

# Service Manual

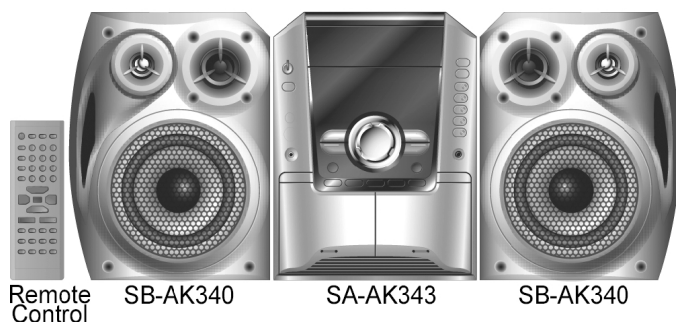
## CD Stereo System



### SA-AK343P

Colour

(S) .... Silver Type



Remote  
Control

SB-AK340

SA-AK343

SB-AK340

Please use this manual together with the service manual for Model No. [SA-AK340P/PC-S, Order No. MD0510381C1].

## Specifications

### ■ SYSTEM

SC-AK343 (P)

Music center: SA-AK343 (P)

Speaker: SB-AK340 (P)

(Refer to the original service manual for information of the technical specifications.)

### Notes:

1. Specifications are subject to change without notice. Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

### 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.

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# Panasonic

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# 1 Notes

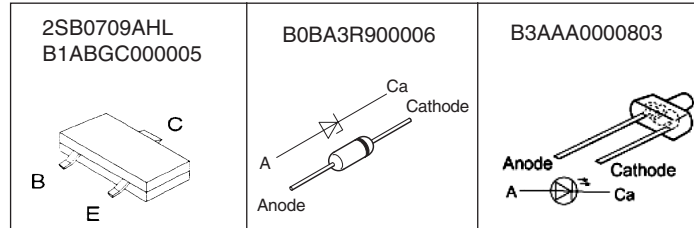
This service manual does not contain the following information, because of the reference to the original model of SA-AK340P/PC-S.

- Assembling & Disassembling
- Service Positions
- Self-diagnosis & special mode setting
- Terminal function of IC's

The following sections contains information that has been changed or modified.

## 2 Illustration of IC's, Transistors and Diodes (Updating)

**Note:** With reference to page 48 (section 15) of original service manual for SA-AK340P/PC-S. Below are the updates.







### 3 Schematic Diagram (Updating)

#### 3.1. (B) Main Circuit

**B** MAIN CIRCUIT



1



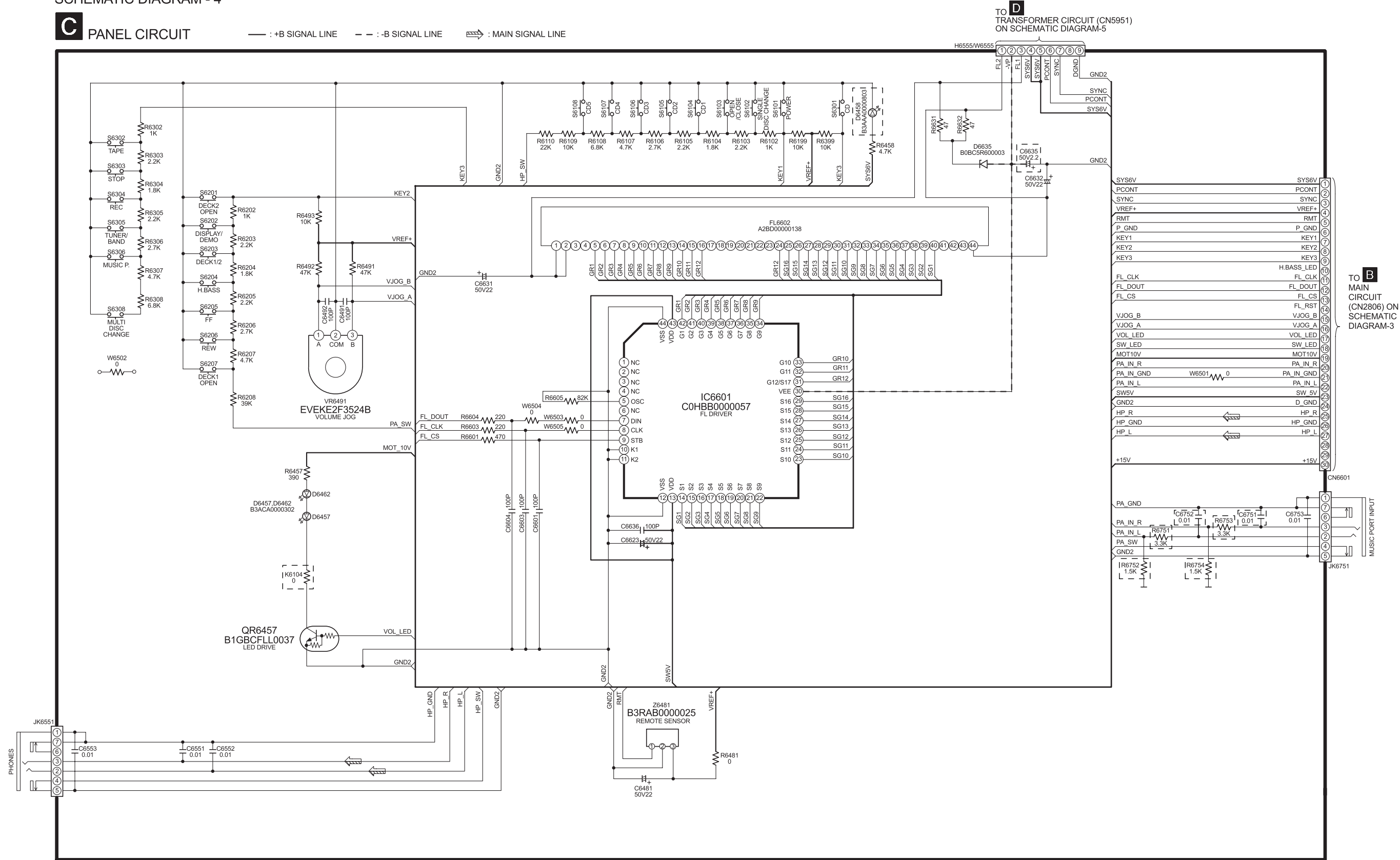




3.2. (C) Panel Circuit

Note: With reference to page 65 (section 18.4) of original service manual for SA-AK340P/PC-S. Below is the updates.

SCHEMATIC DIAGRAM - 4



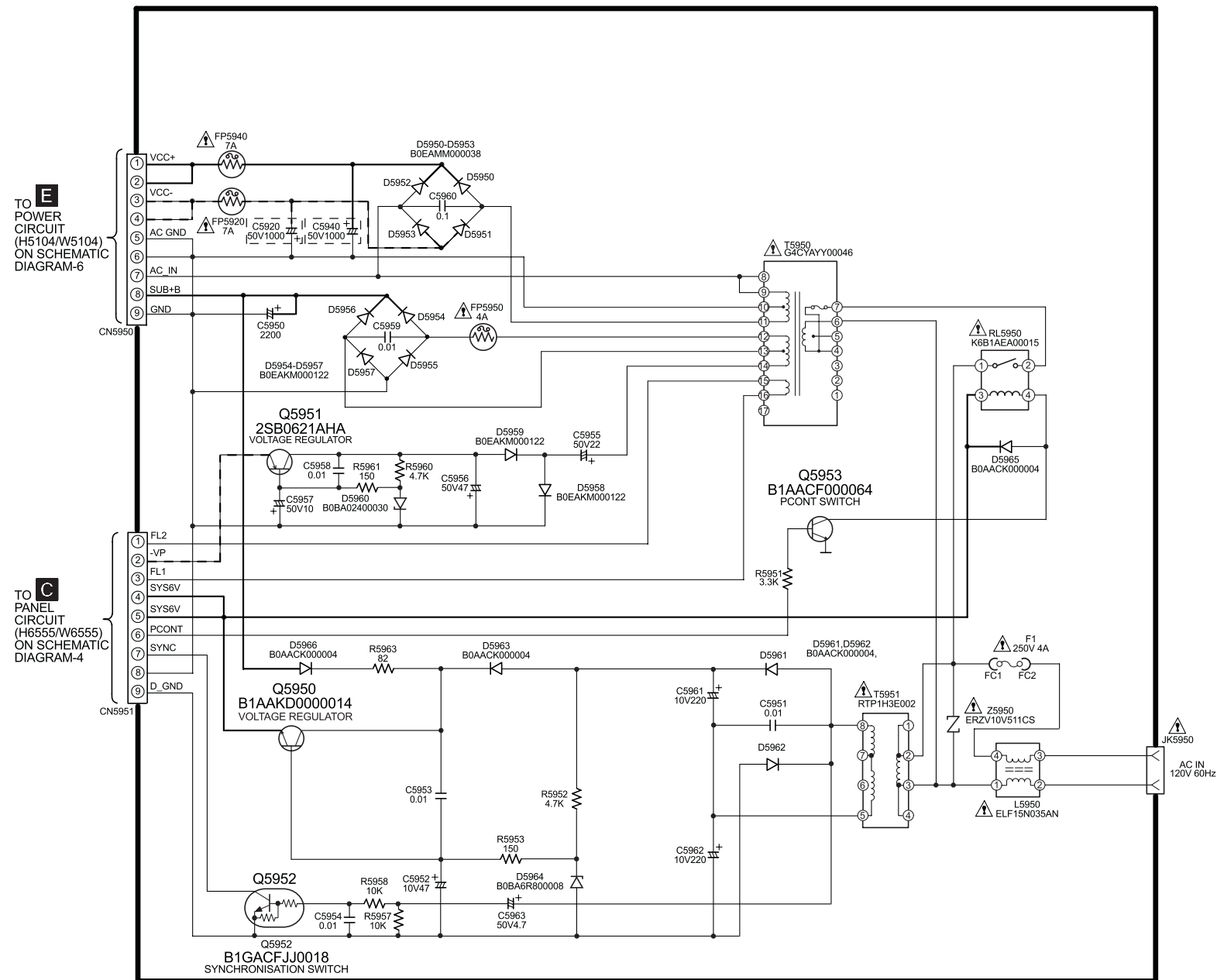


### 3.3. (D) Transformer Circuit

Note: With reference to page 67 (section 18.5) of original service manual for SA-AK340P/PC-S. Below is the updates.

SCHEMATIC DIAGRAM - 5

**D** TRANSFORMER CIRCUIT    — : +B SIGNAL LINE    - - : -B SIGNAL LINE



SA-AK343P TRANSFORMER CIRCUIT

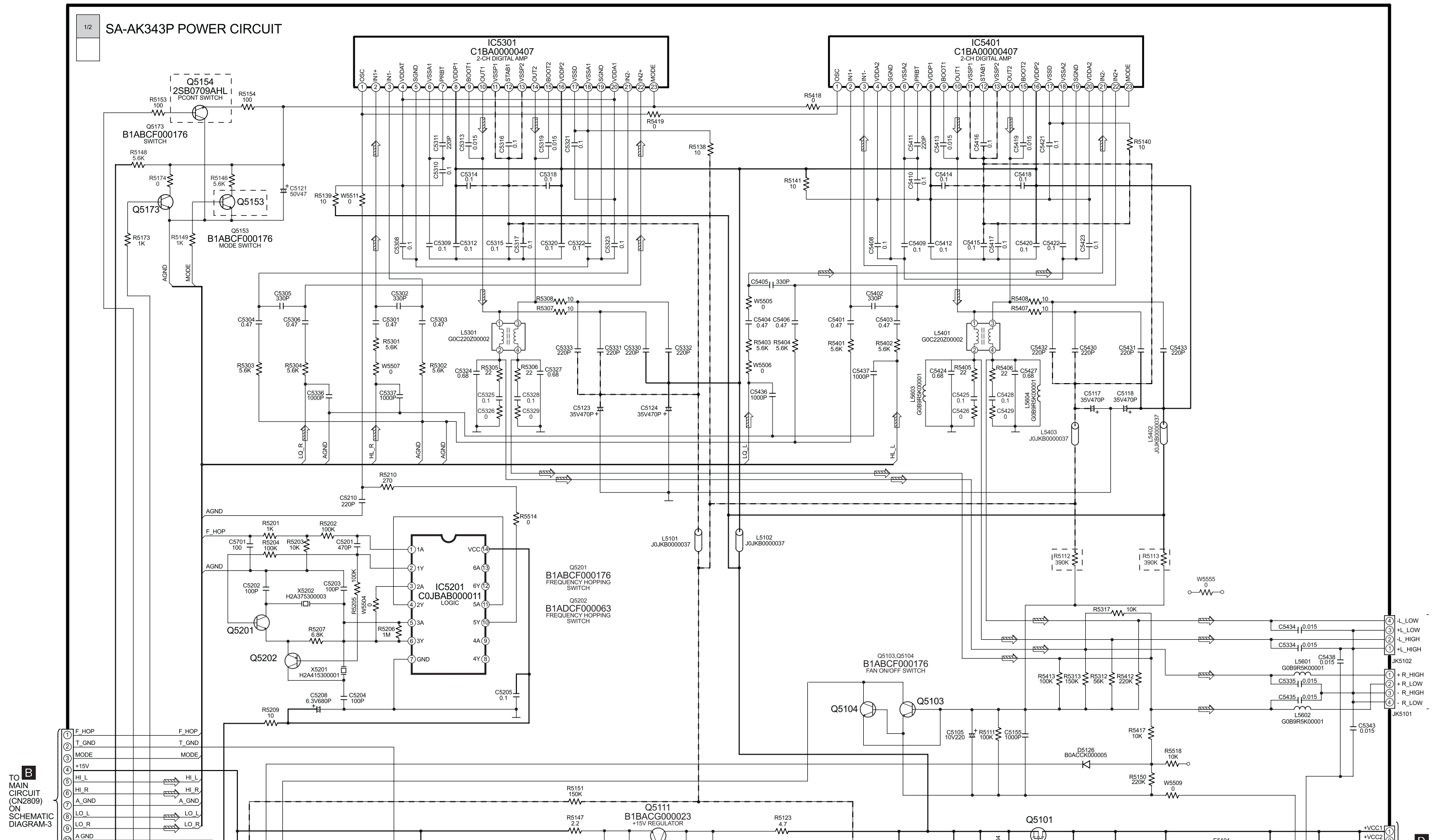


### 3.4. (E) Power Circuit

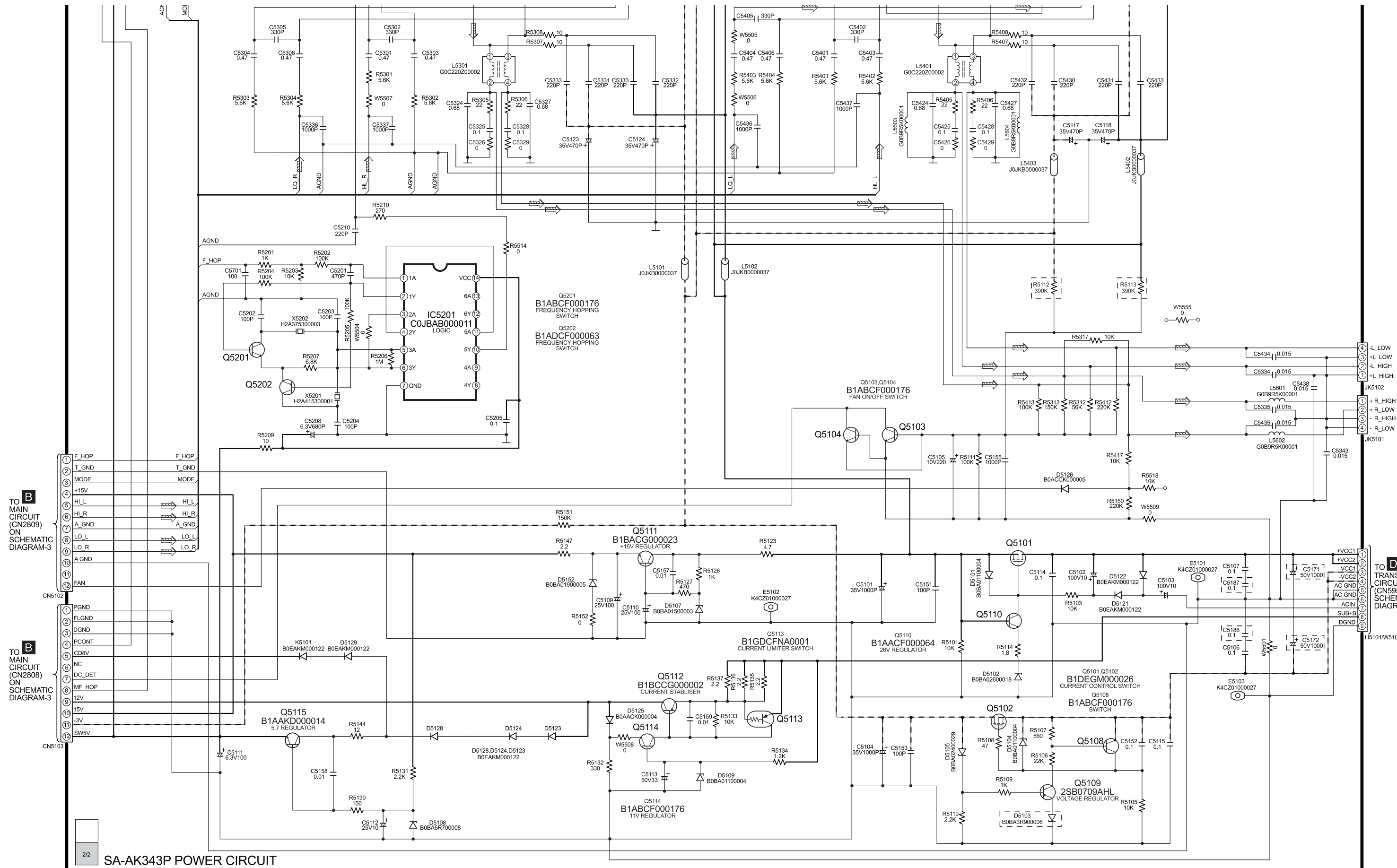
**Note:** With reference to page 69~70 (section 18.6) of original service manual for SA-AK340P/PC-S. Below is the updates.

SCHEMATIC DIAGRAM - 6

**E** POWER CIRCUIT — : +B SIGNAL LINE    - - : -B SIGNAL LINE     : MAIN SIGNAL LINE

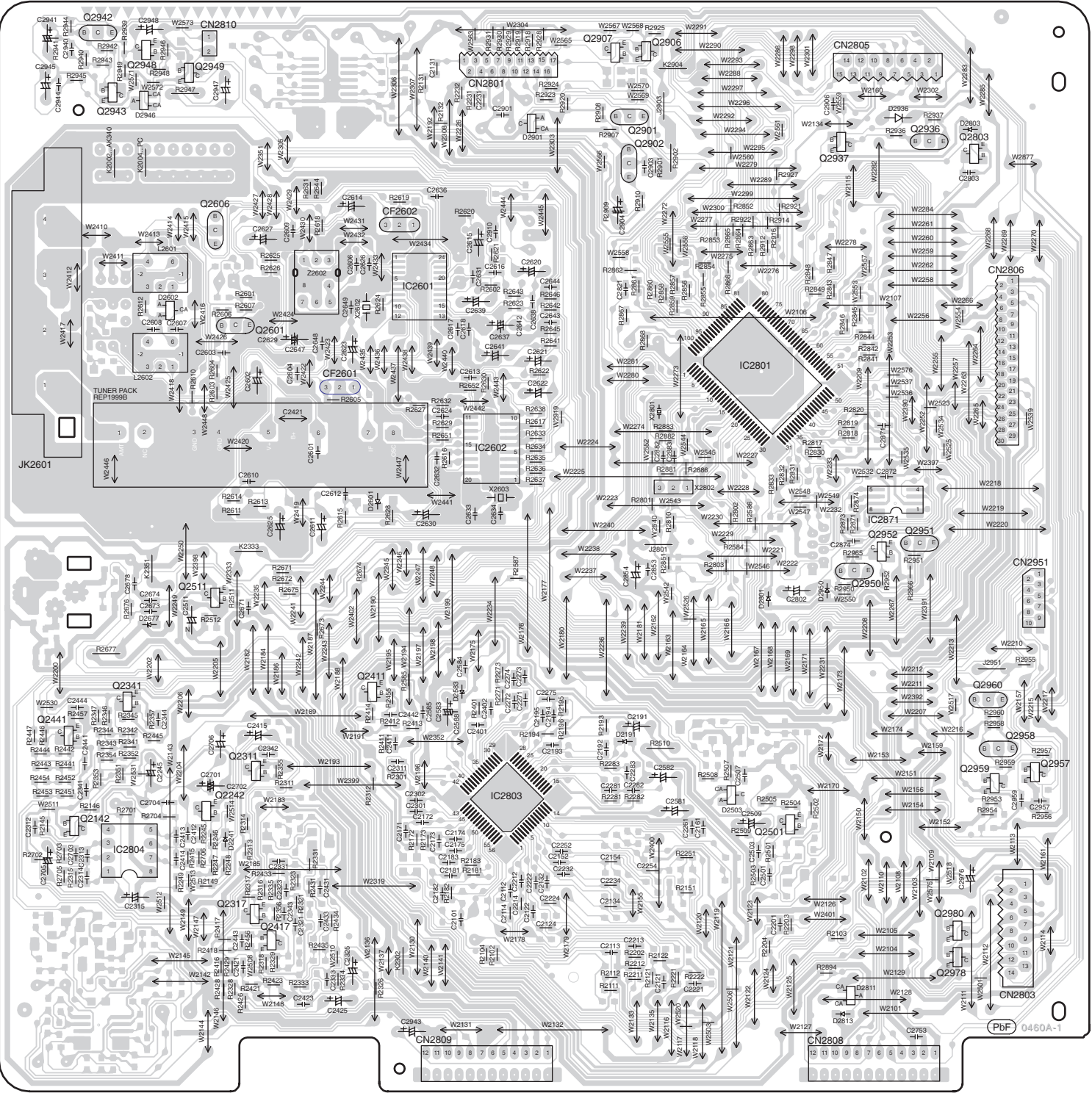






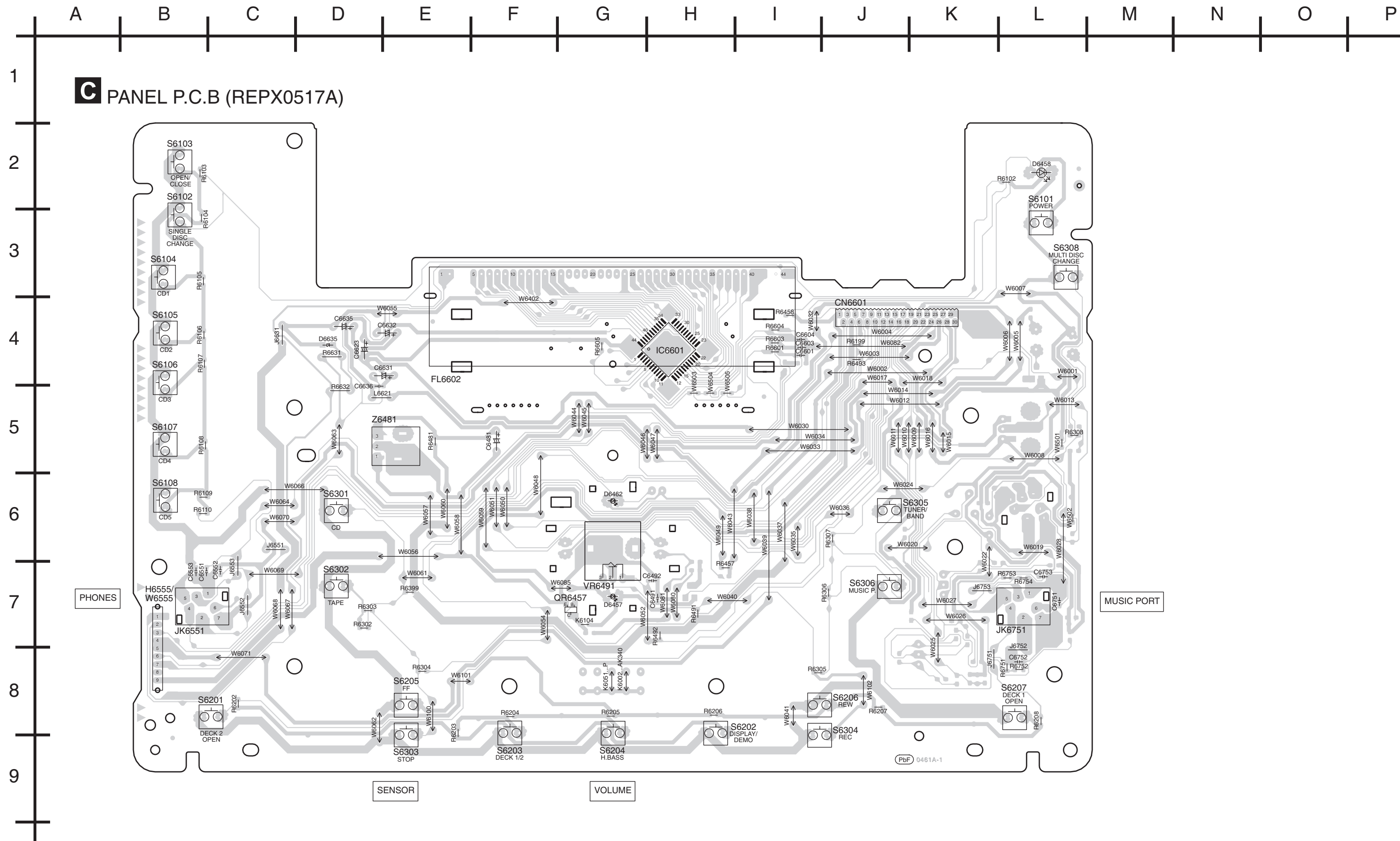


## 4 Printed Circuit Board (Updating)

FM LOOP  
ANTENNA

## 4.2. (C) Panel P.C.B.

Note: With reference to page 76 (section 19.3) of original service manual for SA-AK340P/PC-S. Below is the updates.



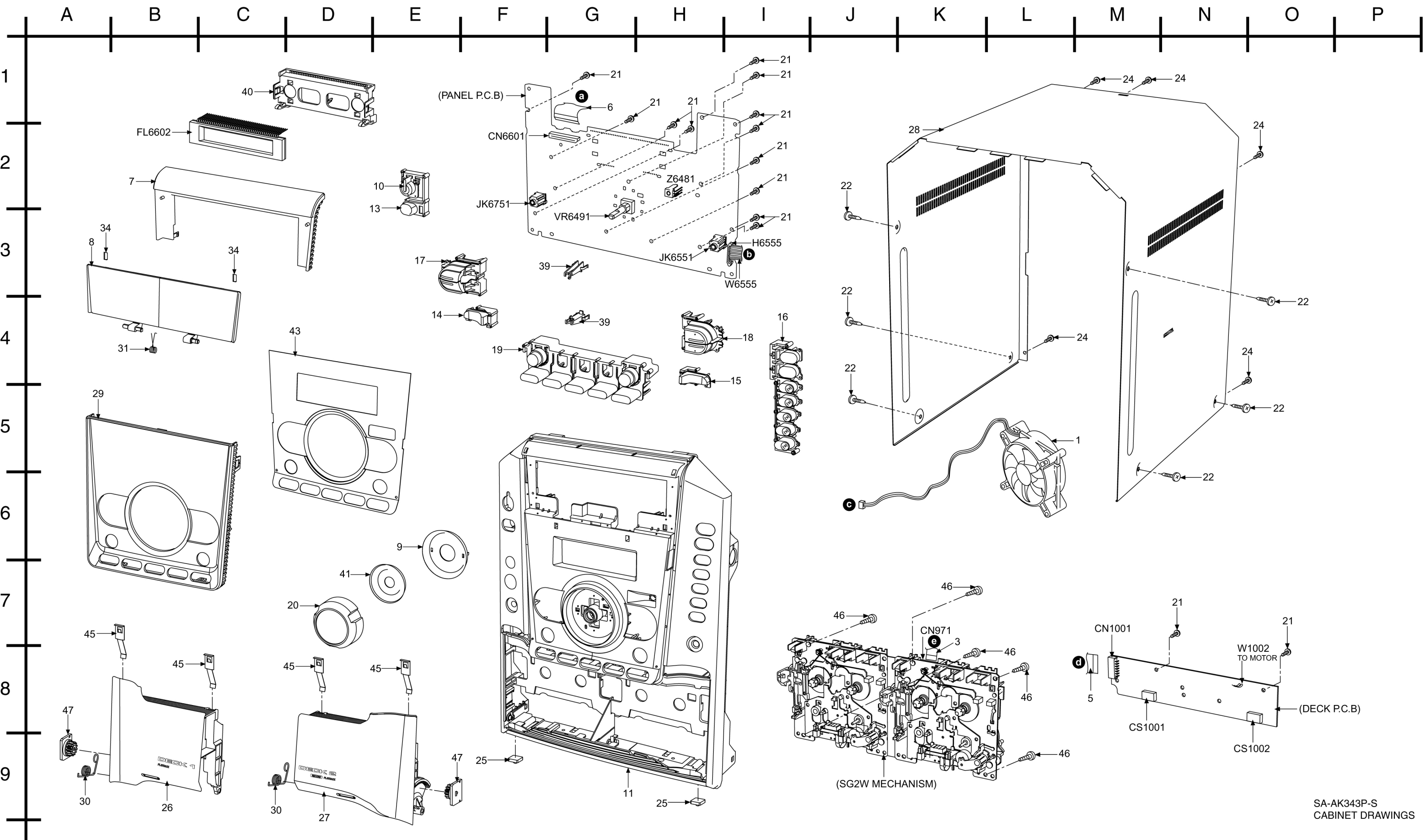




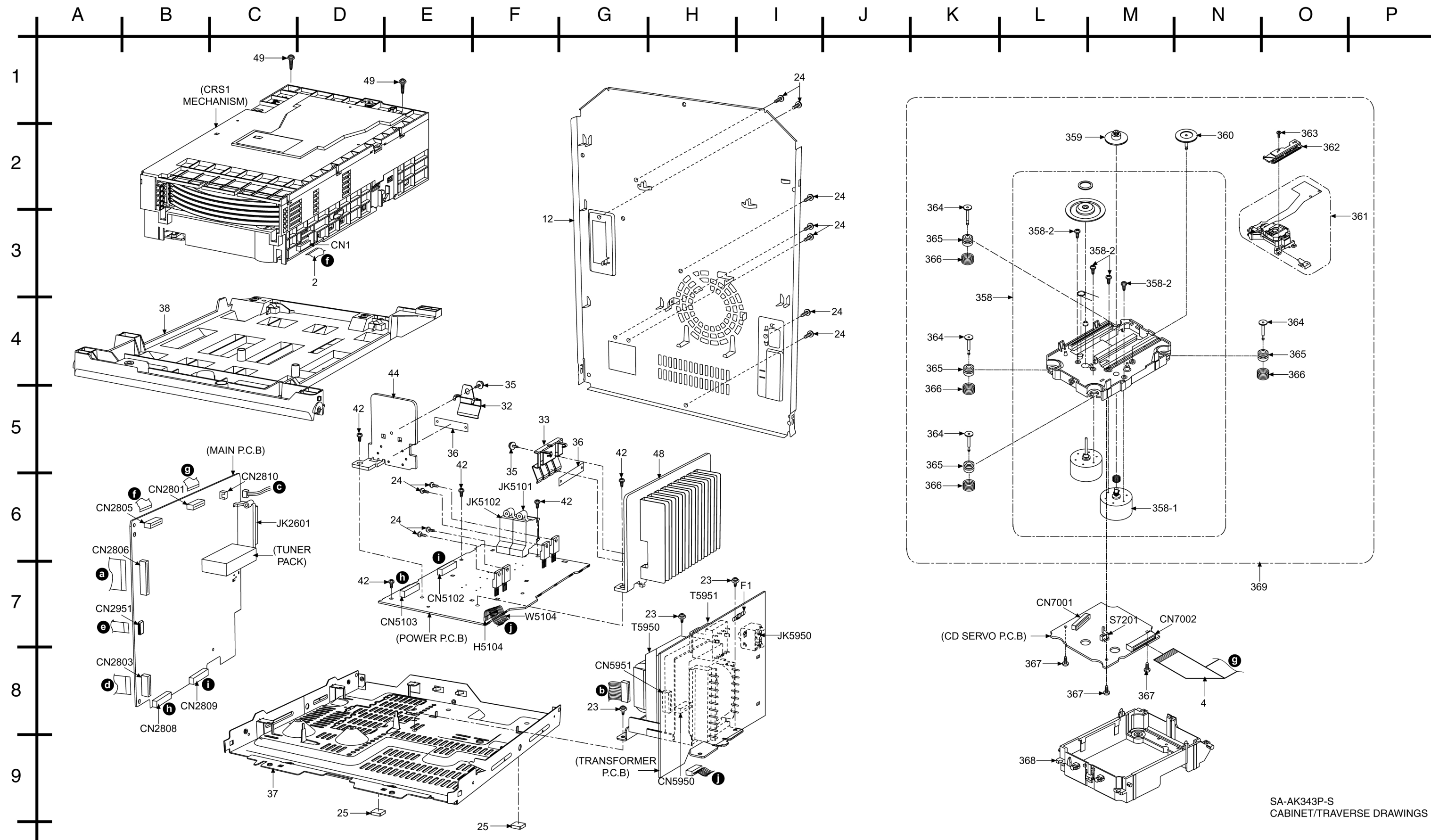
# 5 Exploded Views (Updating)

Note: With reference to page 85~88 (section 21) of original service manual for SA-AK340P/PC-S. Below are the updates.

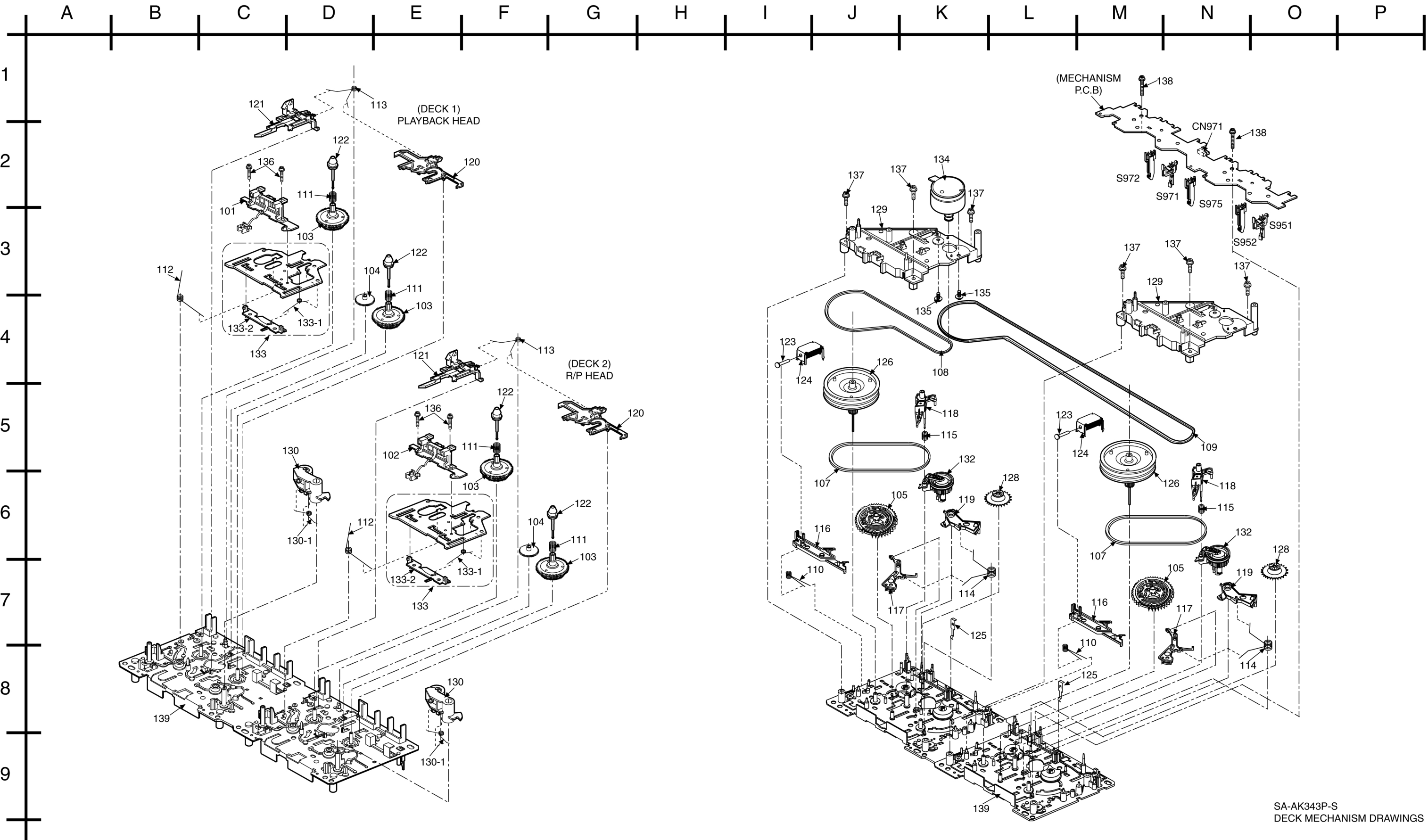
5.1. Cabinet Parts Location

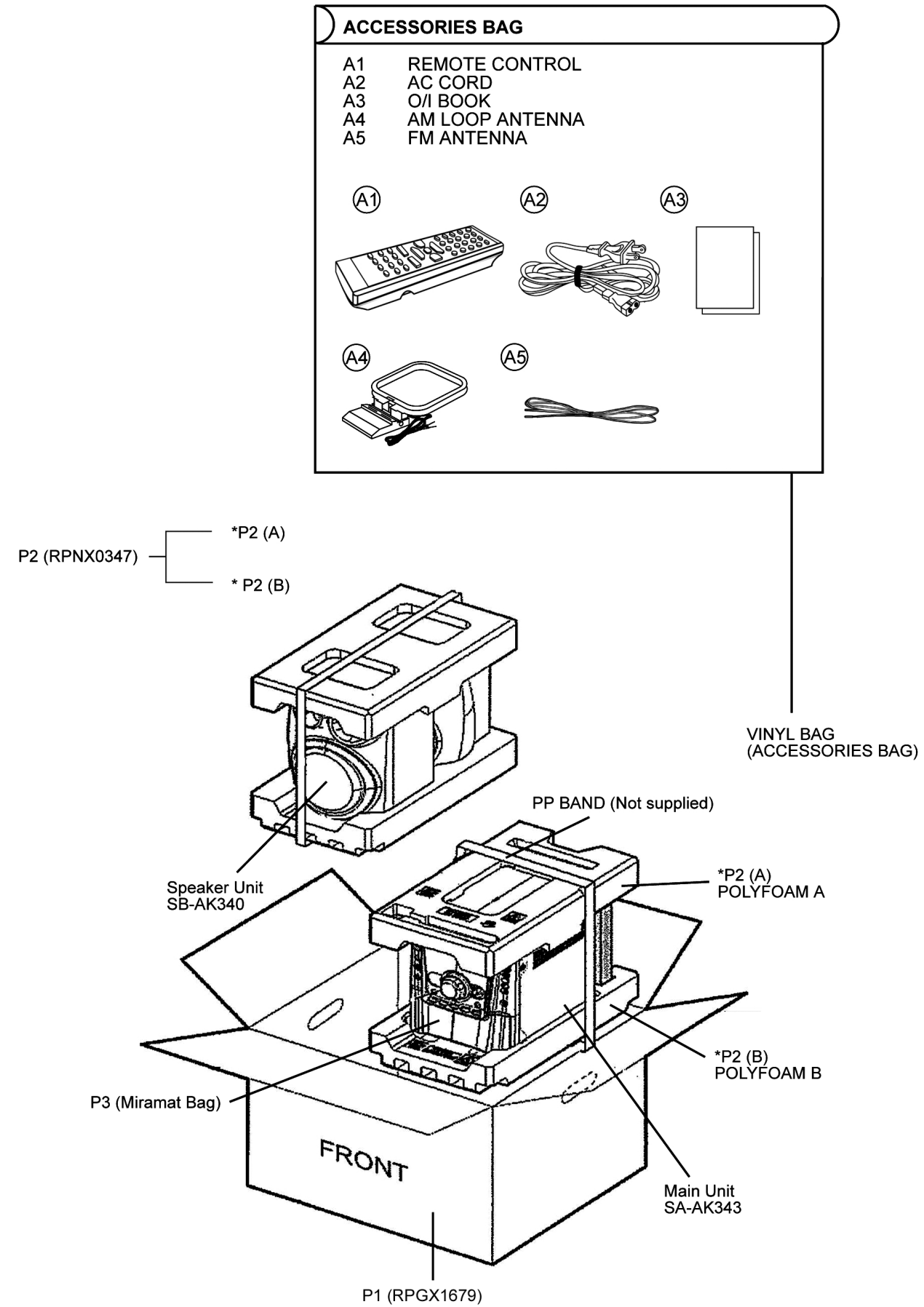






5.2. Deck Mechanism Parts Location (RAA4502-1S)







# 6 Parts Location and Replacement Parts List (Updating)

**Note:** With reference to page 89 ~ 99 (sections 22) of original service manual for SA-AK340P/PC-S. Below are the updates.

## Notes:

- Important safety notice:

Components identified by  $\triangle$  mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardent (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour)
- Parts without these indications can be used for all areas.

- Warning: This product uses a laser diode. Refer to caution statements on "Precaution of Laser Diode".

- Capacitor values are in microfarads ( $\mu$ F) unless specified otherwise, P= Pico-farads (pF), F= Farads.

- Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM).

- The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

- [M] Indicates in the Remarks columns indicates parts supplied by **PAVCSG**.

- Reference for O/I book languages are as follows:

|     |                 |     |         |     |         |     |                     |
|-----|-----------------|-----|---------|-----|---------|-----|---------------------|
| Ar: | Arabic          | Du: | Dutch   | It: | Italian | Sp  | Spanish             |
| Cf: | Canadian French | En: | English | Ko: | Korean  | Sw: | Swedish             |
| Cz: | Czech           | Fr: | French  | Po: | Polish  | Co: | Traditional Chinese |
| Da: | Danish          | Ge: | German  | Ru: | Russian | Cn: | Simplified Chinese  |
| Pe: | Persian         | Ur: | Ukraine |     |         |     |                     |

| Ref. No. | Part No.     | Part Name & Description | Remarks |
|----------|--------------|-------------------------|---------|
|          |              | CABINET AND CHASSIS     |         |
| 12       | RGRX0054M-C  | REAR CABINET            | [M]     |
| 25       | RKA0072-KJ   | LEG CUSHION             | [M]     |
| 48       | RXXX0066-2   | HEAT SINK UNIT          | [M]     |
|          |              | CASSETTE DECK           |         |
| 126      | RXF0061-1    | FLYWHEEL F ASS'Y        | [M]     |
|          |              | TRANSISTORS             |         |
| Q2311    | B1ABGC000005 | TRANSISTOR              | [M]     |
| Q2317    | B1ABGC000005 | TRANSISTOR              | [M]     |
| Q2341    | B1ABGC000005 | TRANSISTOR              | [M]     |
| Q2411    | B1ABGC000005 | TRANSISTOR              | [M]     |
| Q2417    | B1ABGC000005 | TRANSISTOR              | [M]     |
| Q2441    | B1ABGC000005 | TRANSISTOR              | [M]     |
| Q5154    | 2SB0709AHL   | TRANSISTOR              | [M]     |
|          |              | DIODES                  |         |
| D5103    | B0BA3R900006 | DIODE                   | [M]     |
| D6458    | B3AAA0000803 | DIODE                   | [M]     |
|          |              | SWITCHES                |         |
| S951     | K0J1BB000017 | SW MODE                 | [M]     |
| S952     | K0J1BB000021 | SW HALF                 | [M]     |
| S971     | K0J1BB000017 | SW MODE                 | [M]     |
| S972     | K0J1BB000021 | SW HALF                 | [M]     |
| S975     | K0J1BB000021 | SW RECINH_F             | [M]     |
| CN7001   | K1MN16B00154 | 16P CONNECTOR           | [M]     |
| CS1001   | K1MY05AA0043 | CONNECTOR SOCKET        | [M]     |
| CS1002   | K1MY05AA0043 | CONNECTOR SOCKET        | [M]     |

| Ref. No. | Part No.     | Part Name & Description | Remarks |
|----------|--------------|-------------------------|---------|
|          |              | PACKING MATERIALS       |         |
| P1       | RPGX1679     | PACKING CASE            | [M]     |
|          |              | RESISTORS               |         |
| R2145    | ERJ3GEYJ102V | 1K 1/16W                | [M]     |
| R2149    | D0GB332JA007 | 3.3K 1/16W              | [M]     |
| R2172    | ERJ3GEYJ682V | 6.8K 1/16W              | [M]     |
| R2245    | ERJ3GEYJ102V | 1K 1/16W                | [M]     |
| R2249    | D0GB332JA007 | 3.3K 1/16W              | [M]     |
| R2271    | D0GB472JA041 | 4.7K 1/16W              | [M]     |
| R2311    | D0GB471JA041 | 470 1/16W               | [M]     |
| R2312    | ERJ3GEYJ103V | 10K 1/16W               | [M]     |
| R2317    | ERJ3GEYJ103V | 10K 1/16W               | [M]     |
| R2345    | D0GB152JA007 | 1.5K 1/16W              | [M]     |
| R2411    | D0GB471JA041 | 470 1/16W               | [M]     |
| R2412    | ERJ3GEYJ103V | 10K 1/16W               | [M]     |
| R2417    | ERJ3GEYJ103V | 10K 1/16W               | [M]     |
| R2445    | D0GB152JA007 | 1.5K 1/16W              | [M]     |
| R5112    | ERJ3GEYJ394V | 390K 1/16W              | [M]     |
| R5113    | ERJ3GEYJ394V | 390K 1/16W              | [M]     |
| R6751    | D0GB332JA007 | 3.3K 1/16W              | [M]     |
| R6752    | D0GB152JA007 | 1.5K 1/16W              | [M]     |
| R6753    | D0GB332JA007 | 3.3K 1/16W              | [M]     |
| R6754    | D0GB152JA007 | 1.5K 1/16W              | [M]     |
| K6104    | ERJ3GEY0R00V | CHIP JUMPER             | [M]     |
|          |              | CAPACITORS              |         |
| C2113    | ECJ1VB1H682K | 6800P 50V               | [M]     |
| C2172    | ECJ1VB1H104K | 0.1 50V                 | [M]     |
| C2213    | ECJ1VB1H682K | 6800P 50V               | [M]     |
| C2272    | F1H1A154A001 | 0.15 10V                | [M]     |
| C2703    | F1H1H471A219 | 470P 50V                | [M]     |

| Ref. No. | Part No.     | Part Name & Description | Remarks |
|----------|--------------|-------------------------|---------|
| C2704    | F1H1H471A219 | 470P 50V                | [M]     |
| C2802    | ECA1HAK3R3XB | 3.3 50V                 | [M]     |
| C2854    | ECA1AAK221XB | 220 10V                 | [M]     |
| C5106    | ECJ1VB1H104K | 0.1 50V                 | [M]     |
| C5107    | ECJ1VB1H104K | 0.1 50V                 | [M]     |
| C5114    | F1K2A1040007 | 0.1 100V                | [M]     |
| C5115    | F1K2A1040007 | 0.1 100V                | [M]     |
| C5171    | ECA1HM102E   | 1000 50V                | [M]     |
| C5172    | ECA1HM102E   | 1000 50V                | [M]     |
| C5186    | ECJ1VB1H104K | 0.1 50V                 | [M]     |
| C5187    | ECJ1VB1H104K | 0.1 50V                 | [M]     |
| C5920    | ECA1HM102E   | 1000 50V                | [M]     |
| C5940    | ECA1HM102E   | 1000 50V                | [M]     |
| C6635    | ECA1HAK2R2XB | 2.2 50V                 | [M]     |
| C6751    | F1H1H103A219 | 0.01 50V                | [M]     |
| C6752    | F1H1H103A219 | 0.01 50V                | [M]     |
| C7203    | F2A0J221A200 | 220P 6.3V               | [M]     |
| C7231    | F2A0J221A200 | 220P 6.3V               | [M]     |
| C7232    | F2A0J221A200 | 220P 6.3V               | [M]     |
| C7614    | F2A0J101A198 | 100P 6.3V               | [M]     |