

# Service Manual

CD Stereo System



Model No. **SA-AKX32PH**  
**SA-AKX32PN**  
**SA-AKX32PR**  
**SA-AKX52EB**  
**SA-AKX52EG**  
**SA-AKX52GN**  
**SA-AKX52PH**  
**SA-AKX52PN**  
**SA-AKX72PH**  
**SA-AKX72PN**  
**SA-AKX92PH**

Product Color: (K)...Black Type

**Subject :** Updates on Printed Circuit Board, Schematic Diagram, Exploded View, Parts List & Troubleshooting Guide.

Please file and use this supplement manual together with the service manual for  
Model No. SA-AKX32PH/PN-K Order No. PSG1102025CE  
Model No. SA-AKX32PR-K Order No. PSG1104022AE  
Model No. SA-AKX52PH/PN-K Order No. PSG1103013CE  
Model No. SA-AKX52EB/EG/GN-K Order No. PSG1104023CE  
Model No. SA-AKX72PH/PN-K Order No. PSG1103014CE  
Model No. SA-AKX92PH-K Order No. PSG1103015CE

**⚠ WARNING**  
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

## TABLE OF CONTENTS

|                                     | PAGE |                                                                    | PAGE |
|-------------------------------------|------|--------------------------------------------------------------------|------|
| 1 Notes .....                       | 3    | 2.1. Remote Sensor, USB & Tuner Circuit (SA-AKX32PH/PN/PR-K) ..... | 5    |
| 2 Schematic Diagram (Updates) ..... | 5    |                                                                    |      |



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|                                                                                    |           |
|------------------------------------------------------------------------------------|-----------|
| 2.2. SMPS Circuit (SA-AKX32PH/PN/PR-K)-----                                        | 6         |
| 2.3. Main Circuit (SA-AKX52EB/EG/GN-K) -----                                       | 7         |
| 2.4. Music Port Circuit (SA-AKX52EB/EG/GN-K)-----                                  | 10        |
| 2.5. Remote Sensor, USB & Tuner Circuit (SA-AKX52EB/EG/GN-K)-----                  | 11        |
| 2.6. Jupiter Circuit (SA-AKX52EB/EG/GN-K)-----                                     | 12        |
| 2.7. Main Circuit (SA-AKX52PH/PN-K)-----                                           | 13        |
| 2.8. Music Port Circuit (SA-AKX52PH/PN-K)-----                                     | 16        |
| 2.9. Remote Sensor, USB, Tuner & Voltage Selector Circuit (SA-AKX52PH/PN-K) -----  | 17        |
| 2.10. Jupiter Circuit (SA-AKX52PH/PN-K) -----                                      | 18        |
| 2.11. SMPS Circuit (SA-AKX52PH/PN-K)-----                                          | 19        |
| 2.12. Main Circuit (SA-AKX72PH/PN-K)-----                                          | 21        |
| 2.13. Remote Sensor, USB, Tuner & Voltage Selector Circuit (SA-AKX72PH/PN-K) ----- | 24        |
| 2.14. Jupiter Circuit (SA-AKX72PH/PN-K) -----                                      | 25        |
| 2.15. SMPS Circuit (SA-AKX72PH/PN-K)-----                                          | 26        |
| 2.16. Main Circuit (SA-AKX92PH-K)-----                                             | 27        |
| 2.17. Remote Sensor, USB, Tuner & Voltage Selector Circuit (SA-AKX92PH-K) -----    | 33        |
| 2.18. Jupiter Circuit (SA-AKX92PH-K) -----                                         | 34        |
| 2.19. SMPS Circuit (SA-AKX92PH-K)-----                                             | 35        |
| <b>3 Printed Circuit Board (Updates)-----</b>                                      | <b>36</b> |
| 3.1. Music Port, USB, Remote Sensor & Tuner P.C.B. (SA-AKX32PH/PN/PR-K) -----      | 36        |
| 3.2. SMPS & D-AMP P.C.B. (SA-AKX32PH/PN/PR-K)-----                                 | 37        |
| 3.3. Music Port, Remote Sensor, USB & Tuner P.C.B. (SA-AKX52EB/EG/GN-K)-----       | 38        |
| 3.4. Jupiter P.C.B. (SA-AKX52EB/EG/GN-K)-----                                      | 39        |
| 3.5. Music Port, Remote Sensor, USB & Tuner P.C.B. (SA-AKX52PH/PN-K) -----         | 40        |
| 3.6. Jupiter P.C.B. (SA-AKX52PH/PN-K) -----                                        | 41        |
| 3.7. SMPS P.C.B. (SA-AKX52PH/PN-K)-----                                            | 42        |
| 3.8. Main P.C.B. (SA-AKX72PH/PN-K)-----                                            | 43        |
| 3.9. Music Port, USB, Remote Sensor & Tuner P.C.B. (SA-AKX72PH/PN-K) -----         | 44        |
| 3.10. Jupiter P.C.B. (SA-AKX72PH/PN-K) -----                                       | 45        |
| 3.11. SMPS & Voltage Selector P.C.B. (SA-AKX72PH-K only)-----                      | 46        |
| 3.12. SMPS P.C.B. (SA-AKX72PH-K only)-----                                         | 47        |
| 3.13. Main P.C.B. (SA-AKX92PH-K)-----                                              | 48        |
| 3.14. Music Port, USB, Remote Sensor & Tuner P.C.B. (SA-AKX92PH-K) -----           | 49        |
| 3.15. Jupiter P.C.B. (SA-AKX92PH-K) -----                                          | 50        |
| <b>4 Exploded View (Updates)-----</b>                                              | <b>51</b> |
| 4.1. Cabinet Parts Location - Location B:11 - B:11. ---                            | 51        |
| <b>5 Electrical &amp; Mechanical Replacement Parts List (Updates)-----</b>         | <b>52</b> |
| <b>6 Troubleshooting Guide-----</b>                                                | <b>56</b> |
| 6.1. Jupiter-----                                                                  | 56        |

# 1 Notes

This supplement includes revised contents to the original service manual for below sections:-

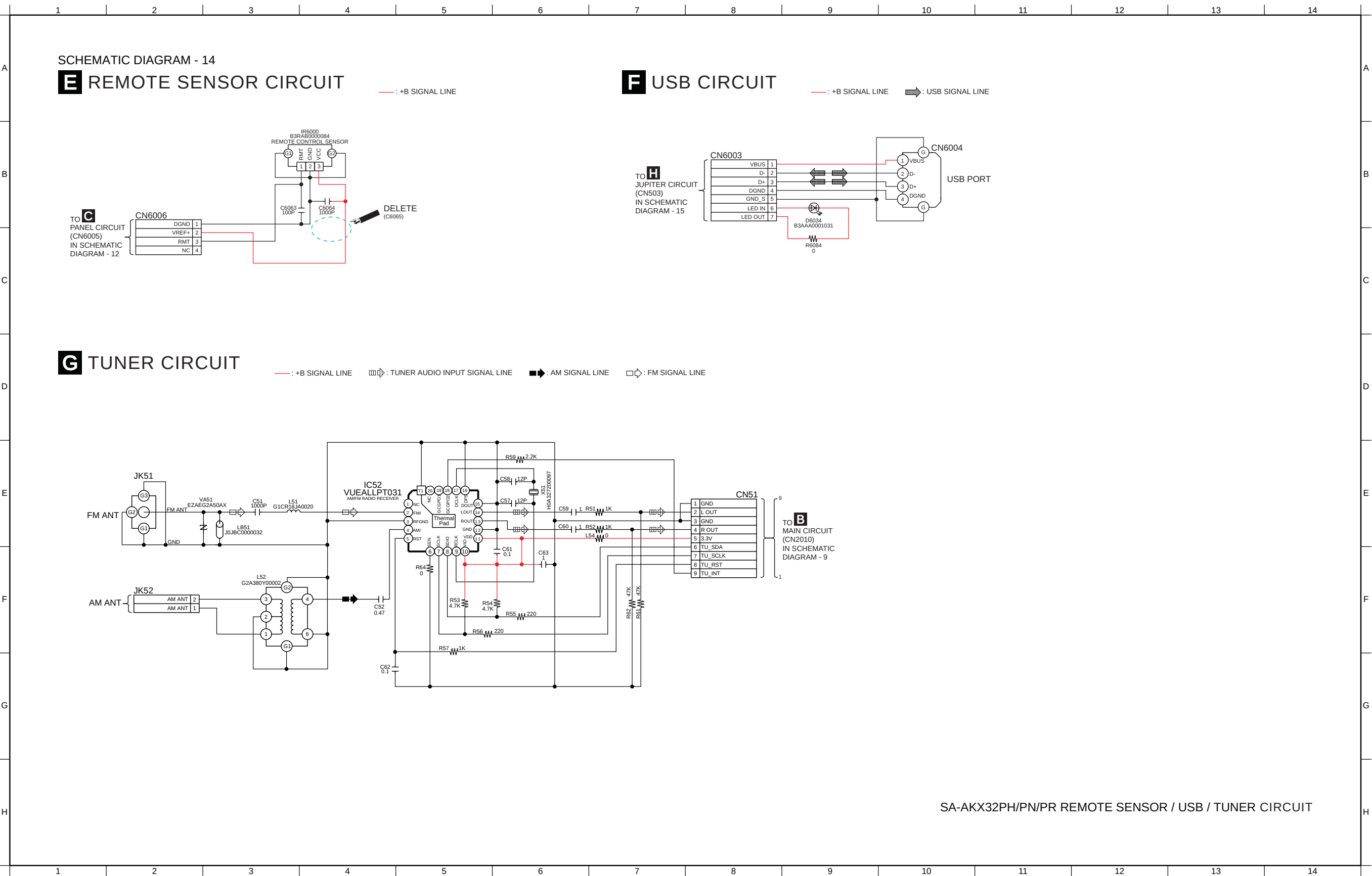
1. Schematic Diagram.
2. Printed Circuit Board.
3. Exploded View.
4. Electrical & Mechanical Replacement Parts List.
5. Troubleshooting Guide.



# 2 Schematic Diagram (Updates)

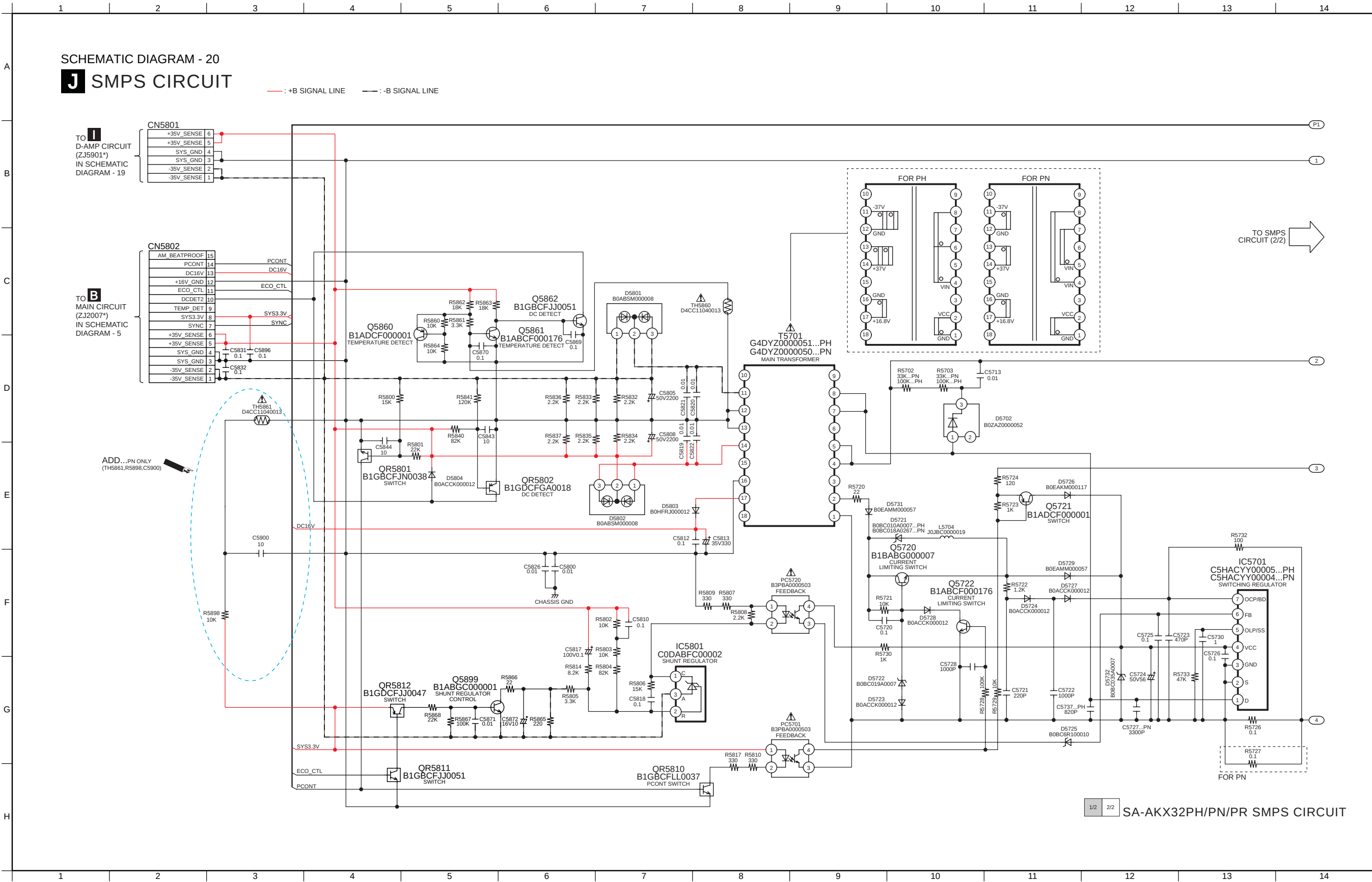
## 2.1. Remote Sensor, USB & Tuner Circuit (SA-AKX32PH/PN/PR-K)

With reference to original service manual (section 17.6) on pages 104.



2.2. SMPS Circuit (SA-AKX32PH/PN/PR-K)

With reference to original service manual (section 17.9) on page 110.

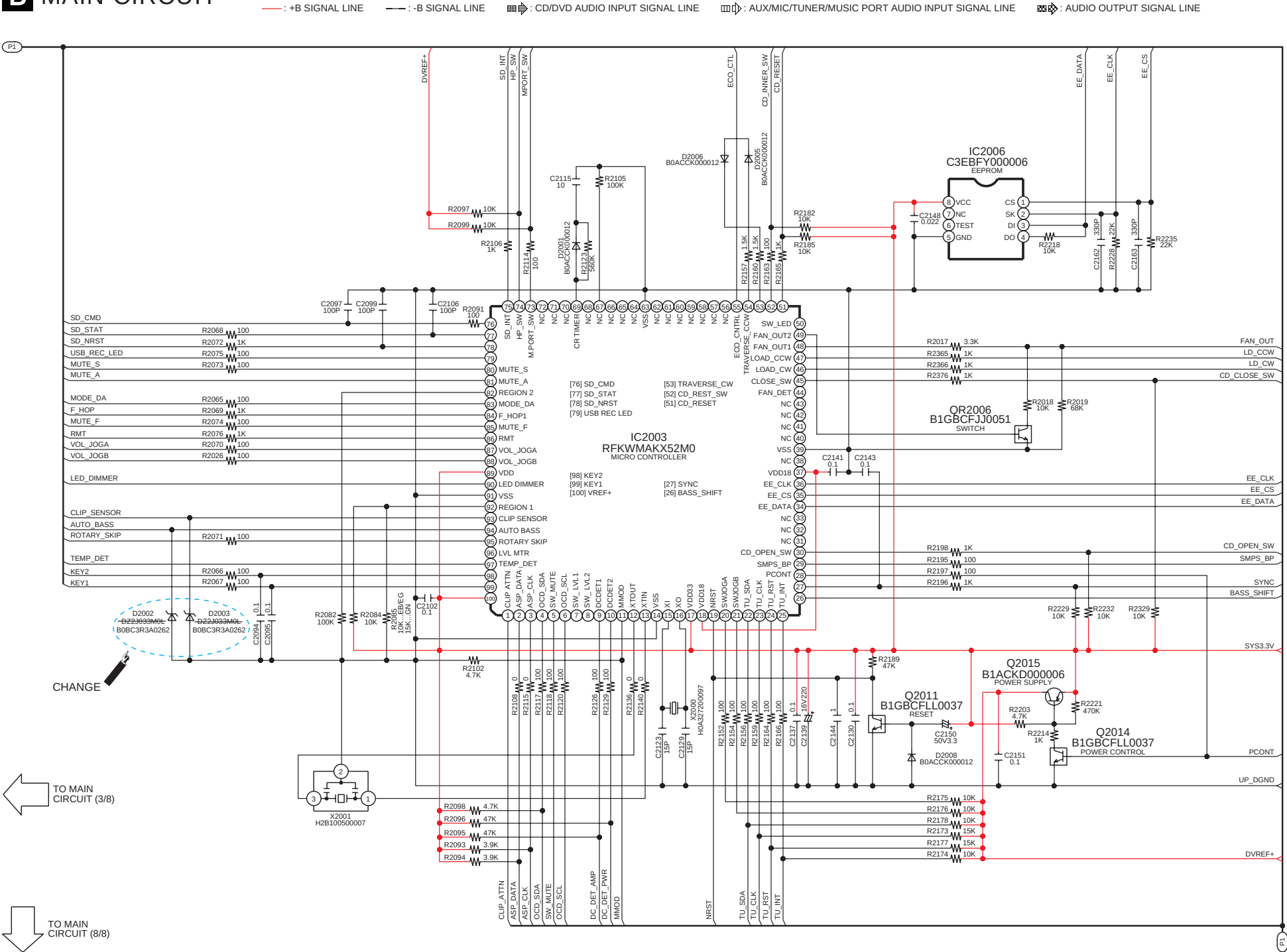


2.3. Main Circuit (SA-AKX52EB/EG/GN-K)

With reference to original service manual (section 17.3) on page 96, 97 & 98.

SCHEMATIC DIAGRAM - 6

**B** MAIN CIRCUIT



## B MAIN CIRCUIT

: AUDIO OUTPUT SIGNAL LINE

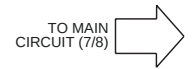
TO MAIN  
CIRCUIT (6/8)

SA-AKX52EB/EG/GN MAIN CIRCUIT

## B MAIN CIRCUIT

TO MAIN  
CIRCUIT (5/8)

↑ TO MAIN  
CIRCUIT (2/8)

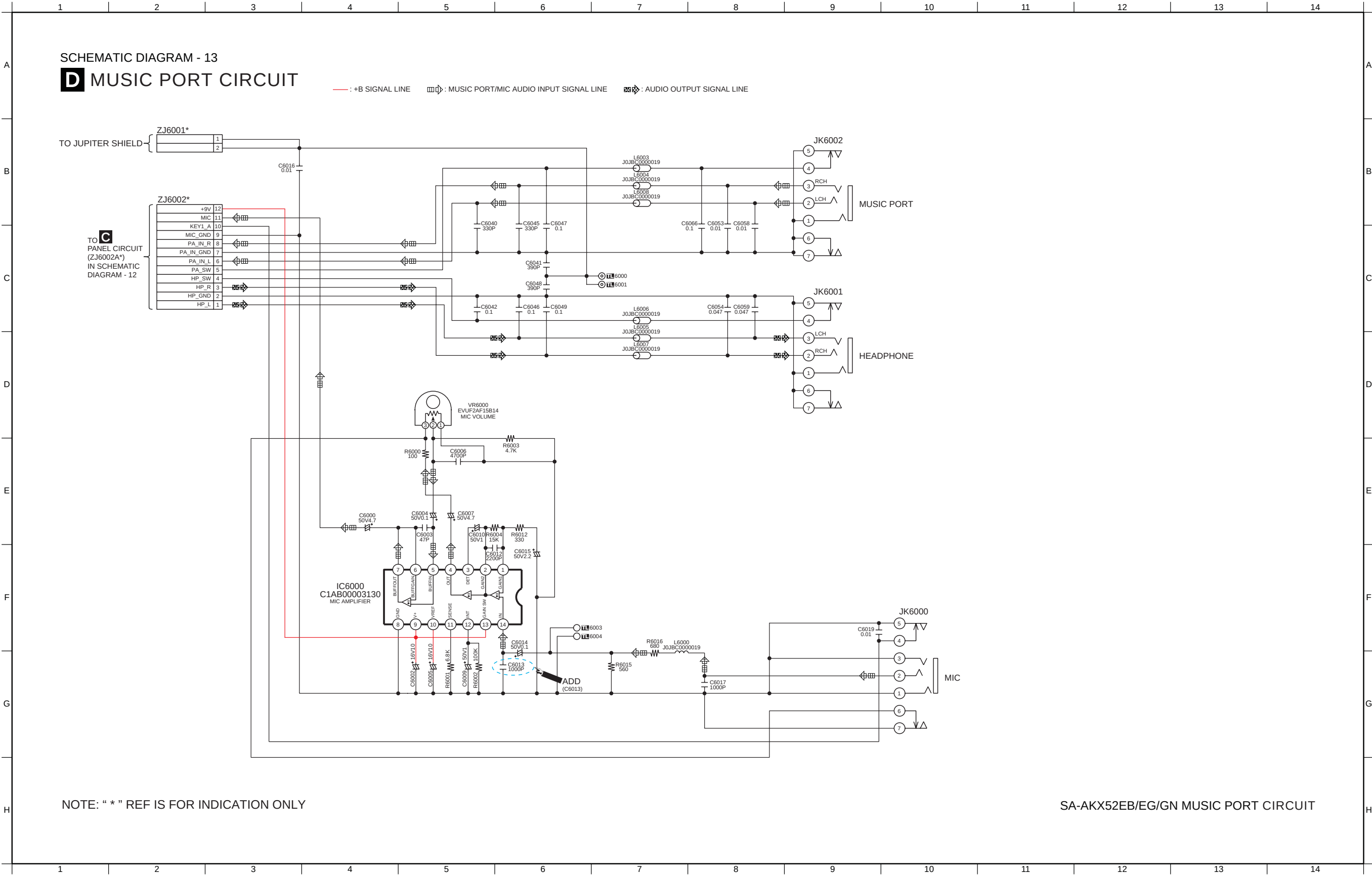


|     |     |     |     |
|-----|-----|-----|-----|
| 1/8 | 2/8 | 3/8 | 4/8 |
| 5/8 | 6/8 | 7/8 | 8/8 |

SA-AKX52EB/EG/GN MAIN CIRCUIT

2.4. Music Port Circuit (SA-AKX52EB/EG/GN-K)

With reference to original service manual (section 17.5) on page 103.





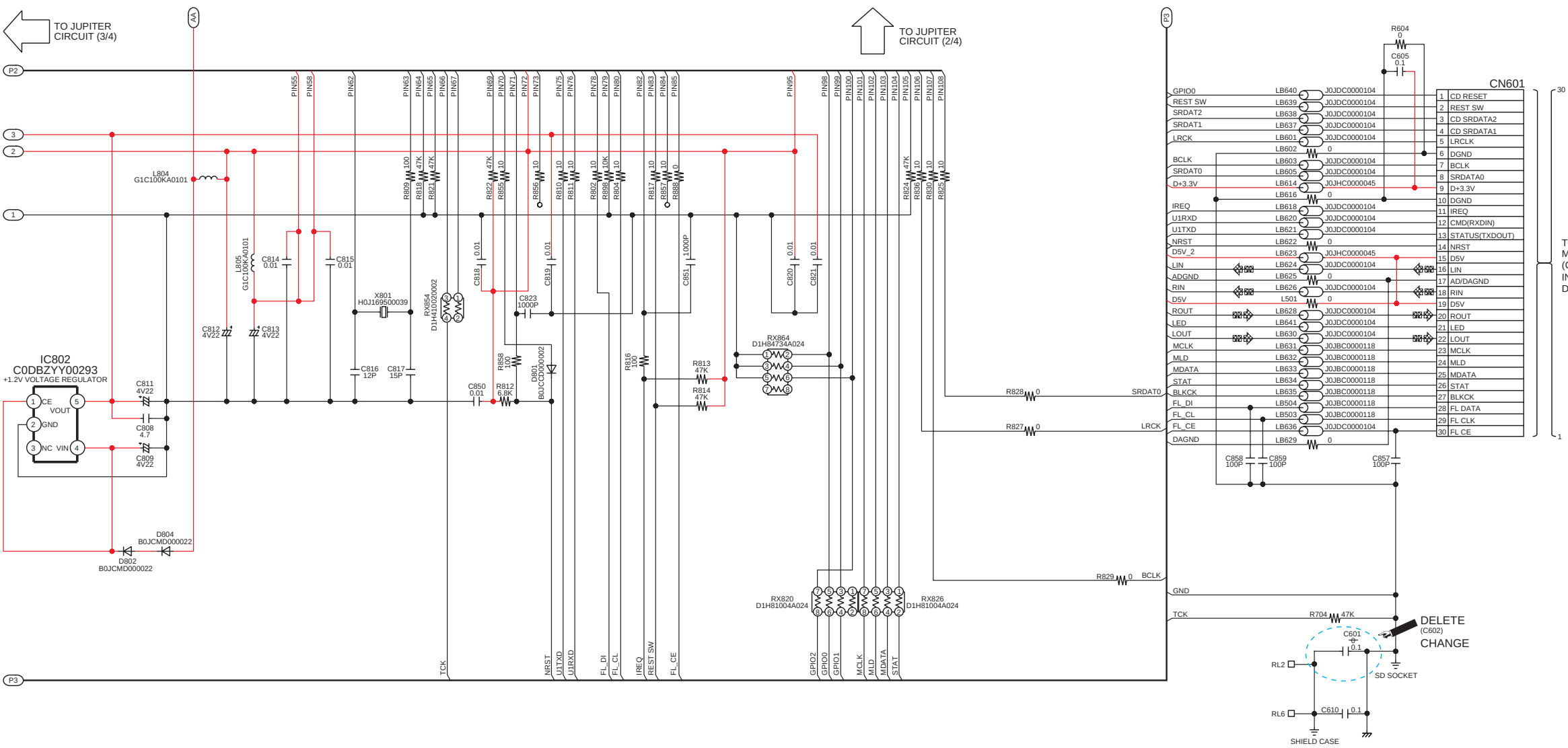
2.6. Jupiter Circuit (SA-AKX52EB/EG/GN-K)

With reference to original service manual (section 17.7) on page 108.

SCHEMATIC DIAGRAM - 18

JUPITER CIRCUIT

— : +B SIGNAL LINE    : AUDIO OUTPUT SIGNAL LINE    : USB SIGNAL LINE

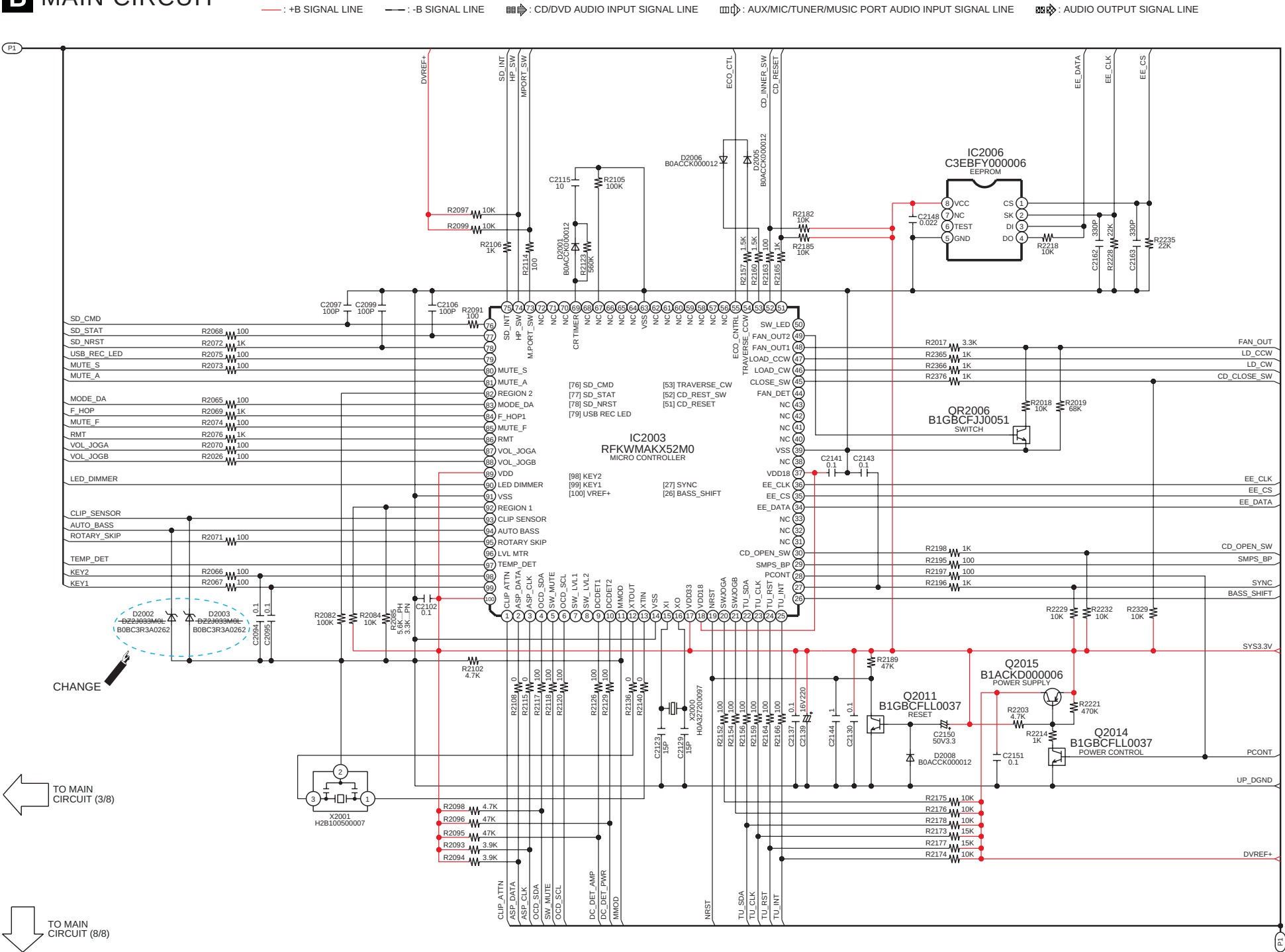


2.7. Main Circuit (SA-AKX52PH/PN-K)

With reference to original service manual (section 17.3) on page 98, 99 & 100.

SCHEMATIC DIAGRAM - 6

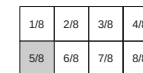
**B** MAIN CIRCUIT



## B MAIN CIRCUIT

: AUDIO OUTPUT SIGNAL LINE

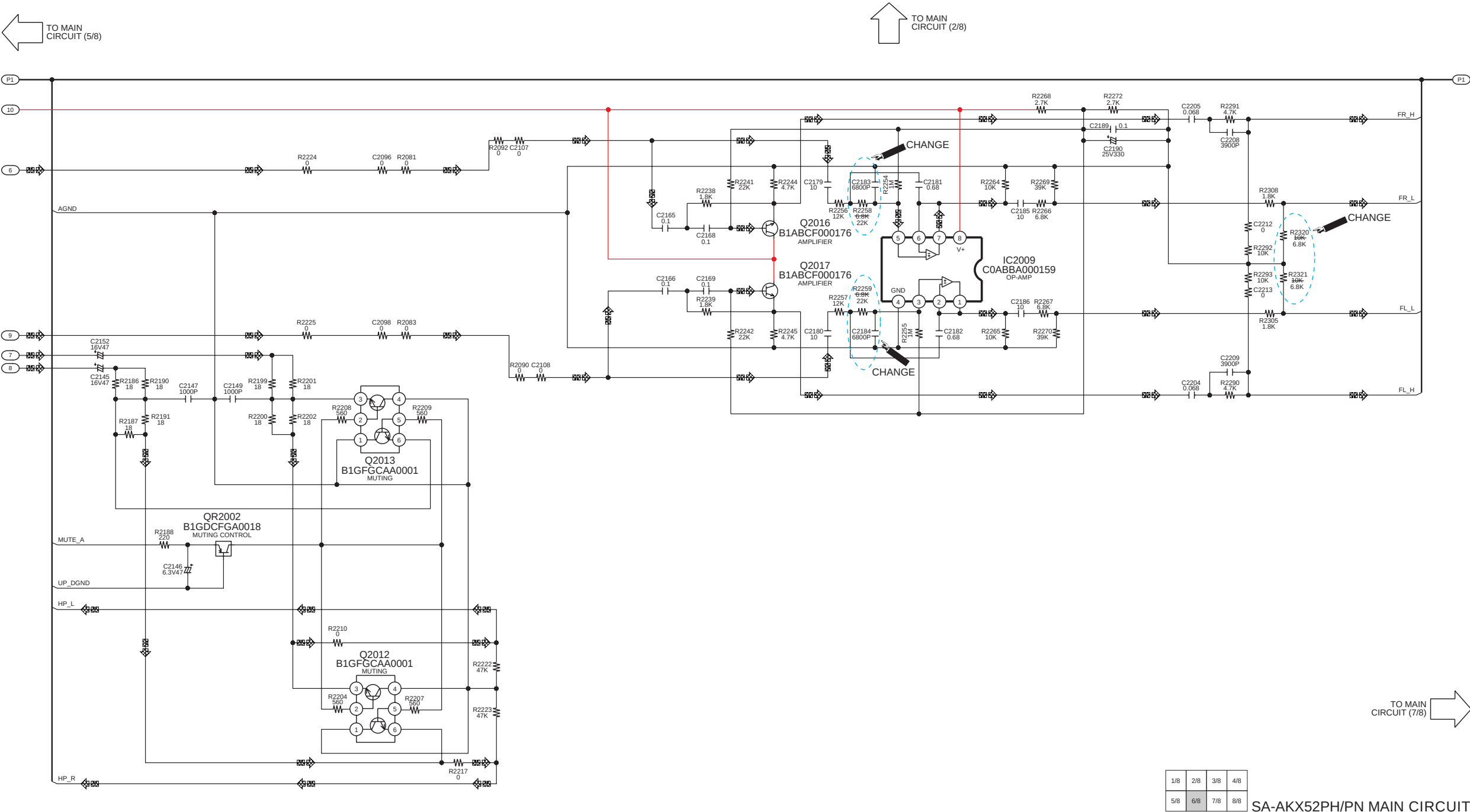
TO MAIN  
CIRCUIT (6/8)



SA-AKX52PH/PN MAIN CIRCUIT

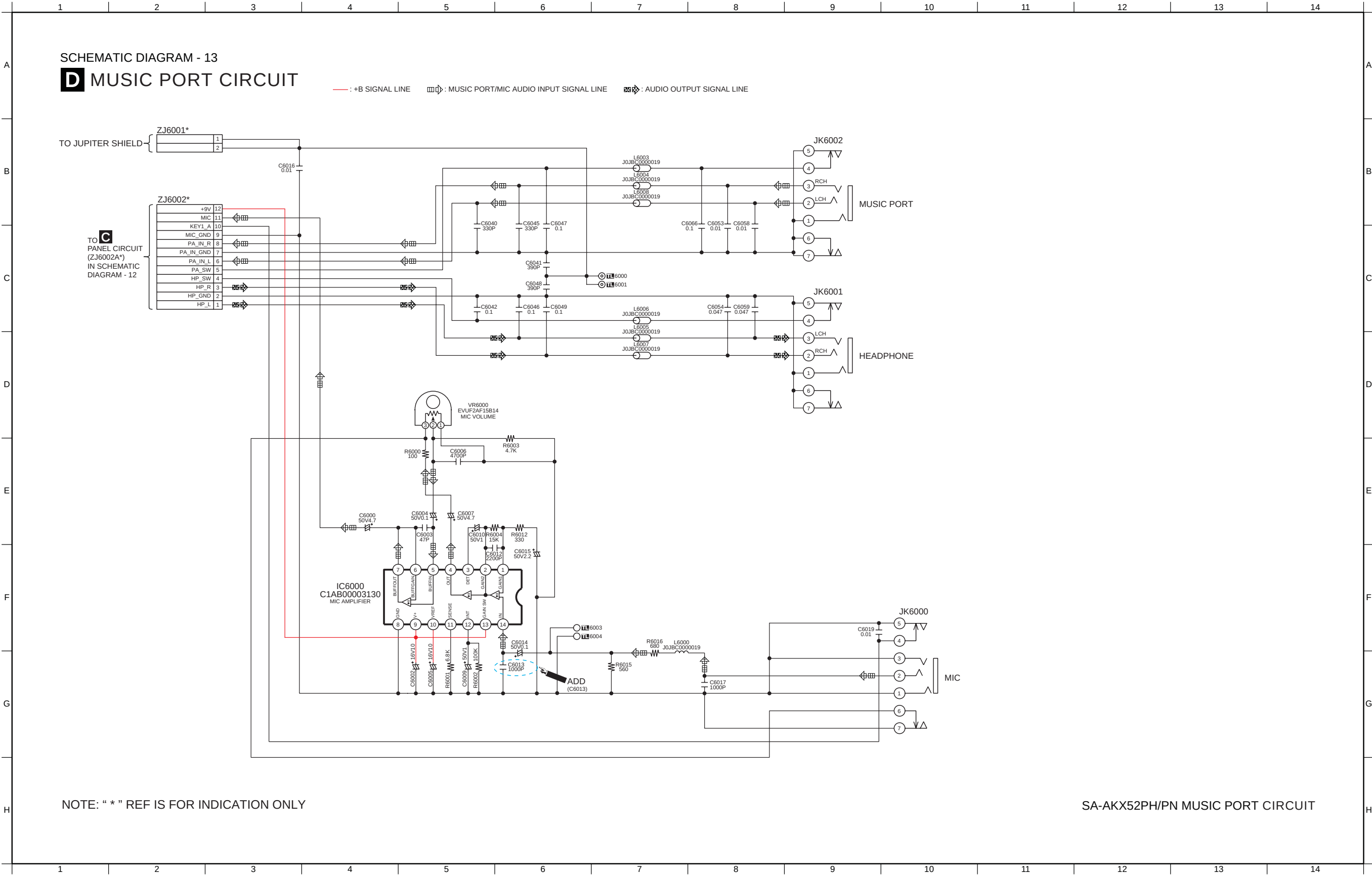
SCHEMATIC DIAGRAM - 8  
**B** MAIN CIRCUIT

— : +B SIGNAL LINE    — : -B SIGNAL LINE    : CD/DVD AUDIO INPUT SIGNAL LINE    : AUX/MIC/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE    : AUDIO OUTPUT SIGNAL LINE



2.8. Music Port Circuit (SA-AKX52PH/PN-K)

With reference to original service manual (section 17.5) on page 105.

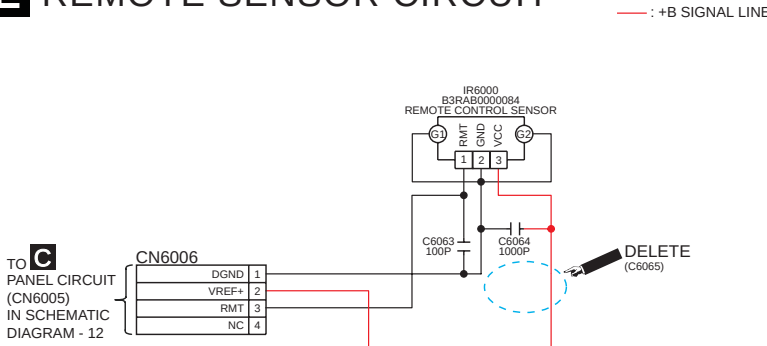


## 2.9. Remote Sensor, USB, Tuner & Voltage Selector Circuit (SA-AKX52PH/PN-K)

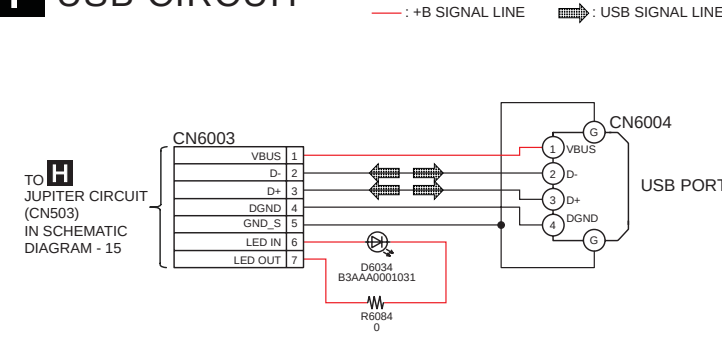
With reference to original service manual (section 17.6) on page 106.

SCHEMATIC DIAGRAM - 14

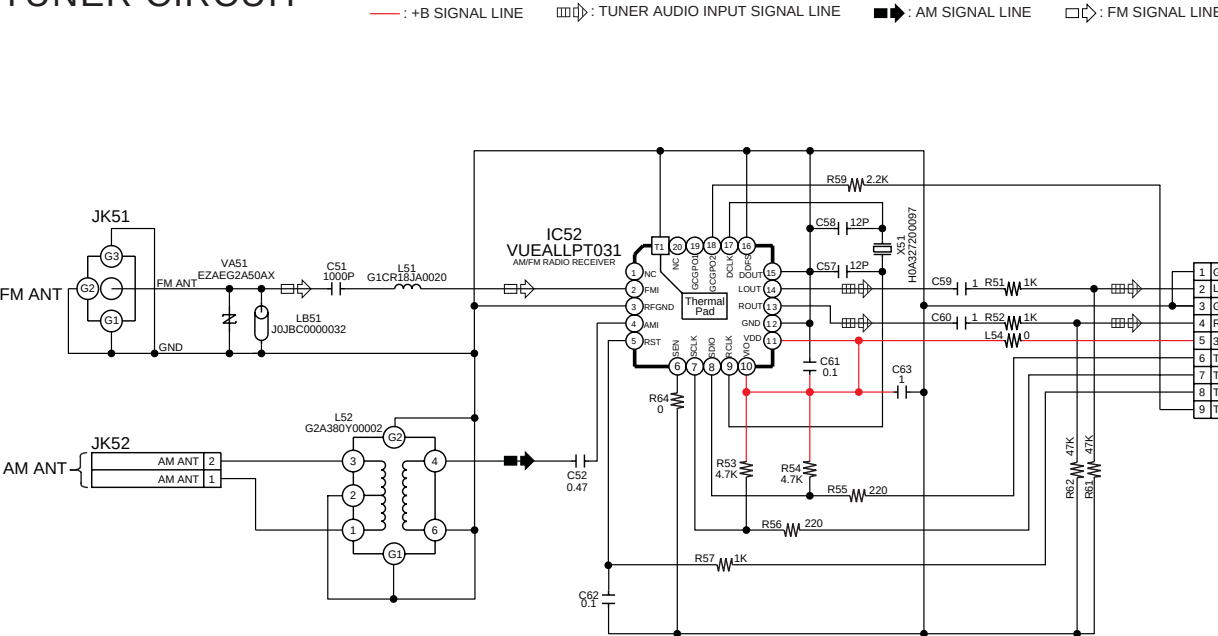
### E REMOTE SENSOR CIRCUIT



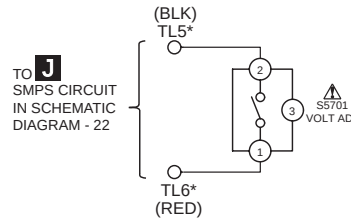
### F USB CIRCUIT



### G TUNER CIRCUIT



### K VOLTAGE SELECTOR CIRCUIT (FOR PH)



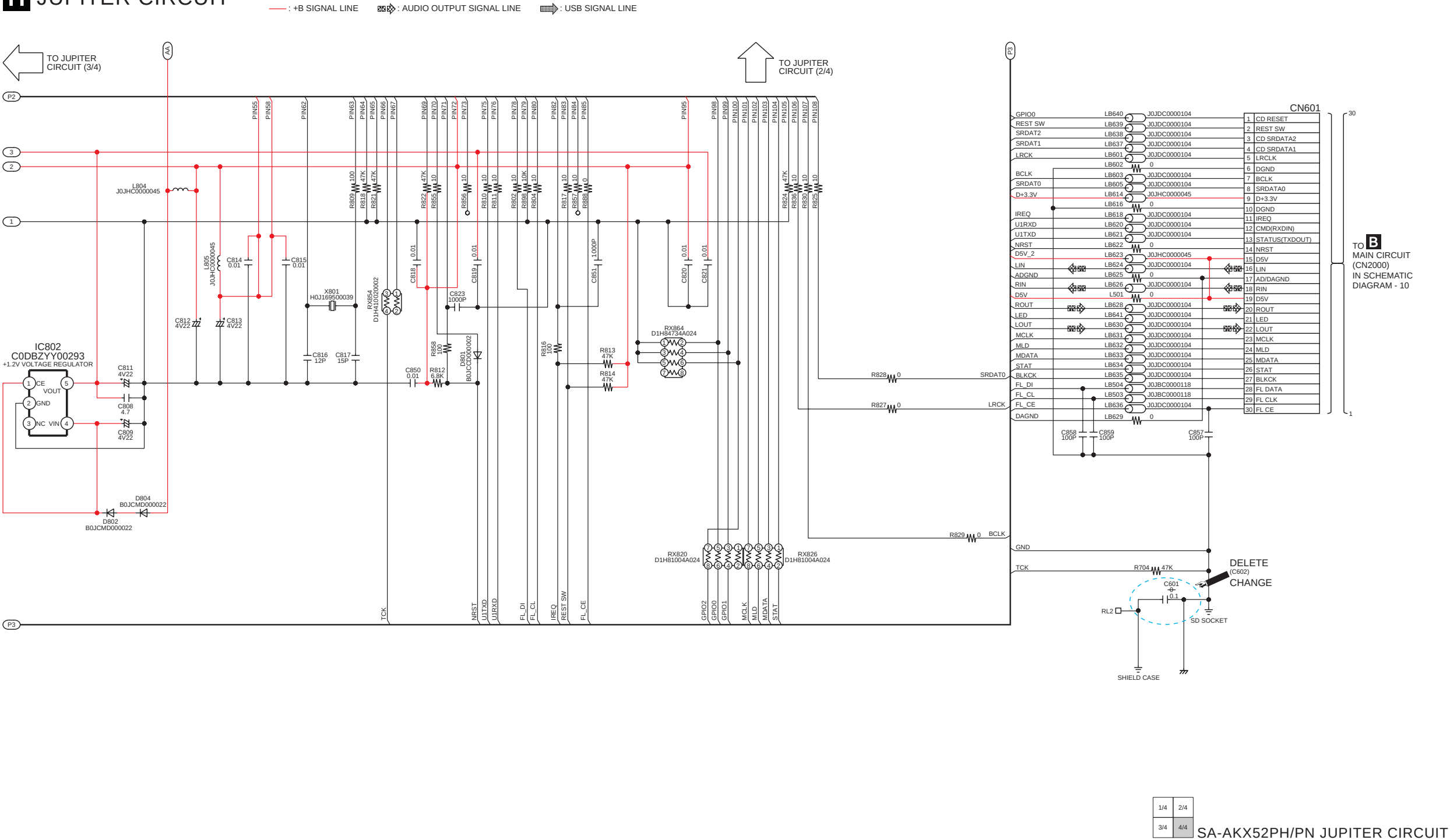
NOTE: " \* " REF IS FOR INDICATION ONLY

SA-AKX52PH/PN REMOTE SENSOR / USB / TUNER / VOLTAGE SELECTOR CIRCUIT

2.10. Jupiter Circuit (SA-AKX52PH/PN-K)

With reference to original service manual (section 17.7) on page 110.

SCHEMATIC DIAGRAM - 18  
**H** JUPITER CIRCUIT



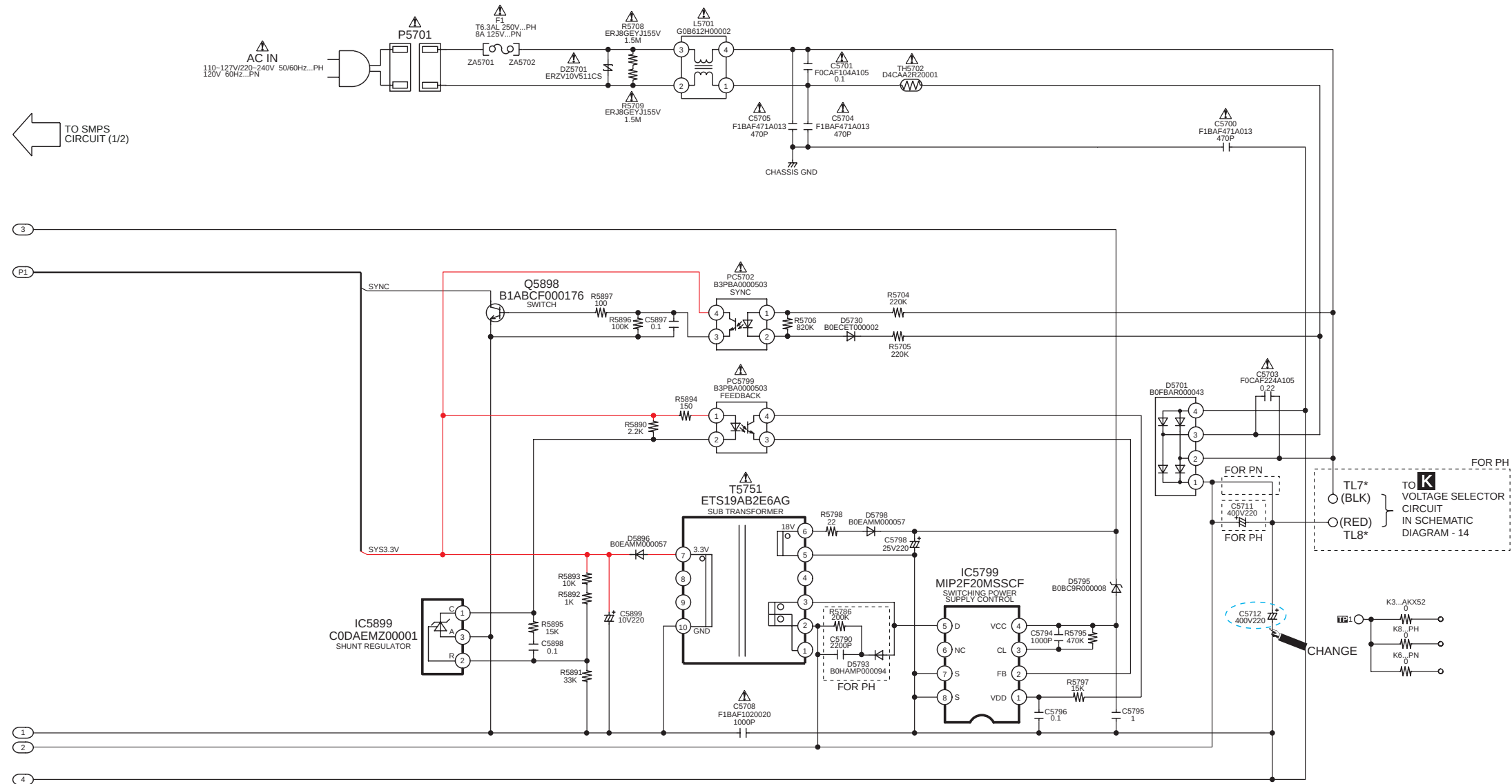
With reference to original service manual (section 17.9) on page 113 & 114.



SCHEMATIC DIAGRAM - 22

**J** SMPS CIRCUIT

— : +B SIGNAL LINE — : -B SIGNAL LINE



NOTE: " \* " REF IS FOR INDICATION ONLY

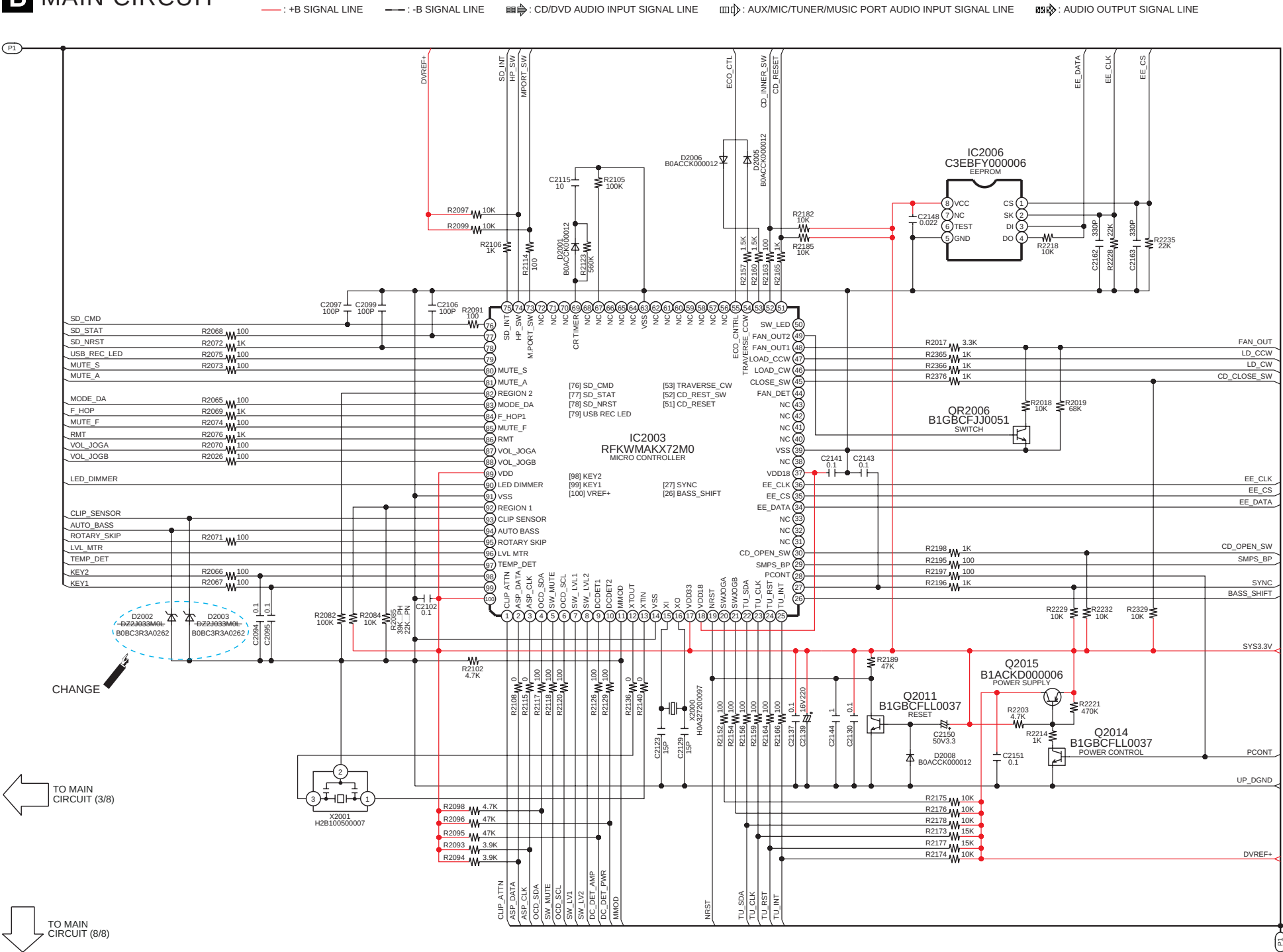
1/2 2/2 SA-AKX52PH/PN SMPS CIRCUIT

2.12. Main Circuit (SA-AKX72PH/PN-K)

With reference to original service manual (section 17.7) on page 102, 103 & 104.

SCHEMATIC DIAGRAM - 6

**B** MAIN CIRCUIT



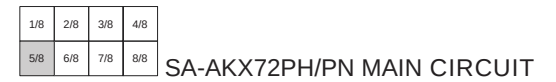
|     |     |     |     |
|-----|-----|-----|-----|
| 1/8 | 2/8 | 3/8 | 4/8 |
| 5/8 | 6/8 | 7/8 | 8/8 |

SA-AKX72PH/PN MAIN CIRCUIT

## B MAIN CIRCUIT

↑ TO MAIN  
CIRCUIT (1/8)

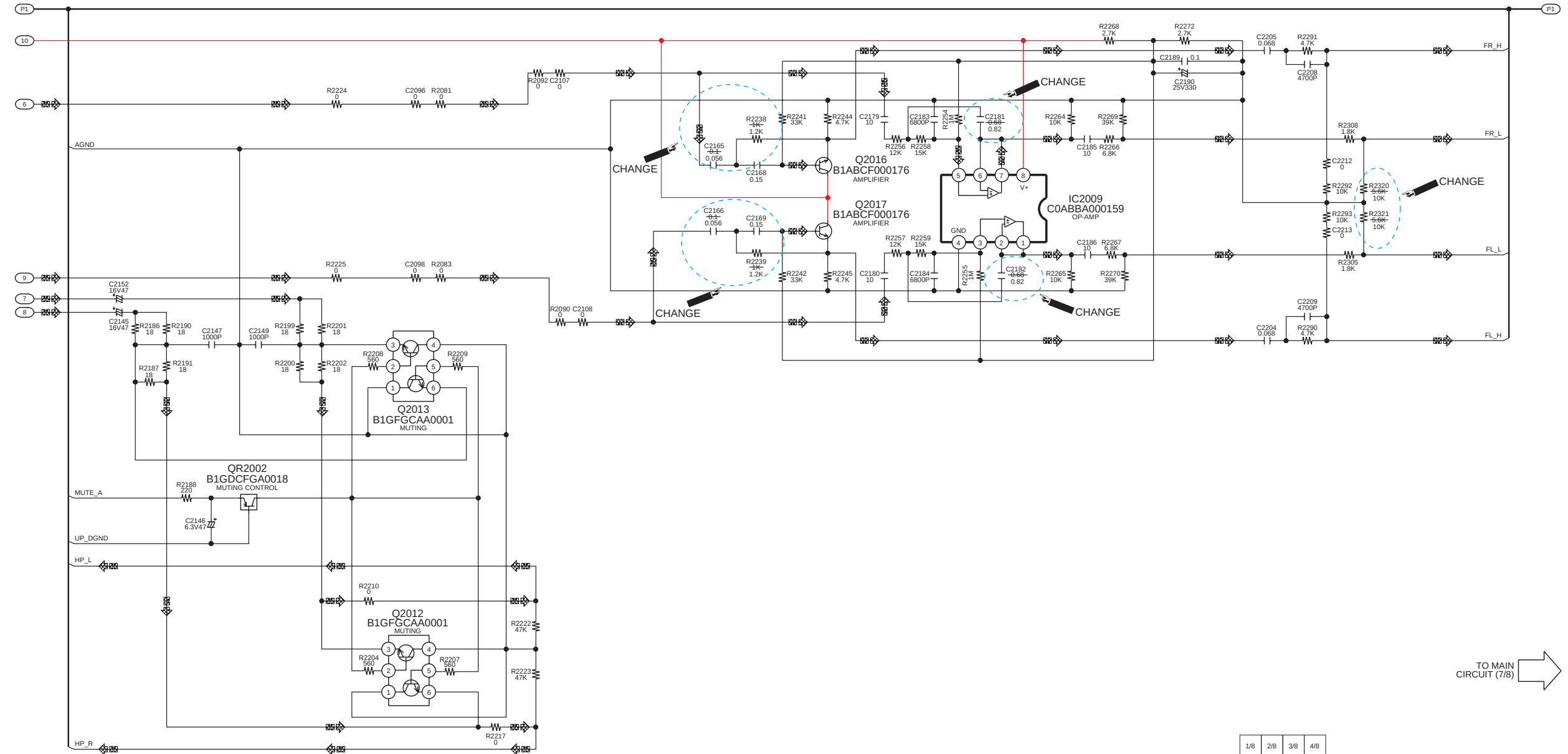
TO MAIN  
CIRCUIT (6/8) 



## B MAIN CIRCUIT

TO MAIN  
CIRCUIT (5/8)

↑ TO MAIN  
CIRCUIT (2/8)



TO MAIN  
CIRCUIT (7/8) 

|     |     |     |     |
|-----|-----|-----|-----|
| 1/8 | 2/8 | 3/8 | 4/8 |
| 5/8 | 6/8 | 7/8 | 8/8 |

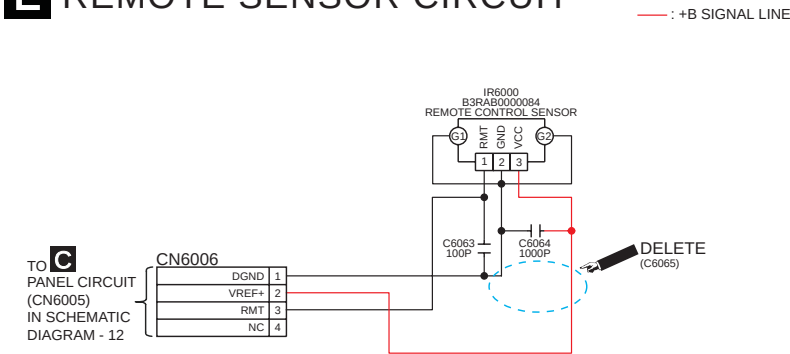
SA-AKX72PH/PN MAIN CIRCUIT

2.13. Remote Sensor, USB, Tuner & Voltage Selector Circuit (SA-AKX72PH/PN-K)

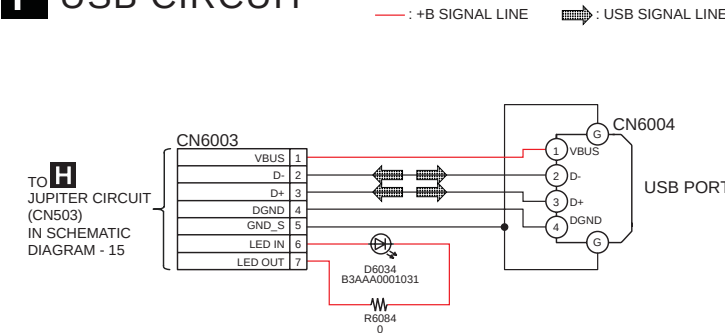
With reference to original service manual (section 17.6) on page 110.

SCHEMATIC DIAGRAM - 14

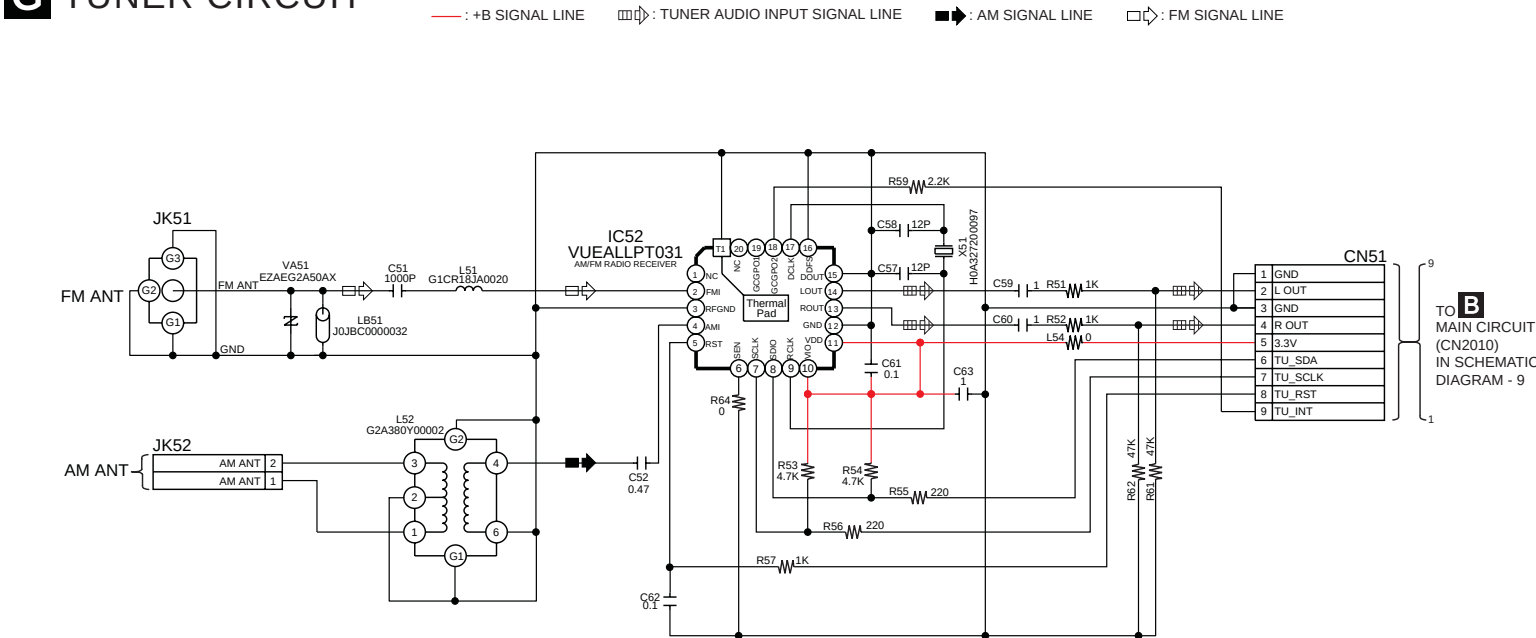
E REMOTE SENSOR CIRCUIT



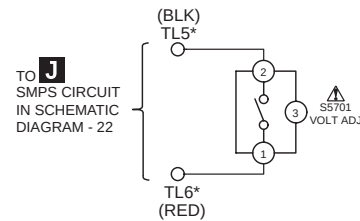
F USB CIRCUIT



G TUNER CIRCUIT



K VOLTAGE SELECTOR CIRCUIT (FOR PH)



NOTE: " \* " REF IS FOR INDICATION ONLY

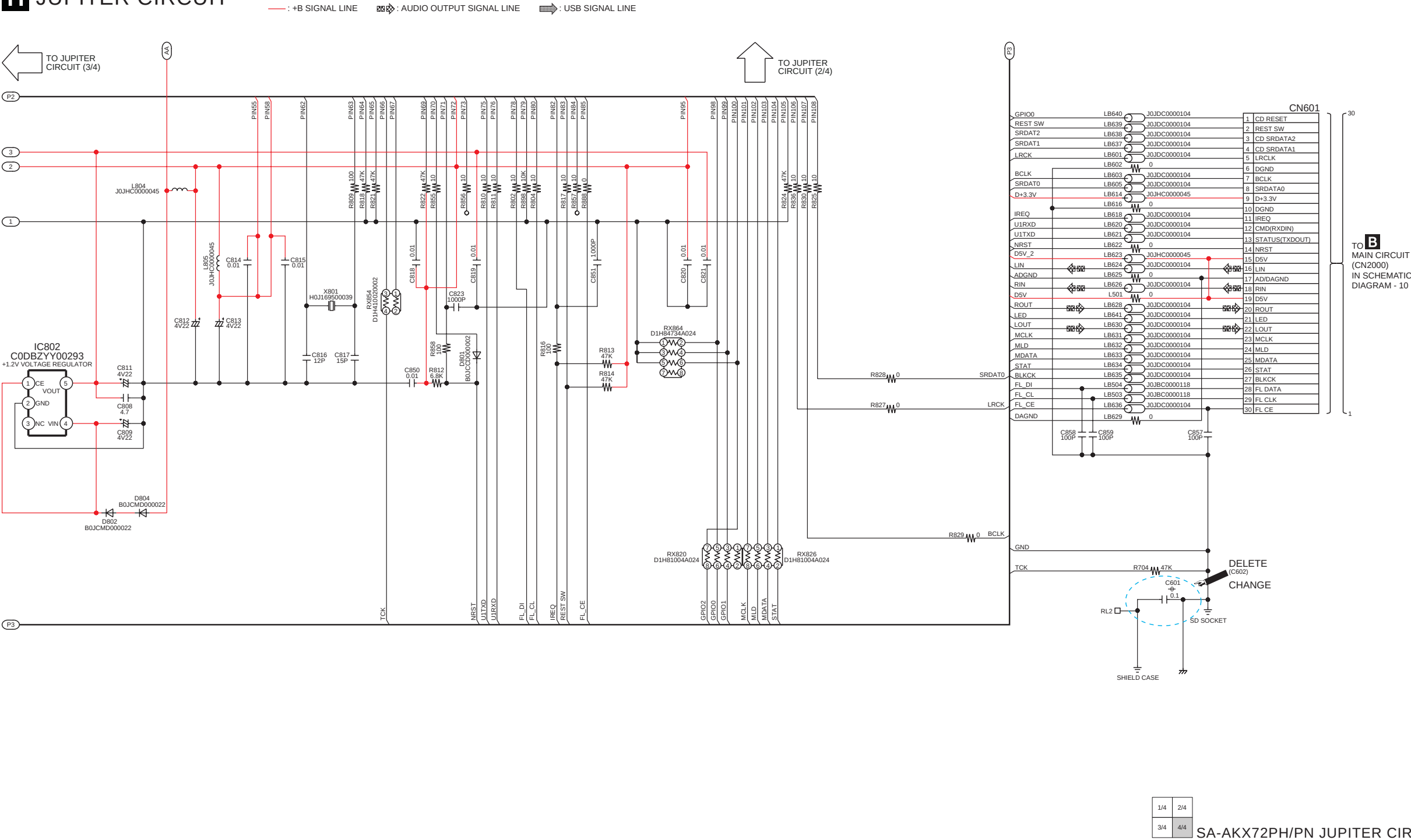
SA-AKX72PH/PN REMOTE SENSOR / USB / TUNER / VOLTAGE SELECTOR CIRCUIT

2.14. Jupiter Circuit (SA-AKX72PH/PN-K)

With reference to original service manual (section 17.7) on page 114.

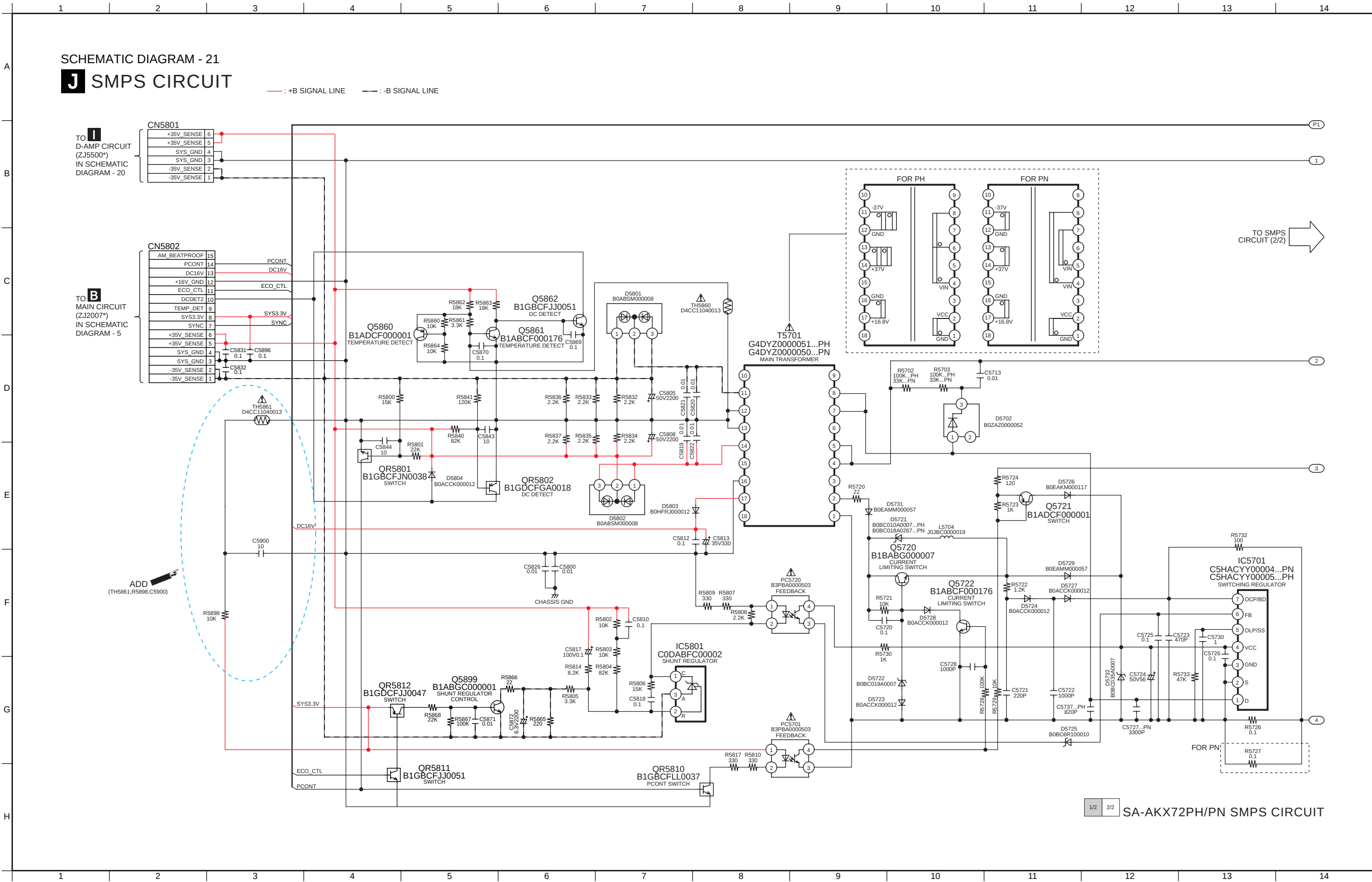
SCHEMATIC DIAGRAM - 18

JUPITER CIRCUIT



2.15. SMPS Circuit (SA-AKX72PH/PN-K)

With reference to original service manual (section 17.9) on page 117.

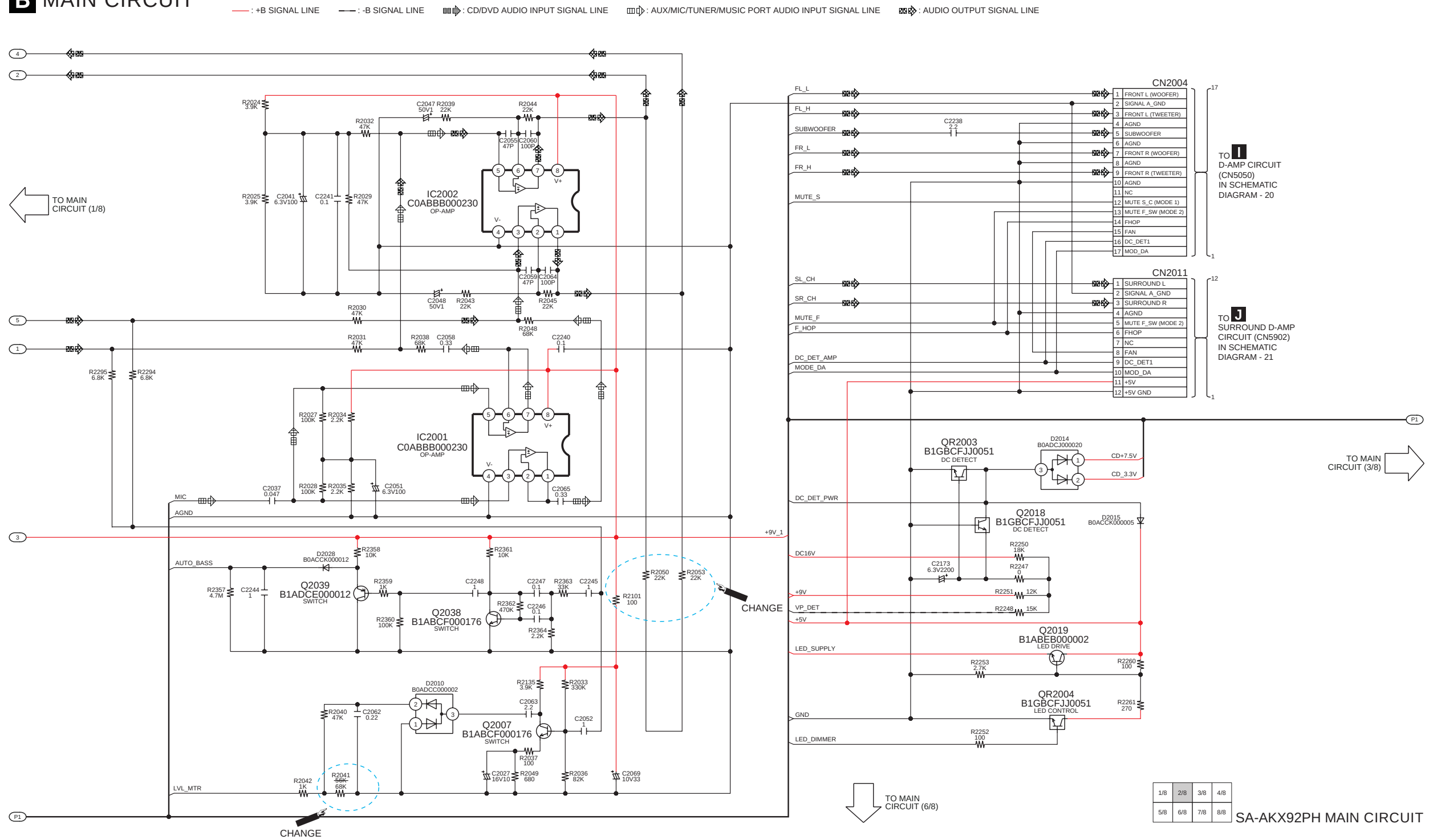


With reference to original service manual (section 17.3) on page 107, 108, 100, 111, 112 & 113.



SCHEMATIC DIAGRAM - 4

## B MAIN CIRCUIT



## B MAIN CIRCUIT

|     |     |     |     |
|-----|-----|-----|-----|
| 1/8 | 2/8 | 3/8 | 4/8 |
| 5/8 | 6/8 | 7/8 | 8/8 |

SA-AKX92PH MAIN CIRCUIT

## B MAIN CIRCUIT

↑ TO MAIN  
CIRCUIT (1/8)

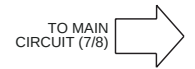
TO MAIN  
CIRCUIT (6/8)



## B MAIN CIRCUIT

TO MAIN  
CIRCUIT (5/8)

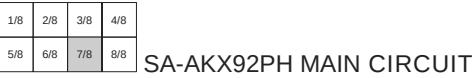
↑ TO MAIN  
CIRCUIT (2/8)



|     |     |     |     |
|-----|-----|-----|-----|
| 1/8 | 2/8 | 3/8 | 4/8 |
| 5/8 | 6/8 | 7/8 | 8/8 |

SA-AKX92PH MAIN CIRCUIT

## B MAIN CIRCUIT

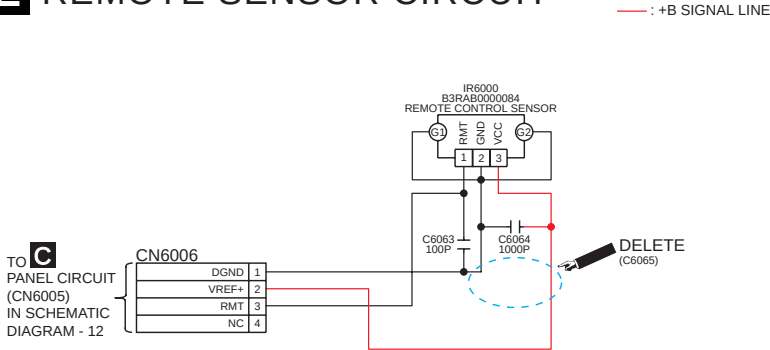


# 2.17. Remote Sensor, USB, Tuner & Voltage Selector Circuit (SA-AKX92PH-K)

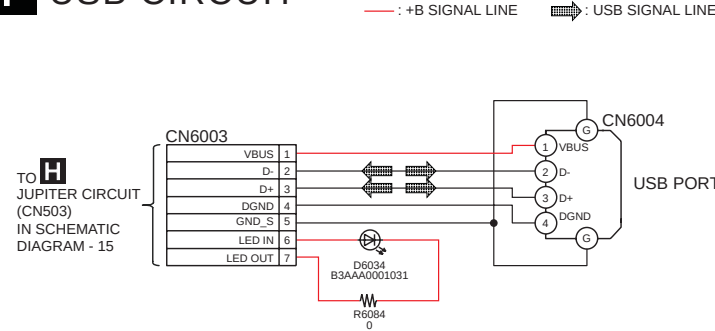
With reference to original service manual (section 17.6) on page 118.

SCHEMATIC DIAGRAM - 14

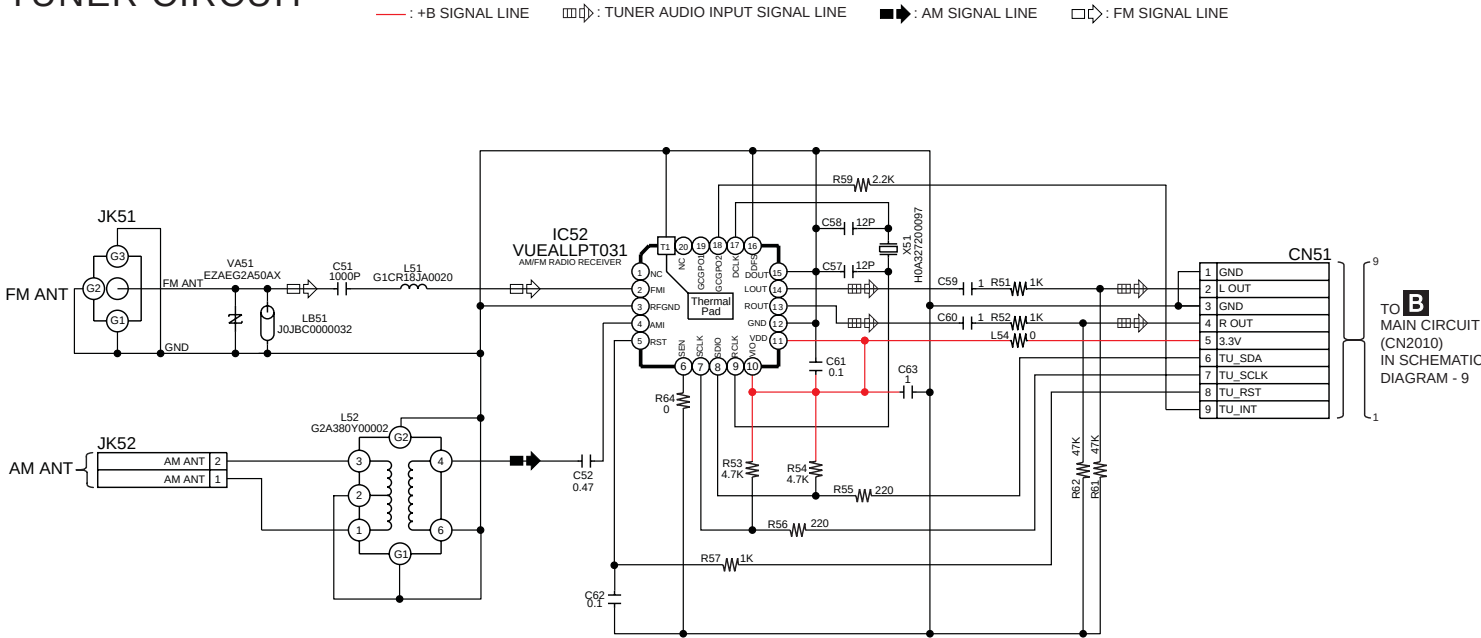
## E REMOTE SENSOR CIRCUIT



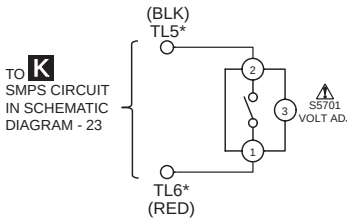
## F USB CIRCUIT



## G TUNER CIRCUIT



## L VOLTAGE SELECTOR CIRCUIT



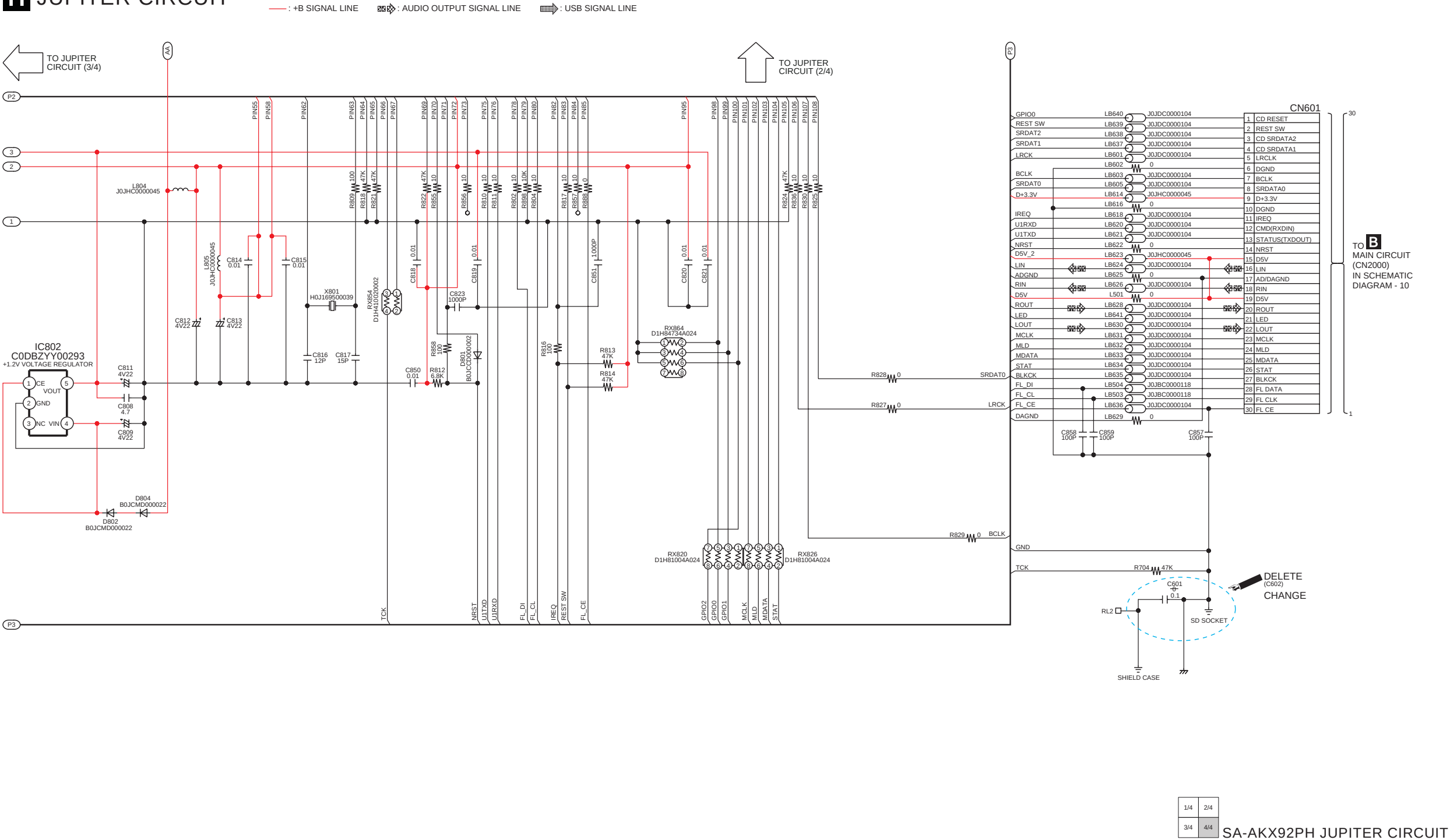
NOTE: " \* " REF IS FOR INDICATION ONLY

SA-AKX92PH REMOTE SENSOR / USB / TUNER / VOLTAGE SELECTOR CIRCUIT

2.18. Jupiter Circuit (SA-AKX92PH-K)

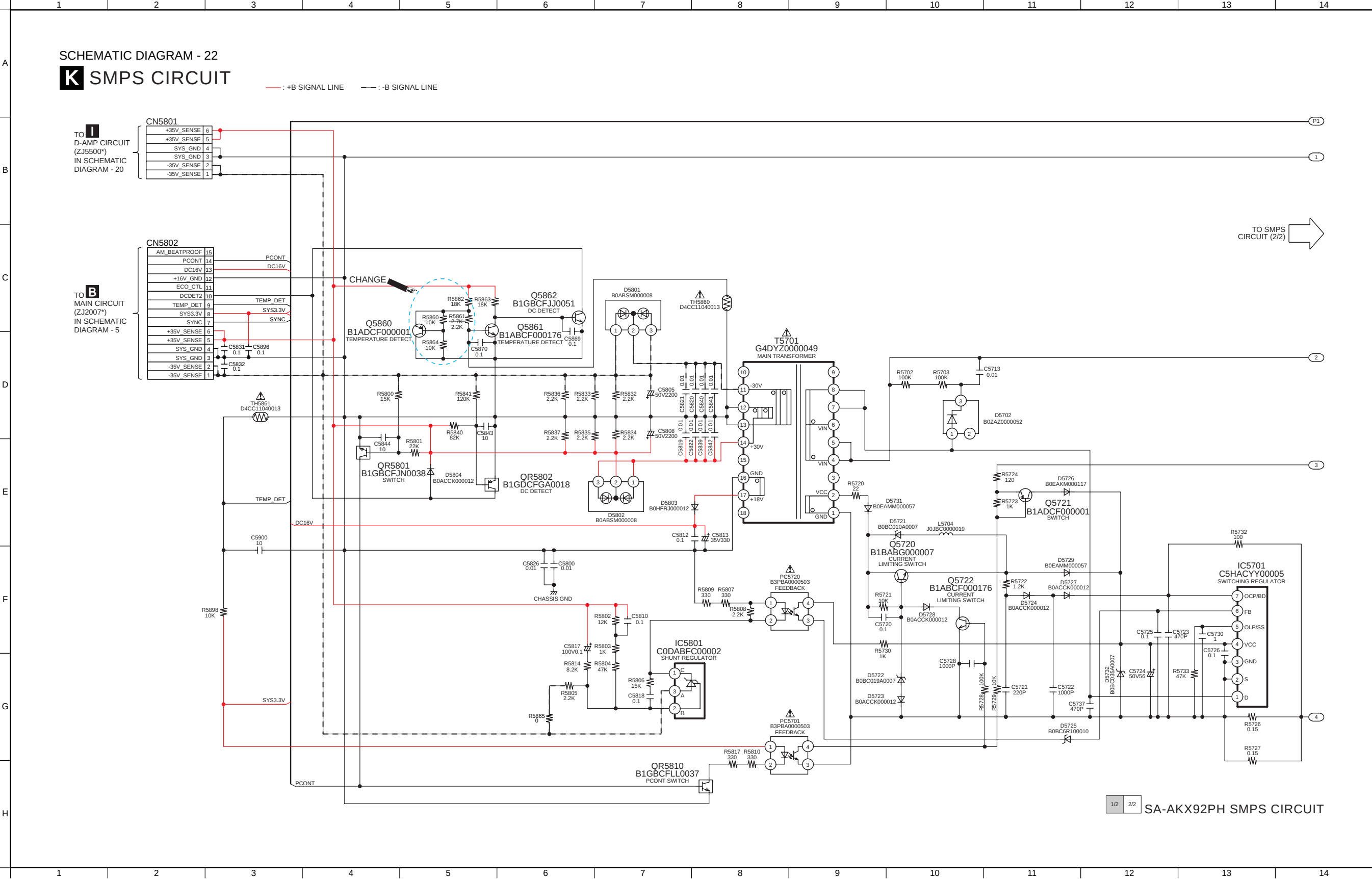
With reference to original service manual (section 17.7) on page 122.

SCHEMATIC DIAGRAM - 18  
**H** JUPITER CIRCUIT



2.19. SMPS Circuit (SA-AKX92PH-K)

With reference to original service manual (section 17.10) on page 126.



### 3.1. Music Port, USB, Remote Sensor & Tuner P.C.B. (SA-AKX32PH/PN/PR-K)

H  
G  
F  
E  
D  
C  
B  
A

**D** MUSIC PORT P.C.B. (REPX0887KB...PH/PR)  
(REPX0887HB...PN)

Diagram of the Music Port P.C.B. showing components like JK6002, JK6001, ZJ6001, ZJ6002, and various capacitors and inductors. It also shows connections for MUSIC PORT and HEADPHONE.

**E** REMOTE SENSOR P.C.B. (REPX0887KD...PH/PR)  
(REPX0887HD...PN)

Diagram of the Remote Sensor P.C.B. showing components like CN6006, IR6000, and C6065. A blue arrow points to C6065 with the label "DELETE (C6065)".

NOTE: "\*" REF IS FOR INDICATION ONLY.

**F** USB P.C.B. (REPX0887KE...PH/PR)  
(REPX0887HE...PN)

Diagram of the USB P.C.B. showing components like CN6003, CN6004, and various capacitors and inductors. It also shows a connection for USB PORT.

**G** TUNER P.C.B. (REPX0928A)

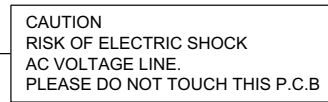
Diagram of the Tuner P.C.B. showing components like L54, C63, C59, R51, L51, C51, L51, C52, R55, R54, R53, L52, C61, R56, R57, VAS1, JK51, JK52, and various capacitors and inductors. It also shows connections for FM ANT and AM ANT.

SA-AKX32PH/PN/PR  
MUSIC PORT / REMOTE SENSOR / USB / TUNER P.C.B.

1 2 3 4 5 6 7 8 9 10 11 12 13

With reference to original service manual (section 18.7) on page 119.

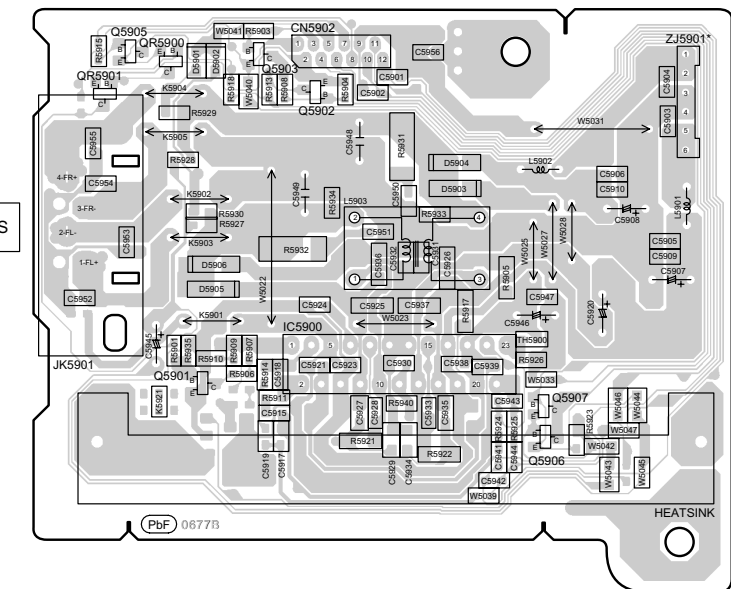
A vertical number line with tick marks labeled A, B, C, D, E, F, G, and H from bottom to top.



→ **ADD**  
(TH5861)

AC IN ~  
120V 60Hz

NOTE: " \* " REF IS FOR INDICATION ONLY.



TO SPEAKERS

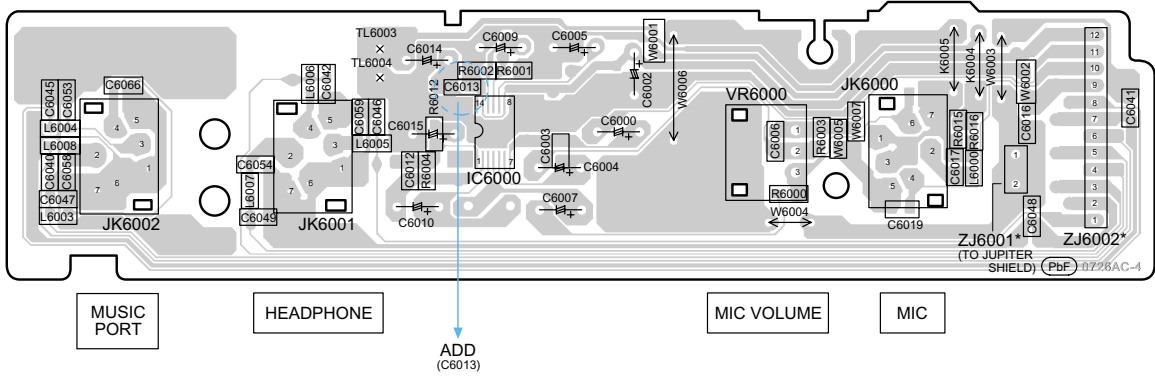
 0677B

SA-AKX32PH/PN/PR  
D-AMP / SMPS P.C.B.

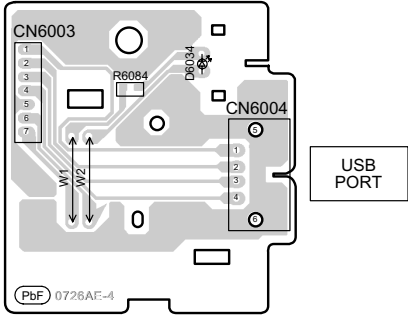
3.3. Music Port, Remote Sensor, USB & Tuner P.C.B. (SA-AKX52EB/EG/GN-K)

With reference to original service manual (section 18.4) on page 116.

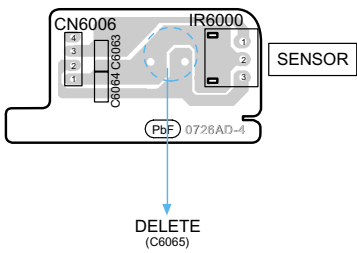
**D** MUSIC PORT P.C.B. (REPX0887EB...EB/EG)  
(REPX0887GB...GN)



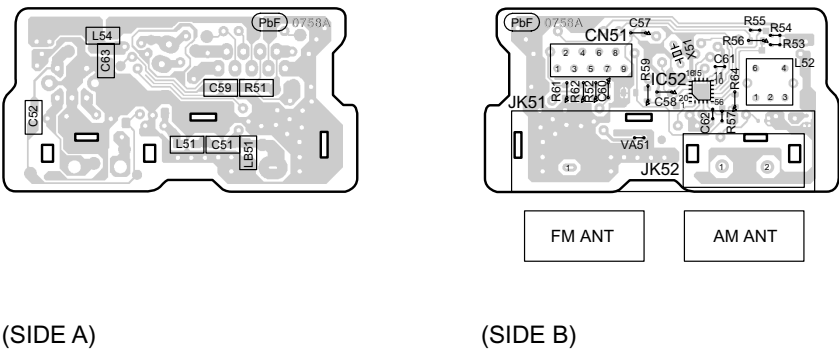
**F** USB P.C.B. (REPX0887EE...EB/EG)  
(REPX0887GE...GN)



**E** REMOTE SENSOR P.C.B. (REPX0887ED...EB/EG)  
(REPX0887GD...GN)



**G** TUNER P.C.B. (REPX0928B...EB/EG)  
(REPX0928A...GN)



NOTE: " \* " REF IS FOR INDICATION ONLY.

SA-AKX52EB/EG/GN  
MUSIC PORT / REMOTE SENSOR / USB / TUNER P.C.B.

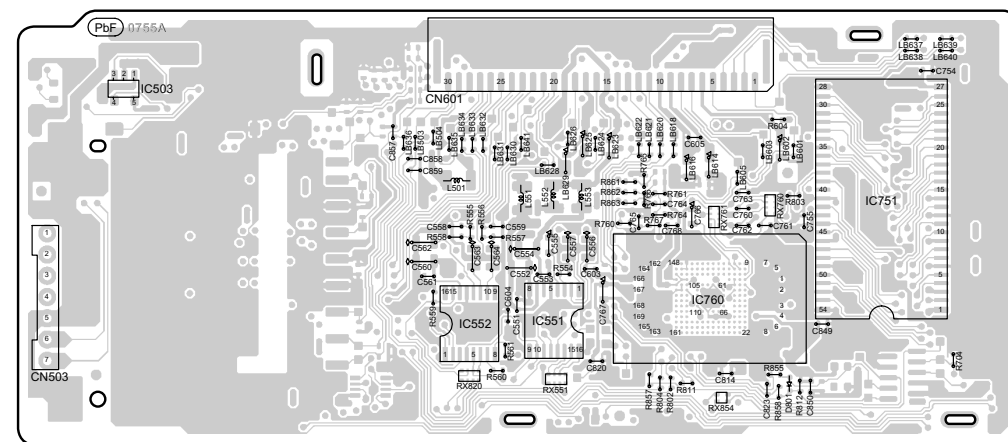
With reference to original service manual (section 18.5) on page 117.

With reference to original service manual (section 18.5) on page 117.

**H** JUPITER P.C.B. (RFKBX0922C)



(SIDE A)



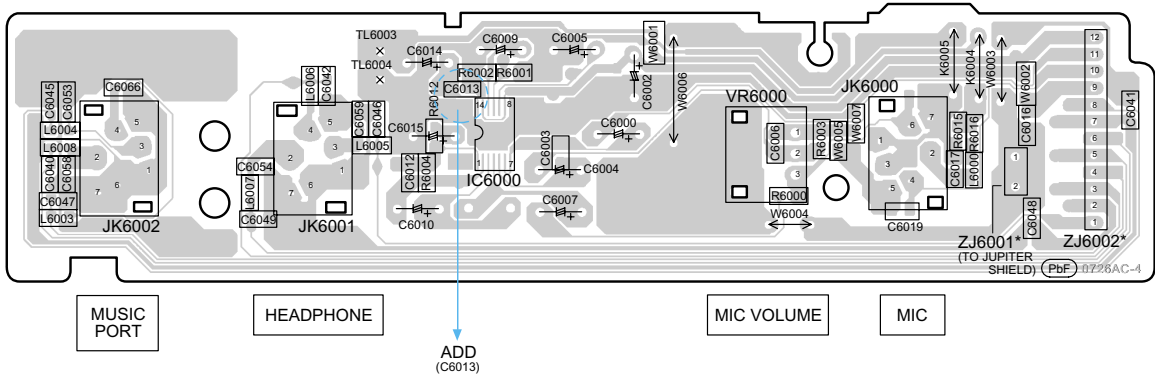
(SIDE B)

SA-AKX52EB/EG/GN  
JUPITER P.C.B.

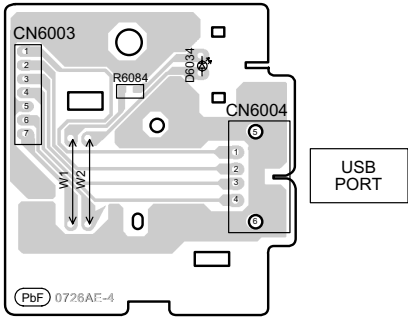
3.5. Music Port, Remote Sensor, USB & Tuner P.C.B. (SA-AKX52PH/PN-K)

With reference to original service manual (section 18.4) on page 118.

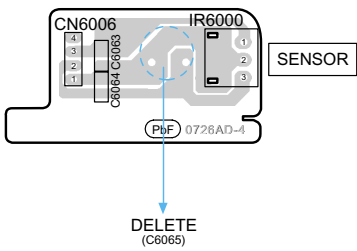
**D** MUSIC PORT P.C.B. (REPX0887FB...PH)  
(REPX0887DB...PN)



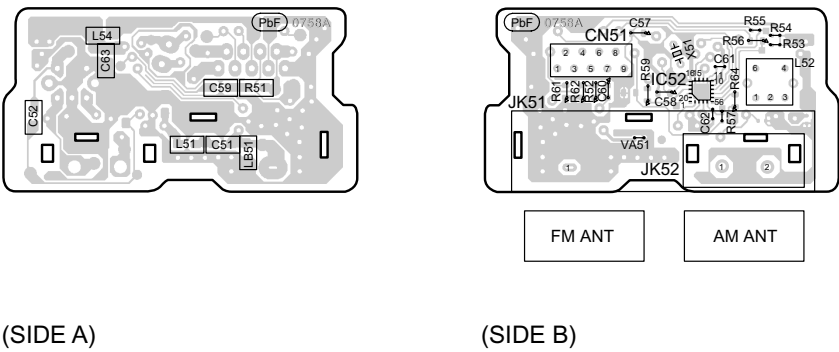
**F** USB P.C.B. (REPX0887FE...PH)  
(REPX0887DE...PN)



**E** REMOTE SENSOR P.C.B. (REPX0887FD...PH)  
(REPX0887DD...PN)



**G** TUNER P.C.B. (REPX0928A)



NOTE: " \* " REF IS FOR INDICATION ONLY.

SA-AKX52PH/PN  
MUSIC PORT / REMOTE SENSOR / USB / TUNER P.C.B.

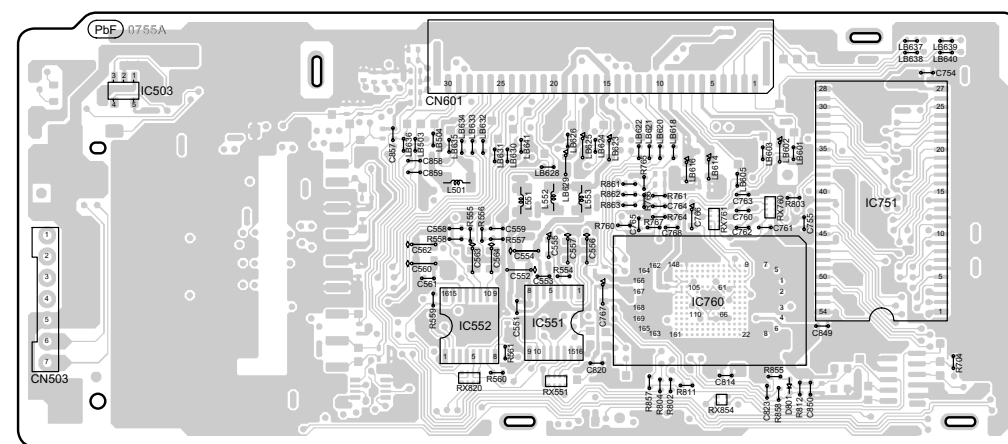
With reference to original service manual (section 18.5) on page 119.

With reference to original service manual (section 18.5) on page 119.

**H** JUPITER P.C.B. (RFKBX0922B)



(SIDE A)



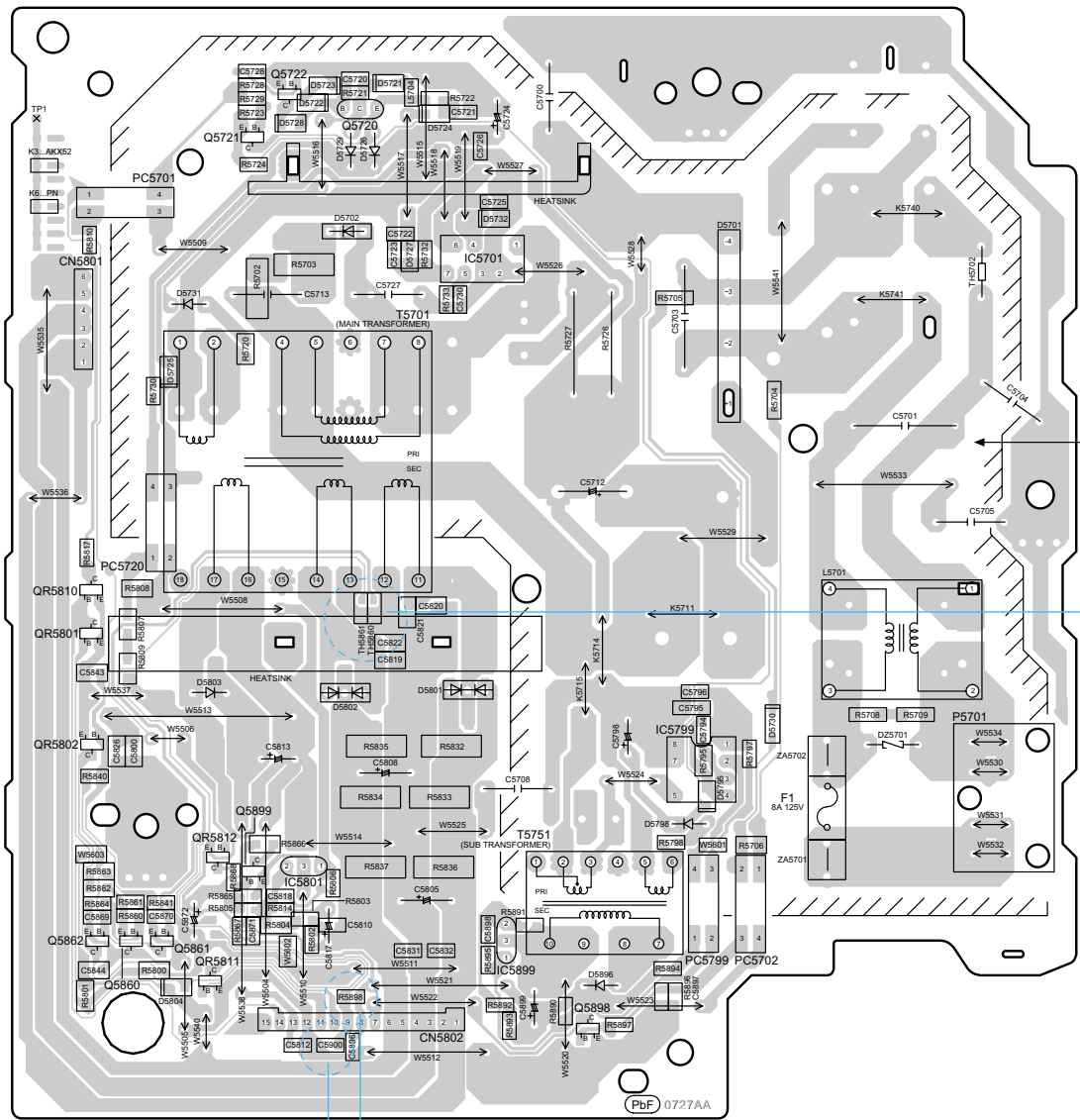
(SIDE B)

SA-AKX52PH/PN  
JUPITER P.C.B.

3.7. SMPS P.C.B. (SA-AKX52PH/PN-K)

With reference to original service manual (section 18.7) on page 122.

J SMPS P.C.B. (REPX0886D...PN)



CAUTION  
RISK OF ELECTRIC SHOCK  
AC VOLTAGE LINE.  
PLEASE DO NOT TOUCH THIS P.C.B.

ADD  
(TH5861)

AC IN ~  
120V 60Hz

ADD  
(R5898)  
ADD  
(C5900)

NOTE: " " REF IS FOR INDICATION ONLY.

SA-AKX52PH/PN  
SMPS P.C.B.

With reference to original service manual (section 18.2) on page 120.

**B** MAIN P.C.B. (REPX0887CA...PH)  
(REPX0887BA...PN)

AUX IN

ADD (C2192)

ADD (R2050)

ADD (R2053)

ADD (C2193)

ADD (R2101)

ADD (R2246)

NOTE: " \* " REF IS FOR INDICATION ONLY.

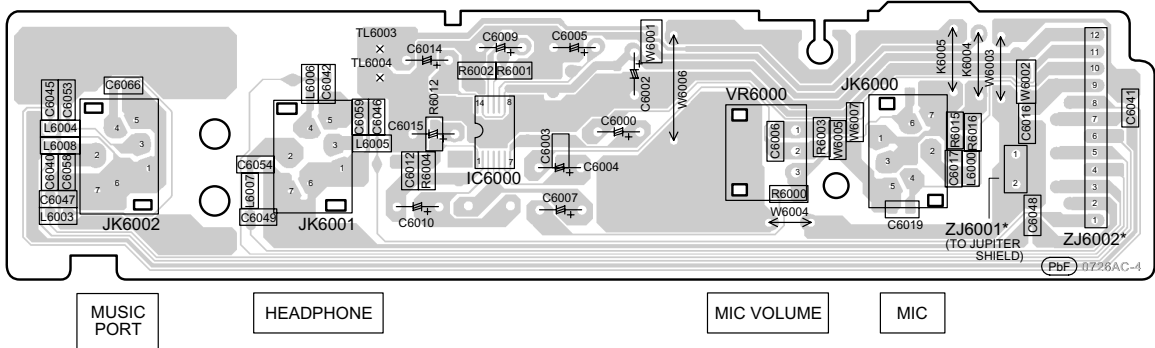
SA-AKX72PH/PN  
MAIN P.C.B.

SA-AKX72PH/PN  
MAIN P.C.B.

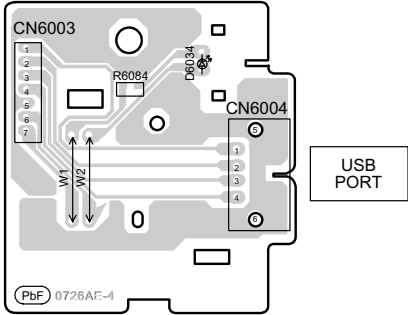
3.9. Music Port, USB, Remote Sensor & Tuner P.C.B. (SA-AKX72PH/PN-K)

With reference to original service manual (section 18.4) on page 122.

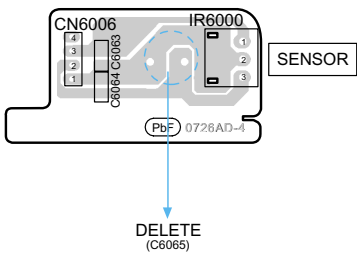
**D** MUSIC PORT P.C.B. (REPX0887CB...PH)  
(REPX0887BB...PN)



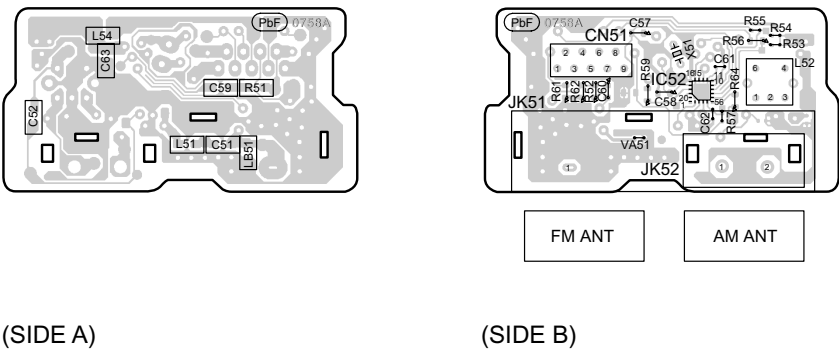
**F** USB P.C.B. (REPX0887CE...PH)  
(REPX0887BE...PN)



**E** REMOTE SENSOR P.C.B. (REPX0887CD...PH)  
(REPX0887BD...PN)



**G** TUNER P.C.B. (REPX0928A)



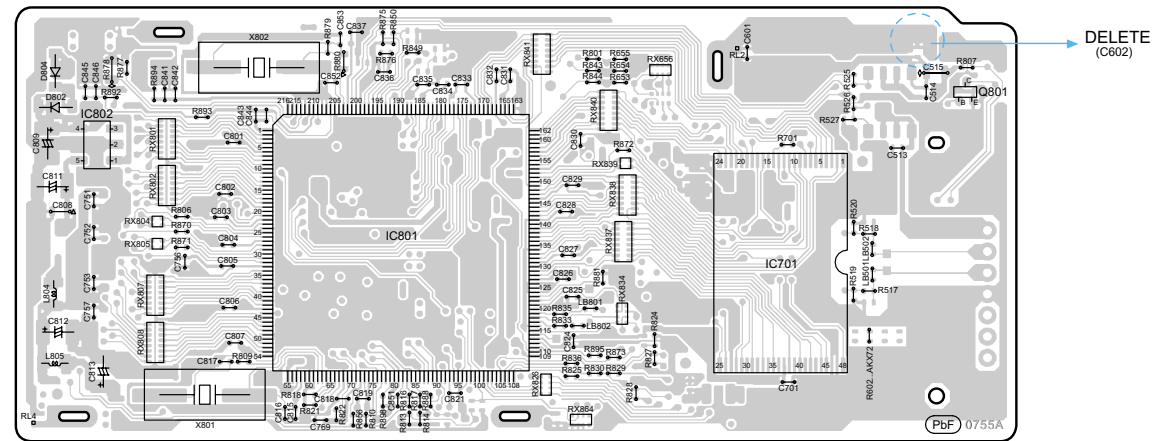
NOTE: " \* " REF IS FOR INDICATION ONLY.

SA-AKX72PH/PN  
MUSIC PORT / REMOTE SENSOR / USB / TUNER P.C.B.

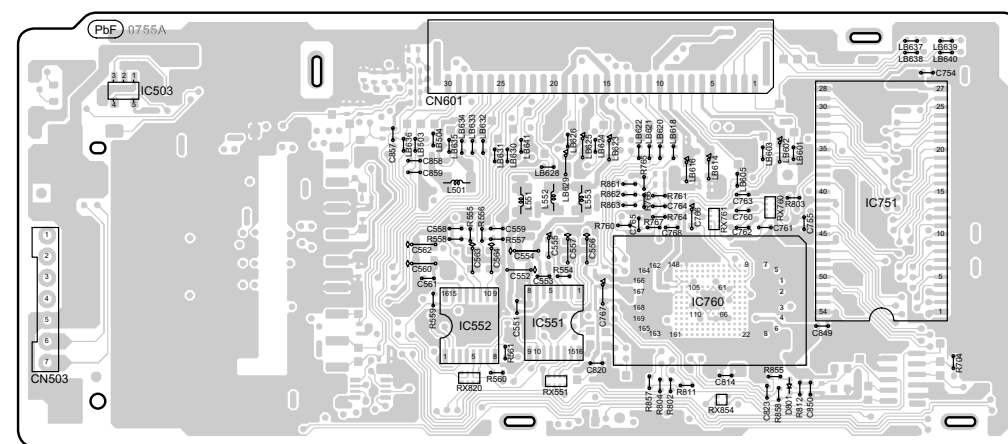
With reference to original service manual (section 18.5) on page 123.

With reference to original service manual (section 18.5) on page 123.

**H** JUPITER P.C.B. (RFKBX0922B)



(SIDE A)



(SIDE B)

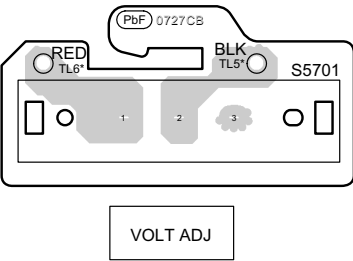
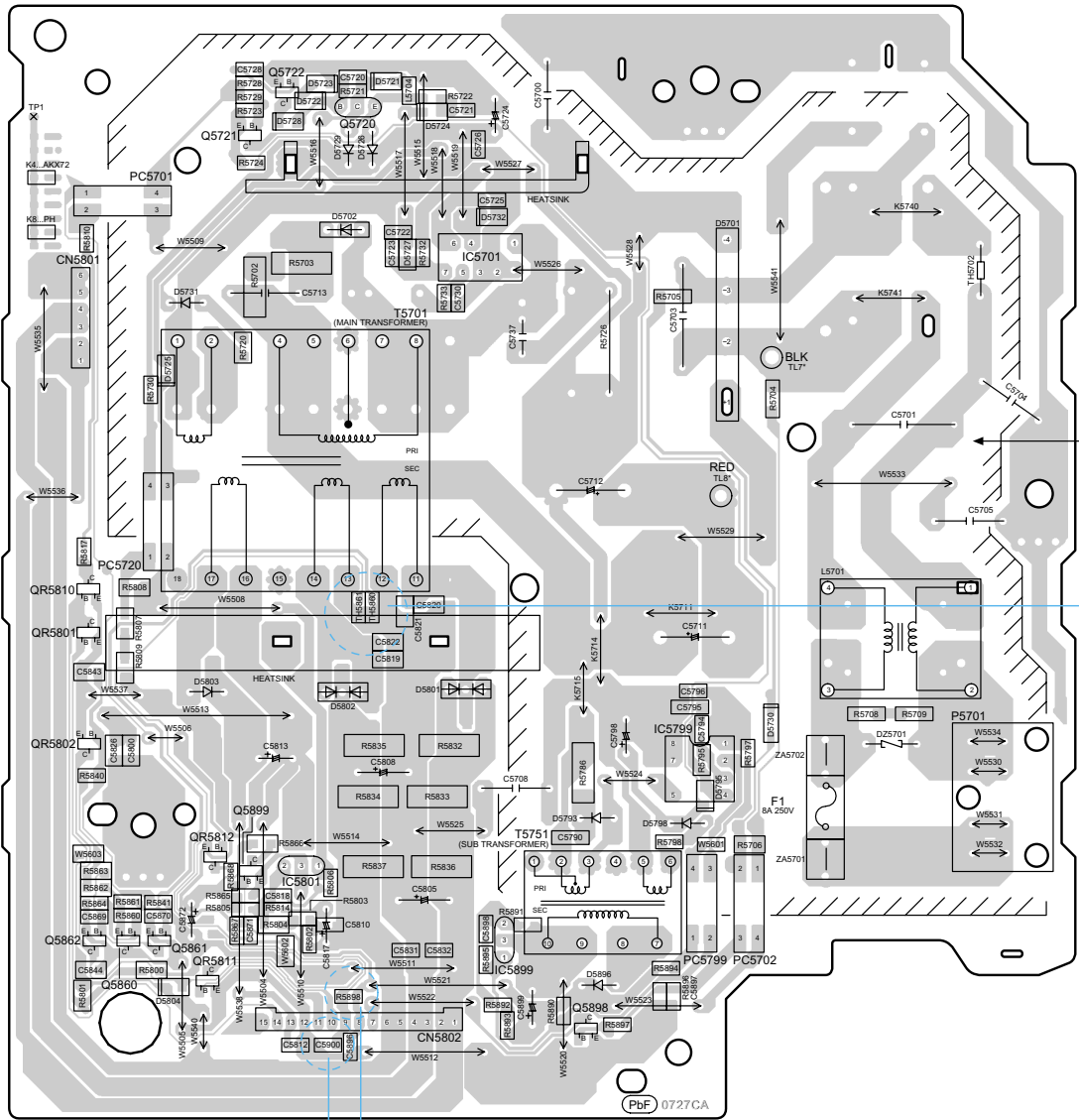
SA-AKX72PH/PN  
JUPITER P.C.B.

3.11. SMPS & Voltage Selector P.C.B. (SA-AKX72PH-K only)

With reference to original service manual (section 18.7) on page 125.

**J** SMPS P.C.B. (REPX0886J...PH)

**K** VOLTAGE SELECTOR P.C.B. (REPX0886J...PH)



CAUTION  
RISK OF ELECTRIC SHOCK  
AC VOLTAGE LINE.  
PLEASE DO NOT TOUCH THIS P.C.B.

ADD  
(TH5861)

AC IN ~  
110-127V/220-240V  
50/60Hz

ADD  
(R5898)  
ADD  
(C5900)

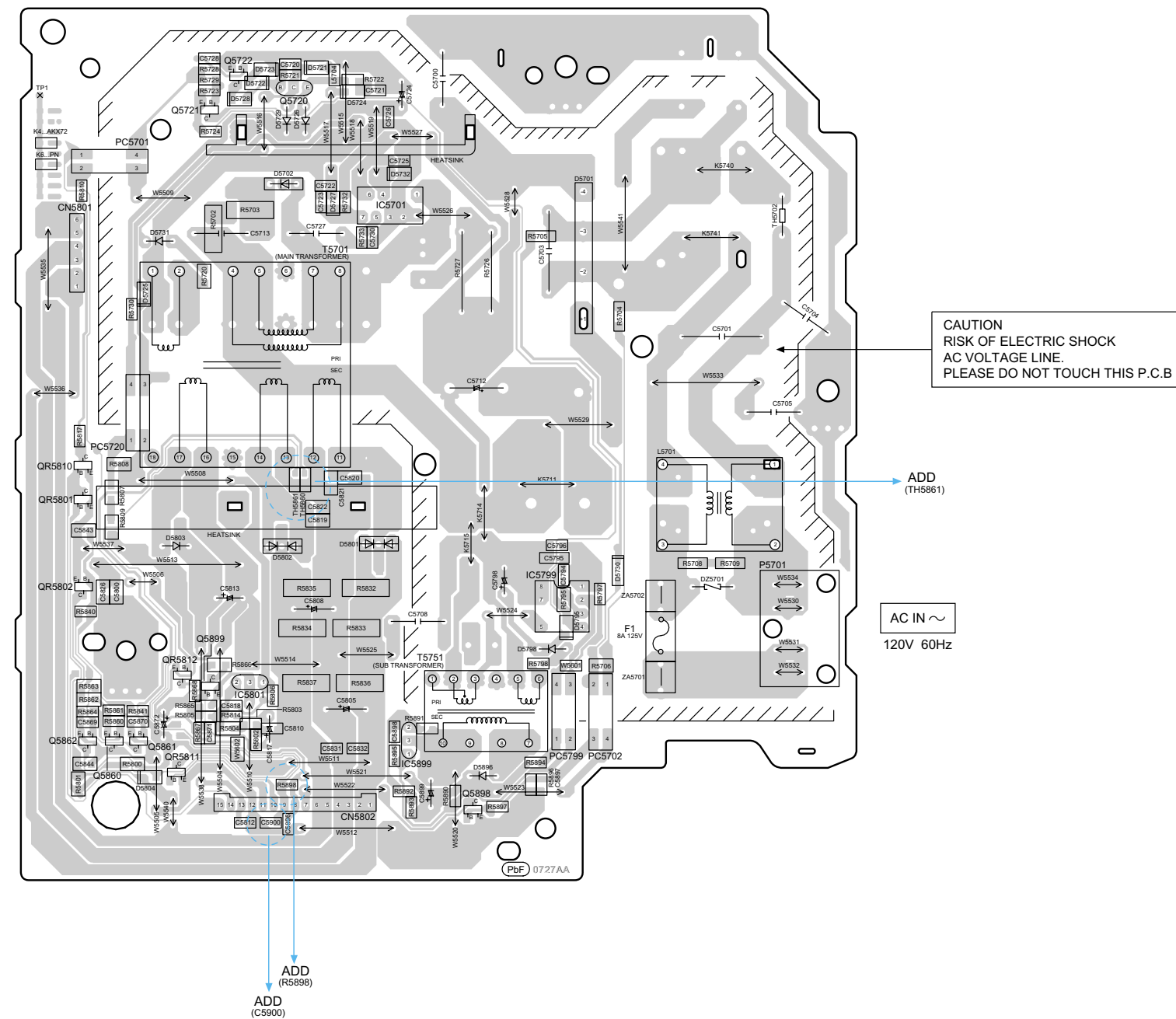
NOTE: " " REF IS FOR INDICATION ONLY.

SA-AKX72PH/PN  
SMPS / VOLTAGE SELECTOR P.C.B.

With reference to original service manual (section 18.8) on page 126.

With reference to original service manual (section 18.8) on page 126.

**J** SMPS P.C.B. (REPX0886D...PN)



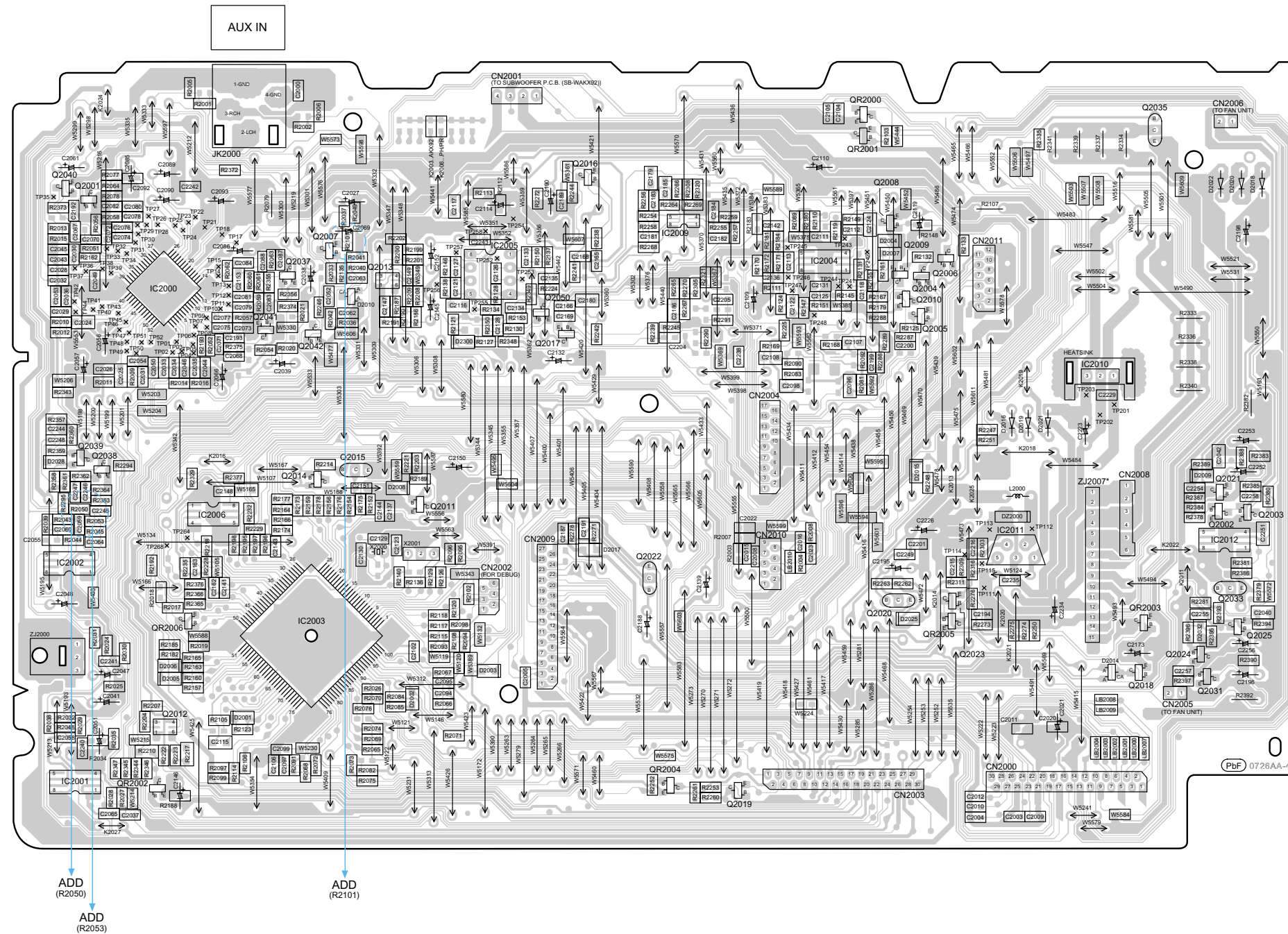
NOTE: " \* " REF IS FOR INDICATION ONLY.

SA-AKX72PH/PN  
SMPS P.C.B.

With reference to original service manual (section 18.2) on page 129.

A vertical scale with labels A, B, C, D, E, F, G, H from bottom to top.

**B** MAIN P.C.B. (REPX0887AA)



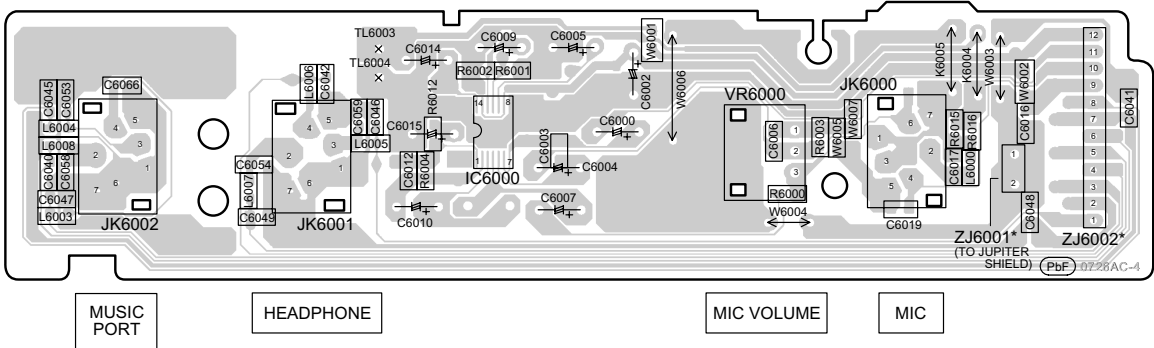
NOTE: " \* " REF IS FOR INDICATION ONLY.

SA-AKX92PH  
MAIN P.C.B.

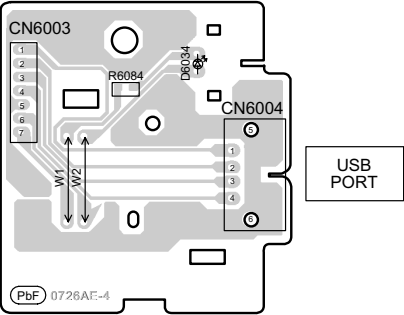
3.14. Music Port, USB, Remote Sensor & Tuner P.C.B. (SA-AKX92PH-K)

With reference to original service manual (section 18.4) on page 131.

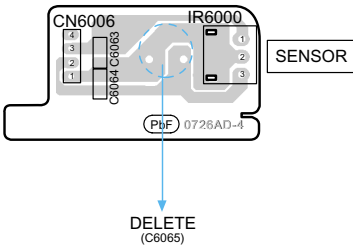
**D** MUSIC PORT P.C.B. (REPX0887AB)



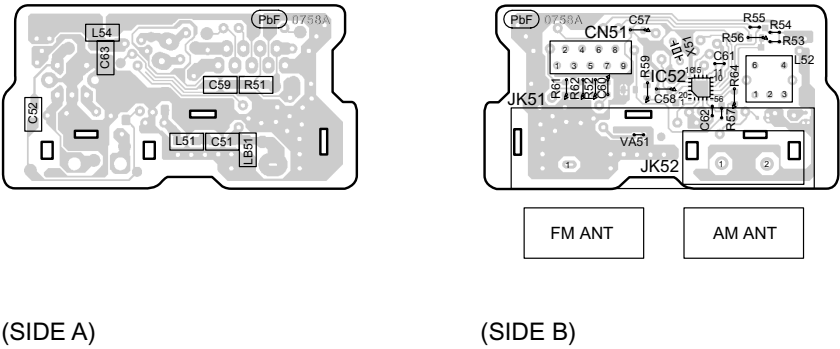
**F** USB P.C.B. (REPX0887AE)



**E** REMOTE SENSOR P.C.B. (REPX0887AD)



**G** TUNER P.C.B. (REPX0928A)



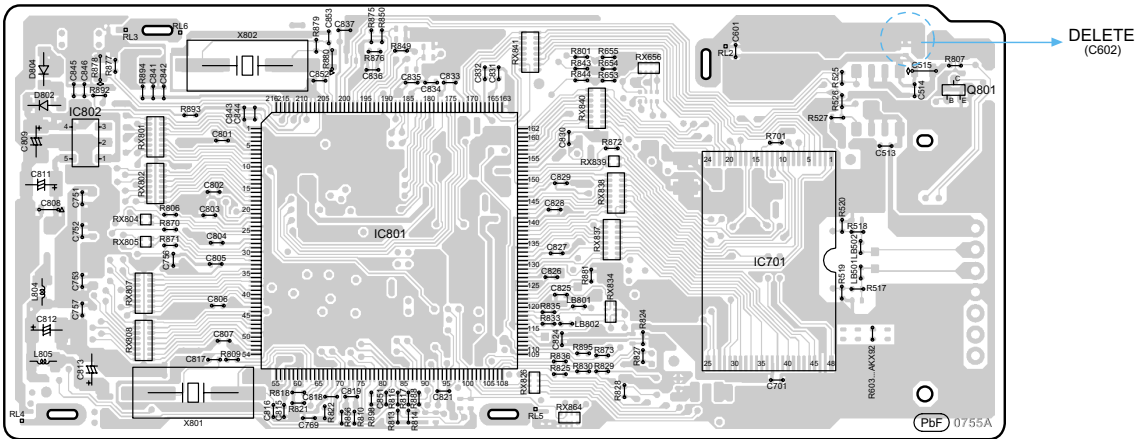
NOTE: " \* " REF IS FOR INDICATION ONLY.

SA-AKX92PH  
MUSIC PORT / REMOTE SENSOR / USB / TUNER P.C.B.

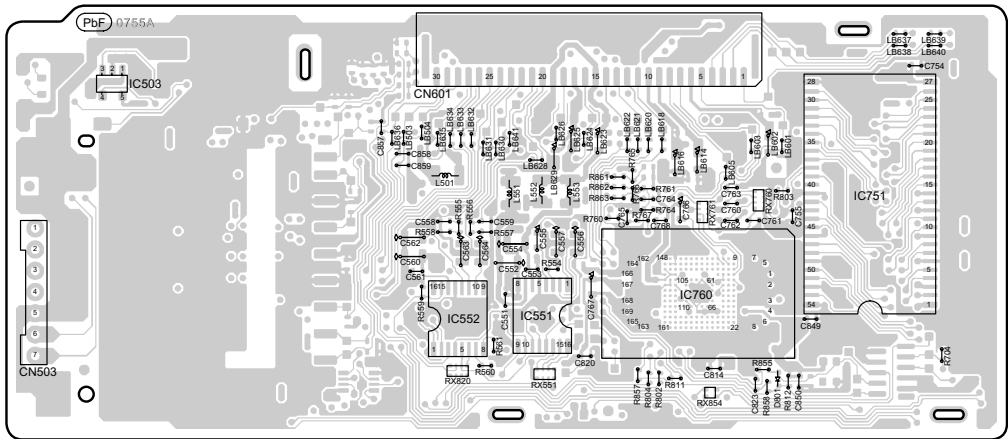
3.15. Jupiter P.C.B. (SA-AKX92PH-K)

With reference to original service manual (section 18.5) on page 132.

**H** JUPITER P.C.B. (RFKBX0922A)



(SIDE A)



(SIDE B)

SA-AKX92PH  
JUPITER P.C.B.

## 4 Exploded View (Updates)

### 4.1. Cabinet Parts Location - Location B:11 - B:11.

With reference to original service manual (section 20.1.1) on page 123 (SA-AKX32PH/PN-K).

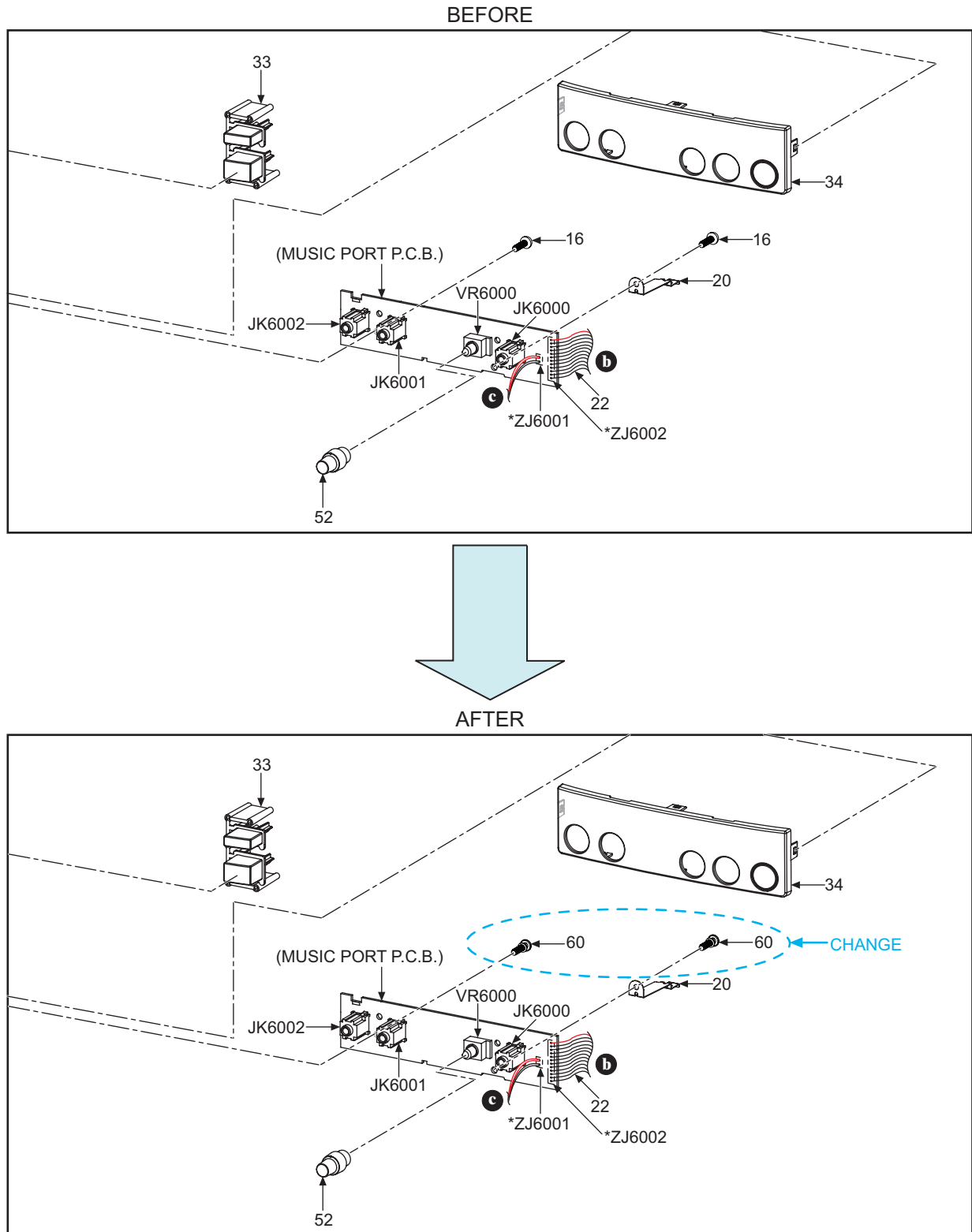
With reference to original service manual (section 5.1.1) on page 13 (SA-AKX32PR-K).

With reference to original service manual (section 20.1.1) on page 123 (SA-AKX52EB/EG/GN-K).

With reference to original service manual (section 20.1.1) on page 125 (SA-AK52PH/PN-K).

With reference to original service manual (section 20.1.1) on page 129 (SA-AKX72PH/PN-K).

With reference to original service manual (section 20.1.1) on page 137 (SA-AKX92PH-K).



## 5 Electrical & Mechanical Replacement Parts List (Updates)

### Reason for Change

\*The circled item indicates the reason. If no marking, see the Notes in the bottom column.

|   |                                    |  |
|---|------------------------------------|--|
| O | 1. Improve performance             |  |
|   | 2. Change of material or dimension |  |
|   | 3. To meet approved specification  |  |
|   | 4. Standardization                 |  |
|   | 5. Addition                        |  |
|   | 6. Deletion                        |  |
| O | 7. Correction                      |  |
|   | 8. Other                           |  |

### Interchangeability Code

\*\*The circled item indicates the interchangeability. If no marking, see the Notes in the bottom column.

| Parts |          | Set Production                                                                    |                                                                                                                                                                            |
|-------|----------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A     | Original |  | Original or new parts may be used in early or late production set.<br>Use original parts until exhausted, then stock new parts.                                            |
|       | New      |                                                                                   |                                                                                                                                                                            |
| B     | Original |  | Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts. |
|       | New      |                                                                                   |                                                                                                                                                                            |
| C     | Original |  | New parts only may be used in early or late production sets.<br>Stock new parts.                                                                                           |
|       | New      |                                                                                   |                                                                                                                                                                            |
| D     | Original |  | Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.                           |
|       | New      |                                                                                   |                                                                                                                                                                            |
| E     | Other    |                                                                                   |                                                                                                                                                                            |

| Model No.              | Ref No. | Original Part No. | New Part No. | Notes | Original Part Name & Description | New Part Name & Description | Remarks       |
|------------------------|---------|-------------------|--------------|-------|----------------------------------|-----------------------------|---------------|
| SA-AKX32PH/PN/<br>PR-K | C6065   | F2A1H220A182      | -            | 1/C   | 22uF 50V                         | -                           | DELETE        |
|                        | C5900   | -                 | F1J1A106A043 | 1/C   | -                                | 10uF 10V                    | ADD (PN ONLY) |
|                        | R5898   | -                 | ERJ3GEYF103V | 1/C   | -                                | 10K 1/10W                   | ADD (PN ONLY) |
|                        | TH5861  | -                 | D4CC11040013 | 1/C   | -                                | THERMISTOR                  | ADD (PN ONLY) |

| Model No.              | Ref No. | Original Part No. | New Part No. | Notes | Original Part Name & Description | New Part Name & Description | Remarks |
|------------------------|---------|-------------------|--------------|-------|----------------------------------|-----------------------------|---------|
| SA-AKX52EB/EG/<br>GN-K | 16      | RHD26046-L        | RHD26046-L   | 1/C   | SCREW (14pcs)                    | SCREW (12pcs)               | CHANGE  |
|                        | 27      | RMBX0073          | RMB0930      | 1/C   | CD LID OPEN SPRING               | CD LID OPEN SPRING          | CHANGE  |
|                        | 39      | RMAX1002-1        | RMAX1002A-1  | 1/C   | D-AMP BRACKET                    | D-AMP BRACKET               | CHANGE  |
|                        | 49      | RMAX1012          | RMAX1012-1   | 1/C   | D-AMP PCB HOLDER                 | D-AMP PCB SUP-PORT          | CHANGE  |
|                        | 60      | -                 | RHD26043-1   | 1/C   | -                                | SCREW                       | ADD     |
|                        | C2146   | F2A0J4700052      | F2A0J470A167 | 1/C   | 47uF 6.3V                        | 47uF 6.3V                   | CHANGE  |
|                        | C2198   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000uF 25V                       | 1000uF 25V                  | CHANGE  |
|                        | C2234   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000uF 25V                       | 1000uF 25V                  | CHANGE  |
|                        | C601    | ERJ2GE0R00X       | F1G1A1040006 | 1/C   | 0 1/16W                          | 0.1uF 10V                   | CHANGE  |
|                        | D2002   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE  |
|                        | D2003   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE  |
|                        | R2258   | D0GB682JA008      | D0GB223JA008 | 1/C   | 6.8K 1/16W                       | 22K 1/16W                   | CHANGE  |
|                        | R2259   | D0GB682JA008      | D0GB223JA008 | 1/C   | 6.8K 1/16W                       | 22K 1/16W                   | CHANGE  |
|                        | R2320   | D0GB103JA008      | D0GB682JA008 | 1/C   | 10K 1/16W                        | 6.8K 1/16W                  | CHANGE  |
|                        | R2321   | D0GB103JA008      | D0GB682JA008 | 1/C   | 10K 1/16W                        | 6.8K 1/16W                  | CHANGE  |
|                        | R2350   | D0GB333JA008      | D0GB273JA008 | 1/C   | 33K 1/16W                        | 27K 1/16W                   | CHANGE  |
|                        | C6013   | -                 | F1H1H102A219 | 1/C   | -                                | 1000pF 50V                  | ADD     |
|                        | C602    | ERJ2GE0R00X       | -            | 1/C   | 0 1/16W                          | -                           | DELETE  |
|                        | C6065   | F2A1H220A182      | -            | 1/C   | 22uF 50V                         | -                           | DELETE  |

| Model No.       | Ref No. | Original Part No. | New Part No. | Notes | Original Part Name & Description | New Part Name & Description | Remarks       |
|-----------------|---------|-------------------|--------------|-------|----------------------------------|-----------------------------|---------------|
| SA-AKX52PH/PN-K | 16      | RHD26046-L        | RHD26046-L   | 1/C   | SCREW (14pcs)                    | SCREW (12pcs)               | CHANGE        |
|                 | 27      | RMBX0073          | RMB0930      | 1/C   | CD LID OPEN SPRING               | CD LID OPEN SPRING          | CHANGE        |
|                 | 39      | RMAX1002-1        | RMAX1002A-1  | 1/C   | D-AMP BRACKET                    | D-AMP BRACKET               | CHANGE        |
|                 | 49      | RMAX1012          | RMAX1012-1   | 1/C   | D-AMP PCB HOLDER                 | D-AMP PCB SUP-PORT          | CHANGE        |
|                 | 60      | -                 | RHD26043-1   | 1/C   | -                                | SCREW                       | ADD           |
|                 | C2127   | F1H1H181A792      | F1H1H121A792 | 1/C   | 180pF 50V                        | 120pF 50V                   | CHANGE        |
|                 | C2146   | F2A0J4700052      | F2A0J470A167 | 1/C   | 47uF 6.3V                        | 47uF 6.3V                   | CHANGE        |
|                 | C2198   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000uF 25V                       | 1000uF 25V                  | CHANGE        |
|                 | C2234   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000uF 25V                       | 1000uF 25V                  | CHANGE        |
|                 | C5712   | F2B2D5610024      | F2B2G2210025 | 7/C   | 560uF 200V                       | 220uF 400V                  | CHANGE        |
|                 | C601    | ERJ2GE0R00X       | F1G1A1040006 | 1/C   | 0 1/16W                          | 0.1uF 10V                   | CHANGE        |
|                 | D2002   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE        |
|                 | D2003   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE        |
|                 | R2258   | D0GB682JA008      | D0GB223JA008 | 1/C   | 6.8K 1/16W                       | 22K 1/16W                   | CHANGE        |
|                 | R2259   | D0GB682JA008      | D0GB223JA008 | 1/C   | 6.8K 1/16W                       | 22K 1/16W                   | CHANGE        |
|                 | R2320   | D0GB103JA008      | D0GB682JA008 | 1/C   | 10K 1/16W                        | 6.8K 1/16W                  | CHANGE        |
|                 | R2321   | D0GB103JA008      | D0GB682JA008 | 1/C   | 10K 1/16W                        | 6.8K 1/16W                  | CHANGE        |
|                 | R2350   | D0GB333JA008      | D0GB273JA008 | 1/C   | 33K 1/16W                        | 27K 1/16W                   | CHANGE        |
|                 | W6001   | D0GDR00JA017      | D0GBR00JA008 | 1/C   | 0 1/8W                           | 0 1/16W                     | CHANGE        |
|                 | C6013   | -                 | F1H1H102A219 | 1/C   | -                                | 1000pF 50V                  | ADD           |
|                 | W6007   | -                 | D0GBR00JA008 | 1/C   | -                                | 0 1/16W                     | ADD           |
|                 | C602    | ERJ2GE0R00X       | -            | 1/C   | 0 1/16W                          | -                           | DELETE        |
|                 | C6065   | F2A1H220A182      | -            | 1/C   | 22uF 50V                         | -                           | DELETE        |
|                 | C5900   | -                 | F1J1A106A043 | 1/C   | -                                | 10uF 10V                    | ADD (PN ONLY) |
|                 | R5898   | -                 | ERJ3GEYF103V | 1/C   | -                                | 10K 1/10W                   | ADD (PN ONLY) |
|                 | TH5861  | -                 | D4CC11040013 | 1/C   | -                                | THERMISTOR                  | ADD (PN ONLY) |

| Model No.       | Ref No. | Original Part No. | New Part No. | Notes | Original Part Name & Description | New Part Name & Description | Remarks |
|-----------------|---------|-------------------|--------------|-------|----------------------------------|-----------------------------|---------|
| SA-AKX72PH/PN-K | 16      | RHD26046-L        | RHD26046-L   | 1/C   | SCREW (14 pcs)                   | SCREW (12 pcs)              | CHANGE  |
|                 | 27      | RMBX0073          | RMB0930      | 1/C   | CD LID OPEN SPRING               | CD LID OPEN SPRING          | CHANGE  |
|                 | 39      | RMAX1002-1        | RMAX1002A-1  | 1/C   | D-AMP BRACKET                    | D-AMP BRACKET               | CHANGE  |
|                 | 49      | RMAX1012          | RMAX1012-1   | 1/C   | D-AMP PCB HOLDER                 | D-AMP PCB SUP-PORT          | CHANGE  |
|                 | 60      | -                 | RHD26043-1   | 1/C   | -                                | SCREW                       | ADD     |
|                 | C2127   | F1H1H1500009      | F1H1H181A792 | 1/C   | 15pF 50V                         | 180pF 50V                   | CHANGE  |
|                 | C2133   | F1H1H1500009      | F1H1H181A792 | 1/C   | 15pF 50V                         | 180pF 50V                   | CHANGE  |
|                 | C2146   | F2A0J4700052      | F2A0J470A167 | 1/C   | 470uF 6.3V                       | 47uF 6.3V                   | CHANGE  |
|                 | C2165   | F1H1C104A042      | F1H1H563A748 | 1/C   | 0.1uF 16V                        | 0.056uF 50V                 | CHANGE  |
|                 | C2166   | F1H1C104A042      | F1H1H563A748 | 1/C   | 0.1uF 16V                        | 0.056uF 50V                 | CHANGE  |
|                 | C2181   | F1H1A684A025      | F1H1A824A036 | 1/C   | 0.68uF 10V                       | 0.82uF 10V                  | CHANGE  |
|                 | C2182   | F1H1A684A025      | F1H1A824A036 | 1/C   | 0.68uF 10V                       | 0.82uF 10V                  | CHANGE  |
|                 | C2198   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000uF 25V                       | 1000uF 25V                  | CHANGE  |
|                 | C2234   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000uF 25V                       | 1000uF 25V                  | CHANGE  |
|                 | C601    | ERJ2GE0R00X       | F1G1A1040006 | 1/C   | 0 1/16W                          | 0.1uF 10V                   | CHANGE  |
|                 | D2002   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE  |
|                 | D2003   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE  |
|                 | F1      | K5D802BNA005      | K5D632BK0007 | 1/C   | FUSE                             | FUSE                        | CHANGE  |
|                 | R2041   | D0GB563JA008      | D0GB683JA008 | 1/C   | 56K 1/16W                        | 68K 1/16W                   | CHANGE  |
|                 | R2137   | D0GB472JA008      | D0GB562JA008 | 1/C   | 4.7K 1/16W                       | 5.6K 1/16W                  | CHANGE  |
|                 | R2138   | D0GB472JA008      | D0GB562JA008 | 1/C   | 4.7K 1/16W                       | 5.6K 1/16W                  | CHANGE  |
|                 | R2146   | D0GB563JA008      | D0GB683JA008 | 1/C   | 56K 1/16W                        | 68K 1/16W                   | CHANGE  |
|                 | R2150   | D0GB563JA008      | D0GB683JA008 | 1/C   | 56K 1/16W                        | 68K 1/16W                   | CHANGE  |
|                 | R2172   | D0GB183JA008      | D0GB822JA008 | 1/C   | 18K 1/16W                        | 8.2K 1/16W                  | CHANGE  |
|                 | R2181   | D0GB183JA008      | D0GB822JA008 | 1/C   | 18K 1/16W                        | 8.2K 1/16W                  | CHANGE  |
|                 | R2238   | D0GB102JA008      | D0GB122JA008 | 1/C   | 1K 1/16W                         | 1.2K 1/16W                  | CHANGE  |
|                 | R2239   | D0GB102JA008      | D0GB122JA008 | 1/C   | 1K 1/16W                         | 1.2K 1/16W                  | CHANGE  |
|                 | R2320   | D0GB562JA008      | D0GB103JA008 | 1/C   | 5.6K 1/16W                       | 10K 1/16W                   | CHANGE  |
|                 | R2321   | D0GB562JA008      | D0GB103JA008 | 1/C   | 5.6K 1/16W                       | 10K 1/16W                   | CHANGE  |
|                 | W6001   | D0GDR00JA017      | D0GBR00JA008 | 1/C   | 0 1/8W                           | 0 1/16W                     | CHANGE  |
|                 | C2192   | -                 | F1H0J1050012 | 1/C   | -                                | 1uF 6.3V                    | ADD     |
|                 | C2193   | -                 | F1H0J1050012 | 1/C   | -                                | 1uF 6.3V                    | ADD     |
|                 | C5900   | -                 | F1J1A106A043 | 1/C   | -                                | 10uF 10V                    | ADD     |
|                 | R2050   | -                 | D0GB223JA008 | 1/C   | -                                | 22K 1/16W                   | ADD     |
|                 | R2053   | -                 | D0GB223JA008 | 1/C   | -                                | 22K 1/16W                   | ADD     |
|                 | R2101   | -                 | D0GB101JA008 | 1/C   | -                                | 100 1/16W                   | ADD     |
|                 | R2246   | -                 | D0GB101JA008 | 1/C   | -                                | 100 1/16W                   | ADD     |
|                 | R2294   | -                 | D0GD682JA017 | 1/C   | -                                | 6.8K 1/8W                   | ADD     |
|                 | R2295   | -                 | D0GB682JA008 | 1/C   | -                                | 6.8K 1/16W                  | ADD     |
|                 | R5898   | -                 | ERJ3GEYF103V | 1/C   | -                                | 10K 1/10W                   | ADD     |
|                 | TH5861  | -                 | D4CC11040013 | 1/C   | -                                | THERMISTOR                  | ADD     |
|                 | W6007   | -                 | D0GBR00JA008 | 1/C   | -                                | 0 1/16W                     | ADD     |
|                 | C602    | ERJ2GE0R00X       | -            | 1/C   | 0 1/16W                          | -                           | DELETE  |
|                 | C6065   | F2A1H220A182      | -            | 1/C   | 22uF 50V                         | -                           | DELETE  |

| Model No.    | Ref No. | Original Part No. | New Part No. | Notes | Original Part Name & Description | New Part Name & Description | Remarks |
|--------------|---------|-------------------|--------------|-------|----------------------------------|-----------------------------|---------|
| SA-AKX92PH-K | 16      | RHD26046-L        | RHD26046-L   | 1/C   | SCREW (14pcs)                    | SCREW (12pcs)               | CHANGE  |
|              | 27      | RMBX0073          | RMB0930      | 1/C   | CD LID OPEN SPRING               | CD LID OPEN SPRING          | CHANGE  |
|              | 39      | RMAX1002-1        | RMAX1002A-1  | 1/C   | D-AMP BRACKET                    | D-AMP BRACKET               | CHANGE  |
|              | 49      | RMAX1012          | RMAX1012-1   | 1/C   | D-AMP PCB HOLDER                 | D-AMP PCB SUP-PORT          | CHANGE  |
|              | 60      | -                 | RHD26043-1   | 1/C   | -                                | SCREW                       | ADD     |
|              | C2127   | F1H1H151A792      | F1H1H2710006 | 1/C   | 150pF 50V                        | 270pF 50V                   | CHANGE  |
|              | C2133   | F1H1H151A792      | F1H1H2710006 | 1/C   | 150pF 50V                        | 270pF 50V                   | CHANGE  |
|              | C2146   | F2A0J4700052      | F2A0J470A167 | 1/C   | 47uF 6.3V                        | 47uF 6.3V                   | CHANGE  |
|              | C2181   | F1H1A684A025      | F1H1A474A025 | 1/C   | 0.68uF 10V                       | 0.47uF 10V                  | CHANGE  |
|              | C2182   | F1H1A684A025      | F1H1A474A025 | 1/C   | 0.68uF 10V                       | 0.47uF 10V                  | CHANGE  |
|              | C2198   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000pF 25V                       | 1000uF 25V                  | CHANGE  |
|              | C2234   | F2A1E102B396      | F2A1E102A207 | 1/C   | 1000pF 25V                       | 1000uF 25V                  | CHANGE  |
|              | C601    | ERJ2GE0R00X       | F1G1A1040006 | 1/C   | 0 1/16W                          | 0.1uF 10V                   | CHANGE  |
|              | D2002   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE  |
|              | D2003   | DZ2J033M0L        | B0BC3R3A0262 | 1/C   | DIODE                            | DIODE                       | CHANGE  |
|              | R2041   | D0GB563JA008      | D0GB683JA008 | 1/C   | 56K 1/16W                        | 68K 1/16W                   | CHANGE  |
|              | R2056   | D0GB122JA008      | D0GB102JA008 | 1/C   | 1.2K 1/16W                       | 1K 1/16W                    | CHANGE  |
|              | R2057   | D0GB122JA008      | D0GB102JA008 | 1/C   | 1.2K 1/16W                       | 1K 1/16W                    | CHANGE  |
|              | R2137   | D0GB472JA008      | D0GB562JA008 | 1/C   | 4.7K 1/16W                       | 5.6K 1/16W                  | CHANGE  |
|              | R2138   | D0GB472JA008      | D0GB562JA008 | 1/C   | 4.7K 1/16W                       | 5.6K 1/16W                  | CHANGE  |
|              | R2238   | D0GB102JA008      | D0GB122JA008 | 1/C   | 1K 1/16W                         | 1.2K 1/16W                  | CHANGE  |
|              | R2239   | D0GB102JA008      | D0GB122JA008 | 1/C   | 1K 1/16W                         | 1.2K 1/16W                  | CHANGE  |
|              | R2256   | D0GB123JA008      | D0GB223JA008 | 1/C   | 12K 1/16W                        | 22K 1/16W                   | CHANGE  |
|              | R2257   | D0GB123JA008      | D0GB223JA008 | 1/C   | 12K 1/16W                        | 22K 1/16W                   | CHANGE  |
|              | R2288   | D0GB103JA008      | D0GB223JA008 | 1/C   | 10K 1/16W                        | 22K 1/16W                   | CHANGE  |
|              | R2289   | D0GB103JA008      | D0GB223JA008 | 1/C   | 10K 1/16W                        | 22K 1/16W                   | CHANGE  |
|              | R2290   | D0GB472JA008      | D0GBR00JA008 | 1/C   | 4.7K 1/16W                       | 0 1/16W                     | CHANGE  |
|              | R2291   | D0GB472JA008      | D0GBR00JA008 | 1/C   | 4.7K 1/16W                       | 0 1/16W                     | CHANGE  |
|              | R2381   | D0GB123JA008      | D0GB103JA008 | 1/C   | 12K 1/16W                        | 10K 1/16W                   | CHANGE  |
|              | R5861   | ERJ3GEYF272V      | ERJ3GEYF222V | 1/C   | 2.7K 1/10W                       | 2.2K 1/10W                  | CHANGE  |
|              | W6001   | D0GDR00JA017      | D0GBR00JA008 | 1/C   | 0 1/8W                           | 0 1/16W                     | CHANGE  |
|              | R2050   | -                 | D0GB223JA008 | 1/C   | -                                | 22K 1/16W                   | ADD     |
|              | R2053   | -                 | D0GB223JA008 | 1/C   | -                                | 22K 1/16W                   | ADD     |
|              | R2101   | -                 | D0GB101JA008 | 1/C   | -                                | 100 1/16W                   | ADD     |
|              | W6007   | -                 | D0GBR00JA008 | 1/C   | -                                | 0 1/16W                     | ADD     |
|              | C602    | ERJ2GE0R00X       | -            | 1/C   | 0 1/16W                          | -                           | DELETE  |
|              | C6065   | F2A1H220A182      | -            | 1/C   | 22uF 50V                         | -                           | DELETE  |

T.I No.

|            |           |
|------------|-----------|
| ME2100235B | MM2110532 |
| ME2110453  | MM2110740 |
| ME2110516  | MM2110957 |
| ME2110557  |           |
| ME2110626  |           |
| ME2110629  |           |
| ME2110634  |           |
| ME2110663  |           |
| ME2110759  |           |
| ME2110800  |           |
| ME2110813  |           |
| ME2110843  |           |
| ME2110861  |           |

(For Factory Reference only).

## 6 Troubleshooting Guide

### 6.1. Jupiter

