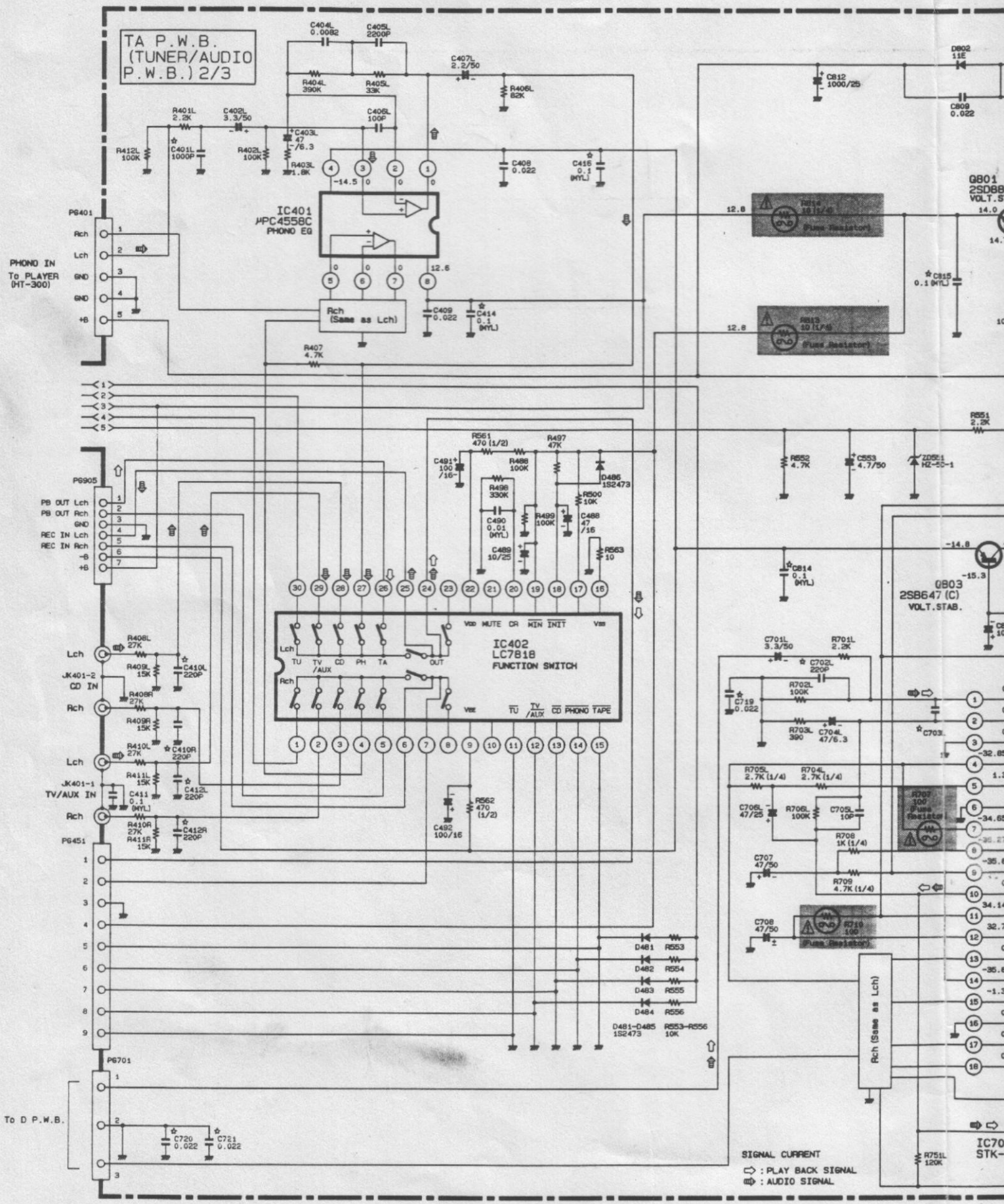
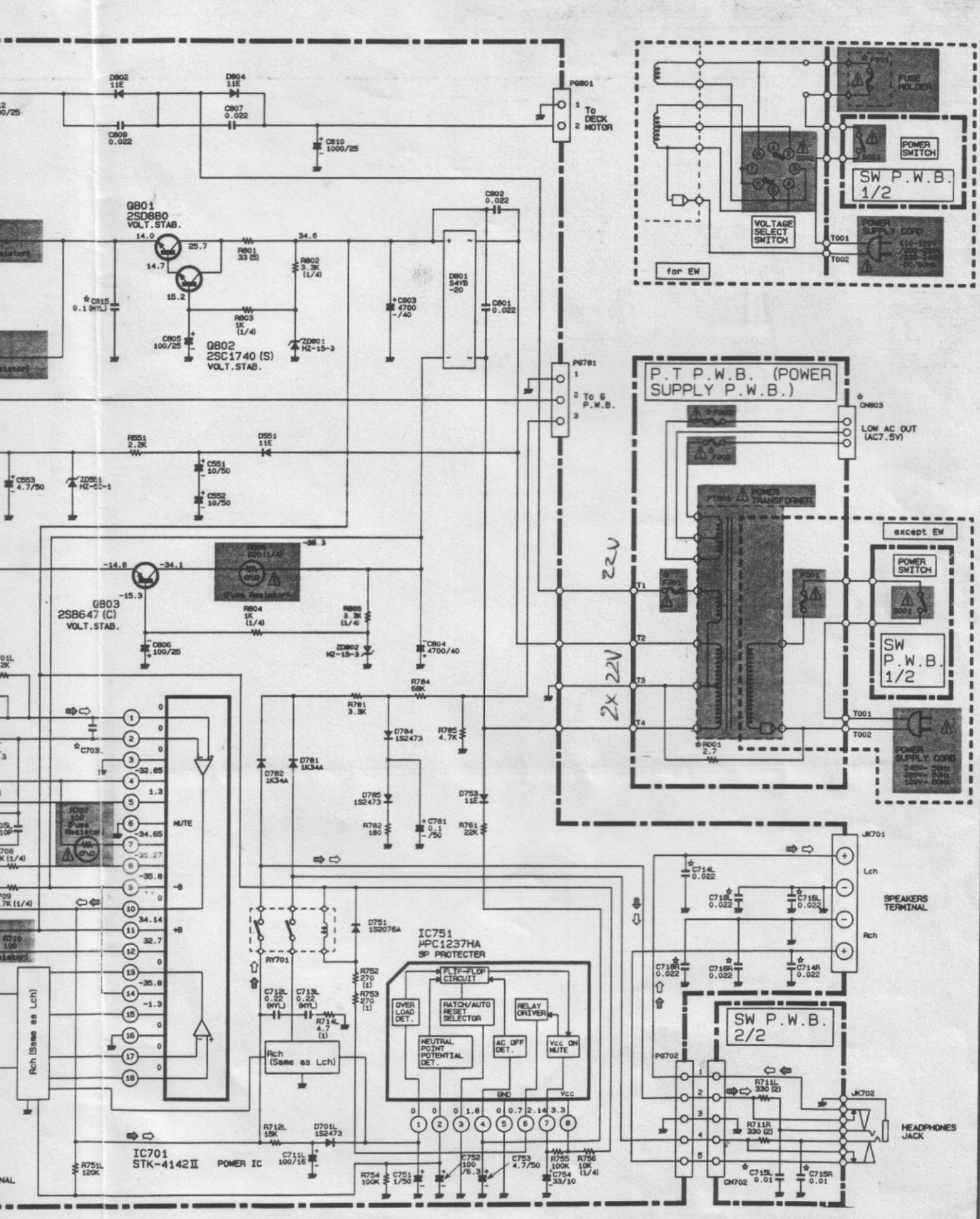
CIRCUIT DIAGRAM · SCHALTPLAN · PLAN DE CIRCUIT




P.T P.W.B. (POWER SUPPLY P.W.B.)
SW P.W.B. 1/2
SW P.W.B. 2/2
POWER SWITCH
FUSE HOLDER
VOLTAGE SELECT SWITCH
POWER SUPPLY CORD
for EW
except EW
LOW AC OUT (AC7.5V)
POWER TRANSFORMER
To DECK MOTOR
To 6 P.W.B.
Q801 2SD880 VOLT.STAB.
Q802 2SC1740 (S) VOLT.STAB.
Q803 2SB647 (C) VOLT.STAB.
IC751 μPC1237HA SP PROTECTER
IC701 STK-4142II POWER IC
SPEAKERS TERMINAL
HEADPHONES JACK
MUTE
Lch
Rch
Rch (Same as Lch)
22V
2x 22V

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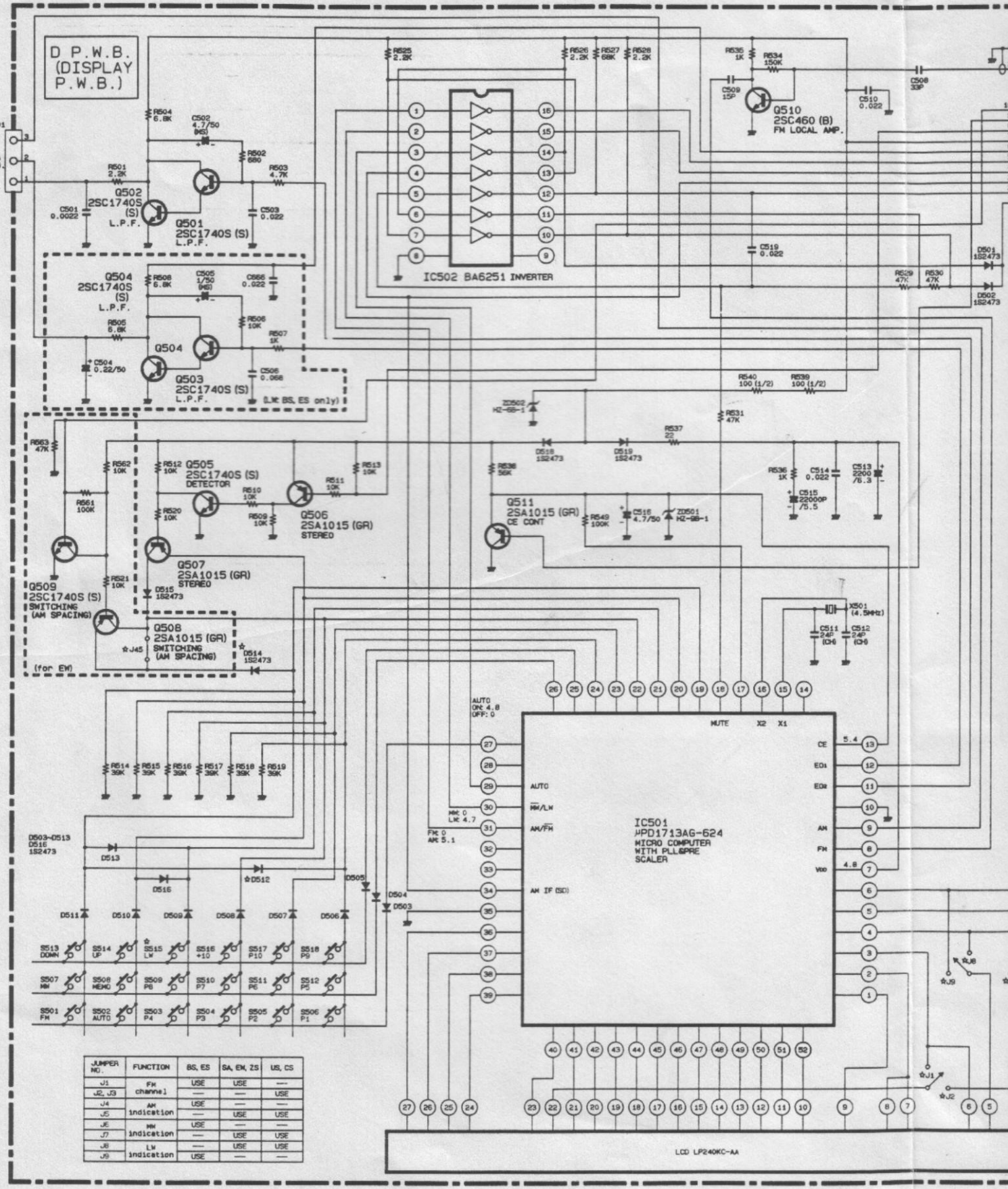
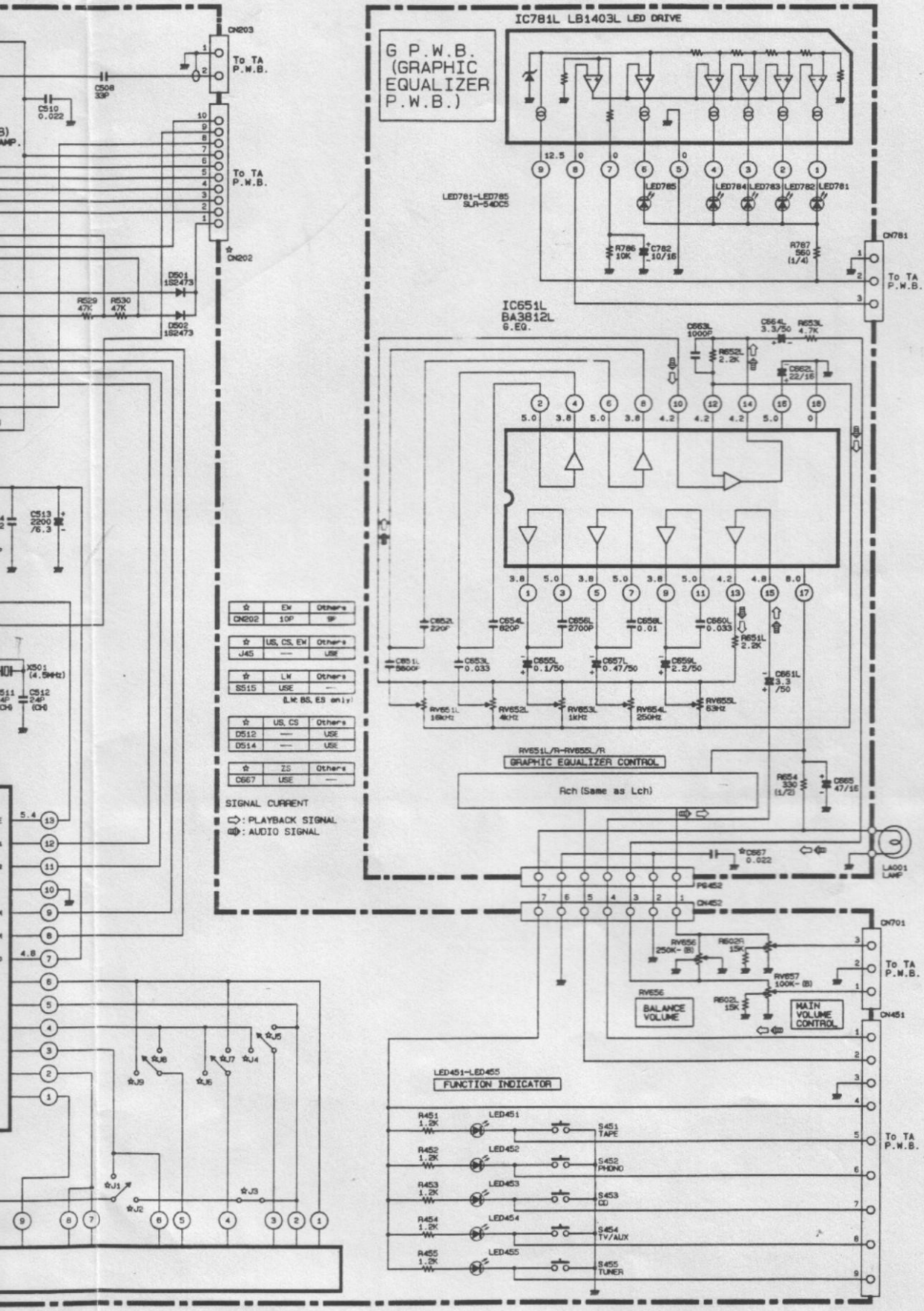


JUMPER NO.	FUNCTION	BS, ES	SA, EN, ZS	US, CS
J1	FM channel	USE	USE	—
J2, J3		—	—	USE
J4	AM indication	USE	—	—
J5		—	USE	USE
J6	MW indication	USE	—	—
J7		—	USE	USE
J8	LW indication	—	USE	USE
J9		USE	—	—



IC502

Pin NO.	Voltage
1	FM : 0 AM : 5.1
2	MW : 0 LW : 4.7
3	AUTO ON : 4.8 OFF : 0
4	—
5	—
6	Mute ON : H OFF : Low
7	—
8	0
9	—
10	—
11	—
12	—
13	—
14	—
15	—
16	—

Circuit NO.	E	C	B
Q501	0.6 <0.6>	6.4 <1.2>	1.1 <1.1>
Q502	0 <0>	6.4 <1.2>	0.6 <0.6>
Q503	0 (0.6) <0.2>	0 (3.3) <0>	0.4 (1.0) <0.4>
Q504	0 (0) <0>	0 (3.3) <0>	0 (0.6) <0.2>
Q505	0 <0>	5.6 <5.6>	0 <0>
Q506	5.6 <5.6>	0 <0>	5.6 <5.6>
Q507	0 <0>	0 <0>	5.6 <5.6>
Q510	0	8.0	0.7
Q511	5.4	0	—

( ): LW
< >: MW

☆	EW	Others
CN202	10P	9P

☆	US, CS, EW	Others
J45	—	USE

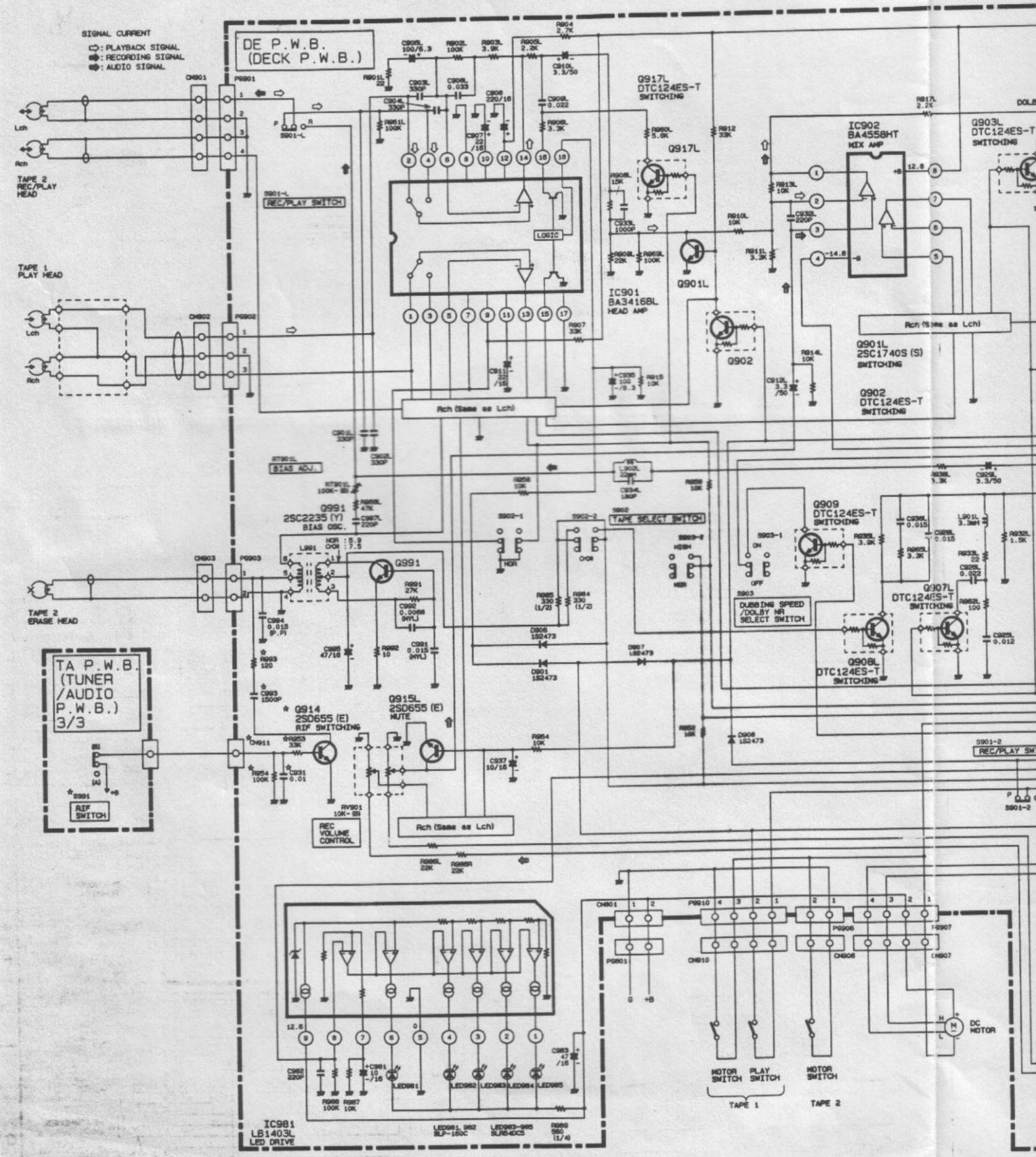
☆	LW	Others
S515	USE	—

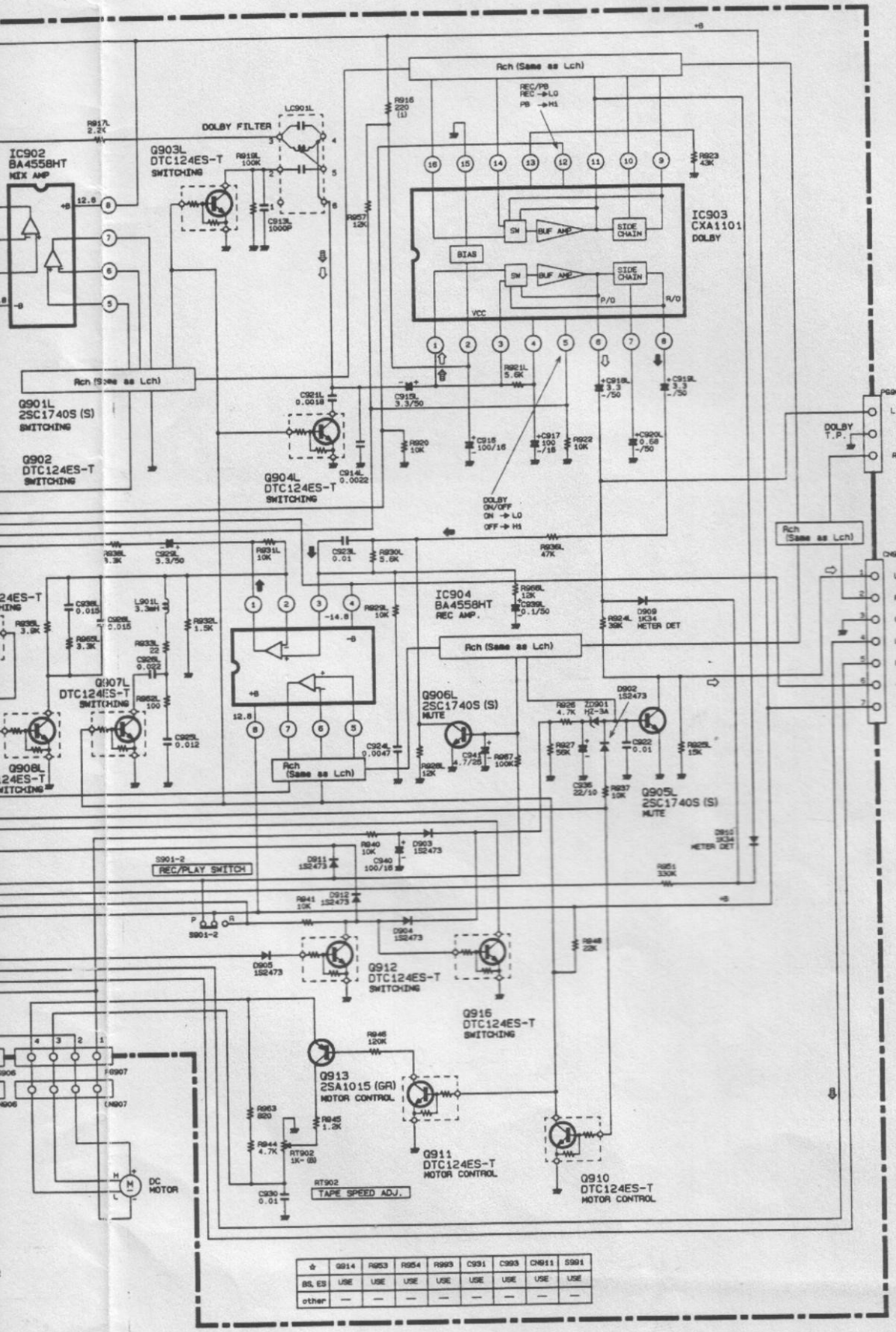
(LW: BS, ES only)

☆	US, CS	Others
D512	—	USE
D514	—	USE

☆	ZS	Others
C667	USE	—

CIRCUIT DIAGRAM · SCHALTPLAN · PLAN DE CIRCUIT





IC903

Pin NO.	Voltage
1	5.9
2	13.0
3	5.9
4	5.9
5	5.3 (0)
6	5.9
7	0.4
8	5.9
9	5.9
10	0.4
11	5.9
12	12.2 (0)
13	1.2
14	5.9
15	0
16	5.9

[ ] : DOLBY ON
( ) : REC ON

IC901

Pin NO.	Voltage
1	0
2	0
3	0
4	0
5	0.6
6	0.6
7	NOR : 0 DOR : 1.2
8	0
9	NOR : 0 DOR : 1.2
10	6.2
11	0.7
12	6.5
13	2.4
14	2.4
15	0
16	0
17	0
18	TAPE1 PLAY 2.3 TAPE2 PLAY 0

Circuit NO.	E	C	B
Q901L	0 (0)	—	0 (0.6)
Q902	0 (0)	0 (0.6)	12.2 (0)
Q912	0 <0>	0 <4.8>	0 <12.0>
Q913	12.3 <7.8>	12.3 <7.8>	11.6 <7.2>
Q915	0 (0)	0 (0)	0 (0.6)
Q916	0 (0)	—	0 (4.8)
Q991	⊣⊢	NOR : (5.8) 0 <0> DOR : (7.5) <0>	(0.6) (0.6) <0>

( ) : REC
< > : PLAY

Circuit NO.	E	C	B
Q903L	0 <0>	—	2.1 <0>
Q904L	0 <0>	—	2.1 <0>
Q905L	0 <0>	—	0 <0.6>
Q907L	0 <0>	—	2.1 <0>
Q910	0 <0>	0 <4.8>	2.1 <0>
Q911	0 <0>	2.1 <0>	0 <9.3>
Q917	0 <0>	1.3 <1.3>	0 <2.7>

< > : HIGH SPEED DUBBING

Circuit NO.	E	C	B
Q908L	0 <0>	0 <0>	0 <0.6>

< > : CrO2

Circuit NO.	E	C	B
Q909	0 <0>	0.2 <5.2>	12.0 <0>

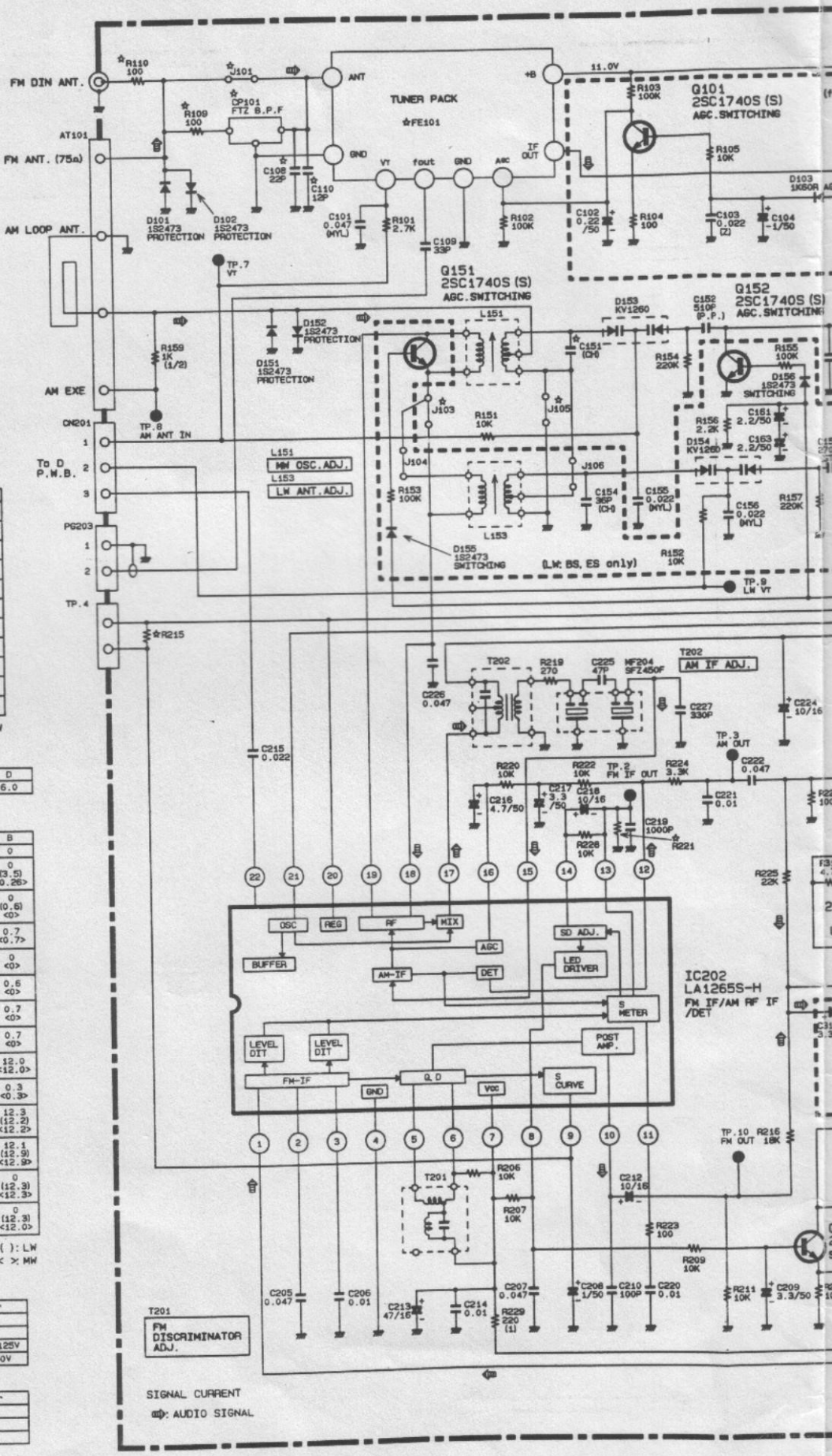
< > : DOLBY ON

Circuit NO.	E	C	B
Q914	(0) <0>	(0.2) <0.2>	(0) <0.6>

[ ] : AIF SW (A)
< > : AIF SW (B)

☆	Q914	R853	R854	R893	C931	C993	CN911	S991
BS, ES	USE	USE	USE	USE	USE	USE	USE	USE
other	—	—	—	—	—	—	—	—

CIRCUIT DIAGRAM · SCHALTPLAN · PLAN DE CIRCUIT



IC402

Pin NO.	Voltage
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	-14.8
10	—
11	12.0 (0.7)
12	12.0 (0.7)
13	12.0 (0.7)
14	12.0 (0.7)
15	12.0 (0.7)
16	0.1
17	13.0
18	13.0
19	5.6
20	0
21	—
22	12.9
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0

( ): AM

IC202

Pin NO.	Voltage	Pin NO.	Voltage
1	2.3 (1.0)	12	1.5 (1.5)
2	2.3 (1.0)	13	0 (0)
3	2.3 (1.0)	14	0 (0)
4	0 (0)	15	2.2 (1.0)
5	8.9 (9.2)	16	1.4 (1.4)
6	8.9 (9.2)	17	0.4 (7.7)
7	8.8 (9.2)	18	0 (2.0)
8	4.8 (5.0)	19	0 (2.0)
9	3.4 (3.5)	20	3.8 (3.6)
10	3.8 (3.0)	21	3.8 (3.6)
11	1.3 (1.3)	22	2.7 (1.5)

Voltage ( ): LW

☆	ZS	other
R108	68	100
R109	USE	—
R201	—	USE
R203	1K	2.2K
R221	8.2K	6.8K
R304	5.6K	5.6K
R305	6.8K	5.6K
R316	180K	120K
R319	680	1K
C108	USE	—
C300	USE	—
C401LR	USE	—
C410LR	USE	—
C412LR	USE	—
C414	USE	—
C416	USE	—
C702LR	—	USE
C703LR	1000P	330P
C714LR	USE	—
C715LR	USE	—
C716LR	USE	—
C718LR	USE	—
C719	USE	—
C720	USE	—
C721	USE	—
C814	USE	—
C815	USE	—
CP101	USE	—
MF202	USE	—
FE101	4-rems	3-rems
J101	—	USE

Circuit NO.	B	S	D
Q102	0	0	6.0

Circuit NO.	E	C	B
Q101	0	5.4	0
Q151	0 (2.9) <2.0>	0 (2.9) <2.0>	0 (3.5) <0.26>
Q152	0 (0) <0>	0 (0) <0>	0 (0.6) <0>
Q201	0 <0>	0 <0>	0.7 <0.7>
Q202	0 <0>	4.4 <4.3>	0 <0>
Q203	0 <0>	2.4 <0>	0.6 <0>
Q301	0 <0>	0 <0>	0.7 <0>
Q302	0 <0>	0 <0>	0.7 <0>
Q303	12.0 <12.0>	12.0 <0.3>	12.0 <12.0>
Q304	0.9 <0.9>	3.9 <4.0>	0.3 <0.3>
Q512	12.8 (13.0) <13.0>	0.5 (12.9) <13.0>	12.3 (12.2) <12.2>
Q513	12.8 (13.0) <13.0>	12.7 (0) <0>	12.1 (12.9) <12.9>
Q514	0.5 (12.9) <13.0>	0 (12.8) <0.2>	0 (12.3) <12.3>
Q515	0.5 (12.9) <13.0>	0 (12.7) <12.3>	0 (12.3) <12.0>

( ): LW
< >: MW

(LW: BS, ES only)

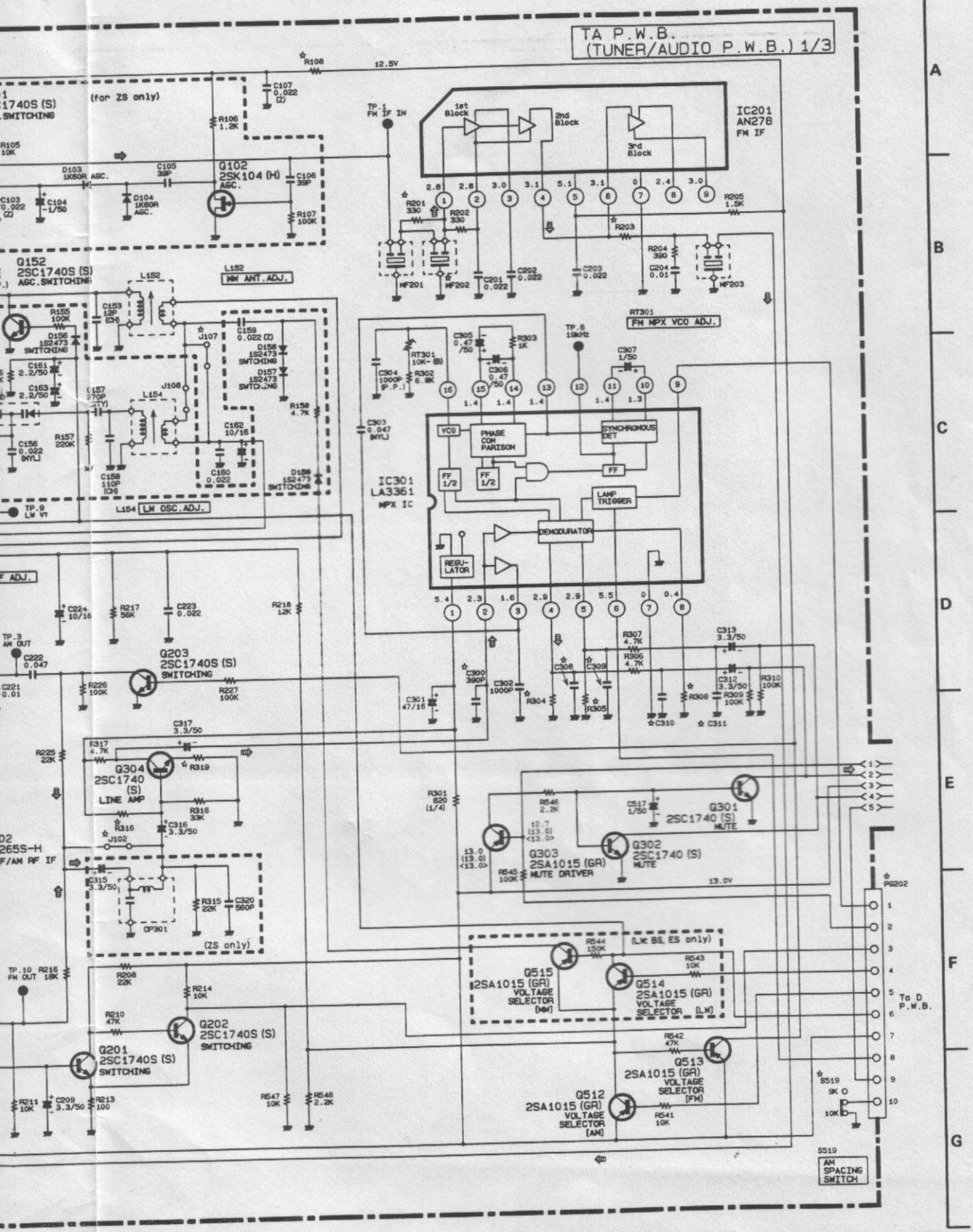
☆	LW	other
C151	6P (CH)	4P (CH)
J103	—	USE
J105	—	USE
J107	—	USE

☆	EW	other
S519	USE	—
PG202	10P	9P

☆	US, CS	other
R001	USE	—
R215	15K	33K
F001	2A/125V	T800mA/125V
F801	2A/125V	T2A/250V

☆	ZS	US, CS	other
R110	—	—	USE
R308	1K	470	390
C110	—	—	USE
C308	0.01	0.018	0.0082
C309	0.01	0.018	0.0082
C310	0.0047	0.0018	0.0022
C311	0.0047	0.0018	0.0022

☆	ES, BS, ZS	other
F802	T800mA/250V	—
F803	T800mA/250V	—
CN803	USE	—


TA P.W.B.
(TUNER/AUDIO P.W.B.) 1/3
IC201
AN278
FM IF
1st Block
2nd Block
3rd Block
IC301
LA3361
MPX IC
VCO
PHASE COM PARISON
SYNCHRONOUS DET
FF
LAMP TRIGGER
DEMODURATOR
REGU-LATOR
FM MPX VCO ADJ.
MW ANT.ADJ.
LW OSC.ADJ.
Q102 2SK104 (H) AGC.
Q152 2SC1740S (S) AGC.SWITCHING
Q203 2SC1740S (S) SWITCHING
Q304 2SC1740 (S) LINE AMP
Q202 2SC1740S (S) SWITCHING
Q201 2SC1740S (S) SWITCHING
Q301 2SC1740 (S) MUTE
Q302 2SC1740 (S) MUTE
Q303 2SA1015 (GR) MUTE DRIVER
Q515 2SA1015 (GR) VOLTAGE SELECTOR (MW)
Q514 2SA1015 (GR) VOLTAGE SELECTOR (LW)
Q513 2SA1015 (GR) VOLTAGE SELECTOR (FM)
Q512 2SA1015 (GR) VOLTAGE SELECTOR (AM)
(for ZS only)
(LW: BS, ES only)
(ZS only)
AM SPACING SWITCH
To D P.W.B.
12.5V
13.0V