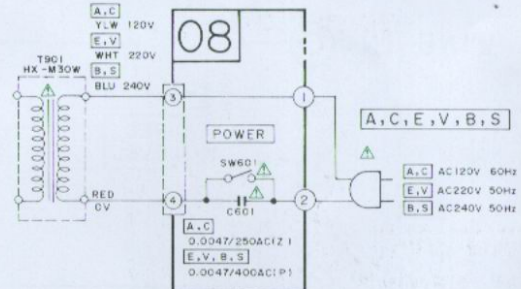
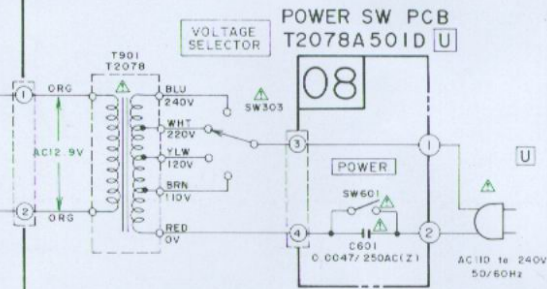




HEAD PHONE PCB
T2078A501E U, E, B, S, V
A502 E C, A

LEGEND:

- B (POWER SUPPLY) LINE
- REC SIGNAL LINE
- PB SIGNAL LINE
- DUBBING SIGNAL LINE



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NOTE: UNLESS OTHERWISE SPECIFIED, ALL RESISTORS IN OHMS 1/6W(J), ALL CAPACITORS IN μF 50WV(J). POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA.

HX - A301W
SCHEMATIC DIAGRAM
No. 850613A

T2078A502B C, A

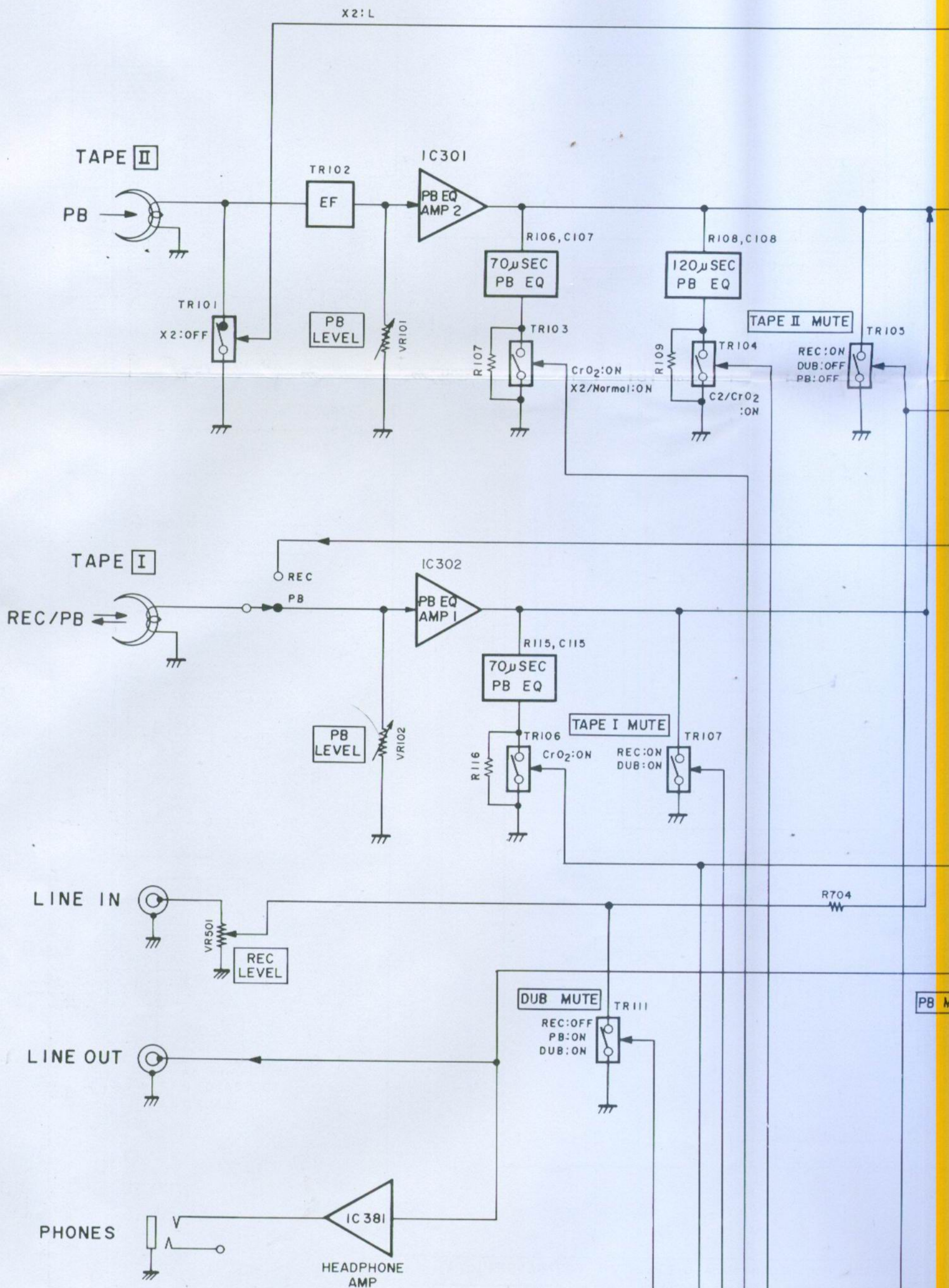
INDICATED VOLTAGES ARE 315Hz P.B. MODE.

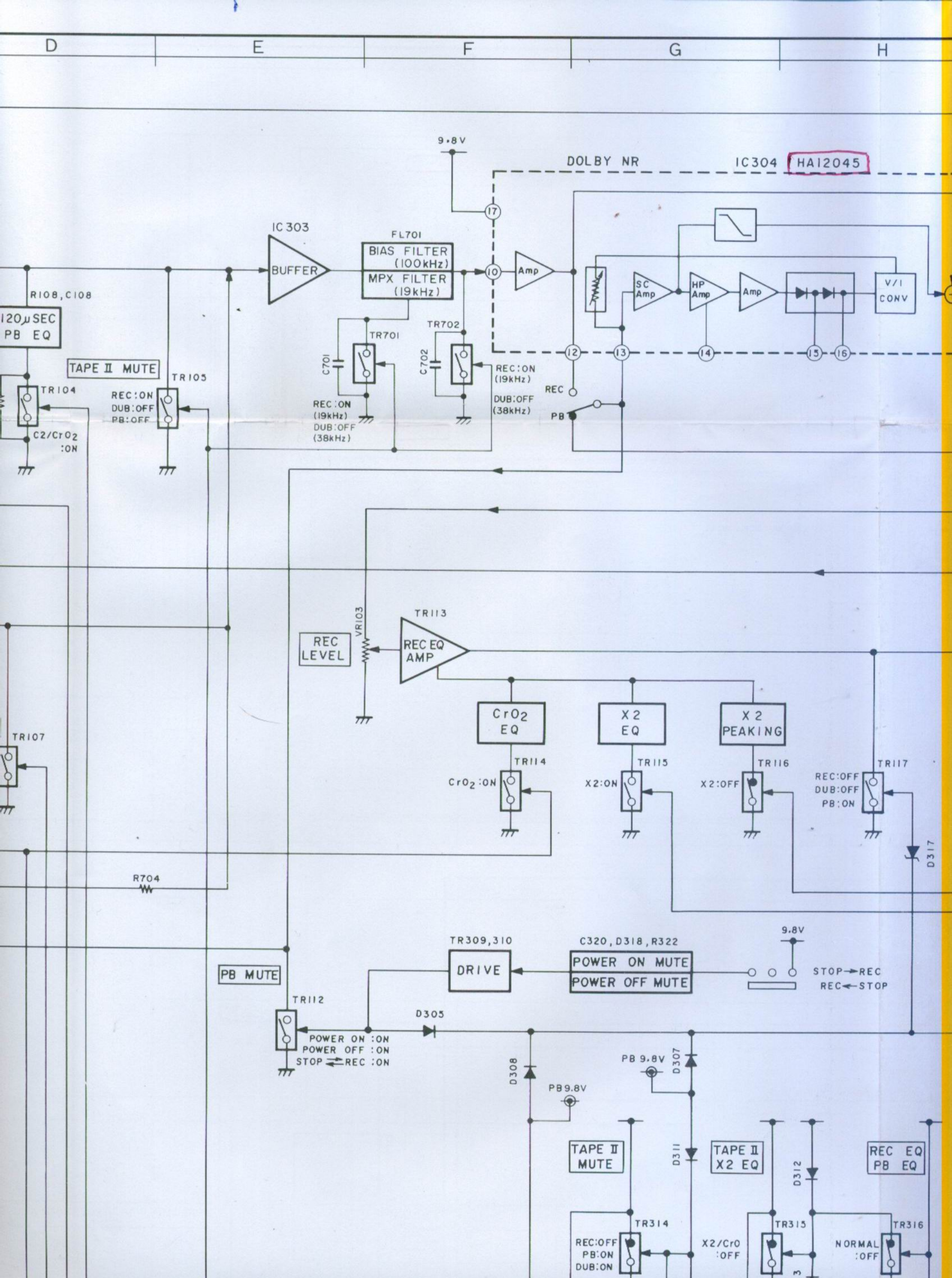
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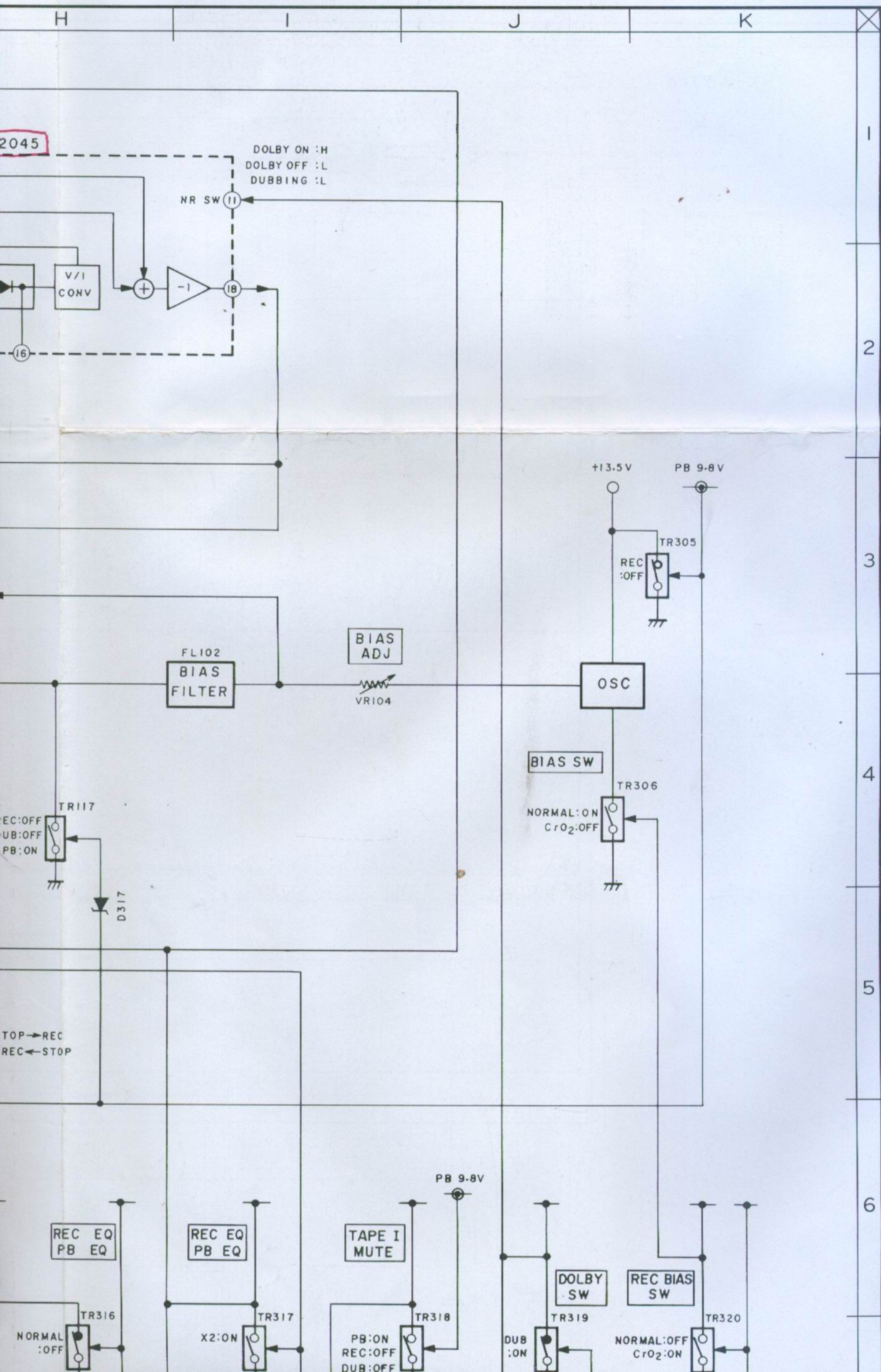
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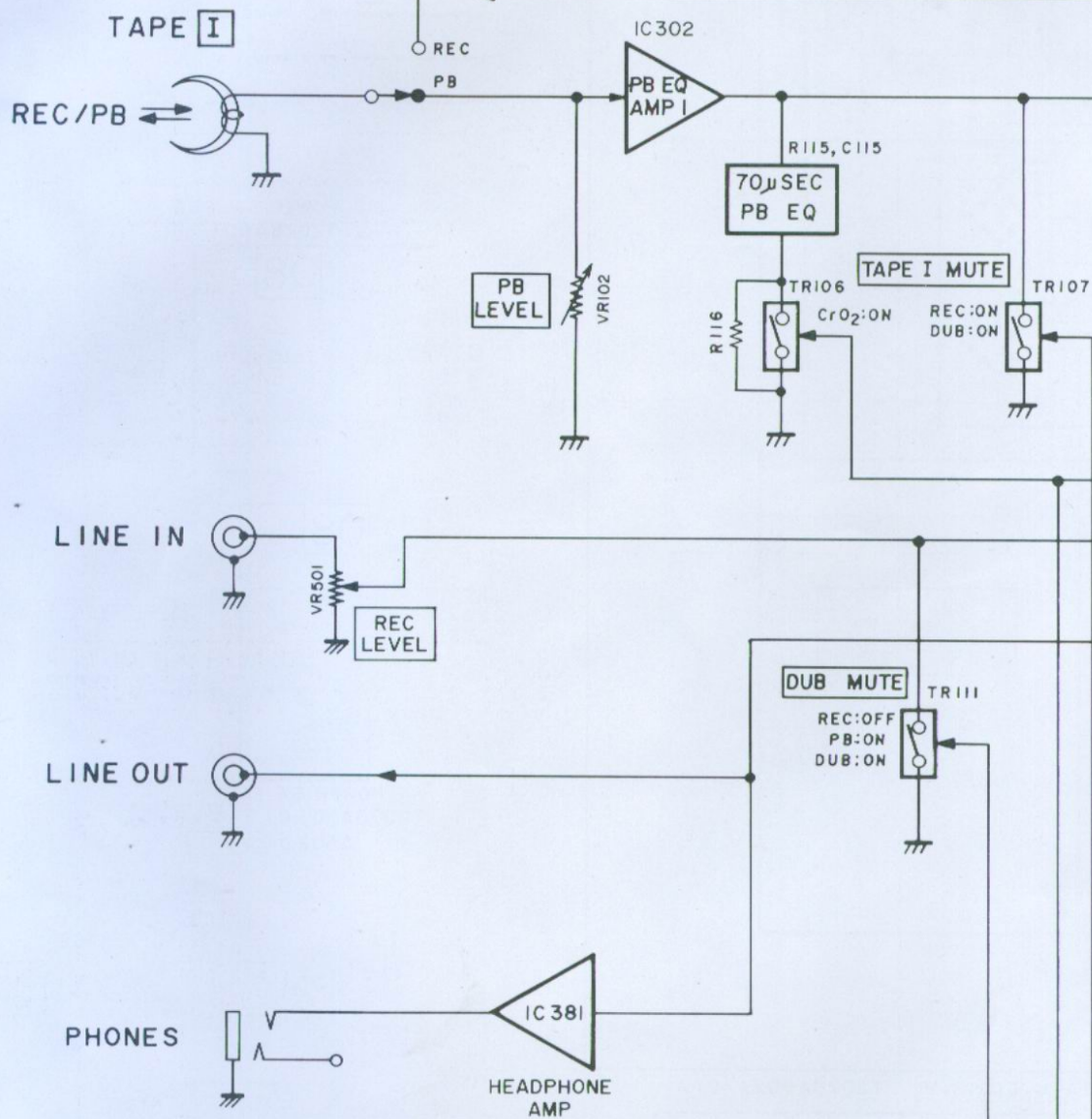
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K







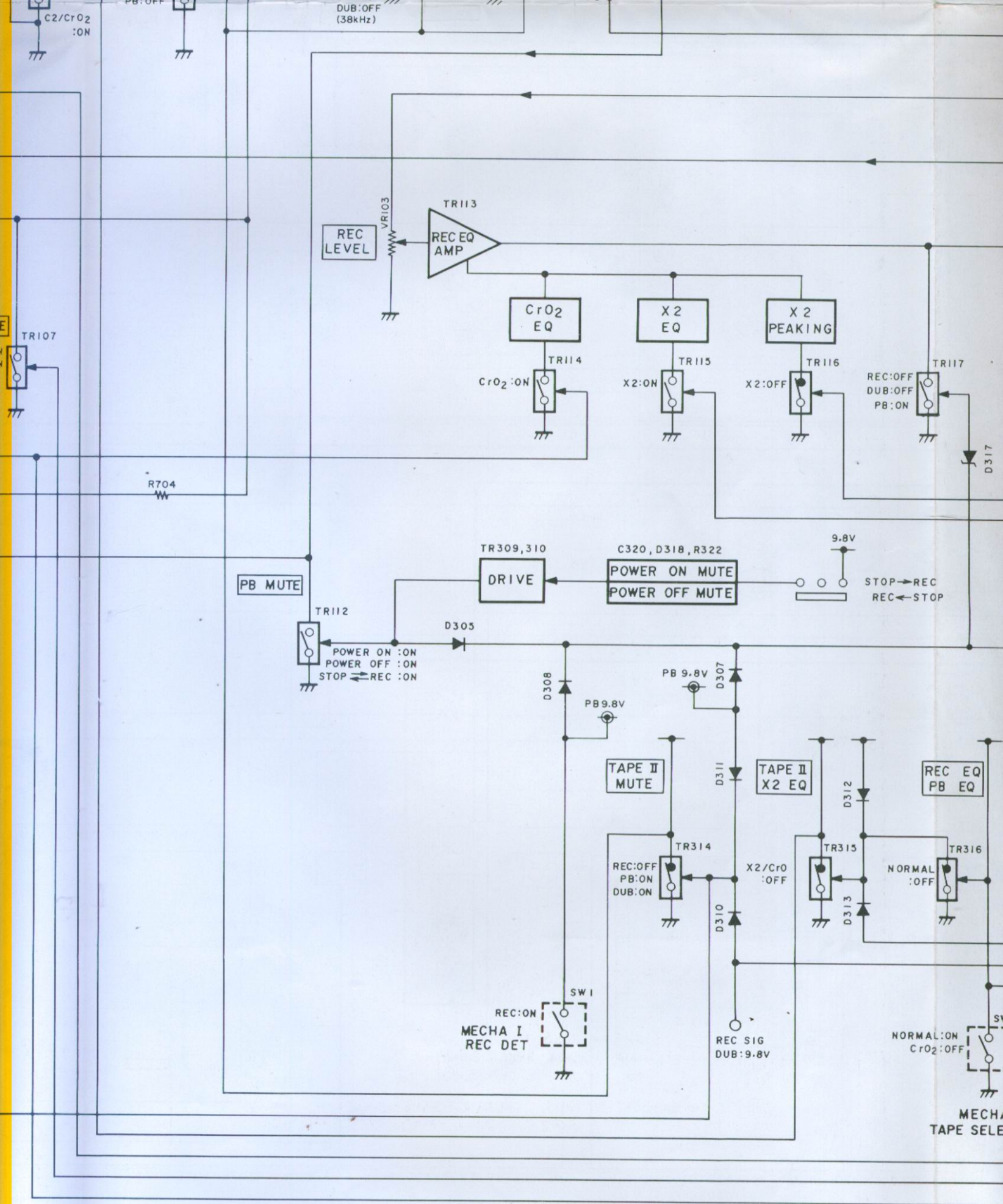


BLOCK DIAGRAM INDICATES LEFT CHANNEL CIRCUIT ONLY

POWER SUPPLY LINE :
 9.8 ALLWAY +9.8V
 PB 9.8
 PB +9.8V

MODE PB : PLAYBACK
 REC : RECORDING
 DUB : NORMAL SPEED DUBBING
 X2 : DOUBLE SPEED DUBBING

TAPE POSITION NOR : NORMAL TAPE POSITION
 CrO2 : CrO2 (CHROME) TAPE POSITION



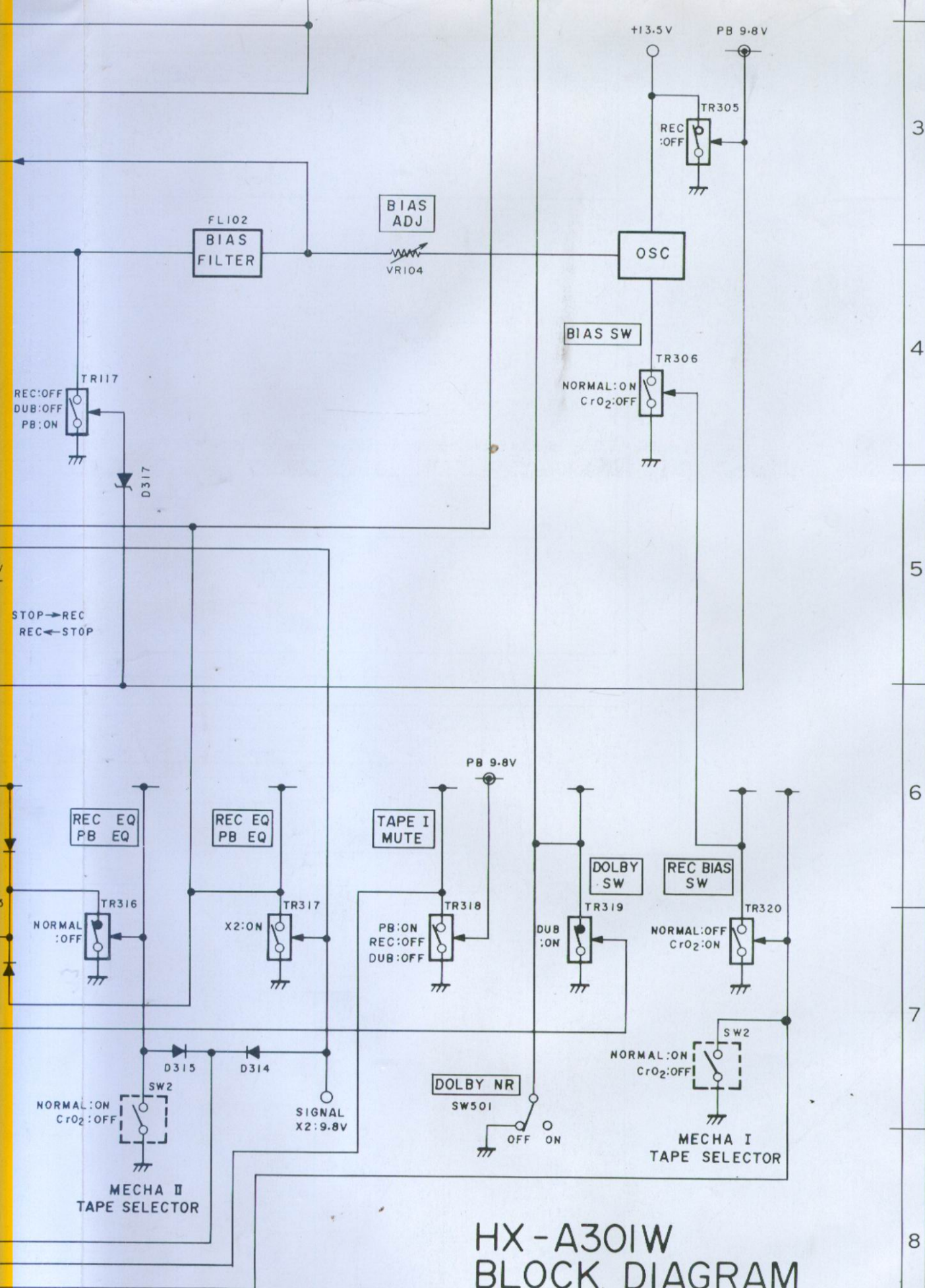
D

E

F

G

H



HX-A30IW
BLOCK DIAGRAM
No. 850429A (A2)