

(For United Kingdom)

(“EB” area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF-KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below. Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

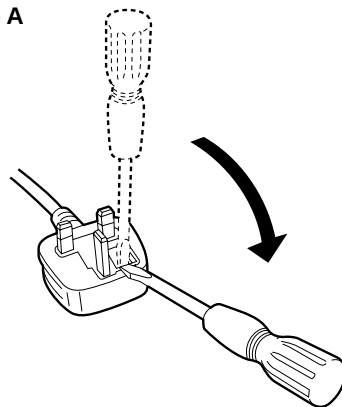
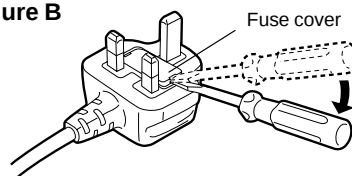


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

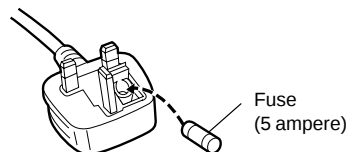
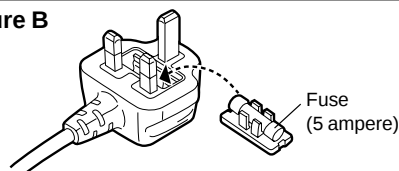


Figure B



1 Remove the knob of the channel fader.

2 Turn the unit over and remove the bottom cover. (Remove the two screws.)

Ⓐ Soft cloth, etc.

3 Remove the channel fader.

① How to remove the new channel fader

Ⓑ Channel fader

Ⓒ Bottom cover

② How to remove the used channel fader

1 Remove the two screws and remove the channel fader.

Ⓓ Switch

Ⓔ Factory setting

CAUTION

Do not move the switch. It is used in the factory to make adjustments.

2 Hold onto the connector and disconnect it from the channel fader.

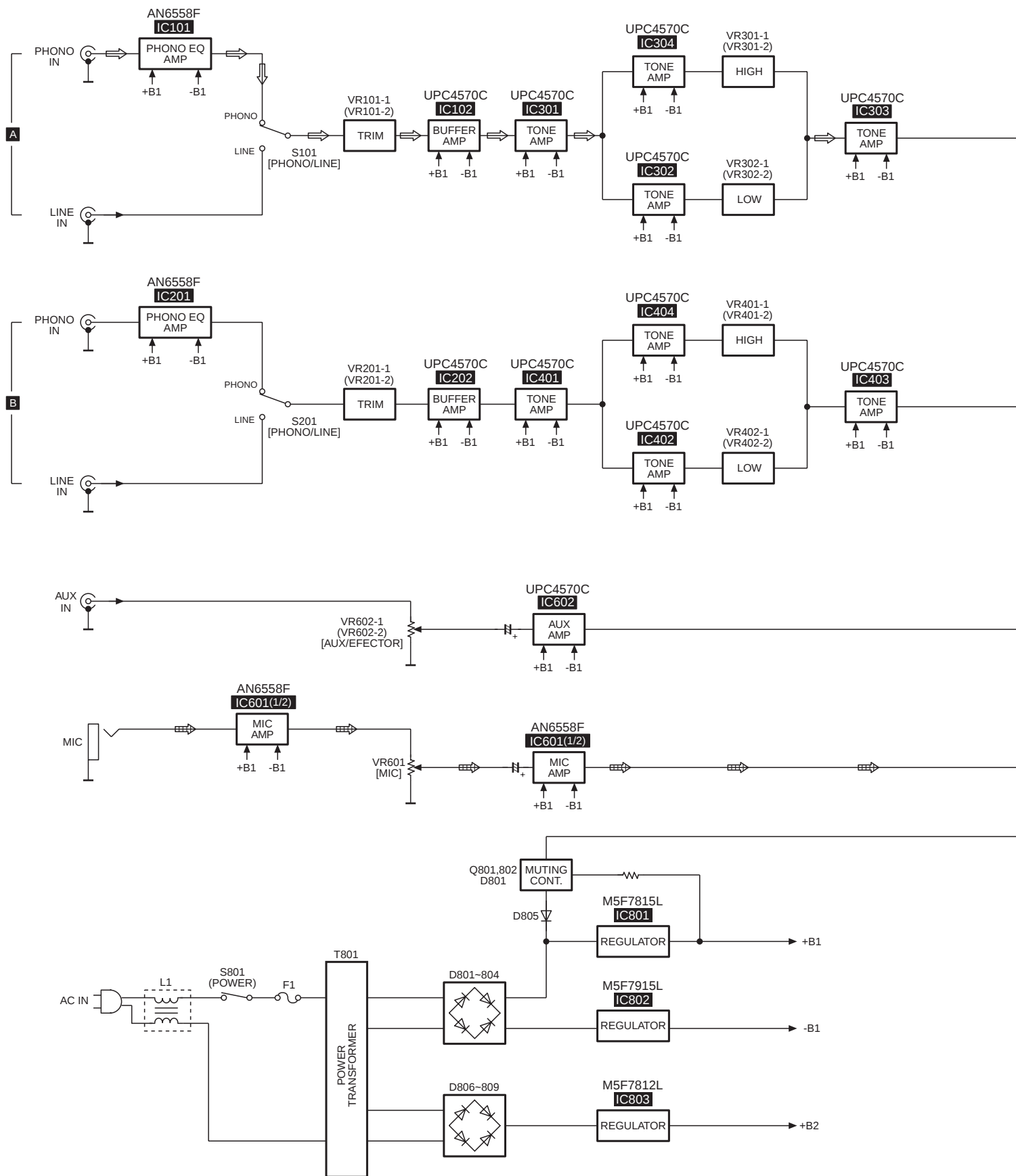
Ⓕ Cable

Ⓖ connector

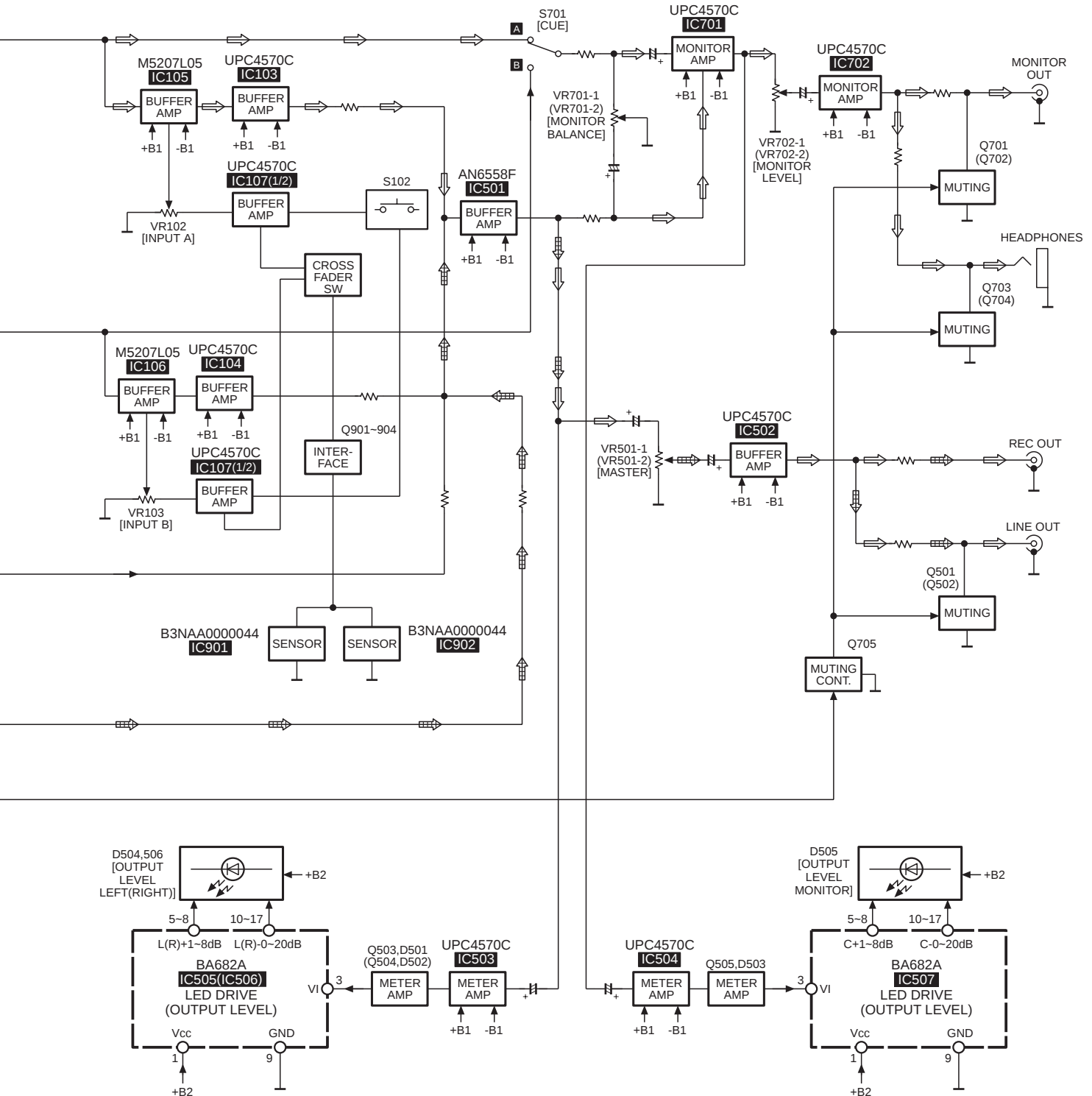
**4 Install the new channel fader.
(Reverse the steps taken to remove the old channel fader.)**

5 Attach the bottom cover.

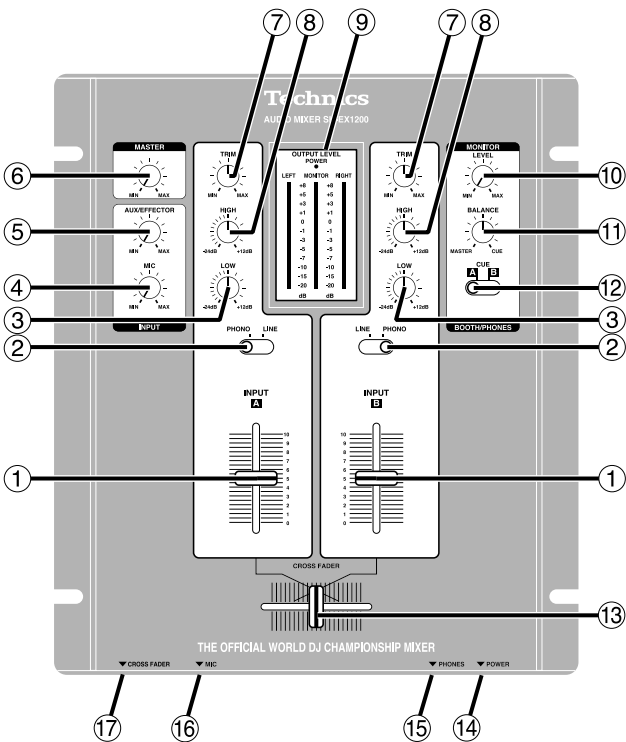
6 Attach the knob to the control.



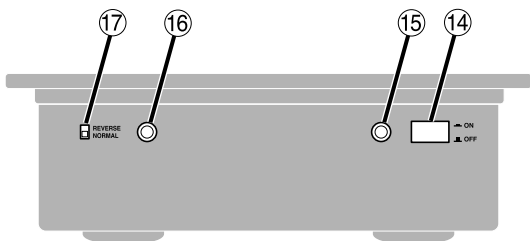
SH-EX1200(P,P,E,EB,GN) BLOCK DIAGRAM



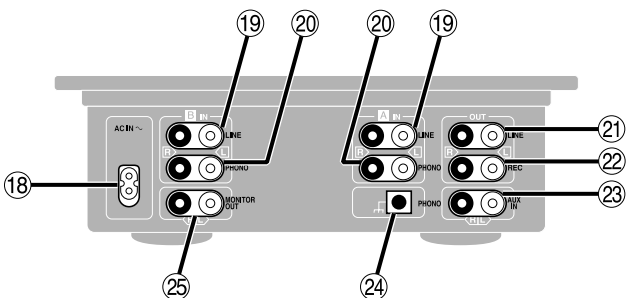
SH-EX1200(PP,E,EB,GN) BLOCK DIAGRAM



a Front panel



b Rear panel



- ① **A (B) Channel fader (INPUT)**
- ② **A (B) Input selector (LINE, PHONO)**
- ③ **A (B) LOW-range level control (LOW)**
- ④ **MIC volume level control (MIC)**
- ⑤ **AUX/EFFECTOR volume level control (AUX/EFFECTOR)**
- ⑥ **MASTER volume level control (MASTER)**
- ⑦ **A (B) Input sensitivity control (TRIM)**
- ⑧ **A (B) HIGH-range level control (HIGH)**
- ⑨ **OUTPUT LEVEL meter (OUTPUT LEVEL)**
This indicates the [LINE OUT] (L and R channels) and [MONITOR OUT] output levels.
- ⑩ **MONITOR volume level control (MONITOR LEVEL)**
- ⑪ **MONITOR BALANCE control (MONITOR BALANCE)**
This adjusts the balance between the [LINE OUT] source and source selected by the [MONITOR CUE] selector.
- ⑫ **MONITOR source selector (MONITOR CUE)**
Channels **A** and **B** can be selected as the output for headphones or monitor speakers regardless of the position of the faders.
- ⑬ **CROSS FADER (CROSS FADER)**
This enables the balance between CH **A** and CH **B** to be adjusted.
- ⑭ **Power button (POWER)**
- ⑮ **Headphones jack (PHONES)**
- ⑯ **MIC input jack (MIC)**
- ⑰ **CROSS FADER switch (CROSS FADER)**
You can reverse the input balance of CH **A** and CH **B** controlled with the cross fader ⑬.
NORMAL: output as labeled
REVERSE: output reversed
- a **Front panel**
- b **Rear panel**
- ⑱ **Power input socket (AC IN ~)**
- ⑲ **A (B) LINE IN connector (LINE IN)**
- ⑳ **A (B) PHONO IN connector (PHONO IN)**
- ㉑ **LINE OUT connector (LINE OUT)**
- ㉒ **REC OUT connector (REC OUT)**
- ㉓ **AUX IN connector (AUX IN)**
- ㉔ **PHONO grounding terminal (PHONO)**
Secure the grounding wire of the turntable to [PHONO] to prevent hum and noise.
- ㉕ **MONITOR OUT connector (MONITOR OUT)**
Outputs the same signal as the headphones. Connect a monitor amplifier when monitoring from the speakers without headphones as in independent DJ booths. Connect the general output amplifier to [LINE OUT] ㉑.

[MONITOR BALANCE] control ⑪

Select [CUE] (completely to the right)

- Works as past general DJ mixer monitors.
- Allows the CH (**A** , **B**) input selected with [MONITOR CUE] ⑫ to be monitored regardless of the position of the [INPUT] channel faders and [CROSS FADER].

Select [MASTER] (completely to the left)

- Disregards the source selected with [MONITOR CUE] (**A** , **B**).
- Allows monitoring of the output from the [LINE OUT] connector ㉑.

Select the center

- Allows the CH (**A** , **B**) input selected with the [MONITOR CUE] control ⑫ and the output from the [LINE OUT] connector ㉑ to be mixed and monitored.

Note:

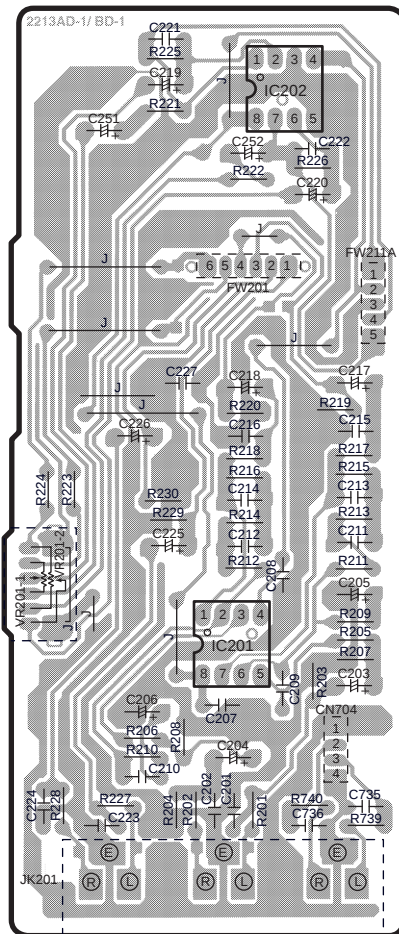
The channel faders are designed for a long service life, but this can be shortened if they are used in a situation that requires rapid movement, such as during Hip-Hop transfer play. The controls may need to be replaced frequently if used this way. A spare channel fader is provided inside the bottom panel of the unit. Refer to the additional instructions. Consult your dealer if the cross fader ever needs replacing.

Fader replacement

Use numbers indicated in parentheses when asking for replacement parts.

- Channel fader (RFKVHDX1200B)

B INPUT(B)P.C.B.

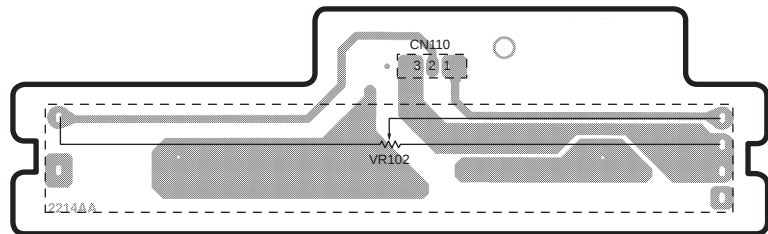


TRIM



(REP3196B-M... [E,EB,GN])
(REP3196C-M... [PP])

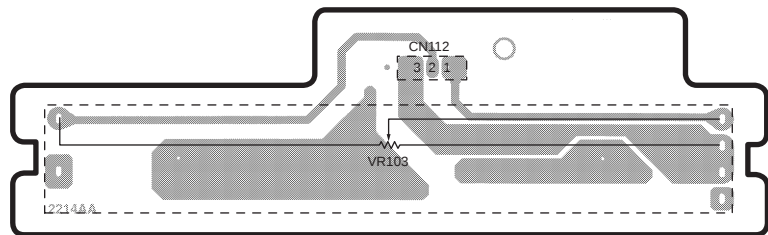
G CHANNEL FADER(A)P.C.B.



(REP3198A-M)

INPUT A

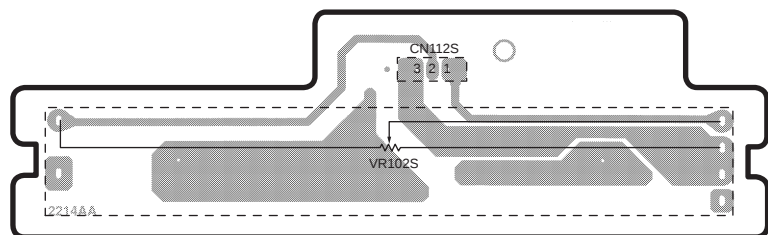
I CHANNEL FADER(B)P.C.B.



(REP3198A-M)

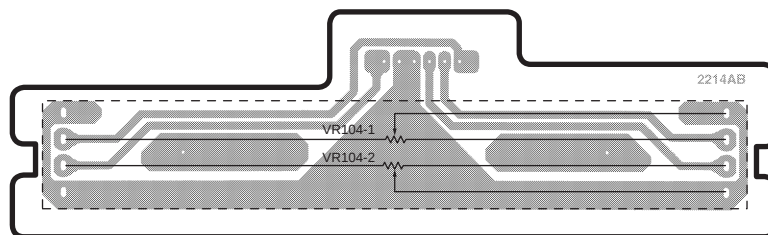
INPUT B

W CHANNEL FADER(SPARE)P.C.B.



(REP3198A-M)

H CROSS FADER P.C.B.

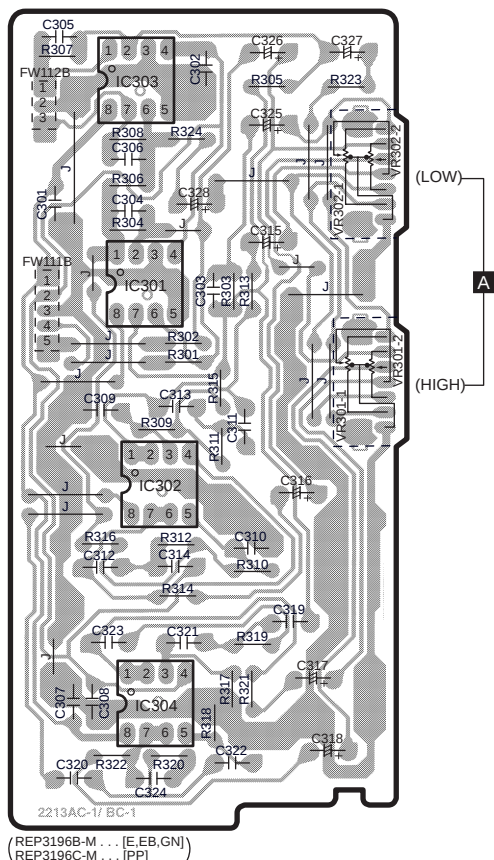


(REP3198A-M)

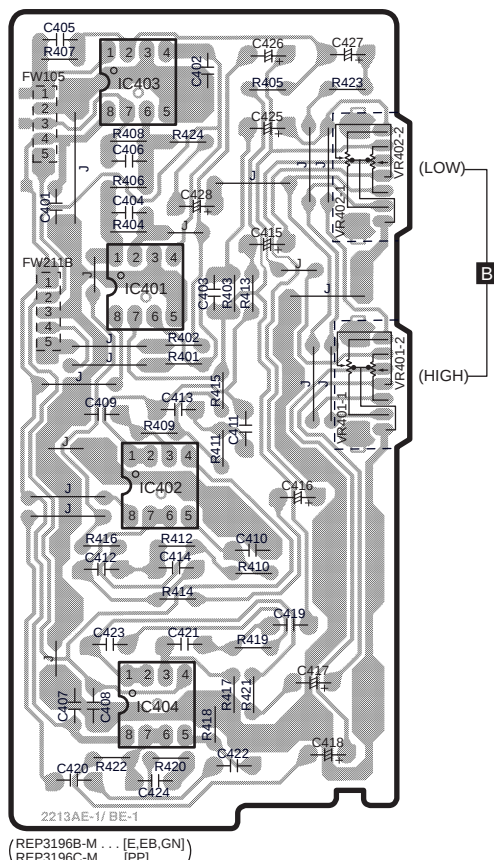
CROSS FADER

SH-EX1200(PP,E,EB,GN)
INPUT(B), CHANNEL FADER(A), CHANNEL FADER(B),
CHANNEL FADER(SPARE), CROSS FADER P.C.B.

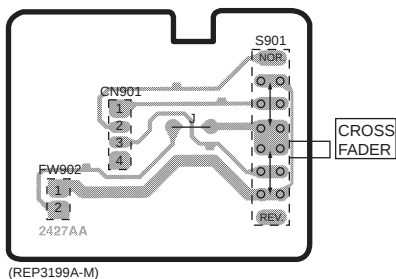
E TONE CONTROL(A) P.C.B.



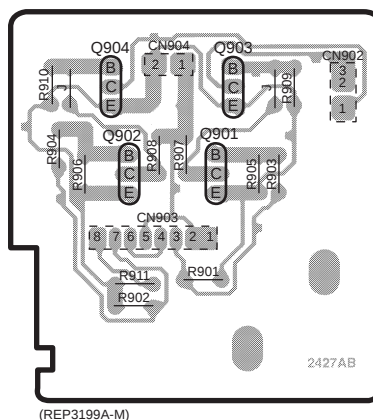
F TONE CONTROL(B) P.C.B.



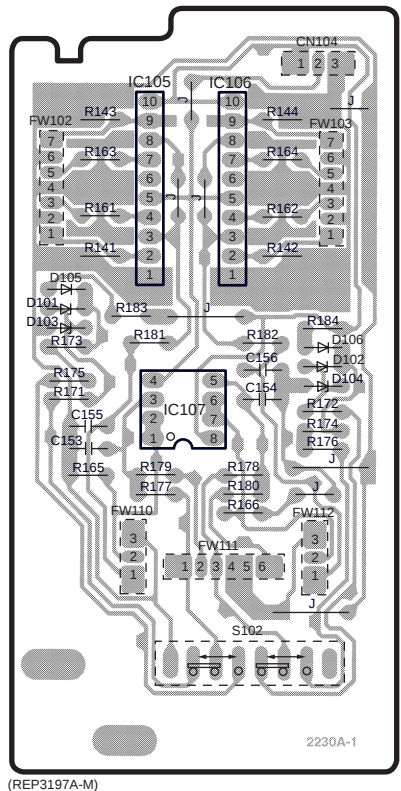
S CROSS FADER SW P.C.B.



T CROSS FADER ON/OFF P.C.B.

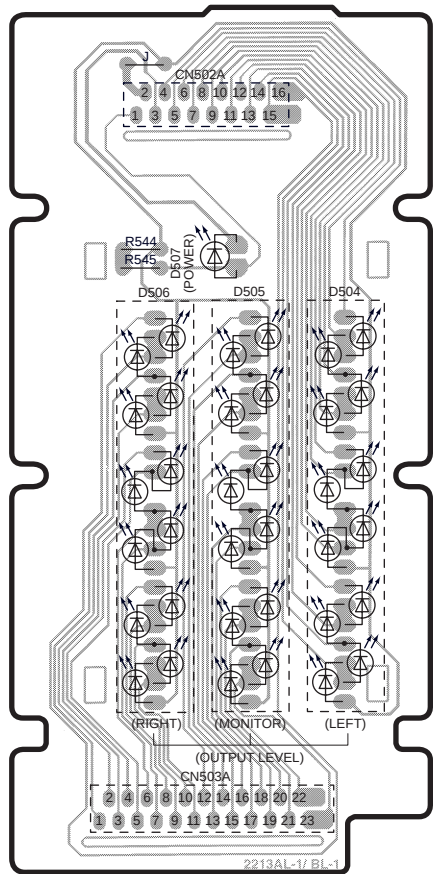


J CONTROL P.C.B.



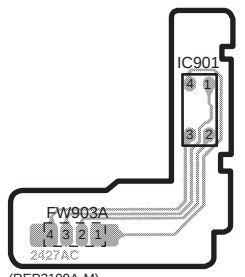
(REP3197A-M)

N LED P.C.B.



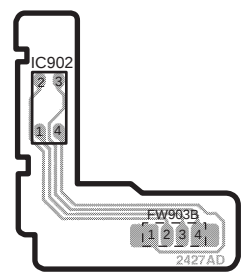
(REP3196B-M... [E,EB,GN])
(REP3196C-M... [PP])

U SENSOR(A) P.C.B.



(REP3199A-M)

V SENSOR(B) P.C.B.



(REP3199A-M)

1

2

3

4

5

6

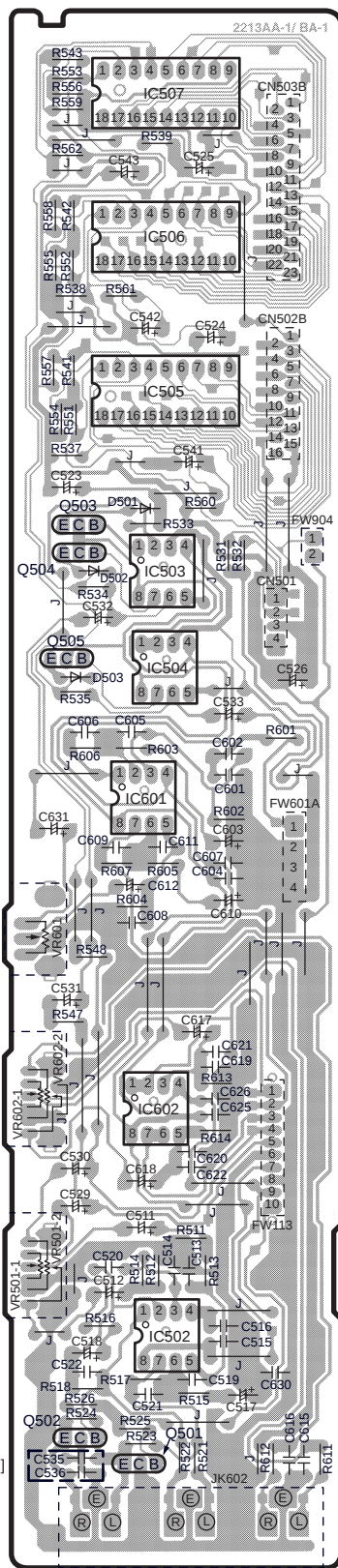
7

8

(MIC)
INPUT
(AUX/
EFFECTOR)

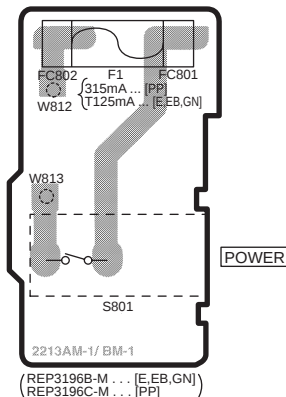
MASTER

For
[E,EB,GN]
areas.

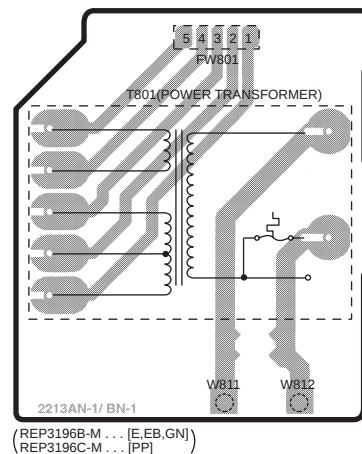


L OUTPUT
P.C.B.

R POWER SW P.C.B.



Q TRANSFORMER P.C.B.



LINE
OUT

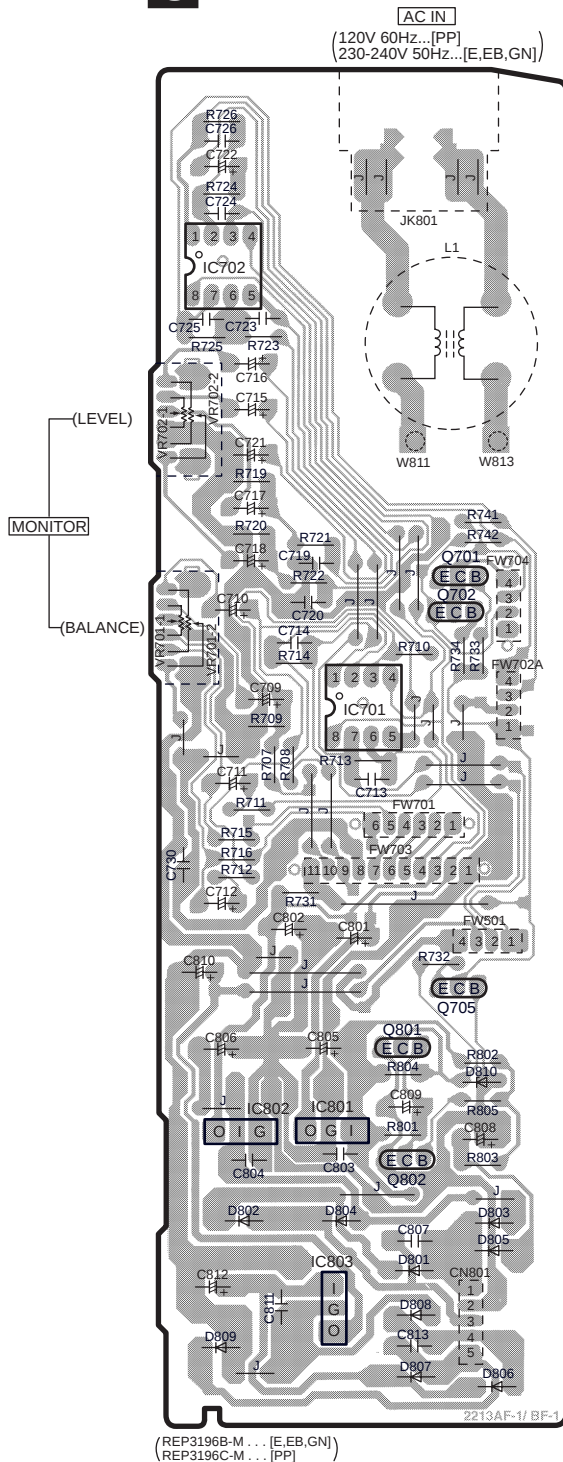
REC
OUT

AUX
IN

(REP3196B-M... [E,EB,GN])
(REP3196C-M... [PP])

SH-EX1200(PP,E,EB,GN)
OUTPUT, POWER SW,
TRANSFORMER P.C.B.

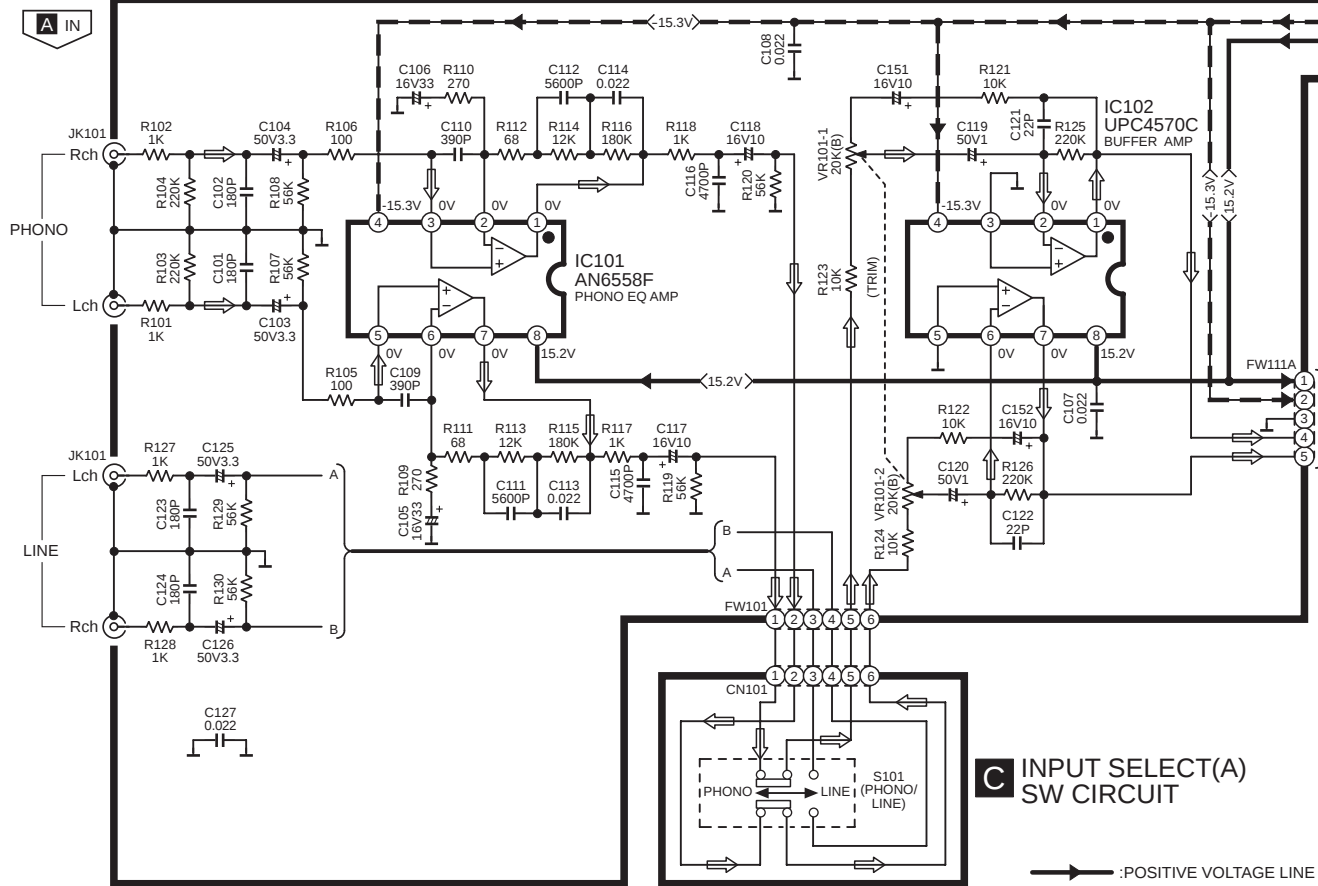
O MONITOR P.C.B.



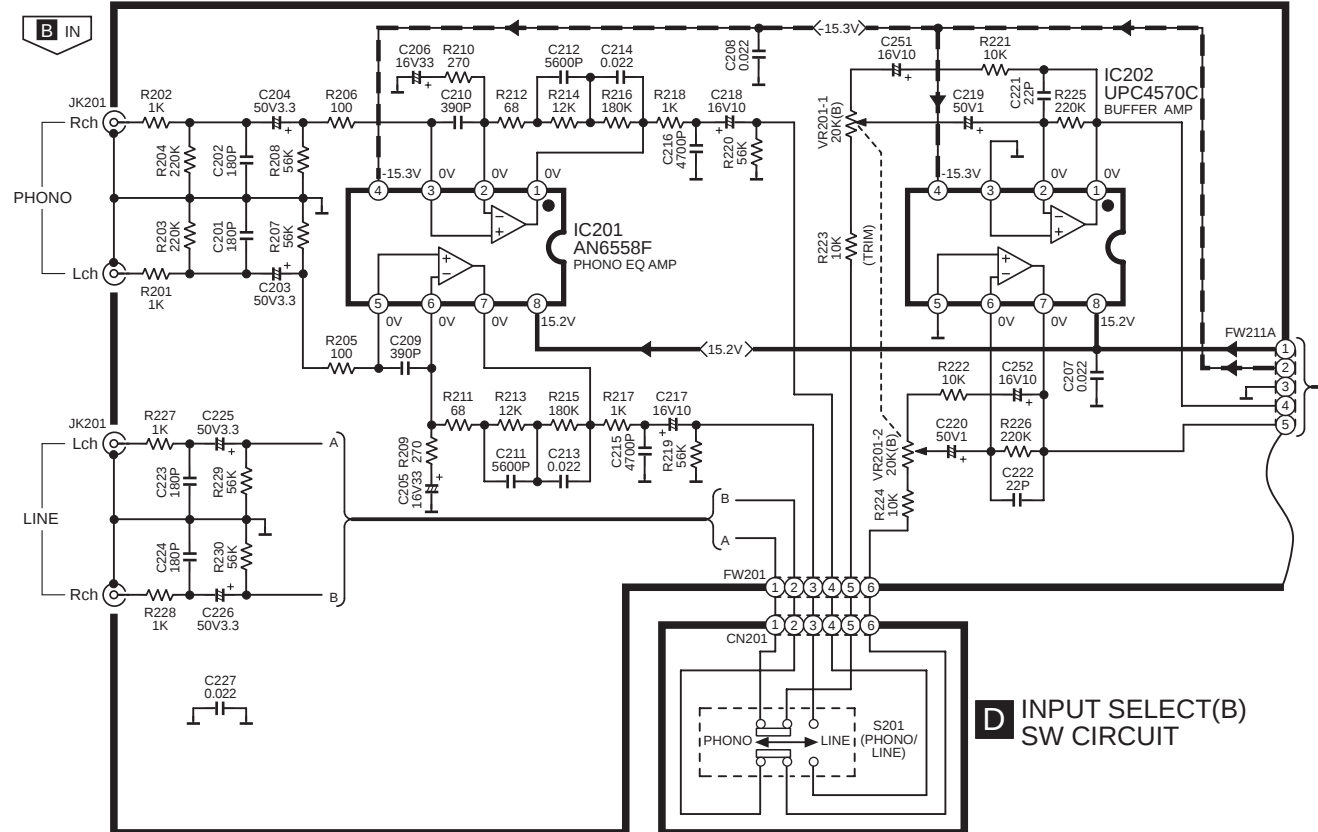
SCHEMATIC DIAGRAM-1

A INPUT(A) CIRCUIT

NOTE:
The number which noted at the connectors on the schematic diagram as
"SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2"
indicates the schematic diagram serial number located on the left corner in the schematic diagram.



B INPUT(B) CIRCUIT

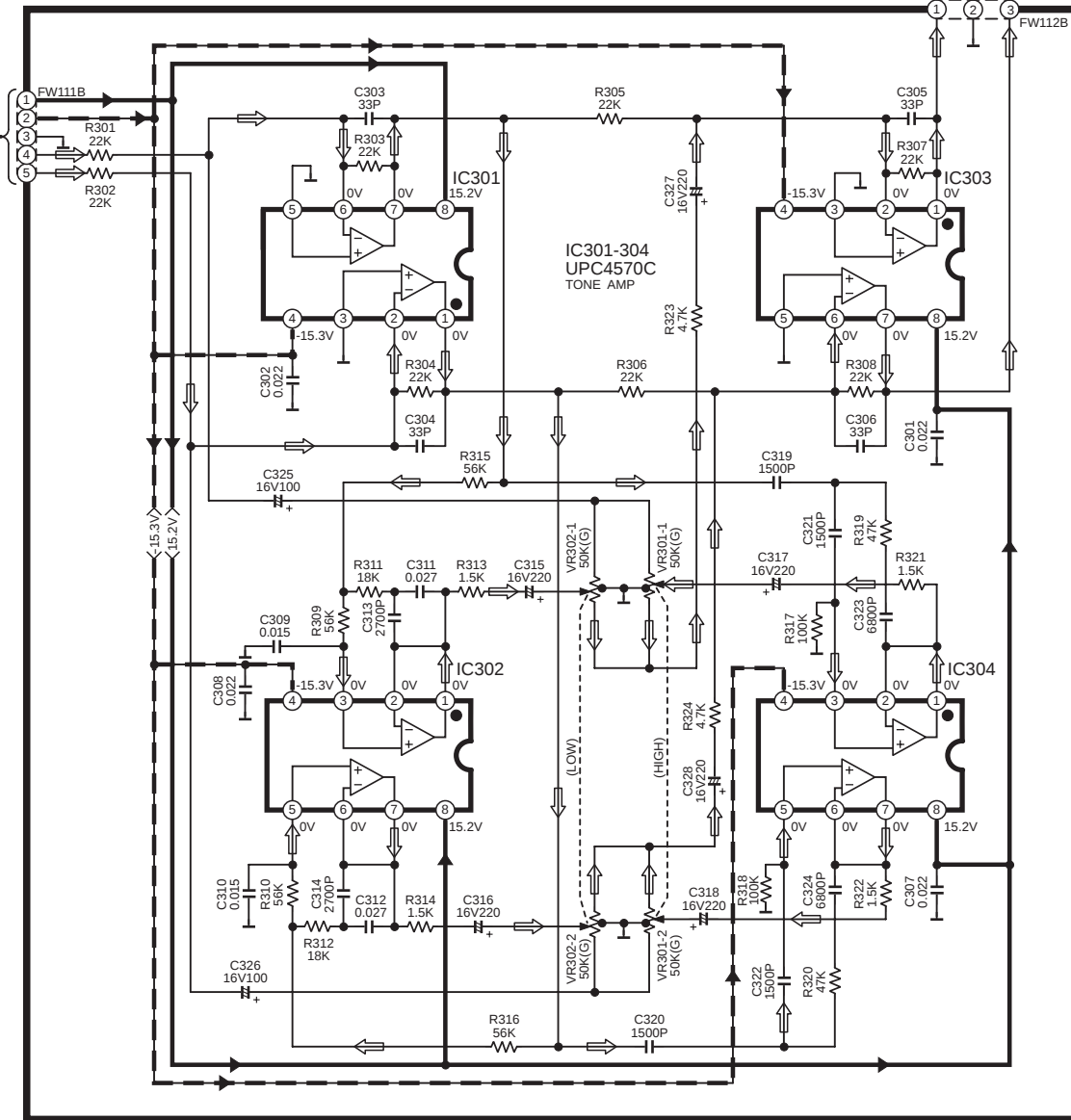


C INPUT SELECT(A) SW CIRCUIT

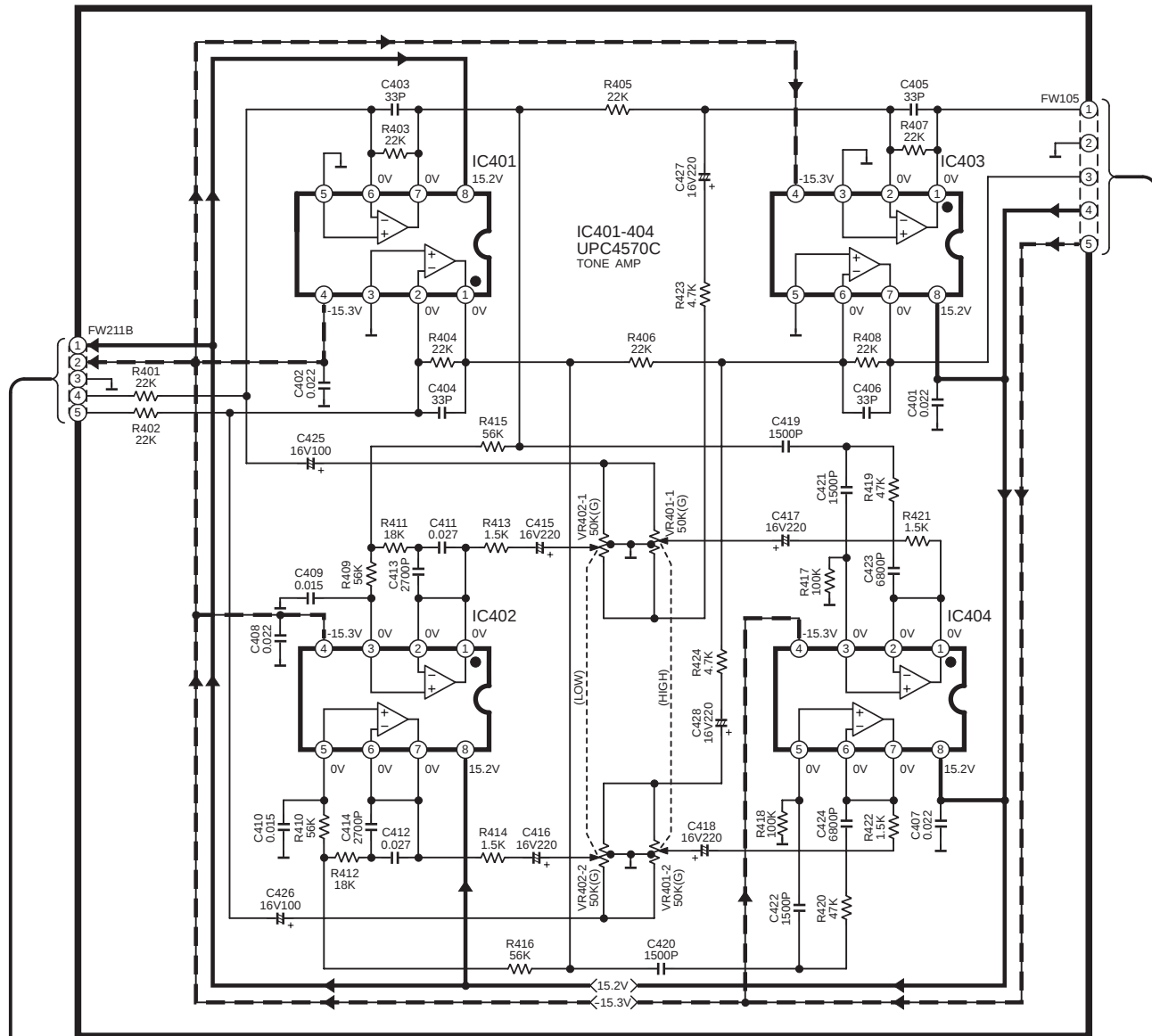
D INPUT SELECT(B) SW CIRCUIT

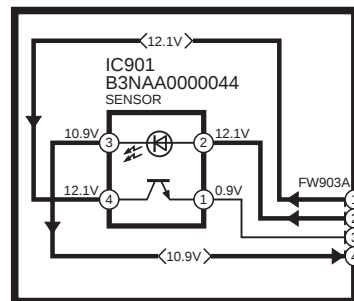
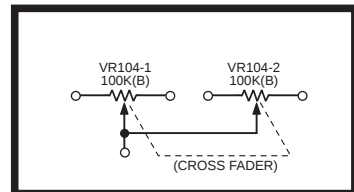
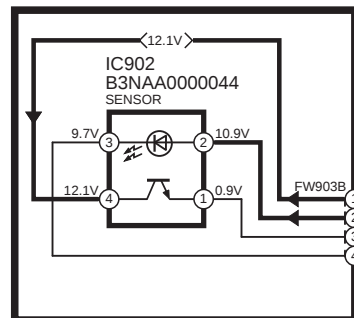
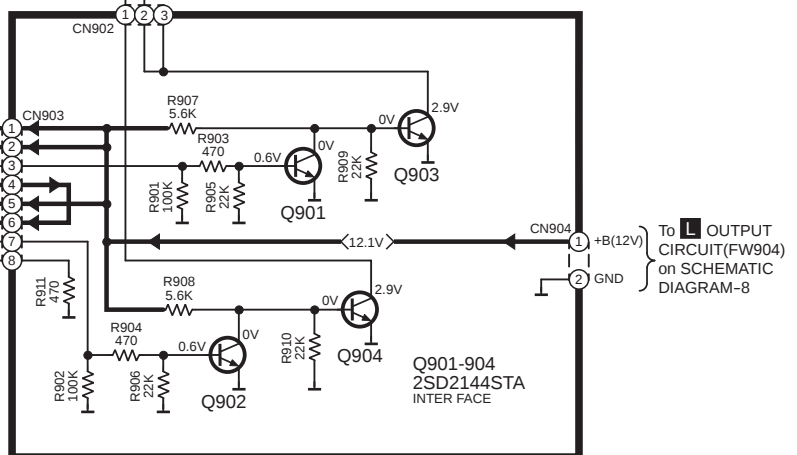
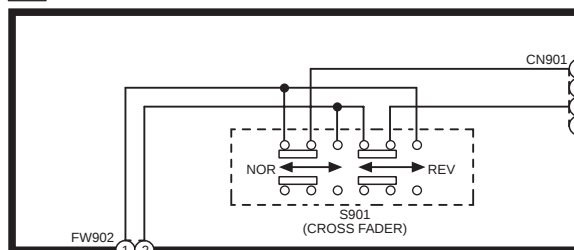
→ : POSITIVE VOLTAGE LINE - - - - - : NEGATIVE VOLTAGE LINE ⇨ : PHONO(A) SIGNAL LINE

E TONE CONTROL(A) CIRCUIT



F TONE CONTROL(B) CIRCUIT



U SENSOR(A) CIRCUIT**H** CROSS FADER CIRCUIT**V** SENSOR(B) CIRCUIT**S** CROSS FADER SW CIRCUIT**T** CROSS FADER ON/ OFF CIRCUIT

A INPUT(A) CIRCUIT

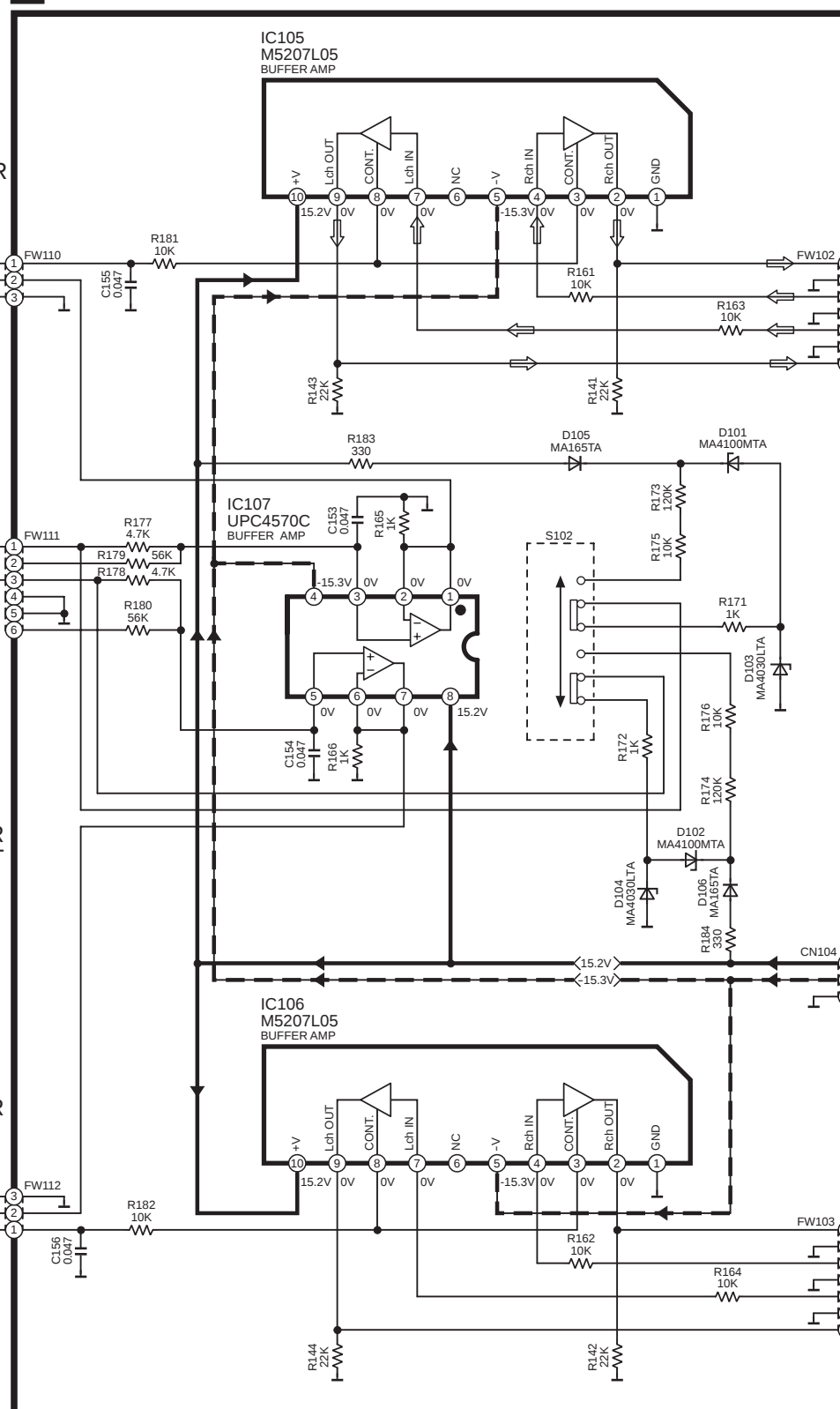
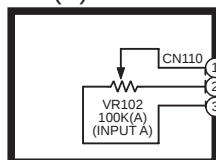
A INPUT(A) CIRCUIT

 : POSITIVE VOLTAGE LINE
  : NEGATIVE VOLTAGE LINE
  : PHONO(A) SIGNAL LINE

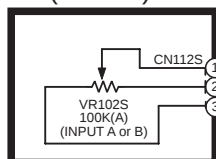


J CONTROL CIRCUIT

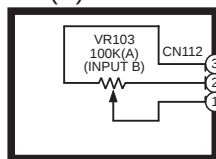
CHANNEL FADER (A) CIRCUIT



W CHANNEL FADER (SPARE) CIRCUIT



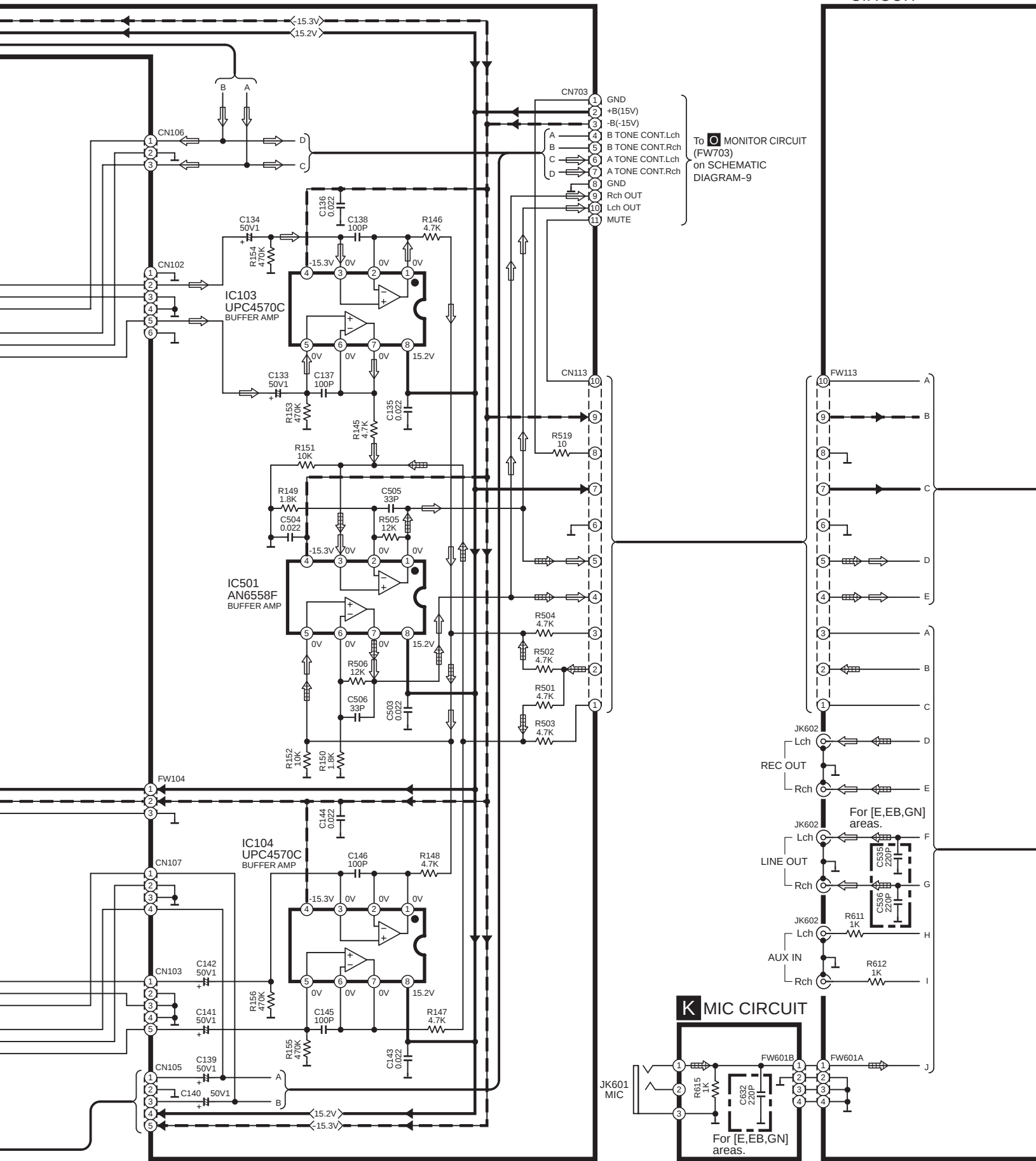
CHANNEL FADER (B) CIRCUIT



SCHEMATIC DIAGRAM-6

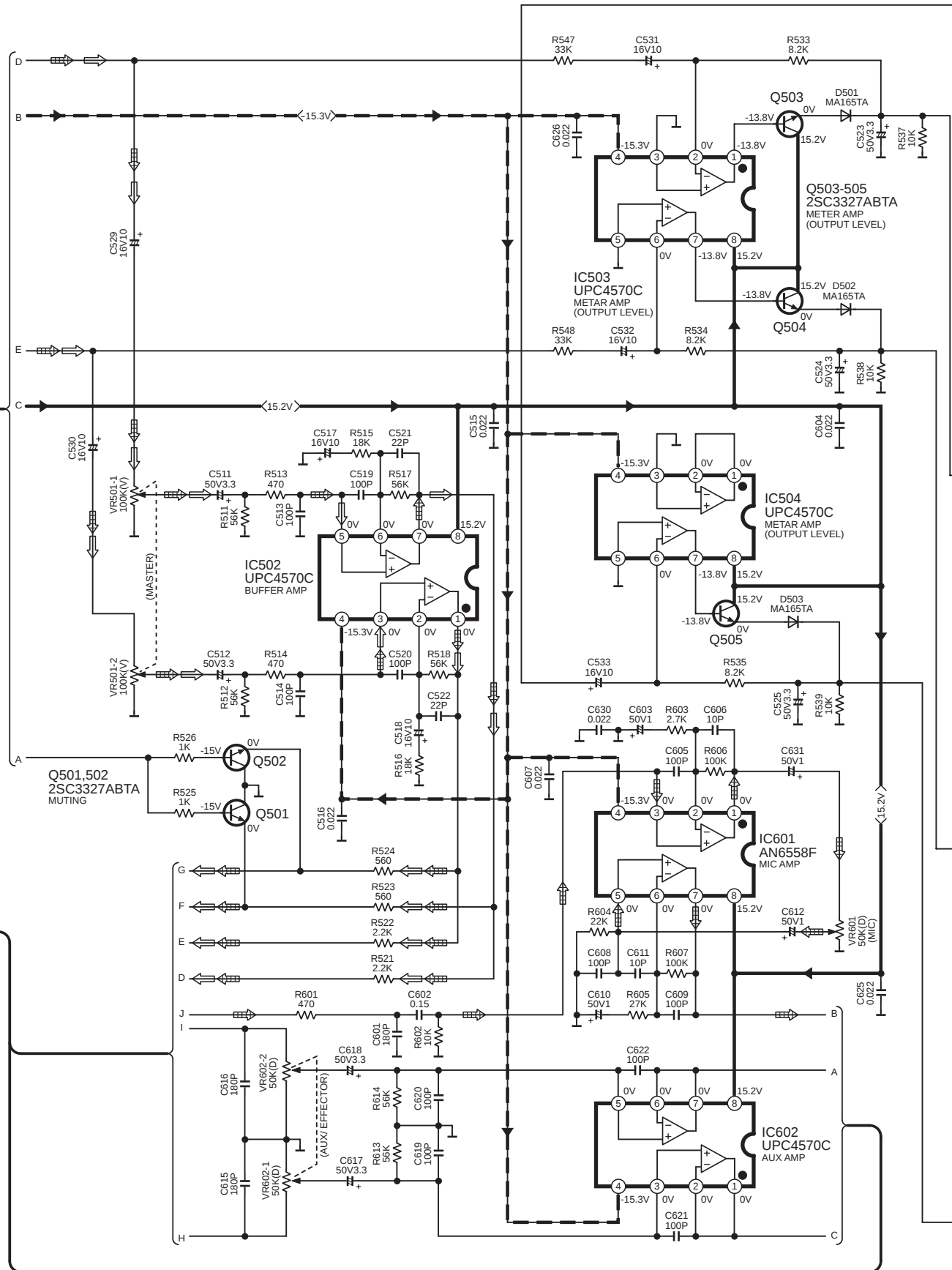
→ : POSITIVE VOLTAGE LINE
 → : PHONO(A) SIGNAL LINE
 - - - : NEGATIVE VOLTAGE LINE
 ⇨ : MIC SIGNAL LINE

L OUTPUT CIRCUIT



SCHEMATIC DIAGRAM-7

-  : POSITIVE VOLTAGE LINE
  : PHONO(A) SIGNAL LINE
 : NEGATIVE VOLTAGE LINE
  : MIC SIGNAL LINE



OUTPUT CIRCUIT

⇒:PHONO(A) SIGNAL LINE

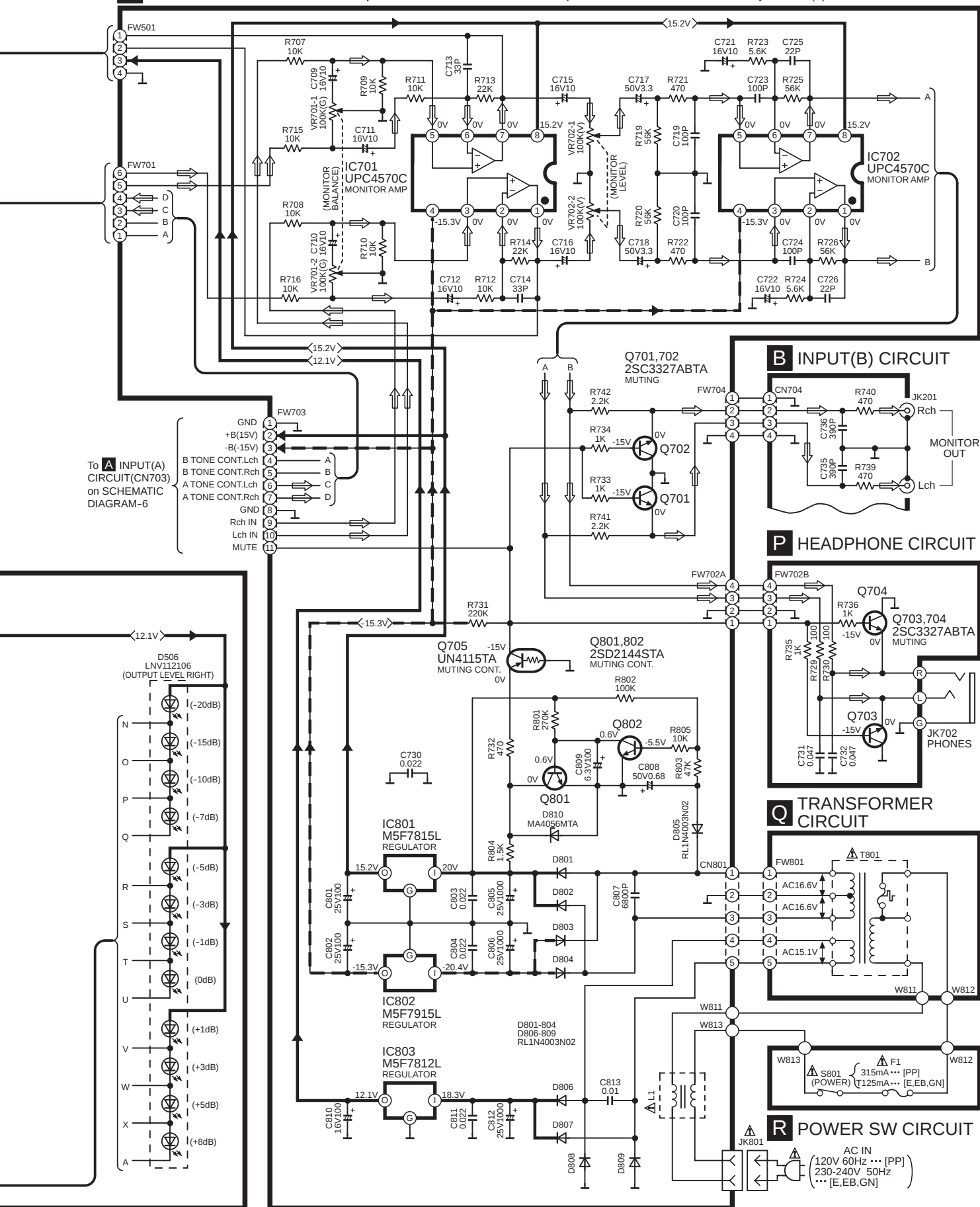


N LED CIRCUIT

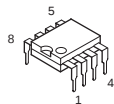
SCHEMATIC DIAGRAM-9

○ MONITOR CIRCUIT

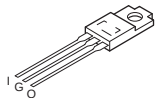
 : POSITIVE VOLTAGE LINE
 : NEGATIVE VOLTAGE LINE
 : PHONO(A) SIGNAL LINE



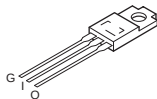
AN6558F
UPC4570C



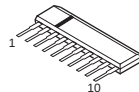
M5F7812L
M5F7815L



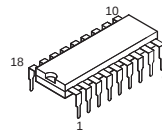
M5F7915L



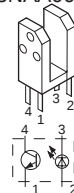
M5207L05



BA682A



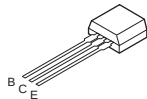
B3NAA0000044



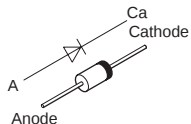
UN4115TA



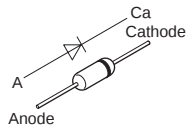
2SC3327ABTA
2SD2144STA



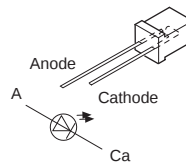
RL1N4003N02



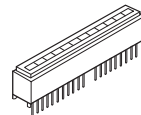
MA165TA



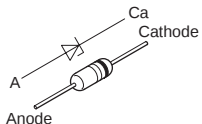
LN850RPLS



LVN112106



MA4056MTA
MA4030LTA



MA4100MTA

