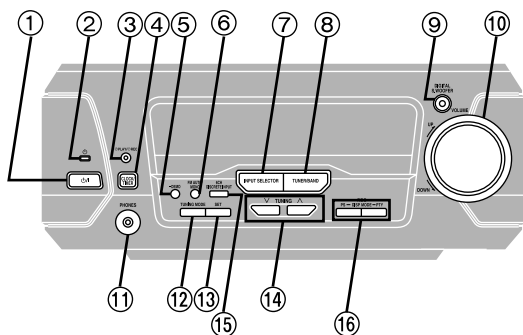


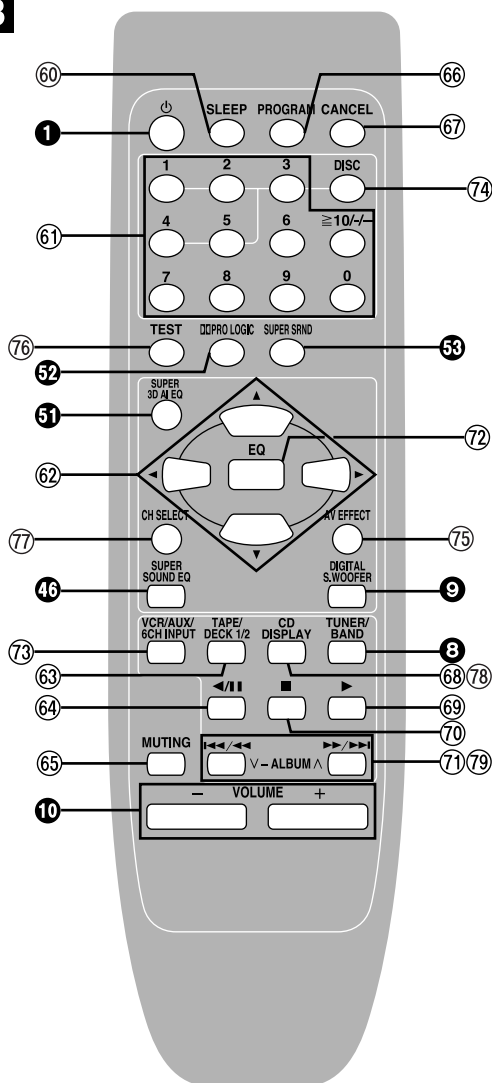
A



A Tuner/amplifier

- ① **Standby/on switch (⏻/⏻)**
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- ② **Standby indicator (Ⓛ)**
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.
- ③ **Play timer/record timer button and indicator (⌚/⌚)**
- ④ **Clock/timer button (CLOCK/TIMER)**
- ⑤ **Demo button (–DEMO)**
- ⑥ **FM mode button (FM AUTO/MONO)**
- ⑦ **Source input button (INPUT SELECTOR)**
- ⑧ **Tuner/band button (TUNER/BAND)**
- ⑨ **Digital super woofer button and indicator (DIGITAL S.WOOFER)**
- ⑩ **Volume control (VOLUME)**
- ⑪ **Headphone jack (PHONES)**
- ⑫ **Tuning mode button (TUNING MODE)**
- ⑬ **Set button (SET)**
- ⑭ **Tuning buttons (v, ^ TUNING)**
- ⑮ **6ch discrete input button (6CH DISCRETE INPUT)**
- ⑯ **RDS display mode button (RDS, PS–DISP MODE–PTY)**

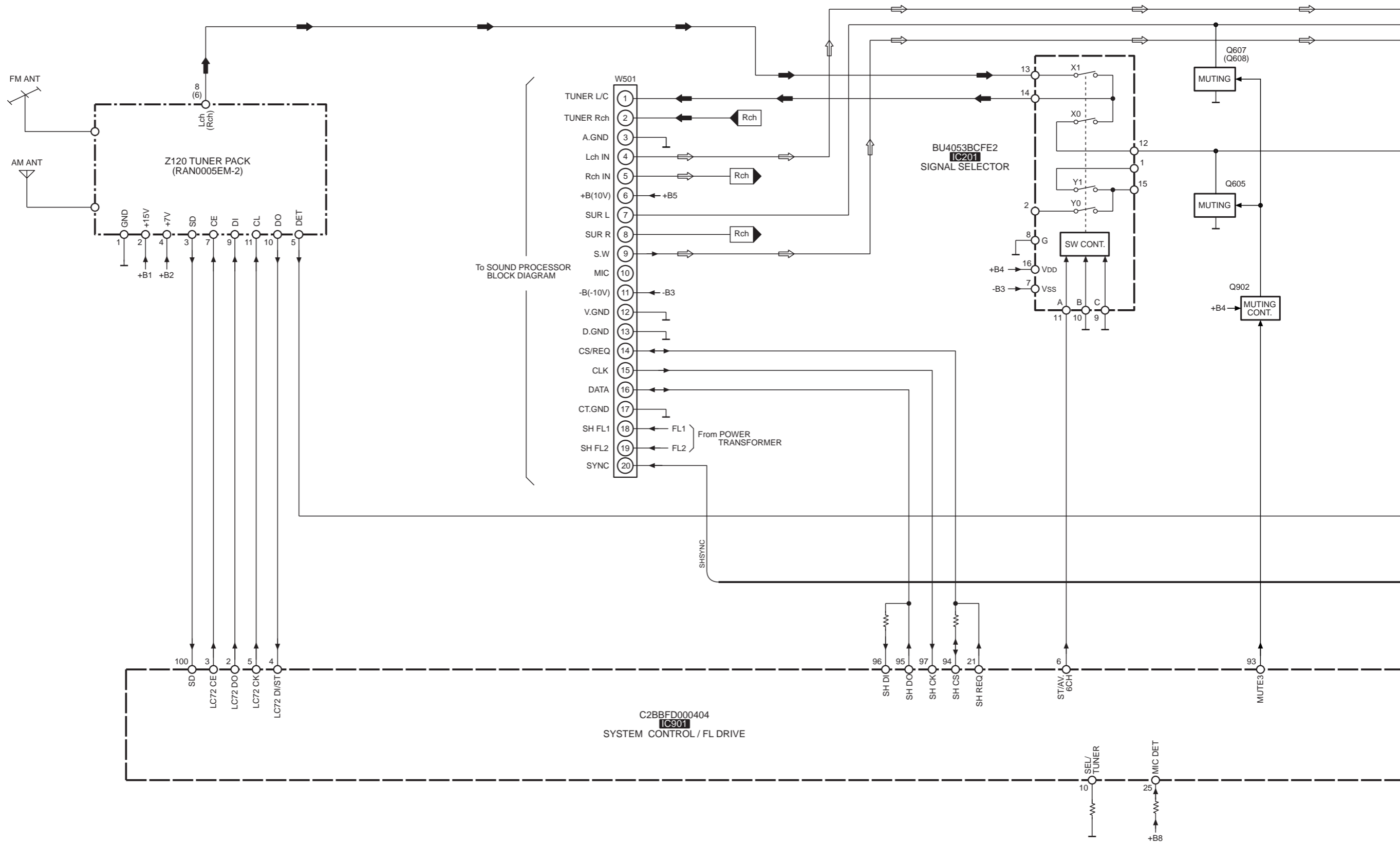
B

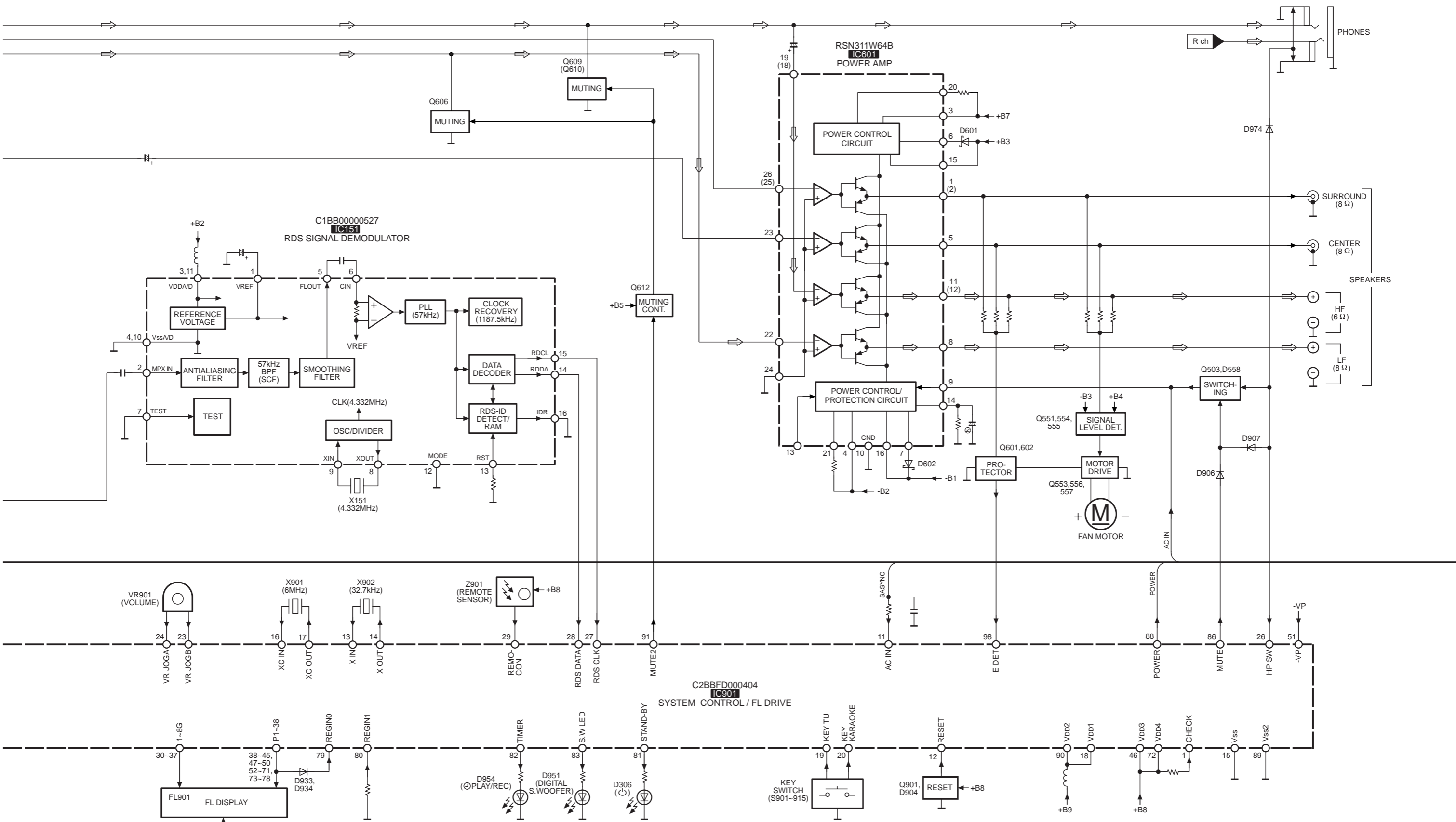


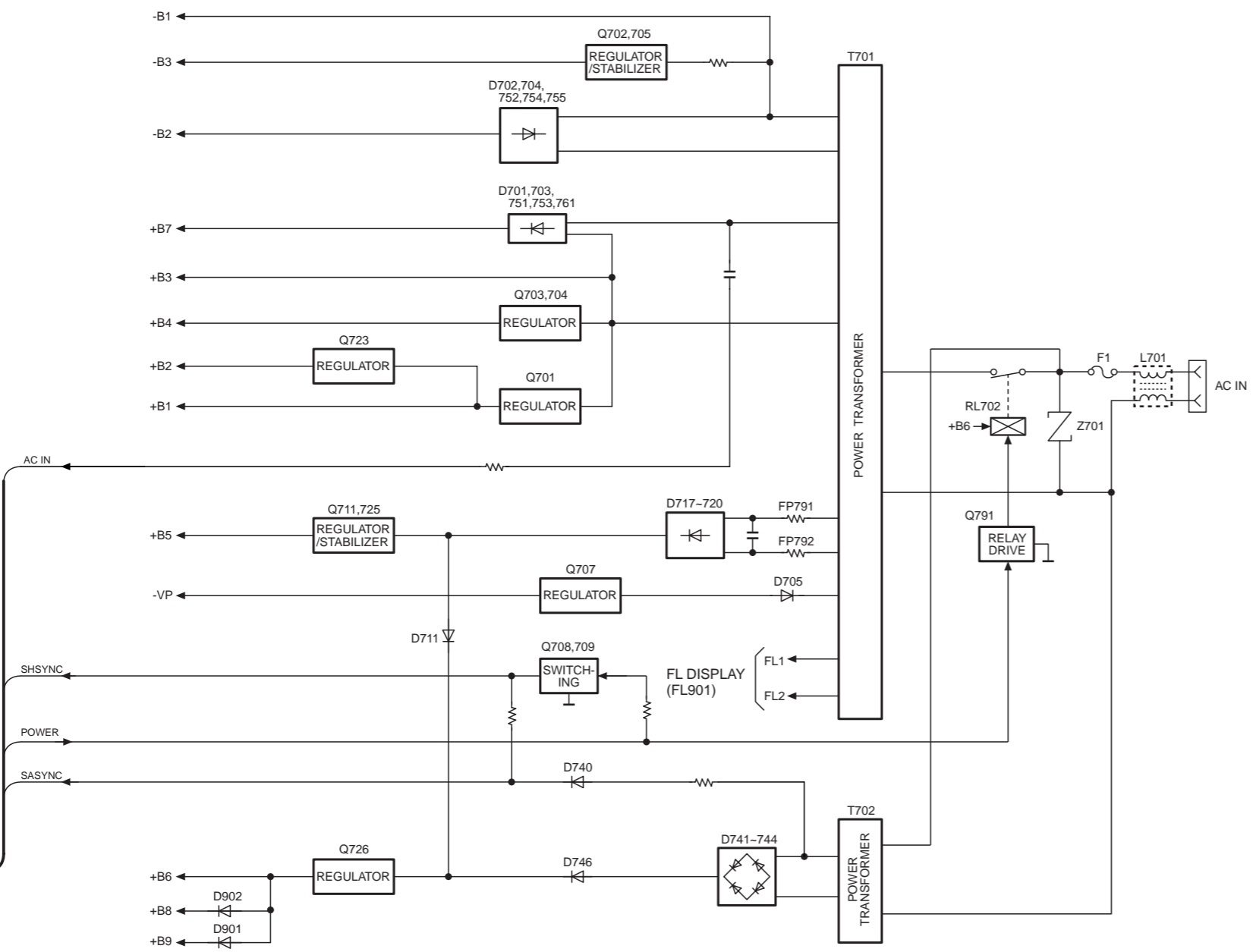
B Remote control

Buttons such as ① function in the same way as the controls on the main unit.

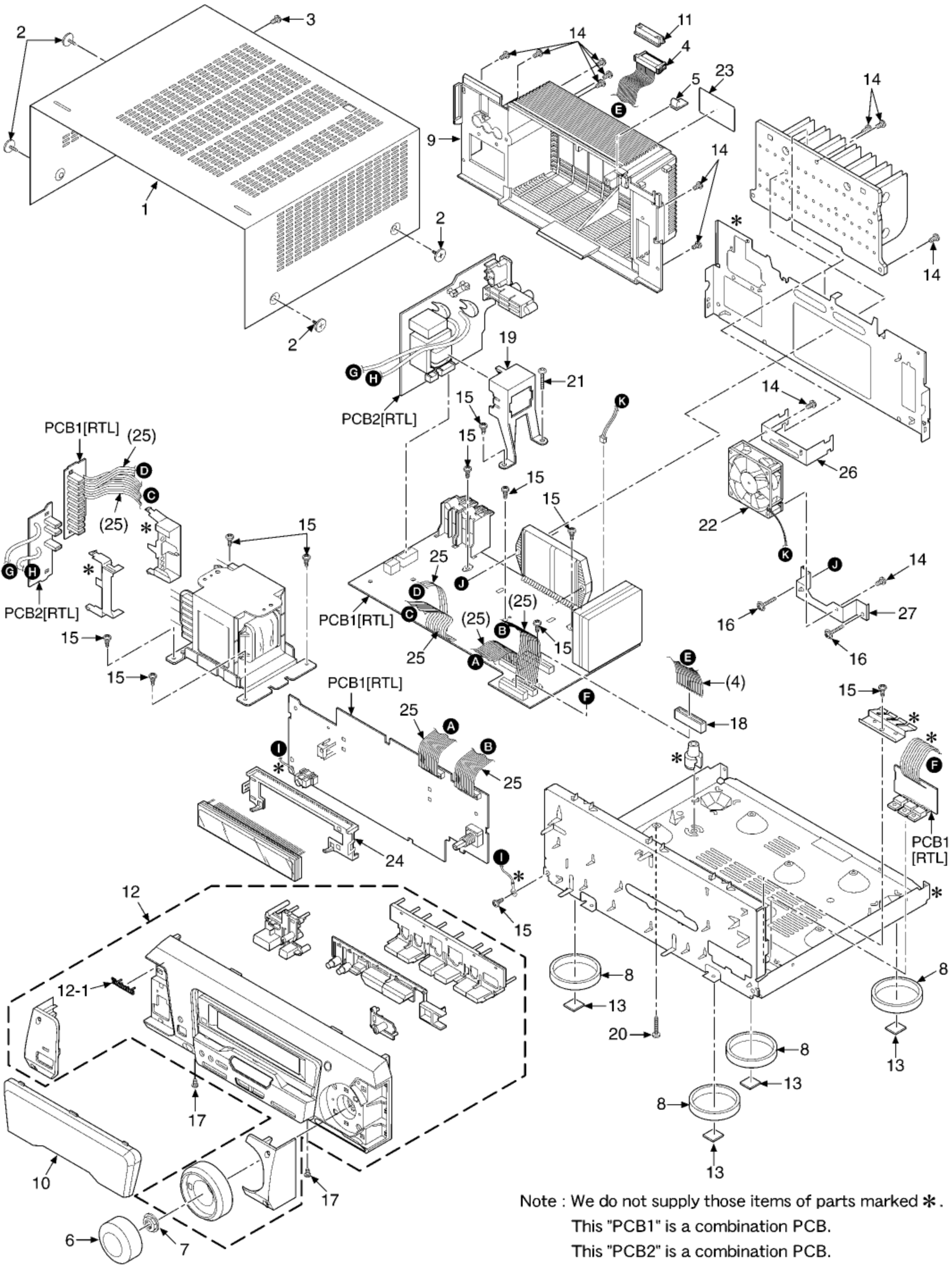
- ⑥⑩ **Sleep timer button (SLEEP)**
- ⑥① **Numbered buttons (1–9, 0, ≥10/–)**
- ⑥② **Cursor buttons (◀, ▶, ▲, ▼)**
- ⑥③ **Tape select, deck 1/deck 2 select button (TAPE/DECK 1/2)**
- ⑥④ **CD pause/tape reverse playback button (⏪/⏪)**
- ⑥⑤ **Muting button (MUTING)**
- ⑥⑥ **Program button (PROGRAM)**
- ⑥⑦ **Cancel button (CANCEL)**
- ⑥⑧ **CD button (CD)**
- ⑥⑨ **CD play/tape forward playback button (▶)**
- ⑦⑩ **CD/tape stop button (■)**
- ⑦① **CD skip/search, tape fast forward/rewind buttons (⏩/⏩, ⏪/⏪)**
- ⑦② **EQ button (EQ)**
- ⑦③ **Input select button (VCR/AUX/6CH INPUT)**
- ⑦④ **Disc button (DISC)**
- ⑦⑤ **AV effect button (AV EFFECT)**
- ⑦⑥ **Test button (TEST)**
- ⑦⑦ **Channel select button (CH SELECT)**
- ⑦⑧ **Display button (DISPLAY)**
- ⑦⑨ **Album skip buttons (v, ^ –ALBUM)**







NOTES : ● SIGNAL LINE
 ⇨ : AUDIO SIGNAL
 ⇨ : TUNER SIGNAL
 ● () indicates pin No. Right channel.

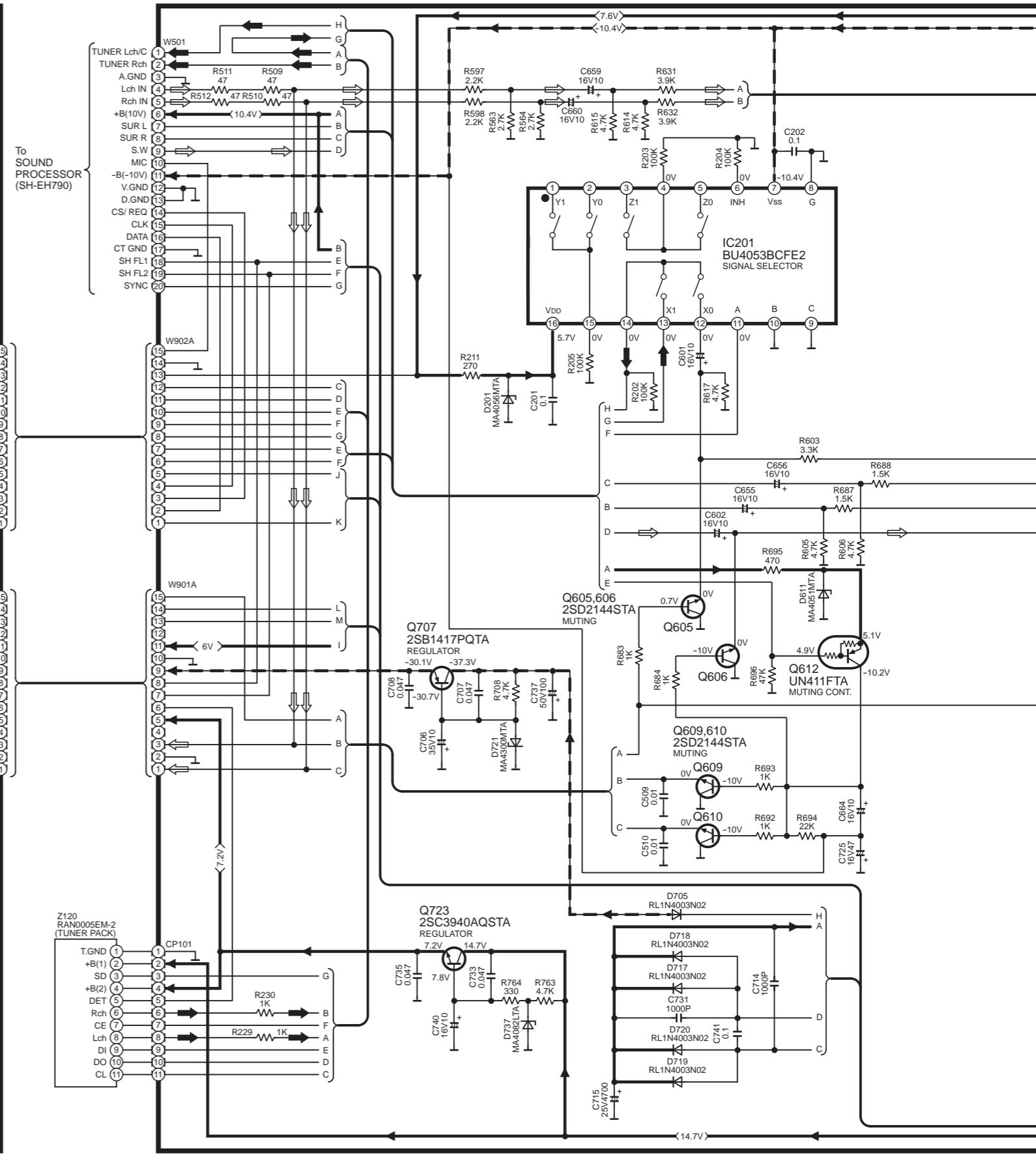
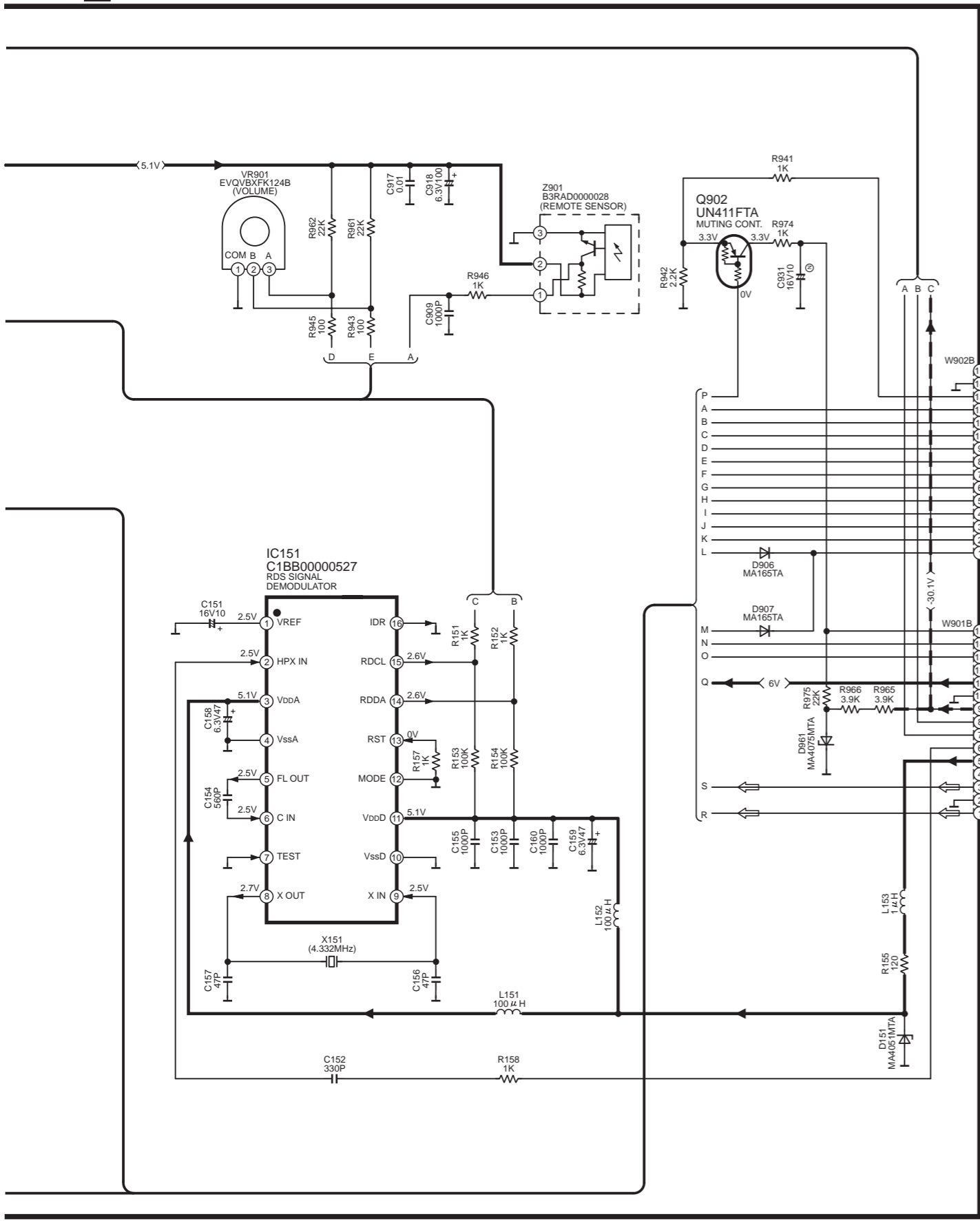


Note : We do not supply those items of parts marked *.
 This "PCB1" is a combination PCB.
 This "PCB2" is a combination PCB.

A OPERATION CIRCUIT

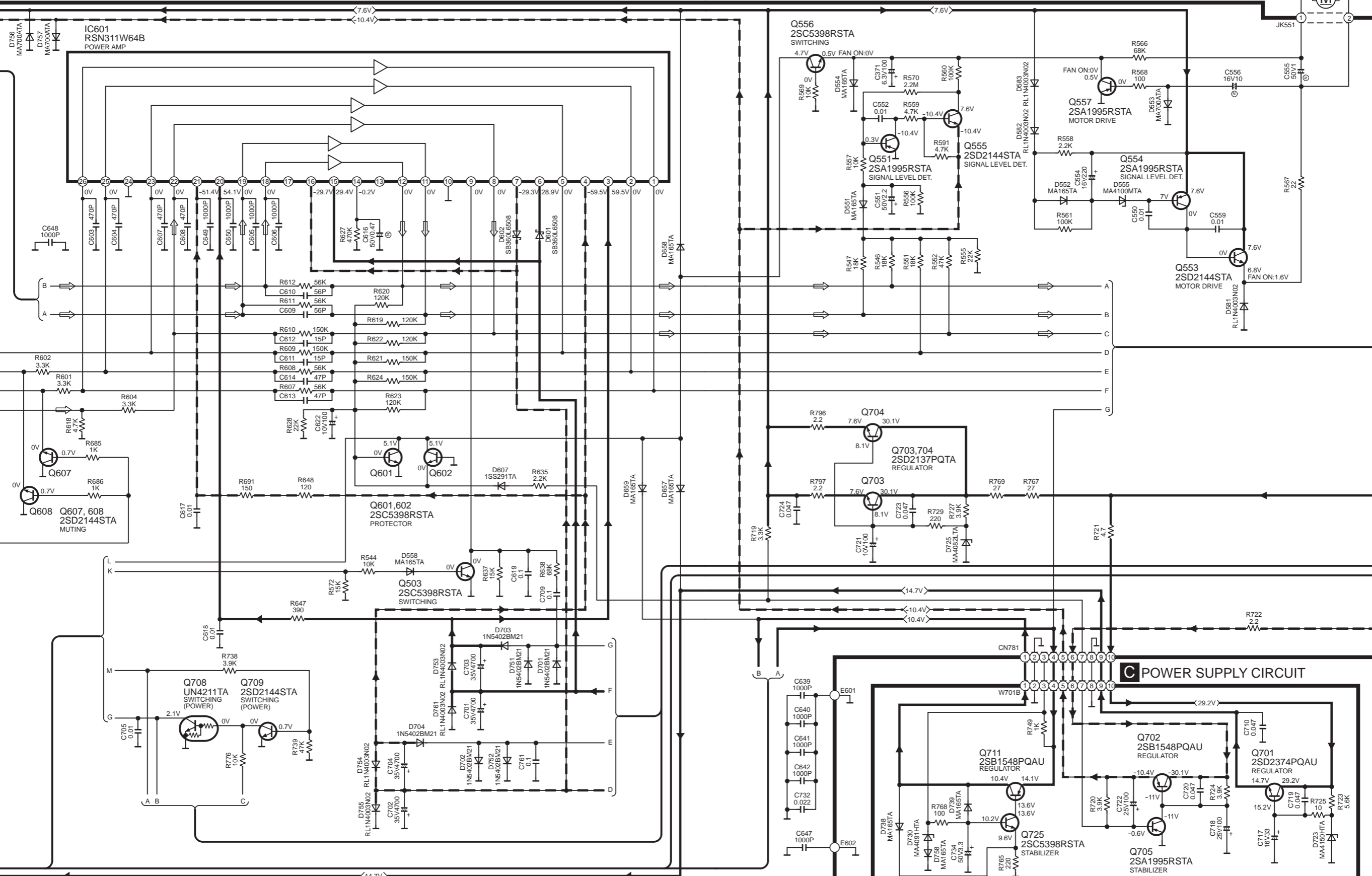
- - - : NEGATIVE VOLTAGE LINE ⇨ : AUDIO SIGNAL LINE
 ——— : POSITIVE VOLTAGE LINE ⇨ : TUNER SIGNAL LINE

B MAIN CIRCUIT

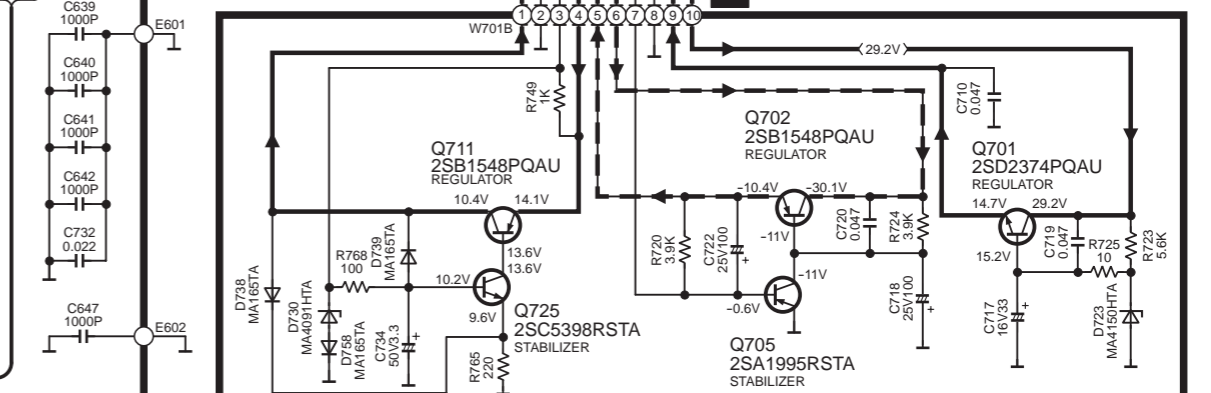


B MAIN CIRCUIT

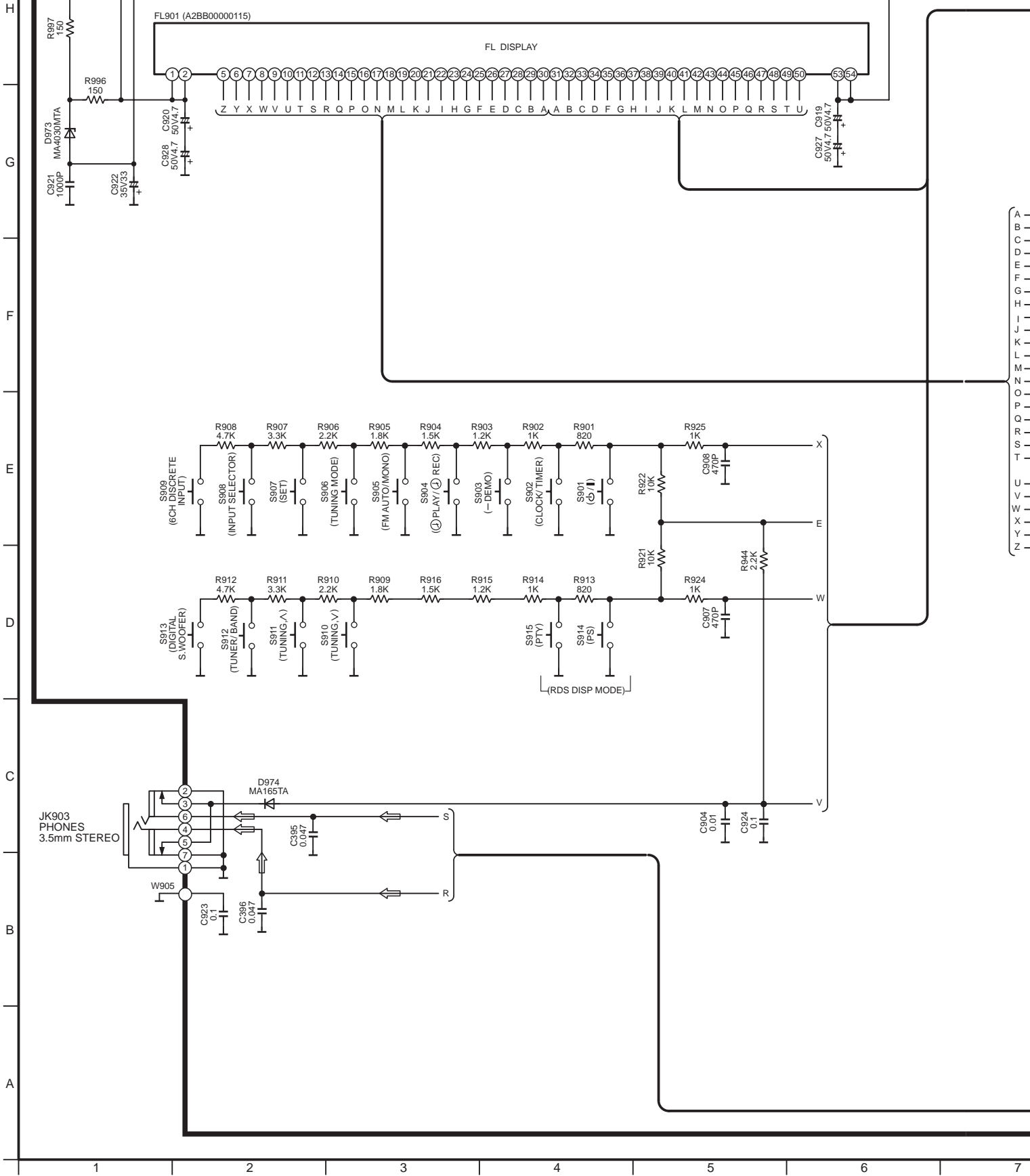
→ : POSITIVE VOLTAGE LINE
- - - : NEGATIVE VOLTAGE LINE
⇨ : AUDIO SIGNAL LINE



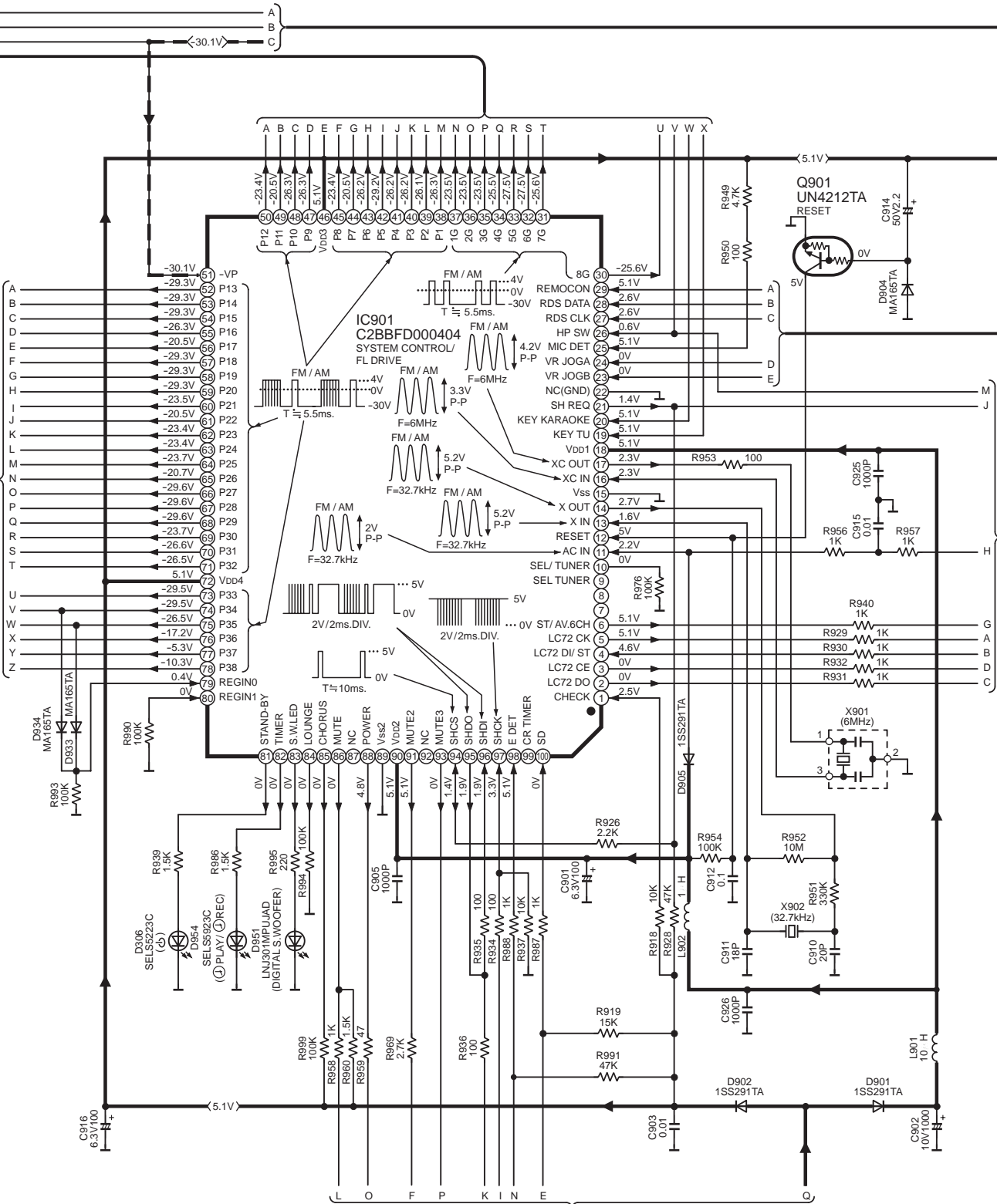
C POWER SUPPLY CIRCUIT



A OPERATION CIRCUIT



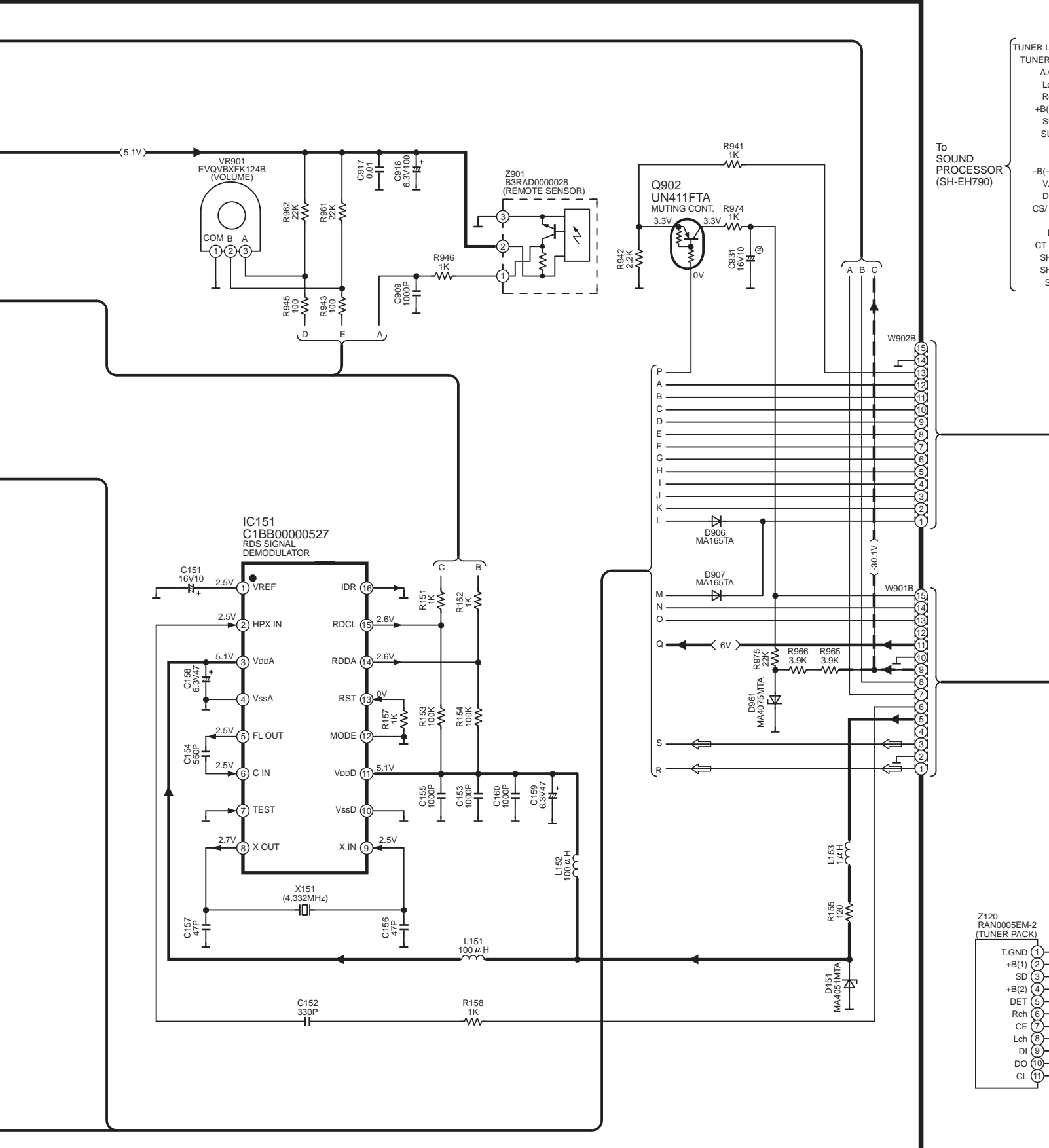
→ : POSITIVE VOLTAGE LINE ← : NEGATIVE VOLTAGE LINE ⇨ : AUDIO SIGNAL LINE



SA-EH790(E,EB,EG,EP) OPERATION CIRCUIT DIAGRAM

A OPERATION CIRCUIT

: NEGATIVE VOLTAGE LINE : AUDIO SIGNAL LINE
 : POSITIVE VOLTAGE LINE : TUNER SIGNAL LINE



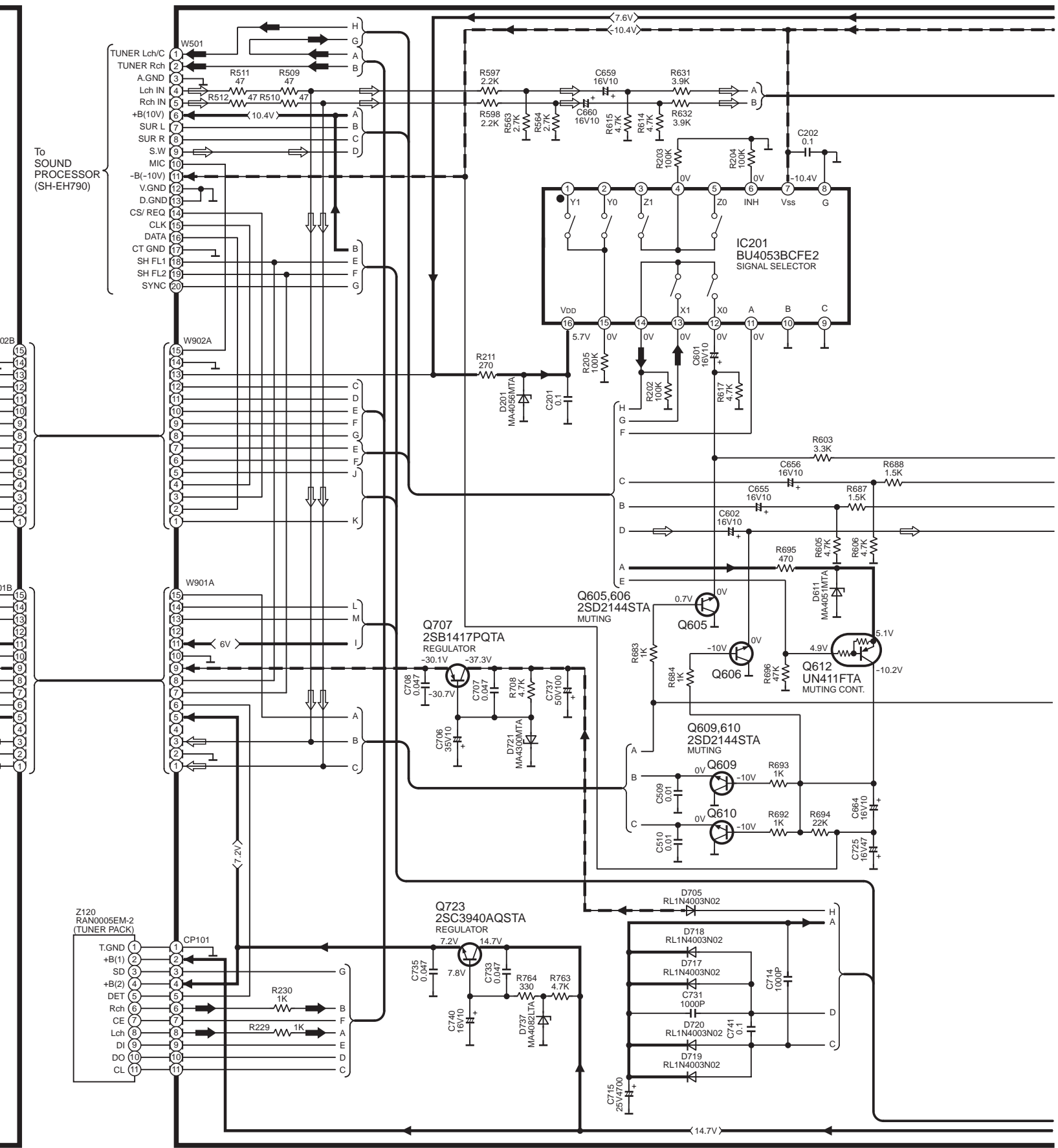
TUNER Lch
 TUNER R
 A.GN
 Lch L
 Rch
 +B(10)
 SUR
 SUR
 S.
 M
 -B(-10)
 V.GN
 D.G
 CS/RE
 CT
 DA
 CT GN
 SH F
 SH F
 SYN

To SOUND PROCESSOR (SH-EH790)

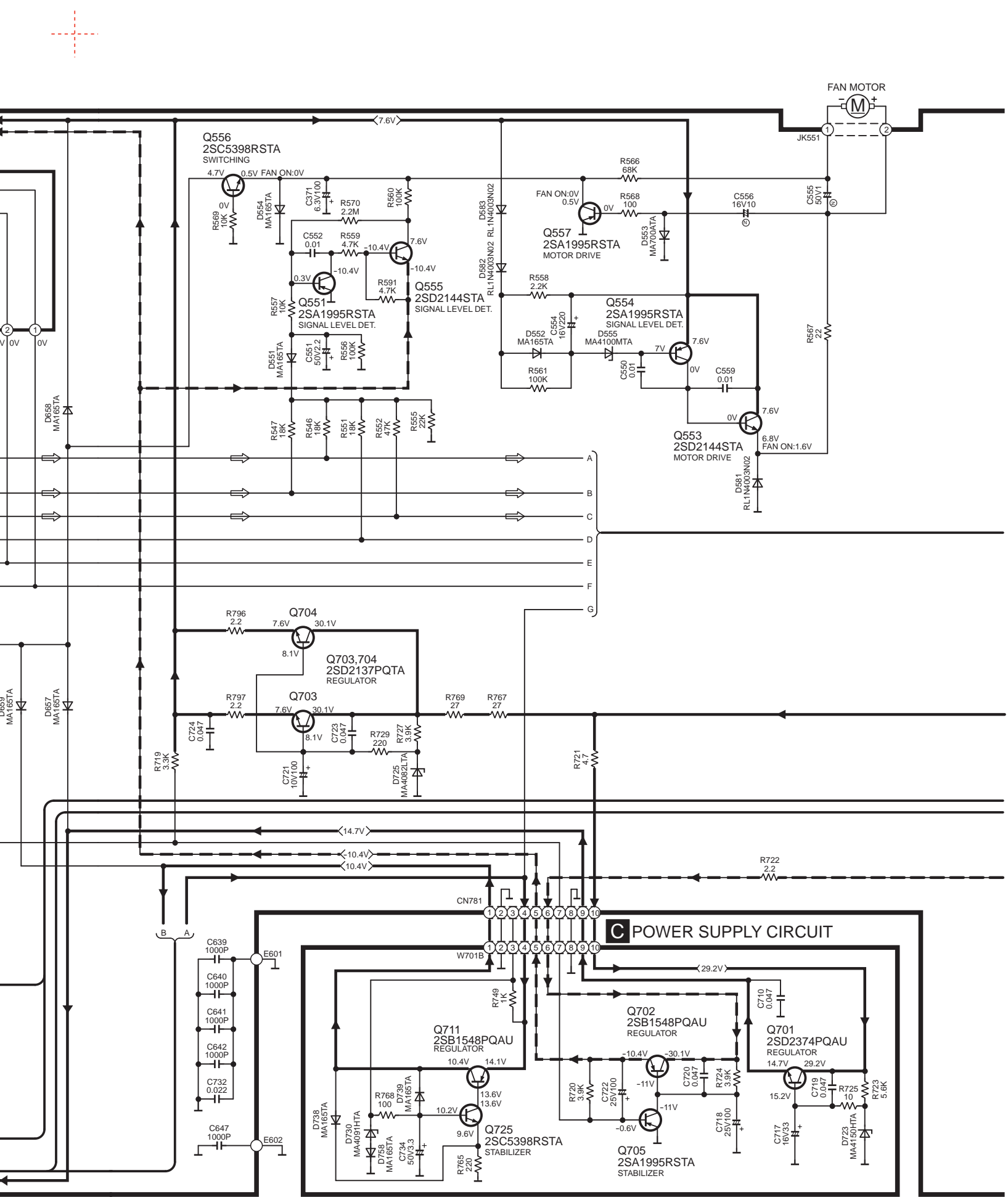
Z120
 RAN0005EM-2
 (TUNER PACK)

T.GND	1
+B(1)	2
SD	3
+B(2)	4
DET	5
Rch	6
CE	7
Lch	8
DI	9
DO	10
CL	11

B MAIN CIRCUIT



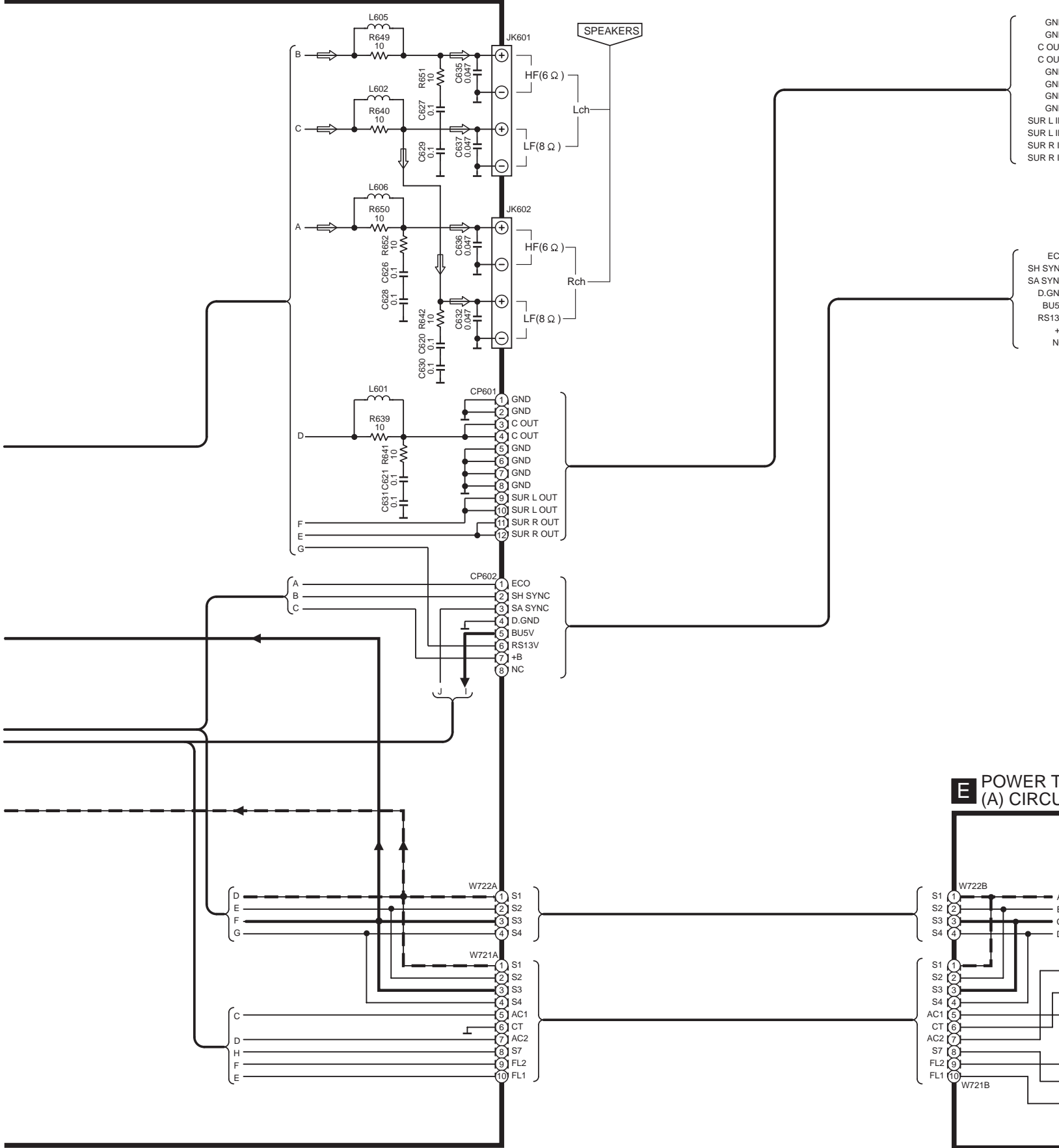
SA-EH790(E,EB,EG,EP) OPERATION, MAIN CIRCUIT DIAGRAM



SA-EH790(E,EB,EG,EP) MAIN,POWER SUPPLY CIRCUIT DIAGRAM

B MAIN CIRCUIT

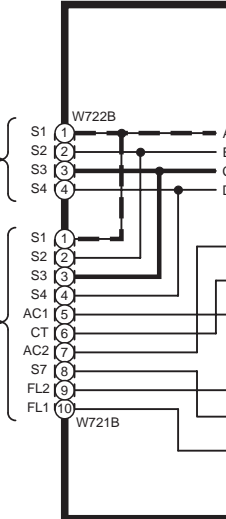
: POSITIVE VOLTAGE LINE
 : NEGATIVE VOLTAGE LINE : AUDIO SIGNAL LINE



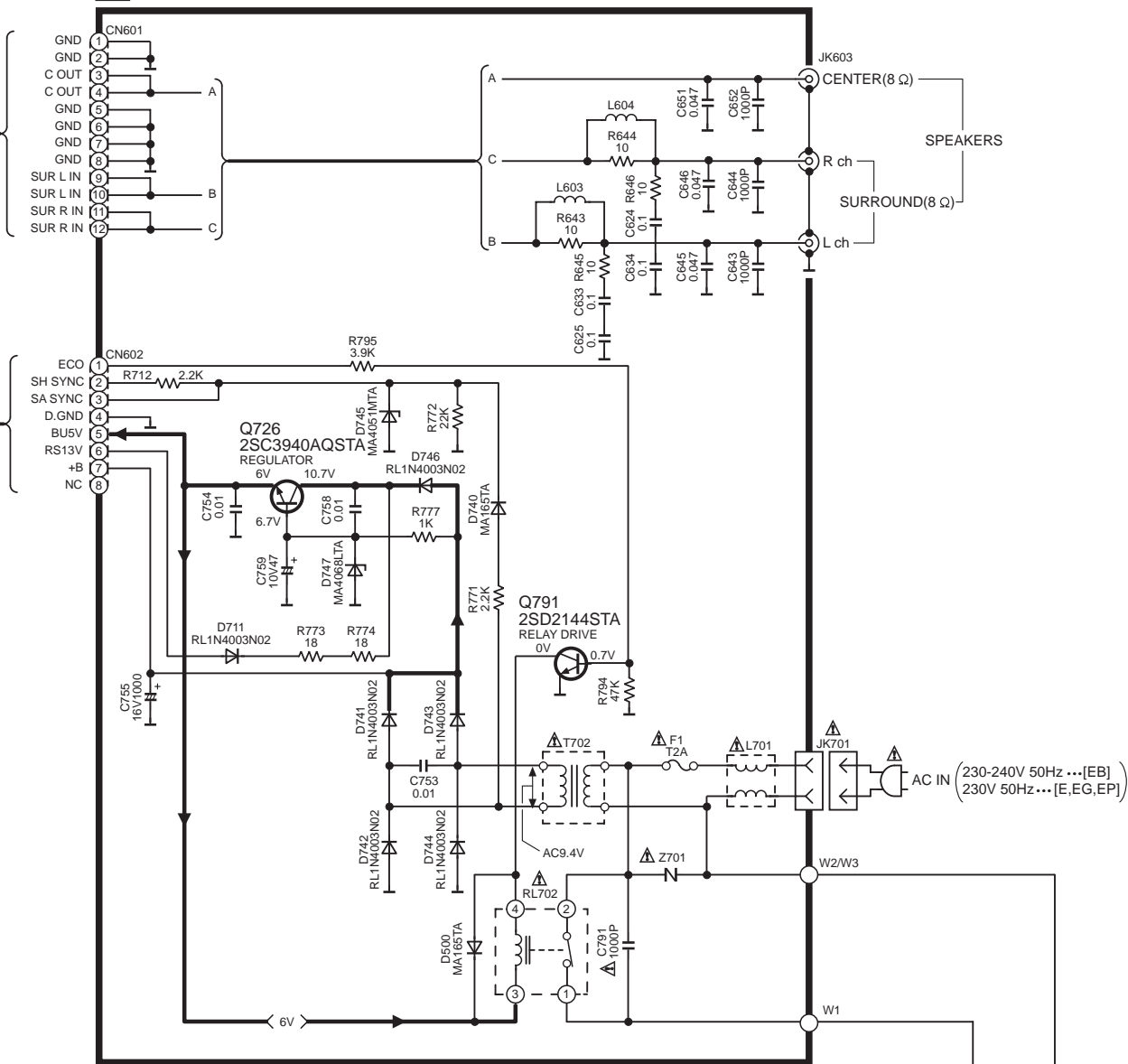
GND
 GND
 C OUT
 C OUT
 GND
 GND
 GND
 SUR L IN
 SUR L IN
 SUR R IN
 SUR R IN

ECO
 SH SYNC
 SA SYNC
 D.GND
 BU5V
 RS13V
 +B
 NC

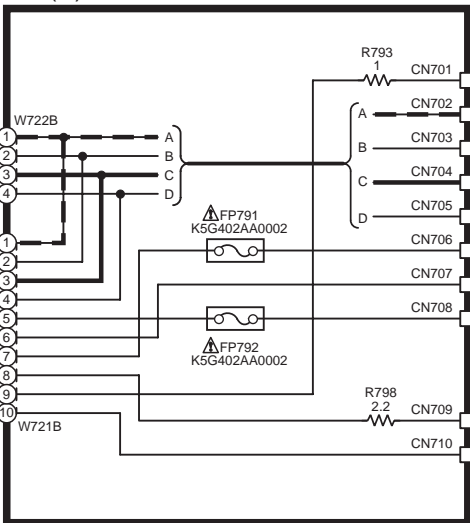
E POWER T (A) CIRCUIT



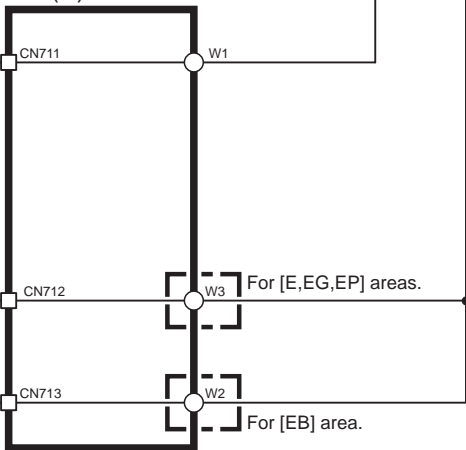
D AC IN CIRCUIT



E POWER TRANSFORMER (A) CIRCUIT



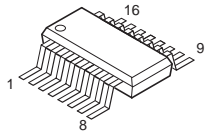
F POWER TRANSFORMER (B) CIRCUIT



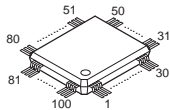
SA-EH790(E,EB,EG,EP) MAIN, AC IN, POWER TRANSFORMER(A)&(B) CIRCUIT DIAGRAM

H
G
F
E
D
C
B
A

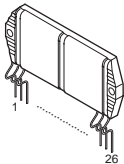
BU4053BCFE2
C1BB00000527



C2BBFD000404



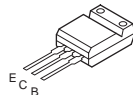
RSN311W64B



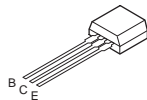
UN411FTA
UN4211TA
UN4212TA



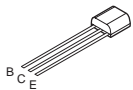
2SB1417PQTA
2SD2137PQTA



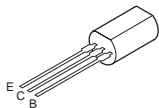
2SD2144STA



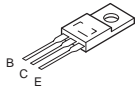
2SA1995RSTA
2SC5398RSTA



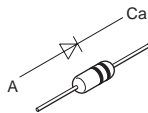
2SC3940AQSTA



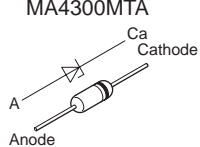
2SB1548PQAU
2SD2374PQAU



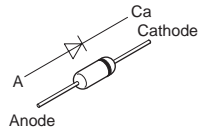
1SS291TA
MA700ATA



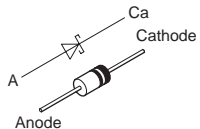
MA4100MTA
MA4150HTA
MA4300MTA



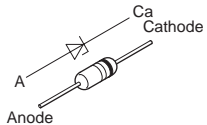
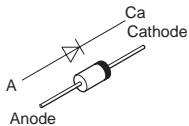
MA165TA



SB360L6508

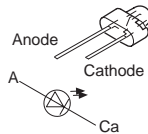


1N5402BM21
RL1N4003N02



MA4030MTA
MA4051MTA
MA4056MTA
MA4068LTA
MA4075MTA
MA4082LTA
MA4091HTA

LNJ301MPUJAD



SELS5223C
SELS5923C

