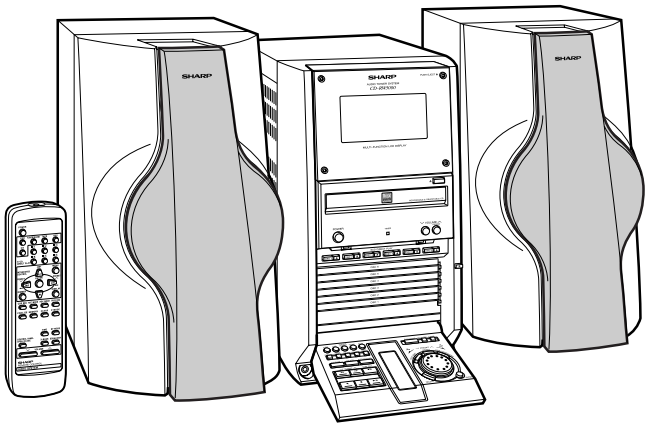
# SHARP SERVICE MANUAL

No. S9071CDRW5000



## AUDIO TOWER SYSTEM

# MODEL CD-RW5000

**CD-RW5000 Audio Tower System consisting of CD-RW5000 (main unit) and CP-RW5000 (speaker system).**

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.

## CONTENTS



SHARP CORPORATION

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

# IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

**BEFORE RETURNING THE AUDIO PRODUCT**

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

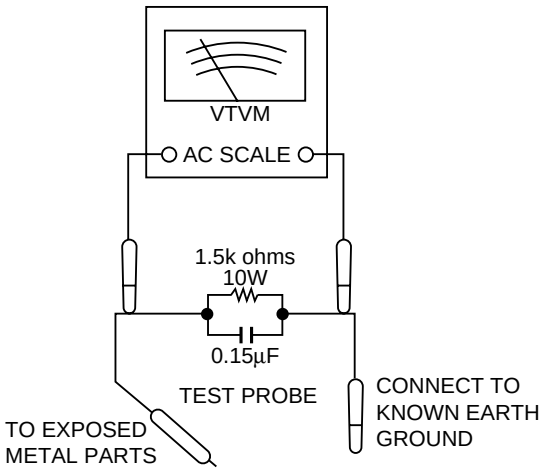
1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.

* Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.

* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).

* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.




All tests must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

# SPECIFICATIONS

**CD-RW5000**

## ■ General

| | |
|---|---|
| **Power source** | AC 120 V, 60 Hz |
| **Power consumption** | 200 W |
| **Dimensions** | Width: 7-7/8" (200 mm)<br>Height: 13-7/8" (352 mm)<br>Depth: 14-7/8" (377 mm) |
| **Weight** | 23.8 lbs (10.8 kg) |

## ■ Amplifier

| | |
|---|---|
| **Output power** | 100 watts minimum RMS into 6 ohms from 60 Hz to 20 kHz, 10 % total harmonic distortion<br><br>Subwoofer : 60 W/ch<br>(60 Hz - 200 Hz, 6 ohms, 10 % T.H.D.)<br>Main : 40 W/ch<br>(200 Hz - 20 kHz, 6 ohms, 10 % T.H.D.) |
| **Output terminals** | Speakers: 6 ohms<br>Headphones: 16-50 ohms (recommended; 32 ohms)<br>Digital output (optical) |
| **Input terminals** | Auxiliary: 500 mV/47 kohms<br>Phono: 2.5 mV (1 kHz)<br>Digital input (optical) |

## ■ CD player

| | |
|---|---|
| **Type** | 6-disc multi-play compact disc changer player |
| **Signal readout** | Non-contact, 3-beam semiconductor laser pickup |
| **D/A converter** | 1-bit D/A converter |
| **Frequency response** | 20 - 20,000 Hz |
| **Dynamic range** | 90 dB (1 kHz) |

## ■ Cassette deck

| | |
|---|---|
| **Frequency response** | 50-14,000 Hz (Normal tape) |
| **Signal/noise ratio** | 50 dB (recording/playback) |
| **Wow and flutter** | 0.3 % (WRMS) |

## ■ Tuner

| | |
|---|---|
| **Frequency range** | FM: 87.5-108.0 MHz<br>AM: 530-1,720 kHz |

## ■ CD-R

| | |
|---|---|
| **Type** | 1-disc compact disc recorder/player |
| **Signal readout** | Non-contact, 3-beam semiconductor laser pickup |
| **Rotational speed** | 200-500 rpm CLV |
| **Error correction** | CIRC (Cross Interleave Reed-Solomon Code) |
| **Quantization** | 16-bit linear |
| **Filter** | 64 fs digital interpolation filter |
| **Frequency response** | 20 - 20,000 Hz |
| **D/A converter** | 1-bit D/A converter |
| **Dynamic range** | 90 dB (1 kHz) playback<br>84 dB (1 kHz) recording |

**CP-RW5000**

| | |
|---|---|
| **Type** | 3-way type speaker system<br>2" (5 cm) Tweeter<br>5-1/4" (13 cm) Woofer<br>5-1/4" (13 cm) Subwoofer |
| **Maximum input power (Total)** | 200 W |
| **Rated input power (Total)** | 100 W |
| **Impedance** | 6 ohms |
| **Dimensions** | Width: 8-1/4" (210 mm)<br>Height: 15-7/16" (392 mm)<br>Depth: 13-9/16" (345 mm) |
| **Weight** | 11.2 lbs. (5.1 kg)/each |

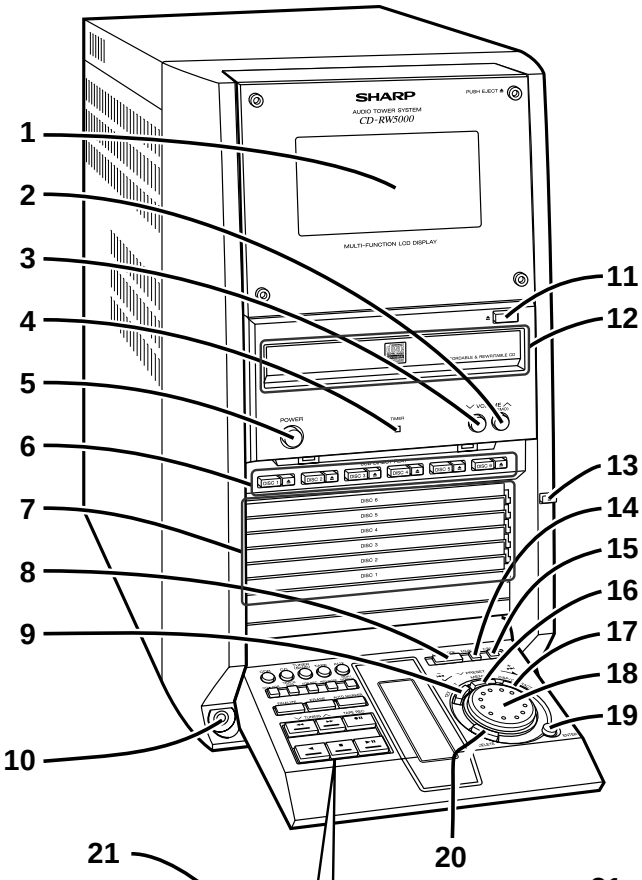
Specifications for this model are subject to change without prior notice.

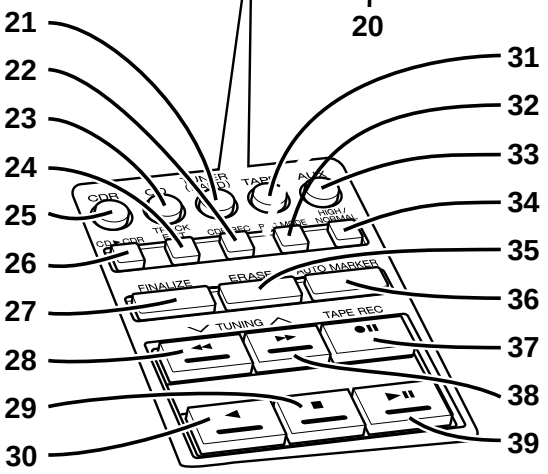
# NAMES OF PARTS

**CD-RW5000**

## ■ Front panel

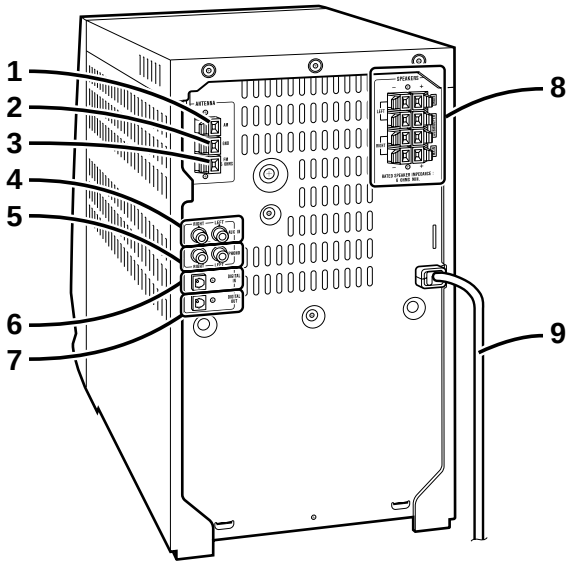
1. Cassette Compartment
2. Volume Up/Demo Button
3. Volume Down Button
4. Timer Set Indicator
5. Power Button
6. CD Direct Play Buttons (with Indicator)/ CD Tray Eject Buttons
7. CD Trays
8. CD/CD-R/CD-RW Play Mode Select Button
9. CD-R/CD-RW Text Edit Button
10. Headphone Jack
11. CD-R/CD-RW Tray Eject Button
12. CD-R/CD-RW Tray
13. Control Panel Open/Close Button
14. Equalizer Mode Select Button
15. Extra Bass Button
16. Menu Button
17. Display/Character Button
18. Jog Dial
19. Enter Button
20. Delete Button
21. Tuner (Band) Button
22. CD-R/CD-RW Record Button
23. CD Button
24. CD Track Edit Button
25. CD-R Button
26. CD ▶ CD-R One Touch Edit Button
27. CD-R/CD-RW Finalize Button
28. CD/CD-R/CD-RW Fast Reverse, Tape Fast Wind or Tuning Down Button (with Indicator)
29. Stop Button (with Indicator)
30. Tape Reverse Play Button (with Indicator)
31. Tape Button
32. CD-R/CD-RW Record Mode Button
33. Auxiliary Button
34. CD-R/CD-RW Record Speed Select Button
35. Erase Button
36. CD-R/CD-RW Auto Mark Button
37. Tape Record Pause Button
38. CD/CD-R/CD-RW Fast Forward, Tape Fast Wind or Tuning Up Button (with Indicator)
39. CD/CD-R/CD-RW Play or Pause/ Tape Forward Play Button (with Indicator)




## ■ Rear panel

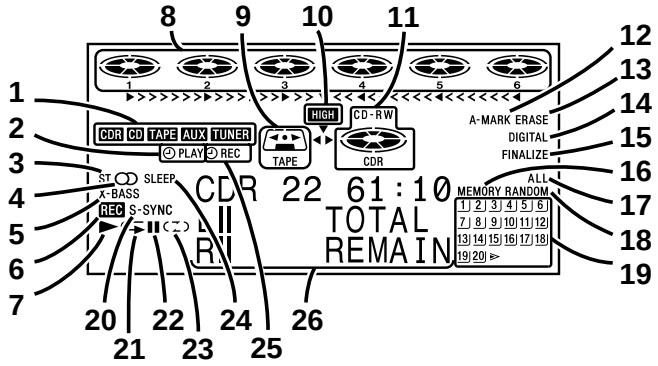
1. AM Loop Antenna Terminal
2. Antenna Ground Terminal
3. FM Antenna Terminal
4. Auxiliary Input Jacks
5. Phono Input Jacks
6. Digital Input Jack
7. Digital Output Jack
8. Speaker Terminals
9. AC Power Cord



**CD-RW5000**

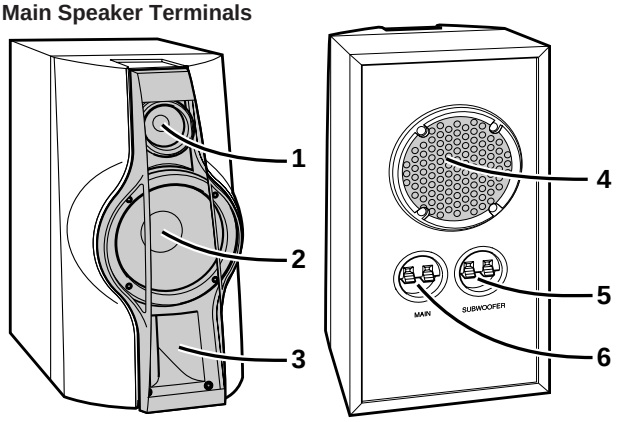
## ■ Multi-function LCD display

1. Function Indicator
2. Timer Play Indicator
3. FM Stereo Mode Indicator
4. FM Stereo Indicator
5. Extra Bass Indicator
6. Record Indicator
7. CD/CD-R/CD-RW Play Indicator
8. CD Indicators
9. Cassette Indicator
10. CD ► CD-R High Speed Record Indicator
11. CD-R/CD-RW Indicator
12. Auto Mark Indicator
13. Erase Indicator
14. Digital Source Indicator
15. Finalize Indicator
16. Memory Indicator
17. CD All Disc Play Indicator
18. Random Play Indicator
19. Music Schedule Indicator
20. Synchronized Recording Indicator
21. CD/CD-R/CD-RW Repeat Indicator
22. CD/CD-R/CD-RW Pause Indicator
23. Tape Reverse Mode Indicator
24. Sleep Indicator
25. Timer Recording Indicator
26. Character Information Display



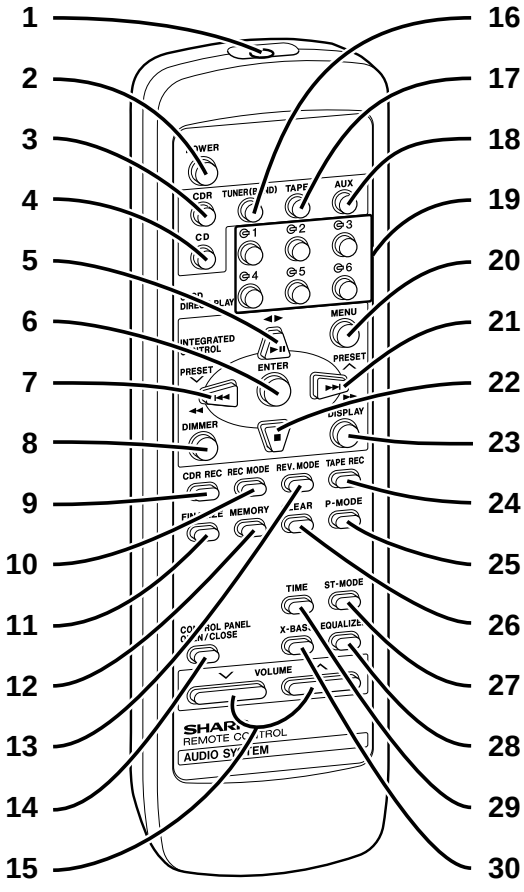

**CP-RW5000**

1. Tweeter
2. Woofer
3. Bass Reflex Duct
4. Subwoofer
5. Subwoofer Terminals
6. Main Speaker Terminals

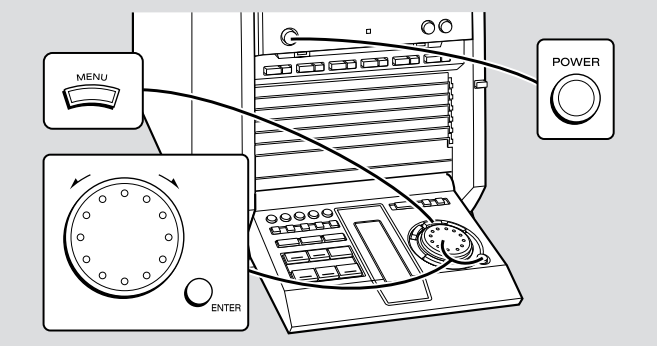



## ■ Remote control

1. Remote Control Transmitter
2. Power Button
3. CD-R Button
4. CD Button
5. CD/CD-R/CD-RW Play or Pause/Tape Play Button
6. Enter Button
7. CD/CD-R/CD-RW Fast Reverse, Tape Fast Wind or Preset Down Button
8. Dimmer Button
9. CD-R/CD-RW Record Button
10. CD-R/CD-RW Record Mode Button
11. CD-R/CD-RW Finalize Button
12. Memory Button
13. Tape Reverse Mode Select Button
14. Control Panel Open/Close Button
15. Volume Up or Down Buttons
16. Tuner (Band) Button
17. Tape Button
18. Auxiliary Button
19. CD Direct Play Buttons
20. Menu Button
21. CD/CD-R/CD-RW Fast Forward, Tape Fast Wind or Preset Up Button
22. Stop Button
23. Display Button
24. Tape Record Pause Button
25. CD/CD-R/CD-RW Play Mode Select Button
26. Clear Button
27. FM Stereo Mode Button
28. Equalizer Mode Select Button
29. Time Button
30. Extra Bass Button



# Setting the Clock

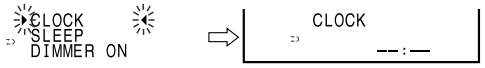



In this example, the clock is set for the 12-hour (AM12:00) display.

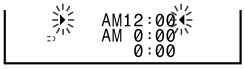
**1** **Press the POWER button to turn the power on.**

**2** **Press the MENU button.**

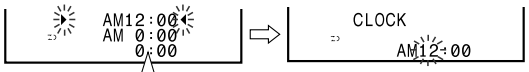
**3** **Turn the jog dial to select "CLOCK" and within 10 seconds, press the ENTER button.**




**4** **Within 2 minutes, press the ENTER button again.**

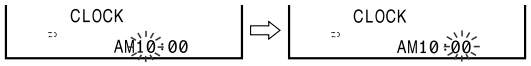



**5** **Turn the jog dial to select the 12-hour or 24-hour display and within 2 minutes, press the ENTER button.**



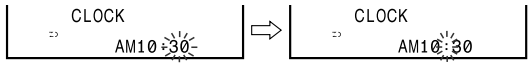

"AM 12:00" → The 12-hour display will appear. (AM 12:00 - PM 11:59)
"AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)
"0:00" → The 24-hour display will appear. (0:00 - 23:59)

**6** **Turn the jog dial to adjust the hour and within 2 minutes, press the ENTER button.**



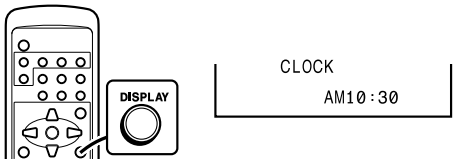

- When the 12-hour display is selected, "AM" will change automatically to "PM".

**7** **Turn the jog dial to adjust the minutes and within 2 minutes, press the ENTER button.**




- The hour will not advance even if minutes advance from "59" to "00".
- The clock starts from "0" second. (Seconds are not displayed.) The time display will disappear after a few seconds.

**To confirm the time display in the stand-by mode:**
Press the DISPLAY button on the remote control. The time display will appear for about 3 seconds.




**Note:**
"CLOCK" will appear or time will flash at the push of the DISPLAY button when the AC power supply is restored after a power failure or after unplugging the unit.
Reset the clock as follows.

**To reset the clock:**
Perform "Setting the Clock" from the beginning.
At this time, step 5 (for selecting the 12-hour or 24-hour display) will be skipped.

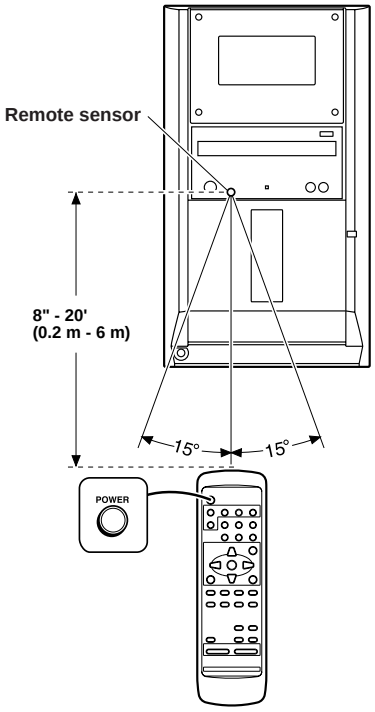
**To change the 12-hour or 24-hour display:**
1. Clear all the programmed contents.
   [Refer to "If trouble occurs (reset)" for details.]
2. Perform "Setting the Clock" from the beginning.

# Remote Control

## ■ Test of the remote control

Face the remote control directly to the remote sensor on the unit.

**The remote control can be used within the range shown below:**
Press the POWER button. Does the power turn on? Now, you can enjoy the music.



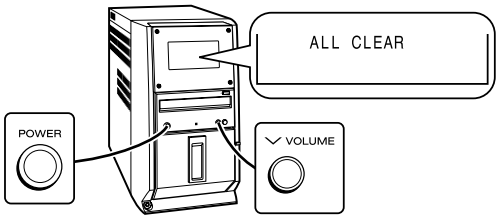

# Troubleshooting Chart

## ■ If trouble occurs (reset)

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

**If such a problem occurs, do the following:**

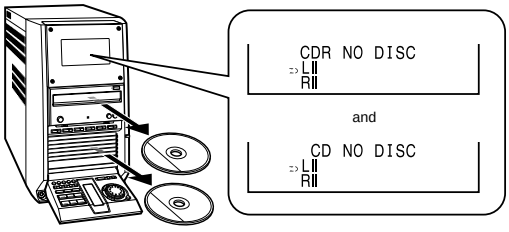
1. **Press the POWER button to enter the power stand-by mode.**
2. **While pressing down the VOLUME ∨ button, press the POWER button until "ALL CLEAR" appears.**




**Caution:**
This operation will erase all data stored in memory including clock and timer settings, and tuner and CD presets.

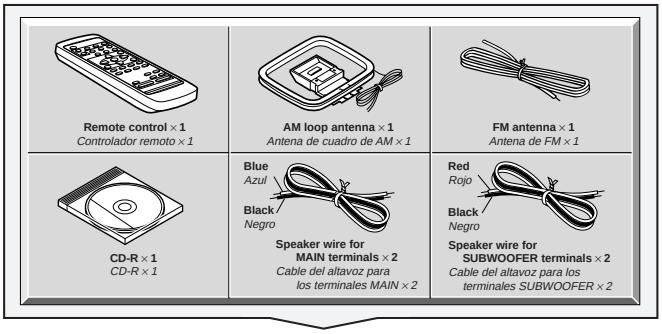
## ■ Before transporting the unit

Remove the CD-R/CD-RW disc and all CDs from the unit. Your unit checks whether there are any discs inside the unit when the tray is closed. "CDR NO DISC" and "CD NO DISC" appear if no disc is left. Then, set the unit to the power stand-by mode. Carrying the unit with discs left inside can damage it.



# CD-RW5000

## 1 Accessories
*Accesorios*

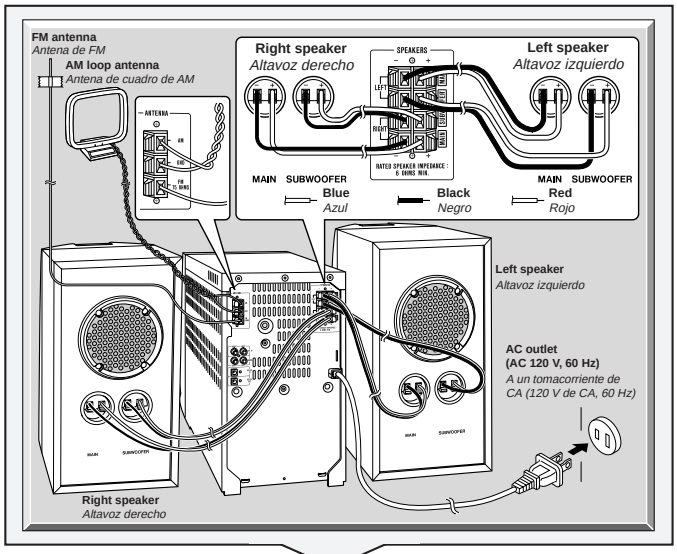



## 2 Battery Installation of the Remote Control
*Instalación de las pilas del controlador remoto*

**Use 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar).**
*Use dos pilas del tamaño"AA" (UM/SUM-3, R6, HP-7 o equivalentes).*

**Batteries are not included.**
*Las pilas no están incluidas.*

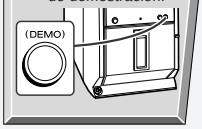

## 3 System Connections
*Conexiones del sistema*




## 4 Turning on Your System
*Conexión de la alimentación de su sistema*

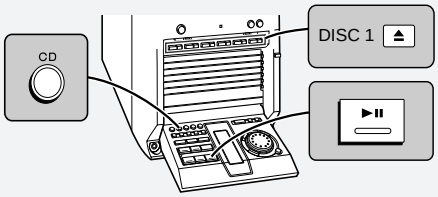
**The first time the unit is plugged, the unit will enter the demonstration mode. You will see words scroll.**
*Cuando se enchufe por primera vez el aparato, se establecerá en el modo de demostración. Verá un desplazamiento de palabras.*


**1 Press the DEMO button to cancel the demonstration mode.**
*Pulse el botón DEMO para cancelar el modo de demostración.*




**2 Press the POWER button to turn the power on.**
*Pulse el botón POWER para conectar la alimentación.*


## Listening to a CD (CDs)
*Audición de un disco CD (CDs)*




**1** CD

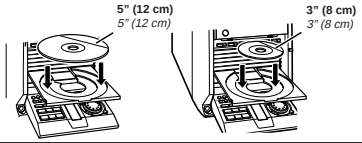
**Press the CD button.**
*Pulse el botón CD.*

**2** DISC 1 ⏏

**Press the DISC 1 ⏏ button to open the disc tray 1.**
*Pulse el botón DISC 1 ⏏ para abrir la bandeja del disco 1.*

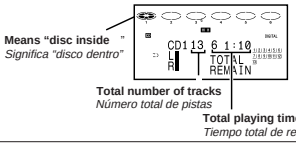
**3**

**Place the CD on the disc tray 1, label side up.**
*Coloque el disco compacto en la bandeja del disco 1, con el lado de la etiqueta hacia arriba.*




**4** DISC 1 ⏏

**Press the DISC 1 ⏏ button to close the disc tray 1.**
*Pulse el botón DISC 1 ⏏ para cerrar la bandeja del disco 1.*

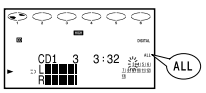



**5**

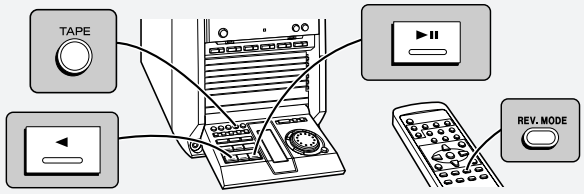
**You can place discs on the trays 2 - 6 by following the steps 2 - 4.**
*Podrá colocar discos en las bandejas 2 - 6 según los pasos 2 - 4.*

**6** ►II

**Press the ►II button to start playback.**
*Pulse el botón ►II para iniciar la reproducción.*




## Listening to a Cassette Tape
*Audición de una cinta cassette*

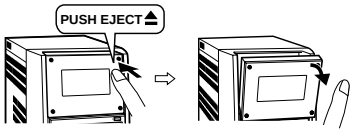



**1** TAPE

**Press the TAPE button.**
*Pulse el botón TAPE.*

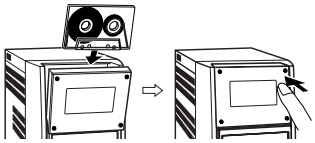
**2**

**Open the cassette door by pushing the area marked "PUSH EJECT ⏏".**
*Abra la puerta del cassette pulsando la parte marcada "PUSH EJECT ⏏".*




**3**

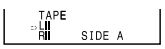
**Load the cassette into the compartment with side A facing you.**
*Cargue el cassette en el compartimiento con la cara A encarada hacia usted.*



**4** REV. MODE

**Press the REV. MODE button to choose one side or both side.**
*Pulse el botón REV. MODE para seleccionar una cara o ambas caras.*

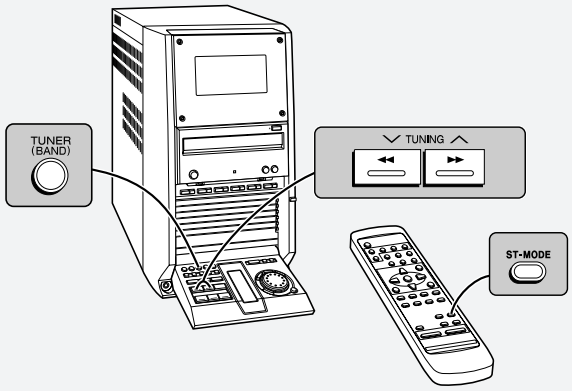
- ⇄ ... **To listen to both sides.** *Para escuchar ambas caras.*
- (⇄) ... **For endless repeat play of both sides.** *Para repetir indefinidamente ambas caras.*
- ⇄ ... **To listen to one side.** *Para escuchar una cara.*




**5** ◄ ►II

**Press the ►II button to listen to side A, or the ◄ button for side B.**
*Pulse el botón ►II para escuchar la cara A, o el botón ◄ para la cara B.*

## Listening to the Radio
*Audición de la radio*




**1** TUNER (BAND)

**Press the TUNER (BAND) button to select the desired frequency band (FM or AM).**

*Pulse el botón TUNER (BAND) para seleccionar la banda de frecuencia deseada (FM o AM).*

**2** TUNING

**Press the TUNING (◡ or ◠) button to tune into the desired station.**

- **When the TUNING button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.**

*Pulse el botón TUNING (◡ o ◠) para sintonizar la emisora deseada.*

- *Cuando se pulse el botón TUNING durante más de 0,5 segundos, la exploración se iniciará automáticamente y el sintonizador se parará en la primera emisora difusora que pueda recibirse.*

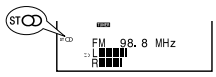
**3** ST-MODE

**To receive an FM stereo transmission, press the ST-MODE button on the remote control. The "ST" indicator lights up.**

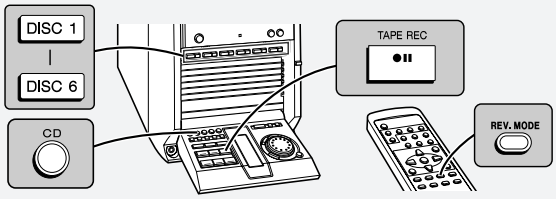
- **"ST" will appear when an FM broadcast is in stereo.**

*Para recibir la transmisión de FM en estéreo, pulse el botón ST-MODE del controlador remoto. Se enciende el indicador "ST".*

- *"ST" aparecerá cuando una difusión de FM sea en estéreo.*




## Recording to a Cassette Tape
*Grabación en una cinta cassette*




**1** CD

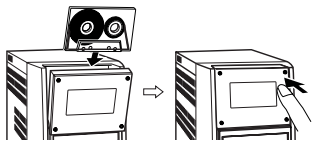
**Press the CD button and load the desired disc.**

*Pulse el botón CD y cargue el disco deseado.*

**2**

**Load a cassette into the compartment with side A facing you.**

*Cargue un cassette en el compartimiento con la cara A encarada hacia usted.*

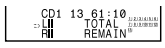


**3** REV. MODE

**Press the REV. MODE button to choose one side or both side.**

*Pulse el botón REV. MODE para seleccionar de una cara o ambas caras.*

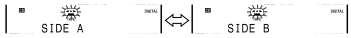
⇄ ... **To record on both sides.** *Para grabar en ambas caras.*
⇄ ... **To record on only one side.** *Para grabar sólo en una cara.*




**4** TAPE REC

**Press the TAPE REC button repeatedly to switch to the side you record on.**

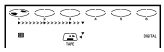
*Pulse repetidamente el botón TAPE REC para cambiar a la cara que grabe.*




**5** DISC 1 / DISC 6

**Press one of the DISC 1 - DISC 6 buttons to start recording.**

*Pulse uno de los botones DISC-1 a DISC 6 para iniciar la grabación.*



## What is CD-R or CD-RW?
*¿Qué es CD-R o CD-RW?*

### ■ Playable discs
*Discos que pueden reproducirse*

**This player is compatible with CD-R discs, CD-RW discs, and audio CDs with either mark below.**
*Este reproductor es compatible con discos CD-R, discos CD-RW, y discos compactos de audio con cualquiera de las dos marcas de abajo.*

COMPACT disc DIGITAL AUDIO Recordable

**CD-R: Compact Disc-Recordable**
*CD-R: Disco compacto grabable*

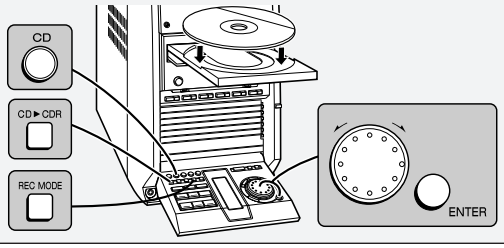
COMPACT disc DIGITAL AUDIO ReWritable

**CD-RW: Compact Disc-ReWritable**
*CD-RW: Disco compacto regrabable*

### ■ Differences between the CD-R disc and the CD-RW disc
*Diferencias entre el disco CD-R y el disco CD-RW*

| | CD-R | CD-RW |
|---|---|---|
| **Playback** *Reproducción* | **Can be played on a standard CD player when it is finalized after recording.** *Se puede reproducir en un reproductor de CD estándar cuando se finaliza después de la grabación.* | **Cannot be played on a standard CD player. If it is finalized after recording, it can be played only on a CD-RW compatible player.** *No se puede reproducir en un reproductor de CD estándar. Si se finaliza después de la grabación, se puede reproducir sólo en un reproductor compatible con discos CD-RW.* |
| **Erasing** *Borrado* | **Erasing is impossible.** *El borrado es imposible.* | **Recorded tracks can be deleted. A finalized disc can be restored.** *Se pueden borrar pistas grabadas. Se puede restaurar un disco finalizado.* |

## Recording to a CD-R or a CD-RW
*Grabación en un CD-R o en un CD-RW*




**1** CD

**Press the CD button and load the desired CD(s).**

*Pulse el botón CD y cargue el disco deseado (los discos deseados).*

**2**

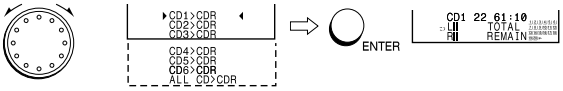
**Load the CD-R or CD-RW disc.**

*Cargue el disco CD-R o CD-RW.*

**3** REC MODE

**Press the REC MODE button and select the desired CD using the jog dial. Within 10 seconds, press the ENTER button.**

*Pulse el botón REC MODE y seleccione el disco compacto deseado empleando el mando de lanzadera. Antes de transcurrir 10 segundos, pulse el botón ENTER.*

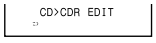



**In steps 4 - 6, operate within 5 seconds. Otherwise, the system will go to the next step automatically.**
*En los pasos 4 – 6, opere antes de 5 segundos. De lo contrario, el sistema pasará al paso siguiente automáticamente.*

**4** CD►CDR

**Press the CD ▶CDR button.**

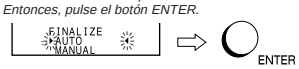
*Pulse el botón CD ▶CDR.*




**5**

**Select "AUTO" using the jog dial to finalize the disc. Then press the ENTER button.**

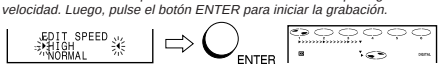
*Seleccione "AUTO" empleando el mando de lanzadera para finalizar el disco. Entonces, pulse el botón ENTER.*




**6**

**Select "HIGH" using the jog dial to record at high speed. Then press the ENTER button to start recording.**

*Seleccione "HIGH" empleando el mando de lanzadera para grabar a alta velocidad. Luego, pulse el botón ENTER para iniciar la grabación.*



# DISASSEMBLY

**Caution on Disassembly**

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

**CD-RW5000**

| STEP | REMOVAL | PROCEDURE | FIGURE |
|---|---|---|---|
| 1 | Top Cabinet | 1. Screw ..... (A1) x5 | 8-1 |
| 2 | Side Panel(Left/Right) | 1. Screw ..... (B1) x8 | 8-1 |
| 3 | Rear Panel | 1. Screw ..... (C1) x3<br>2. Screw ..... (C2) x10 | 8-2 |
| 4 | Front Panel | 1. Flat Cable ..... (D1) x1<br>2. Screw ..... (D2) x4<br>3. Socket ..... (D3) x6 | 8-2 |
| 5 | Sub Trans PWB | 1. Screw ..... (E1) x3<br>2. Socket ..... (E2) x5 | 8-2 |
| 6 | Main PWB | 1. Flat Cable ..... (F1) x1<br>2. Screw ..... (F2) x2<br>3. Screw ..... (F3) x1<br>4. Socket ..... (F4) x3<br>5. Flat Cable ..... (F5) x2 | 8-2 |
| 7 | CD-R Unit | 1. Socket ..... (G1) x1<br>2. Screw ..... (G2) x4 | 9-1 |
| 8 | Power PWB/<br>Speaker PWB | 1. Socket ..... (H1) x1<br>2. Screw ..... (H2) x2 | 9-1 |
| 9 | Tape Mechanism | 1. Open the cassette holder<br>2. Screw ..... (J1) x4 | 9-2 |
| 10 | CD Switch PWB/<br>CD-R PWB | 1. Socket ..... (K1) x1<br>2. Screw ..... (K2) x7<br>3. Hook ..... (K3) x2 | 9-2 |
| 11 | Switch PWB | 1. Screw ..... (L1) x1 | 9-2 |
| 12 | Headphones PWB | 1. Screw ..... (M1) x1<br>2. Bracket ..... (M2) x1 | 9-2 |
| 13 | CD Changer door panel/<br>Control Panel | 1. Screw ..... (P1) x3<br>2. Screw ..... (P2) x2 | 9-2 |
| 14 | Motor PWB | 1. Solder ..... (Q1) x2 | 9-2 |
| 15 | CD Changer door panel | 1. Screw ..... (R1) x4 | 9-3 |
| 16 | Control Panel | 1. Screw ..... (S1) x6 | 9-3 |
| 17 | Control PWB | 1. Screw ..... (T1) x5<br>2. Socket ..... (T2) x1 | 9-4 |
| 18 | Jog PWB | 1. Screw ..... (U1) x5 | 9-4 |
| 19 | LED B PWB | 1. Screw ..... (V1) x3 | 9-4 |
| 20 | Cassette holder Cover | 1. Open the cassette holder Cover<br>2. Screw ..... (W1) x4<br>3. Display Panel .... (W2) x1<br>4. Hook ..... (W3) x4 | 9-5 |
| 21 | Display PWB/<br>LED A PWB | 1. Screw ..... (X1) x4<br>2. Hook ..... (X2) x2 | 9-6 |

**CD-RW5000**

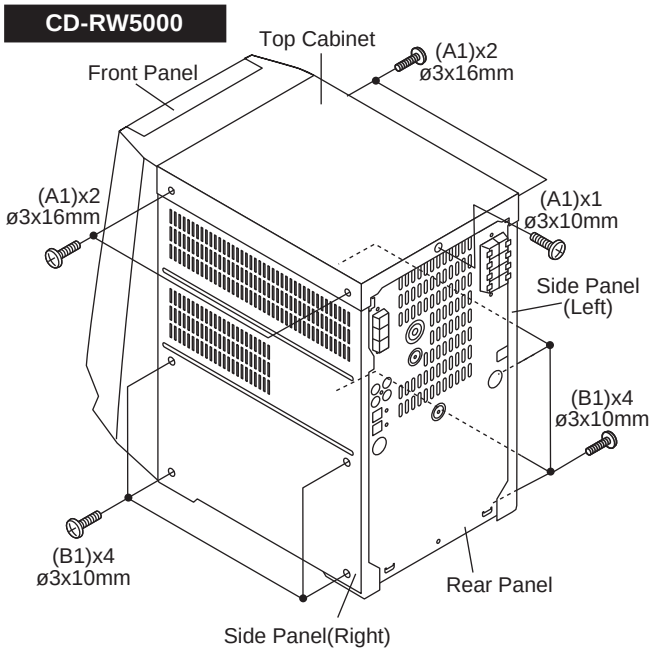



**Figure 8-1**

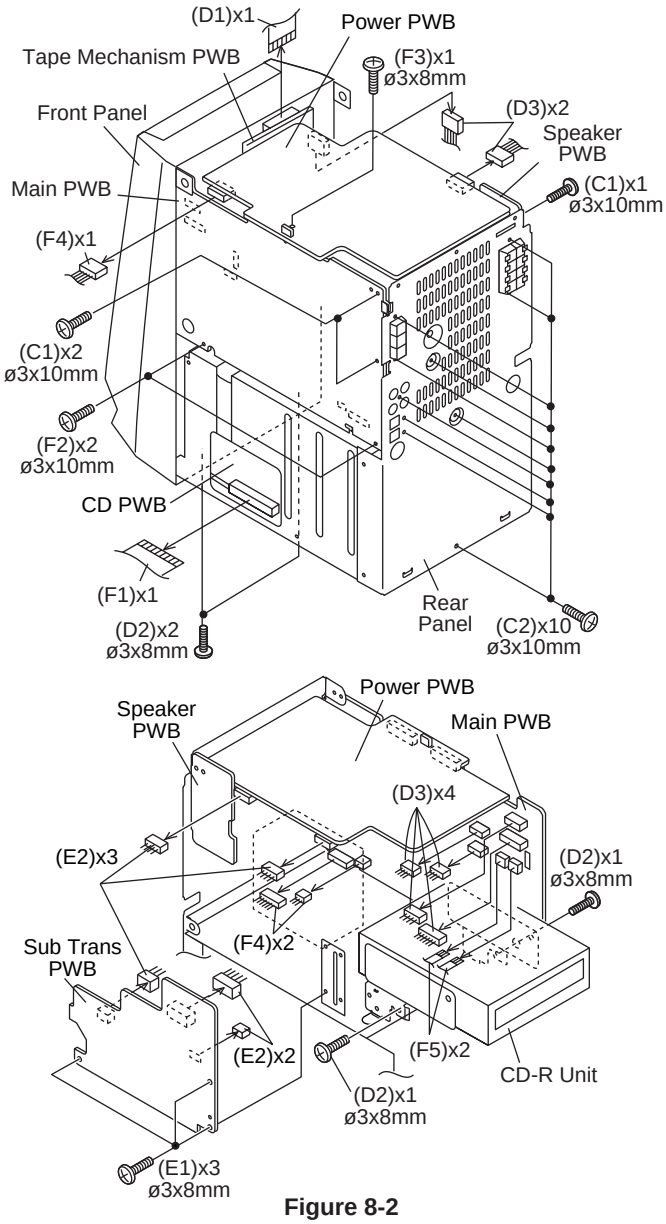



**Figure 8-2**

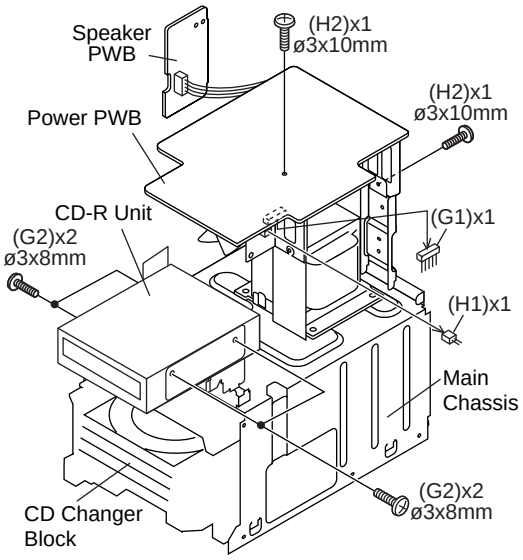



**Figure 9-1**

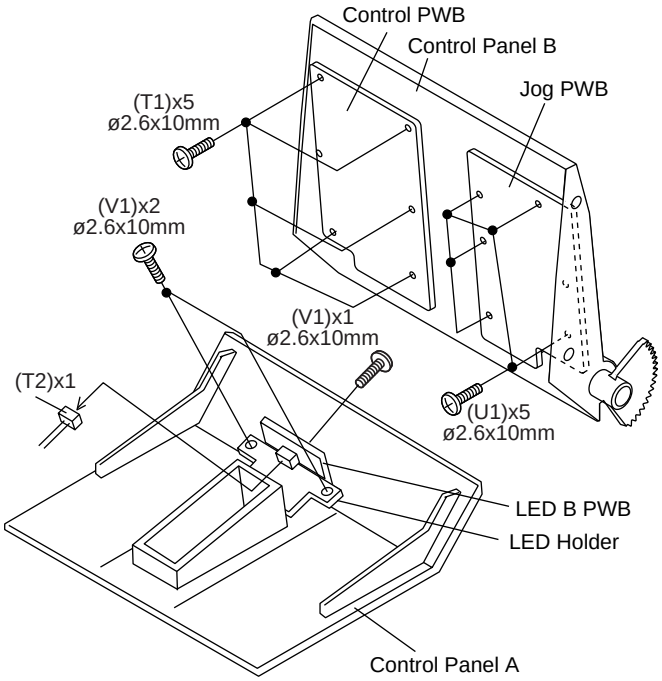



**Figure 9-4**

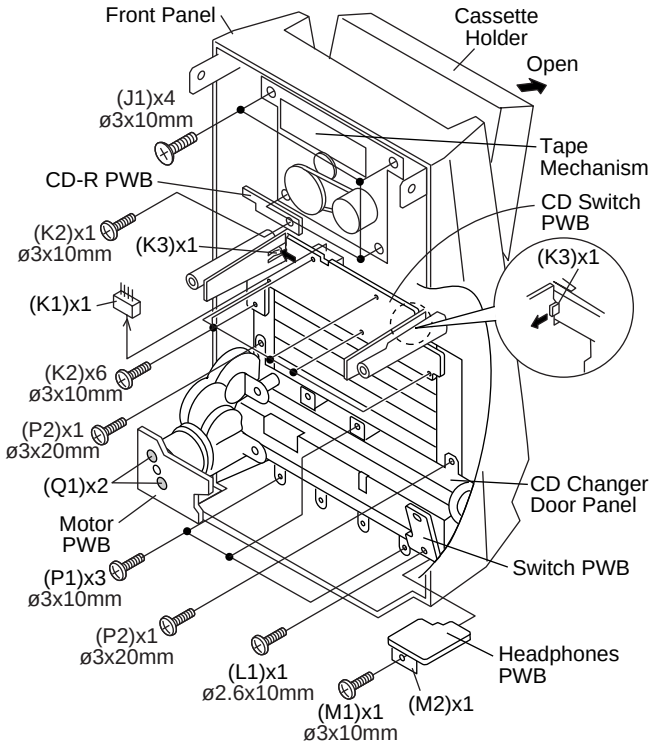



**Figure 9-2**

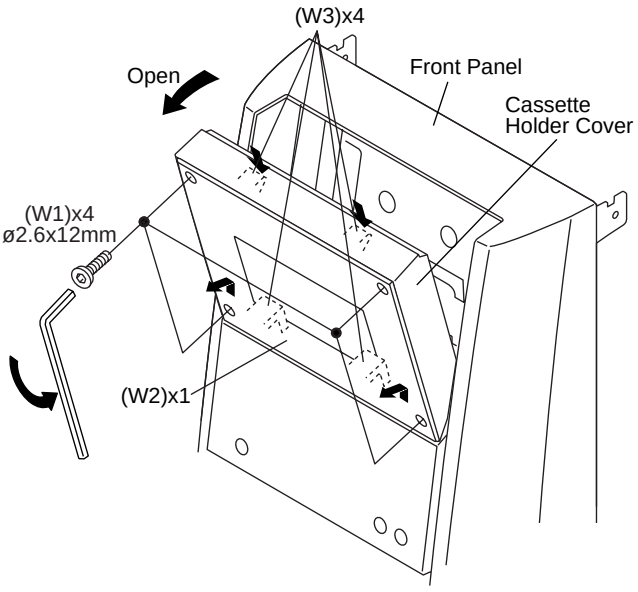



**Figure 9-5**

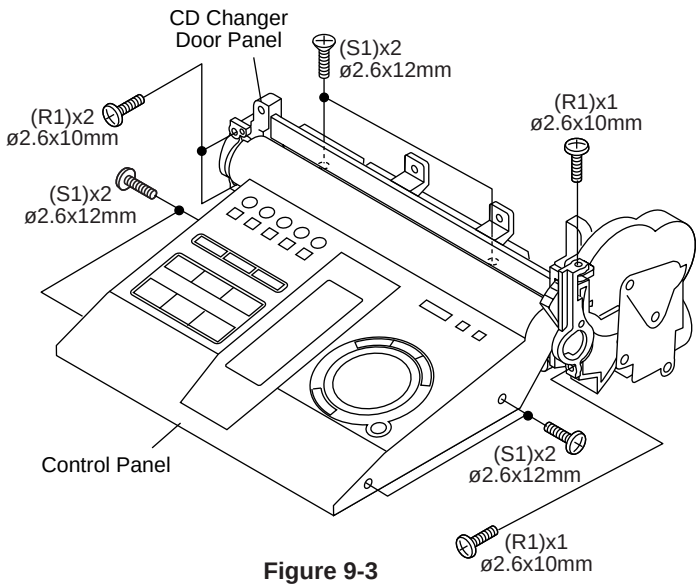



**Figure 9-3**

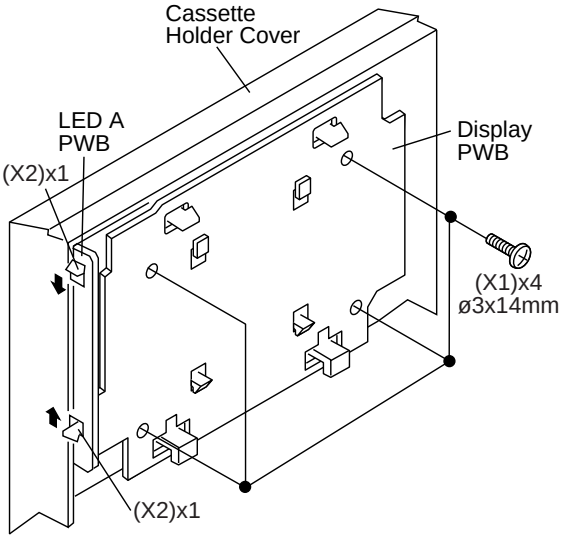



**Figure 9-6**

## CD-RW5000

| CD-RW5000 (CD CHANGER MECHANISM UNIT) | | | |
|---|---|---|---|
| STEP | REMOVAL | PROCEDURE | FIGURE |
| 1 | Top Cabinet | 1. Screw ..... (A1) x5 | 8-1 |
| 2 | Side Panel(Left/Right) | 1. Screw ..... (B1) x8 | 8-1 |
| 3 | Rear Panel | 1. Screw ..... (C1) x3<br>2. Screw ..... (C2) x10 | 8-2 |
| 4 | Front Panel | 1. Flat Cable ..... (D1) x1<br>2. Screw ..... (D2) x4<br>3. Socket ..... (D3) x6 | 8-2 |
| 5 | CD Changer Mechanism | 1. Flat Cable ..... (Y1) x1<br>2. Screw ..... (Y2) x2<br>3. Screw ..... (Y3) x5 | 10-1 |
| 6 | CD PWB (Note) | 1. Screw ..... (Z1) x4<br>2. Socket ..... (Z2) x4<br>3. Flat Wire ..... (Z3) x2 | 10-2 |
| 7 | CD Mechanism | 1. Screw ..... (ZZ1) x4 | 10-2 |

**Note:**
After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of connector remove to protect the optical pickup from electrostatic damage.

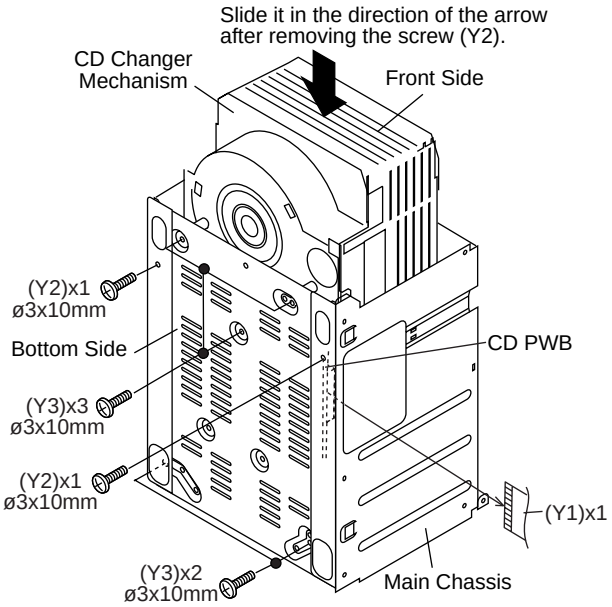



**Figure 10-1**

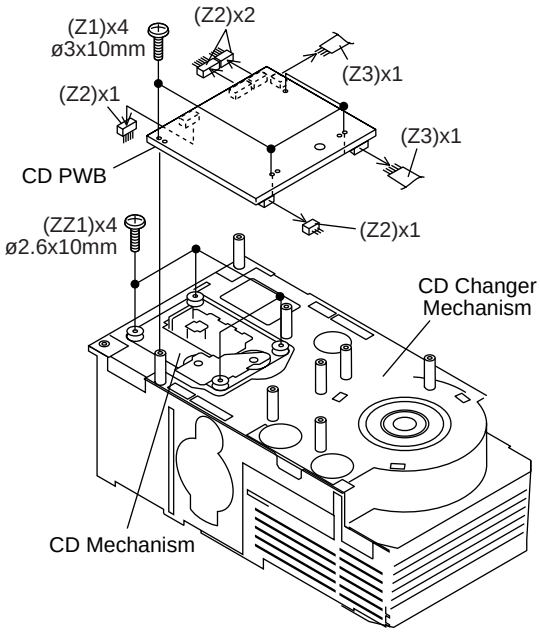



**Figure 10-2**

| CP-RW5000 | | | |
|---|---|---|---|
| STEP | REMOVAL | PROCEDURE | FIGURE |
| 1 | Woofer/Tweeter/ Sub Woofer | 1. Net ..... (A1) x1<br>2. Front Panel ..... (A2) x1<br>3. Screw ..... (A3) x4<br>4. Ring ..... (A4) x1<br>5. Catching holder (A5) x2<br>6. Screw ..... (A6) x2<br>7. Cover ..... (A7) x1<br>8. Screw ..... (A8) x2<br>9. Screw ..... (A9) x4<br>10. Cover ..... (A10) x10 | 10-3<br><br>10-4<br><br><br><br><br><br>10-5 |

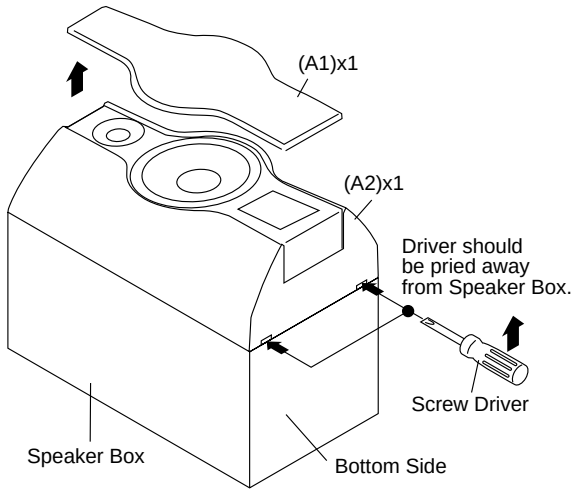



**Figure 10-3**

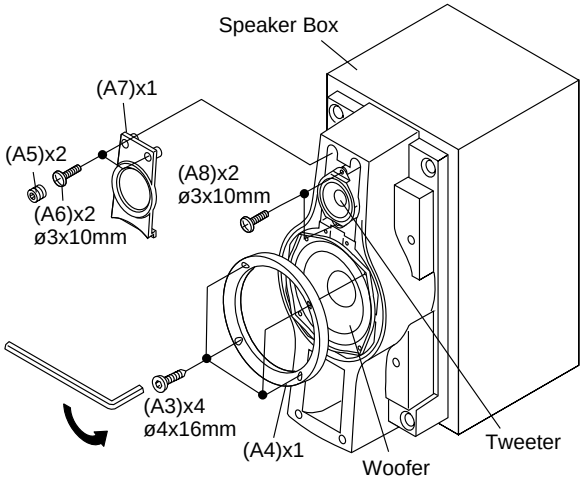



**Figure 10-4**

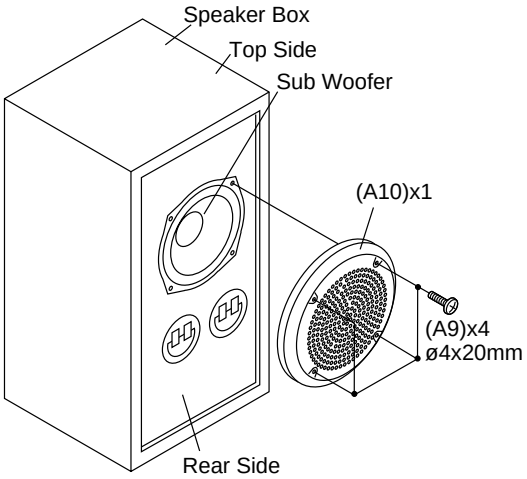



**Figure 10-5**

# REMOVING AND REINSTALLING THE MAIN PARTS

## TAPE MECHANISM SECTION

Perform steps 1 to 4 and 8 of the disassembly method to remove the tape mechanism.

### How to remove the record/playback and erase heads (See Fig. 11-1)

1. When you remove the screws (A1) x 2 pcs., the recording/ playback head and three-dimensional head of the erasing head can be removesd.

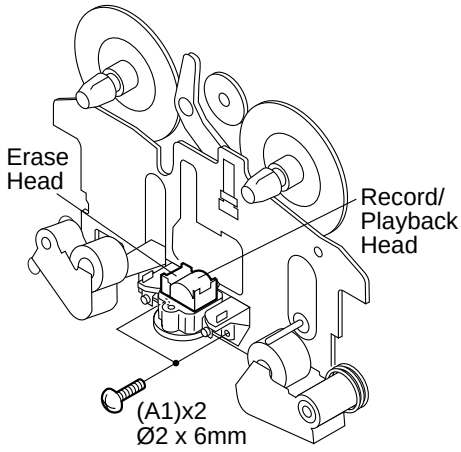



**Figure 11-1**

### How to remove the pinch roller (Left/Right) (See Fig. 11-2)

1. Carefully bend the pinch roller pawl in the direction of the arrow **<A>**, and remove the pinch roller (B1) x1 pc., in the direction of the arrow **<B>**.

**Note:**
When installing the pinch roller, pay attention to the spring mounting position.

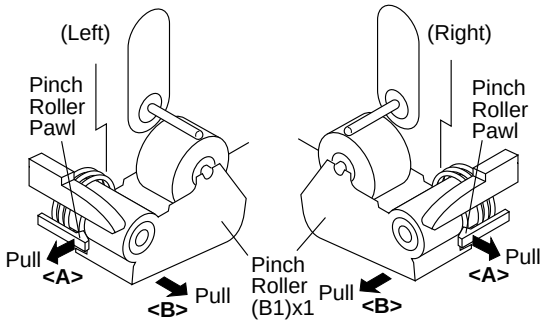



**Figure 11-2**

### How to remove the belt (See Fig. 11-3)

1. Remove the motor.
2. Remove the main belt (C1) x 1 pc., from the motor side.
3. Remove the FF/REW belt (C2) x 1 pc.

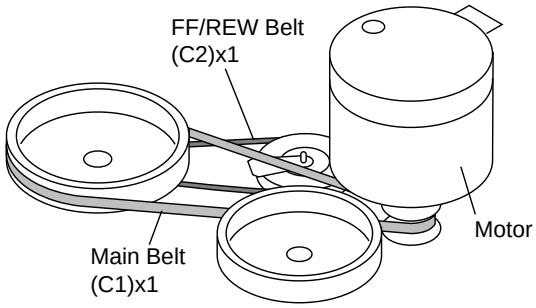



**Figure 11-3**

### How to remove the motor (See Fig. 11-4)

1. Remove the belt.
2. Remove the screws (D1) x 2 pcs., to remove the motor.

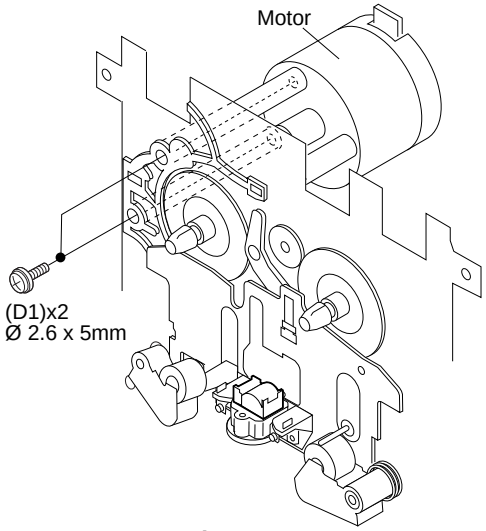



**Figure 11-4**

## FRONT PANEL SECTION

Perform steps 1 to 4 of the disassembly method to remove the front panel.

### How to remove the control panel motor (See Fig. 12-1)

1. Remove the control panel.
2. Remove the screws (E1) x 6 pcs., to remove the CD changer door panel.
3. Remove the screws (F1) x 2 pcs., to remove the control panel motor.

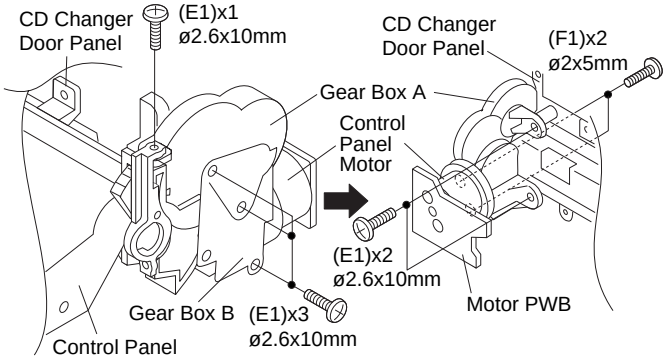



**Figure 12-1**

## CD MECHANISM SECTION

Perform steps 1 to 7 of the disassembly method to remove the CD mechanism. (See page 10.)

### How to Remove the pickup (See Fig. 12-2.)

1. Remove the screws (A1)x 2 pcs., to remove shaft (A2)x 1 pc.
2. Remove stop washer (A3)x 1 pc., to remove gear (A4)x 1 pc.
3. Remove the pickup.

**Note:**
After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of connector remove to protect the optical pickup from electrostatic damage.

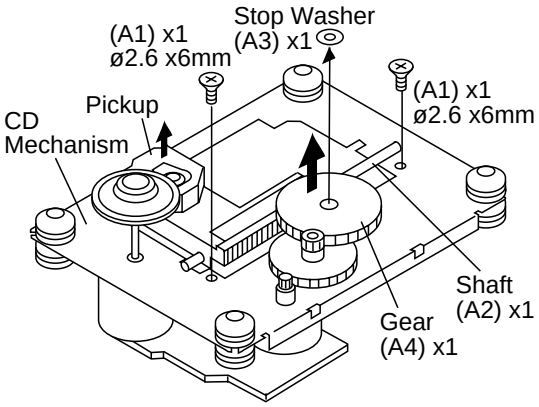



**Figure 12-2**

## CD CHANGER MECHANISM SECTION

Perform steps 1 to 5 of the disassembly method to remove the CD changer mechanism. (See page 10.)

### How to Remove the tray motor/main cam motor (See Fig. 12-3.)

1. Remove the screws (B1)x 4 pcs., to remove the CD PWB.
2. Remove the (1)front top plate, (2)changer box, left/right and (3)disc trays 1~6. After that, disassemble as shown in the figure.
3. Remove the screws (B2)x 4 pcs.
4. Remove the tray motor and main cam motor.

**Note:**
The parts of (1), (2) and (3) correspond to the drawing Nos. 117, 102, 103 and 108 to 113 of the CD change mechanism disassembly drawing.
Remove the screws of 117, 102 and 103, and the parts of (1), (2) and (3) will be ready for removal and the screws of the tray motor and main cam motor will be visible.

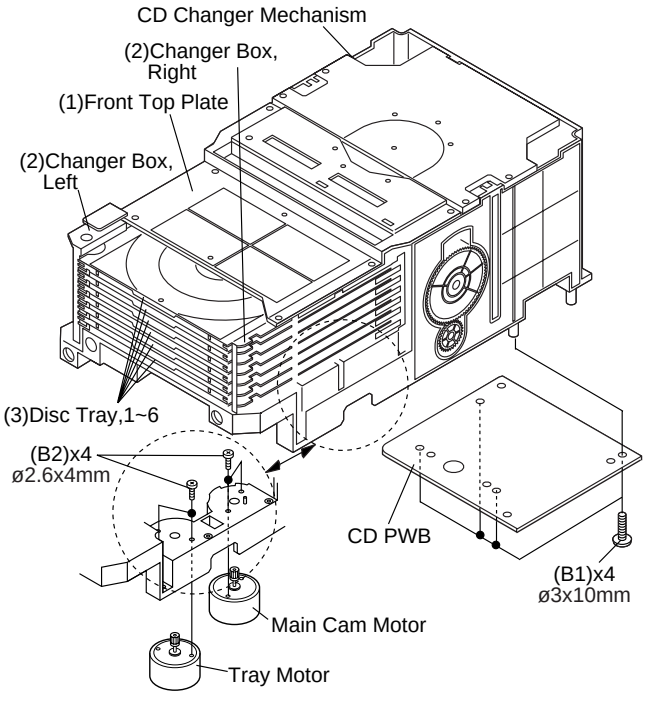



**Figure 12-3**

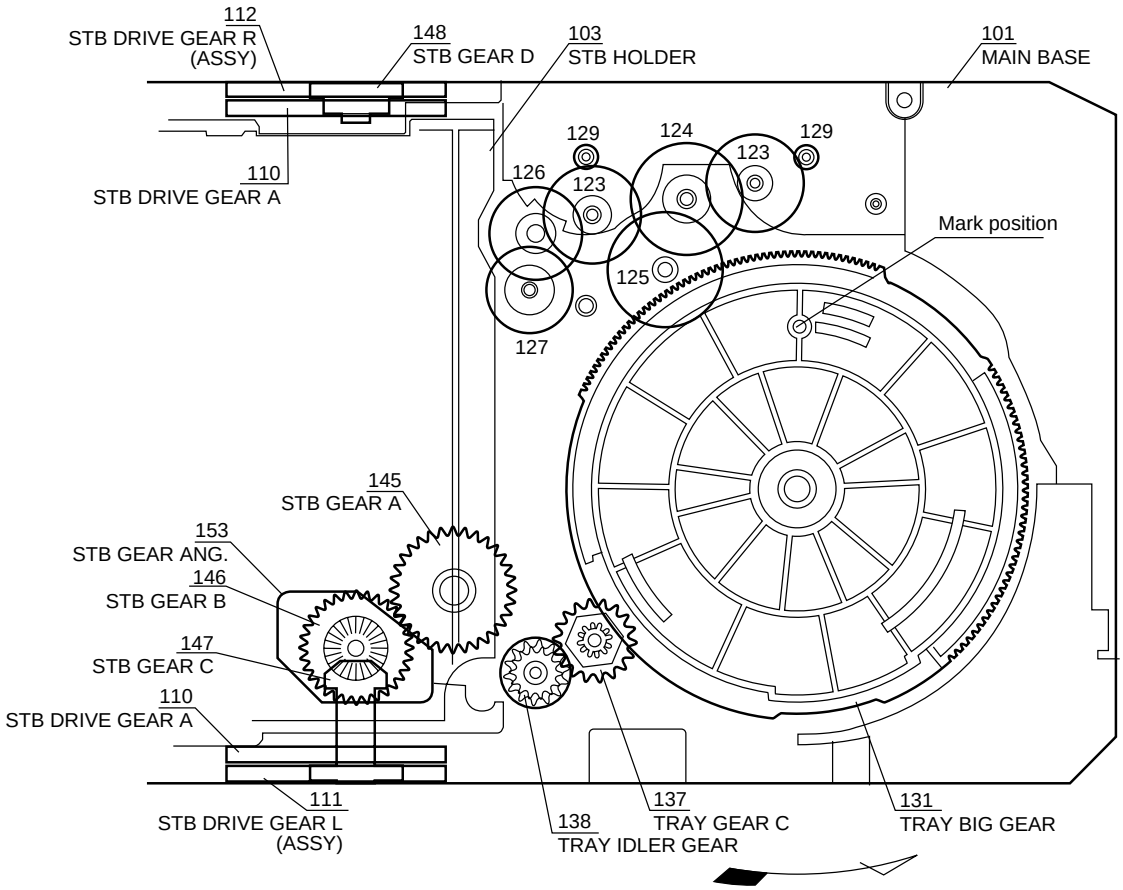
# CD CHANGER MECHANISM MAIN BASE PARTS ASSEMBLING/ADJUSTING PROCEDURE

| Work content | Applied part No. | Assembly fig. No. | Remarks |
|---|---|---|---|
| 1. Motor assembly (x 2) mounting (screw x 4) | 101/129 | Fig.14 | |
| 2. MT idle gear mounting (screw x 1) | 125 | Fig.14 | |
| 3. MT system gear assembly | 123/124/126/127 | Fig.14 | |
| 4. STB/tray drive system gear and others assembling/ mounting (screw x 3) | 137/138/145/146 (153)/147/148 | Fig.14 | |
| 5. Tray big gear assembly | 131 | Fig.14 | Gear positioning |
| 6. T.M SW PWB mounting (screw x 3) | | Fig.15 | |
| 7. STB holder assembling | 103 | Fig.14 | |
| 8. STB drive gear L/R assembly mounting (screw x 2) | 111 (110)/112 (110) | Fig.14 | |
| 9. Tray joint gear R/tray drive gear R assembling | 134/136 | Fig.15 | Gear positioning |
| 10. Tray gear A/B assembling | 132/133 | Fig.15 | Gear positioning |
| 11. Lift gear B/C assembling | 143/144 | Fig.16 | Gear positioning |
| 12. MT idler gear F assembling, mode big gear mounting (screw x 1) | 128/142 | Fig.16 | |
| 13. Change box R mounting (screw x 4) | 104 | Fig.16 | |
| 14. Lift gear A assembling | 142 | Fig.16 | Gear positioning |
| 15. Change box L assembly mounting (screw x 4) | 102/130/135 | Fig.17 | |
| 16. Lift cam assembling (shaft inserting) | 144 | Fig.17 | Gear positioning |
| 17. STB holder height adjusting | | Fig.18 | Check/adjustment |
| 18. Top plate F/disc OB LEV. mounting (screw x 6) | 180 | Fig.18 | |
| 19. Trays 1 - 6 assembling | 191/192/193/194/195/196 | Fig.19 | |
| 20. Top plate R mounting (screw x 6) | | - | |

## CD CHANGER MECHANISM PARTS LIST

| No. | Part name |
|---|---|
| 101 | MAIN BASE |
| 102 | CHANGE BOX L |
| 103 | STB HOLDER |
| 104 | CHANGE BOX R |
| | |
| 110 | STB DRIVE GEAR A |
| 111 | STB DRIVE GEAR L |
| 112 | STB DRIVE GEAR R |
| 120 | STABILIZER FH |
| | |
| 123 | MT IDLER GEAR A |
| 124 | MT IDLER GEAR B |
| 125 | MT IDLER GEAR C |
| 126 | MT IDLER GEAR D |
| 127 | MT IDLER GEAR E |
| 128 | MT IDLER GEAR F |
| 129 | MOTOR GEAR |
| 130 | TRAY DRIVE GEAR F |
| 131 | TRAY BIG GEAR |
| 132 | TRAY GEAR A |
| 133 | TRAY GEAR B |
| 134 | TRAY DRIVE GEAR R |
| 135 | TRAY JOINT GEAR F |
| 136 | TRAY JOINT GEAR R |
| 137 | TRAY GEAR C |
| 138 | TRAY IDLER GEAR |

| No. | Part name |
|---|---|
| 140 | LIFT CAM |
| 141 | MODE BIG GEAR |
| 142 | LIFT GEAR A |
| 143 | LIFT GEAR B |
| 144 | LIFT GEAR C |
| 145 | STB GEAR A |
| 146 | STB GEAR B |
| 147 | STB GEAR C |
| 148 | STB GEAR D |
| | |
| 150 | LIFT LEVER |
| 151 | TRAY LOCK LEVER |
| 152 | DISC OB LEVER |
| 153 | STB GEAR ANG. |
| | |
| 180 | TOP PLATE F |
| 181 | TOP PLATE R |
| | |
| 191 | TRAY 1 |
| 192 | TRAY 2 |
| 193 | TRAY 3 |
| 194 | TRAY 4 |
| 195 | TRAY 5 |
| 196 | TRAY 6 |


112
STB DRIVE GEAR R
(ASSY)
148
STB GEAR D
103
STB HOLDER
101
MAIN BASE
110
STB DRIVE GEAR A
129
124
123
129
126
123
Mark position
125
127
145
STB GEAR A
153
STB GEAR ANG.
146
STB GEAR B
147
STB GEAR C
110
STB DRIVE GEAR A
111
STB DRIVE GEAR L
(ASSY)
138
TRAY IDLER GEAR
137
TRAY GEAR C
131
TRAY BIG GEAR
After assembling TRAY BIG GEAR, turn it in the arrow direction.
TRAY BIG GEAR ASSEMBLING POSITION

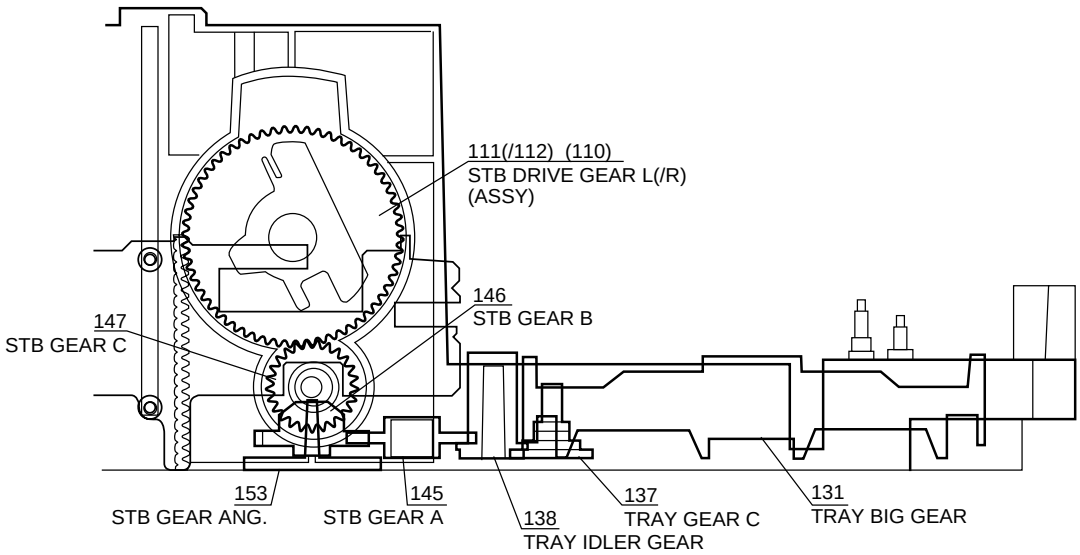

111(/112) (110)
STB DRIVE GEAR L(/R)
(ASSY)
146
STB GEAR B
147
STB GEAR C
153
STB GEAR ANG.
145
STB GEAR A
138
TRAY IDLER GEAR
137
TRAY GEAR C
131
TRAY BIG GEAR

**Figure 14**

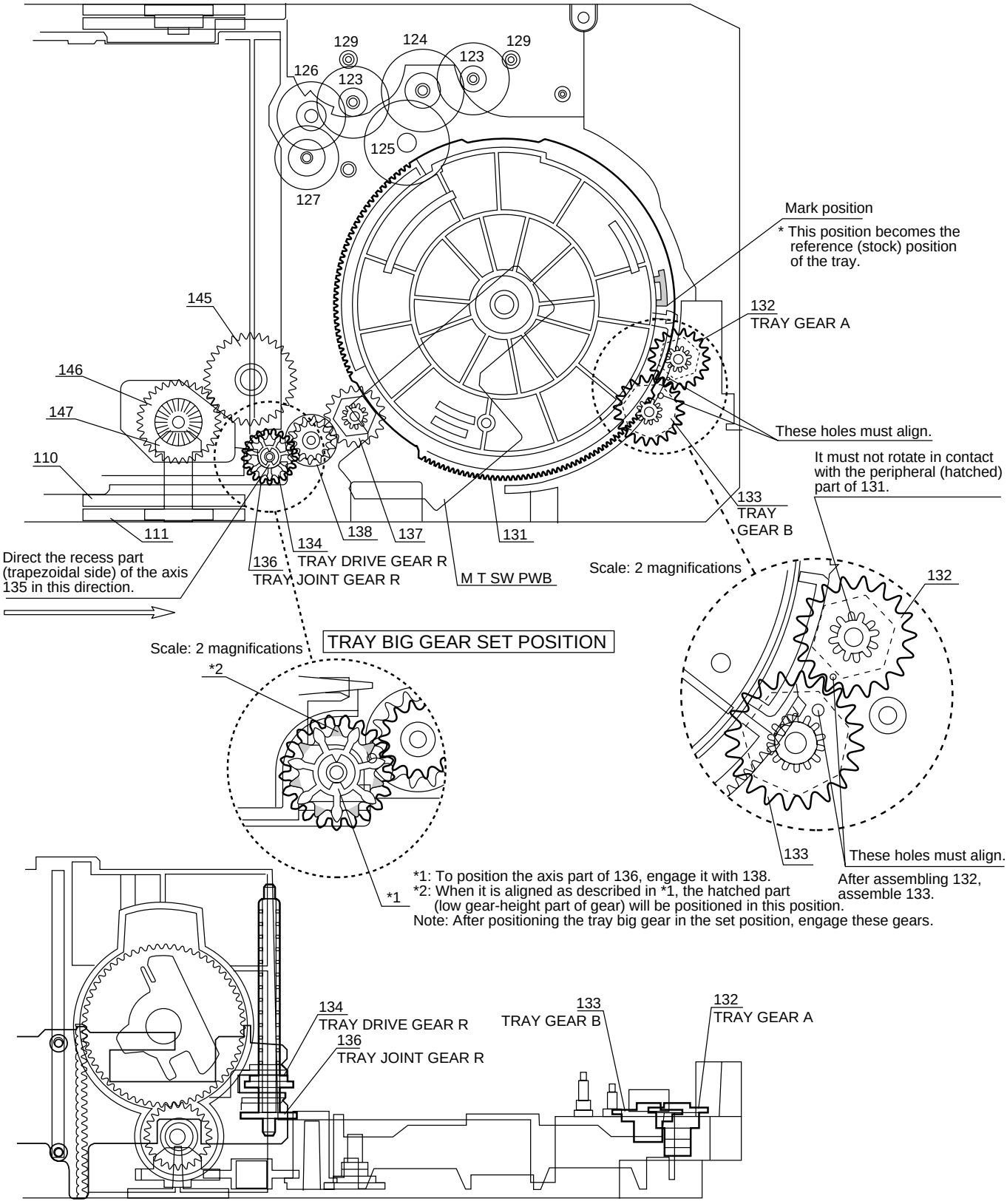

129
124
129
123
126
123
125
127
Mark position
* This position becomes the reference (stock) position of the tray.
145
132
TRAY GEAR A
146
147
These holes must align.
110
It must not rotate in contact with the peripheral (hatched) part of 131.
133
TRAY
GEAR B
111
138
137
131
Direct the recess part (trapezoidal side) of the axis 135 in this direction.
136
TRAY JOINT GEAR R
134
TRAY DRIVE GEAR R
M T SW PWB
Scale: 2 magnifications
132
TRAY BIG GEAR SET POSITION
Scale: 2 magnifications
*2
133
These holes must align.
After assembling 132, assemble 133.
*1
*1: To position the axis part of 136, engage it with 138.
*2: When it is aligned as described in *1, the hatched part (low gear-height part of gear) will be positioned in this position.
Note: After positioning the tray big gear in the set position, engage these gears.
134
TRAY DRIVE GEAR R
136
TRAY JOINT GEAR R
133
TRAY GEAR B
132
TRAY GEAR A

**Figure 15**

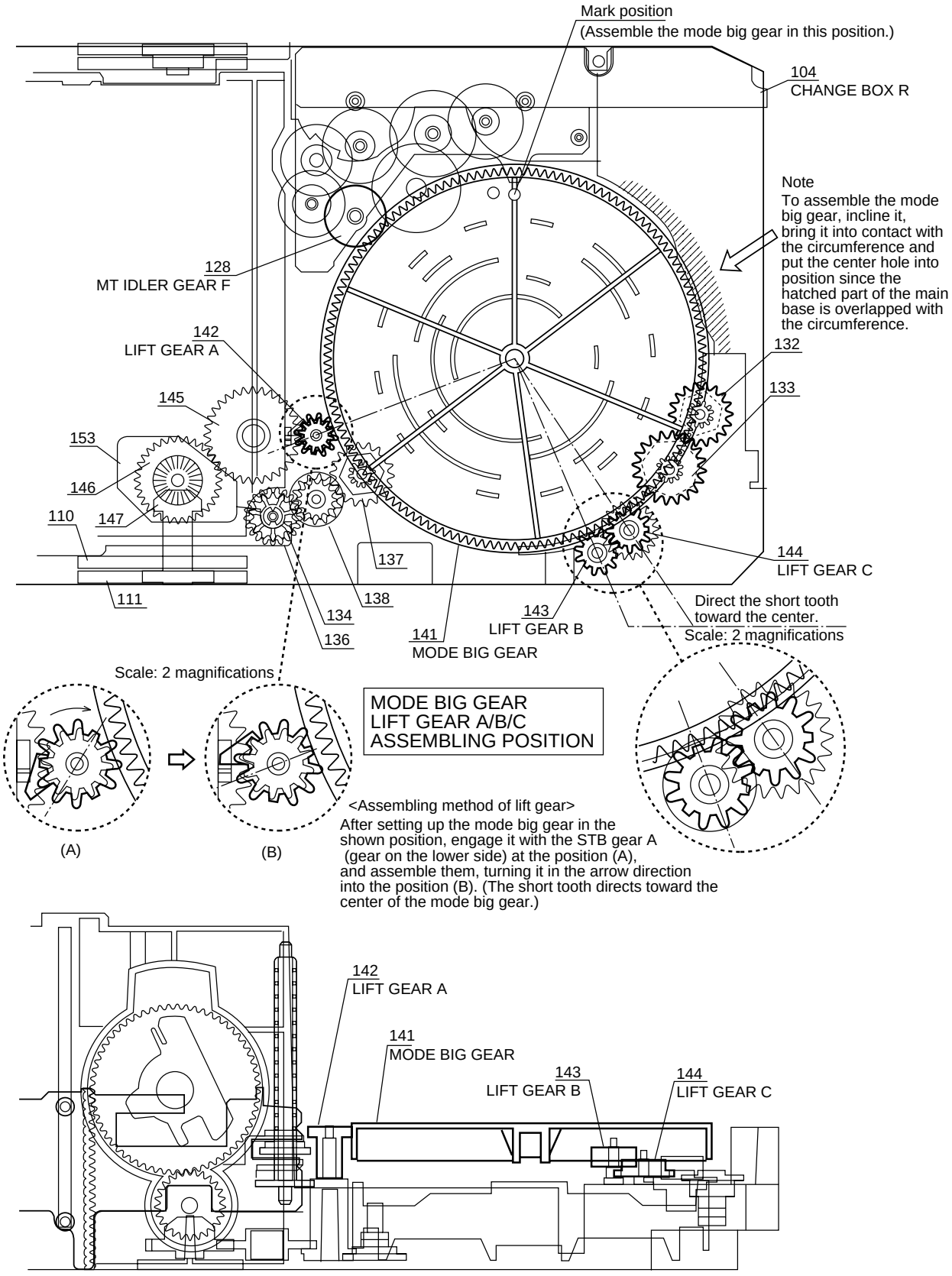
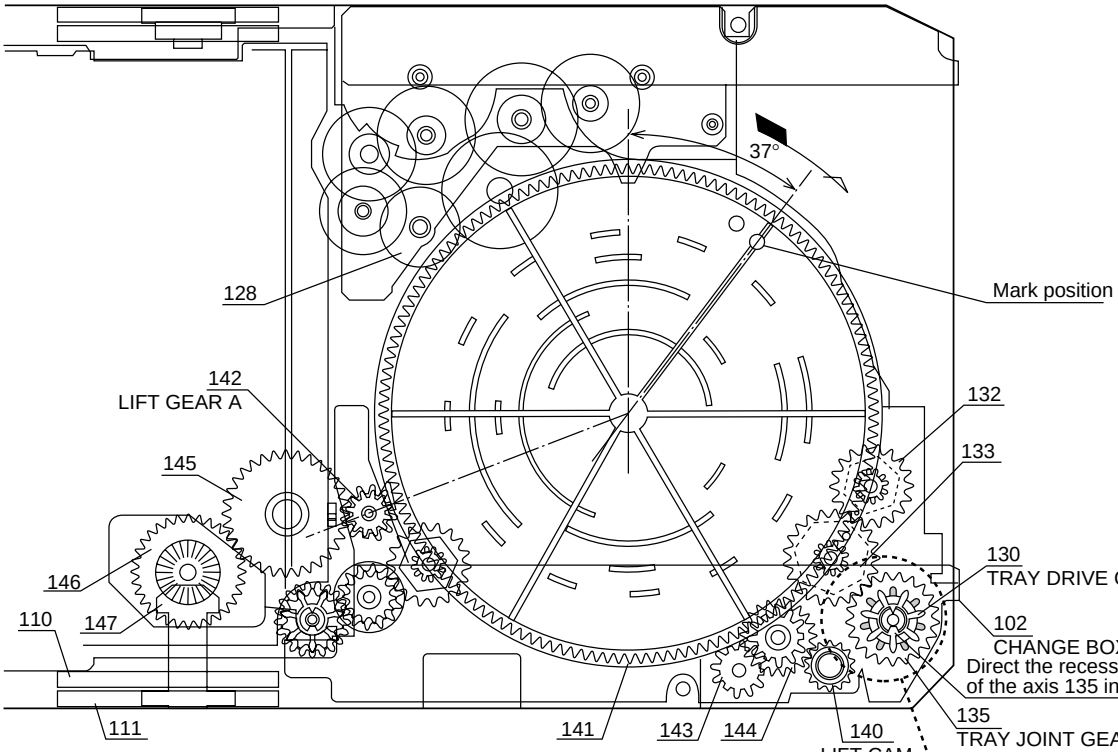

Mark position
(Assemble the mode big gear in this position.)
104
CHANGE BOX R
Note
To assemble the mode big gear, incline it, bring it into contact with the circumference and put the center hole into position since the hatched part of the main base is overlapped with the circumference.
128
MT IDLER GEAR F
142
LIFT GEAR A
132
133
145
153
146
110
147
137
144
LIFT GEAR C
111
138
134
136
143
LIFT GEAR B
141
MODE BIG GEAR
Direct the short tooth toward the center.
Scale: 2 magnifications
Scale: 2 magnifications
MODE BIG GEAR
LIFT GEAR A/B/C
ASSEMBLING POSITION
(A)
(B)
<Assembling method of lift gear>
After setting up the mode big gear in the shown position, engage it with the STB gear A (gear on the lower side) at the position (A), and assemble them, turning it in the arrow direction into the position (B). (The short tooth directs toward the center of the mode big gear.)
142
LIFT GEAR A
141
MODE BIG GEAR
143
LIFT GEAR B
144
LIFT GEAR C

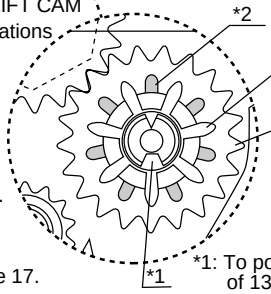
**Figure 16**



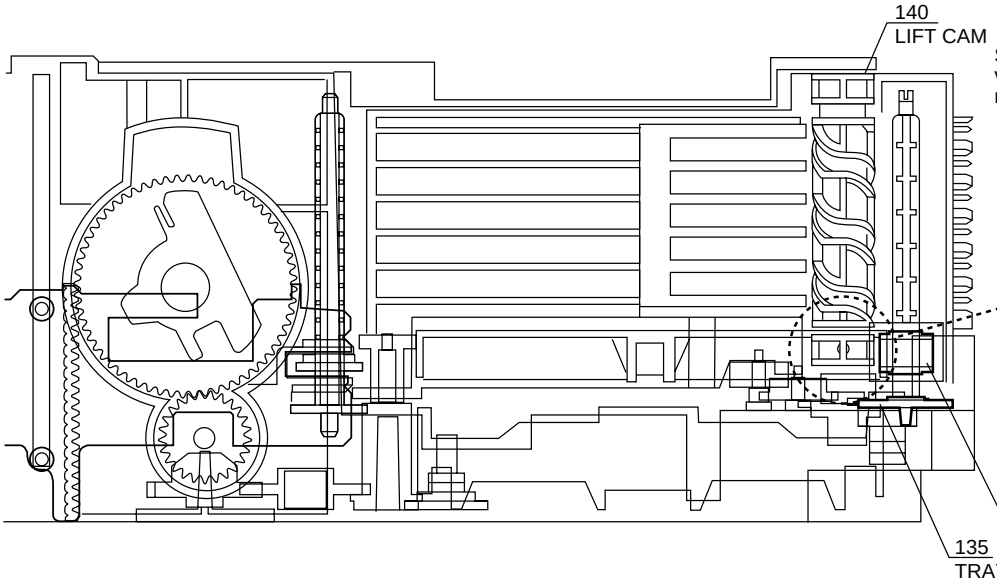

TRAY JOINT GEAR F
(CHANGE BOX L ASS'Y) ASSEMBLING POSITION
LIFT CAM

Assembling procedure
1. Turn the mode big gear approx. 37 degrees in the arrow direction.
2. Assemble the change box L ass'y.
Note: At this time, the tray joint gear F must be located in the position shown in figure.
Moreover, the gear must be engaged securely.
3. After assembly, return the mode big gear to the initial position.
4. Assemble the lift cam.
Note: At this time, the lift cam (No.140) must be located in the position shown in figure 17.

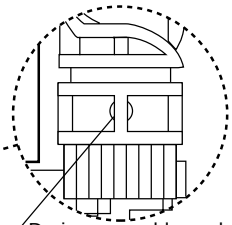
Scale: 2 magnifications




*1: To position the axis part of 135, engage it with 133.
*2: When it is aligned as described in *1, the hatched part (low gear-height part of gear) will be positioned as shown.
Since this gear engagement is not visually checked, verify that it does not float when the gear box L is installed.



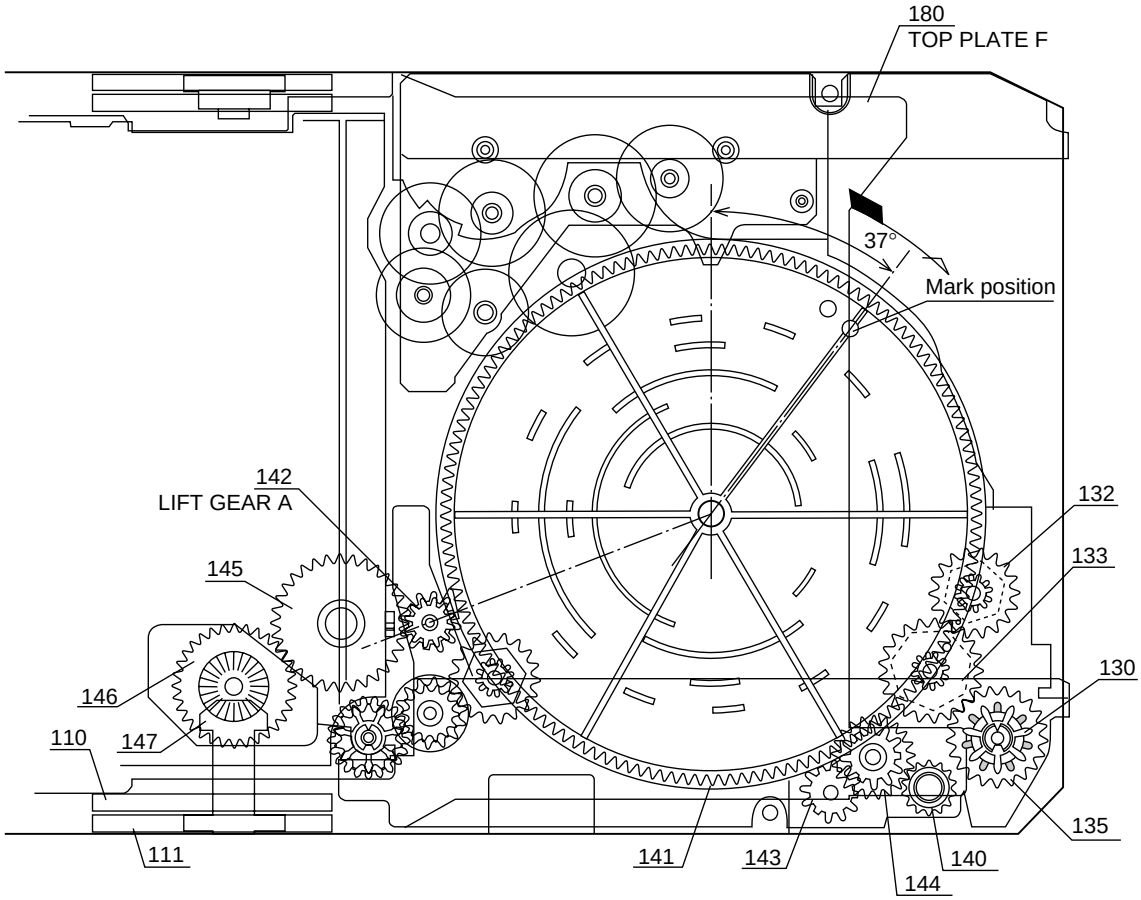

Scale: 2 magnifications



During assembly, make the O part visible in this direction.

Note: Among 4 ribs on the circumference, one rib alone is provided with O.

**Figure 17**




## STB HOLDER HEIGHT ADJUSTING METHOD

Adjusting procedure
1. Turn the mode big gear approx. 37 degrees in the arrow direction.
2. Viewing from the front side of the mechanism, verify that the guide ribs (CHANGE BOX L/R and STB HOLDER)of tray are as tall as each other.
3. If they are not, bend the lever for adjustment. (Refer to the details.)

Note: Also apply the same adjustment on the R side.

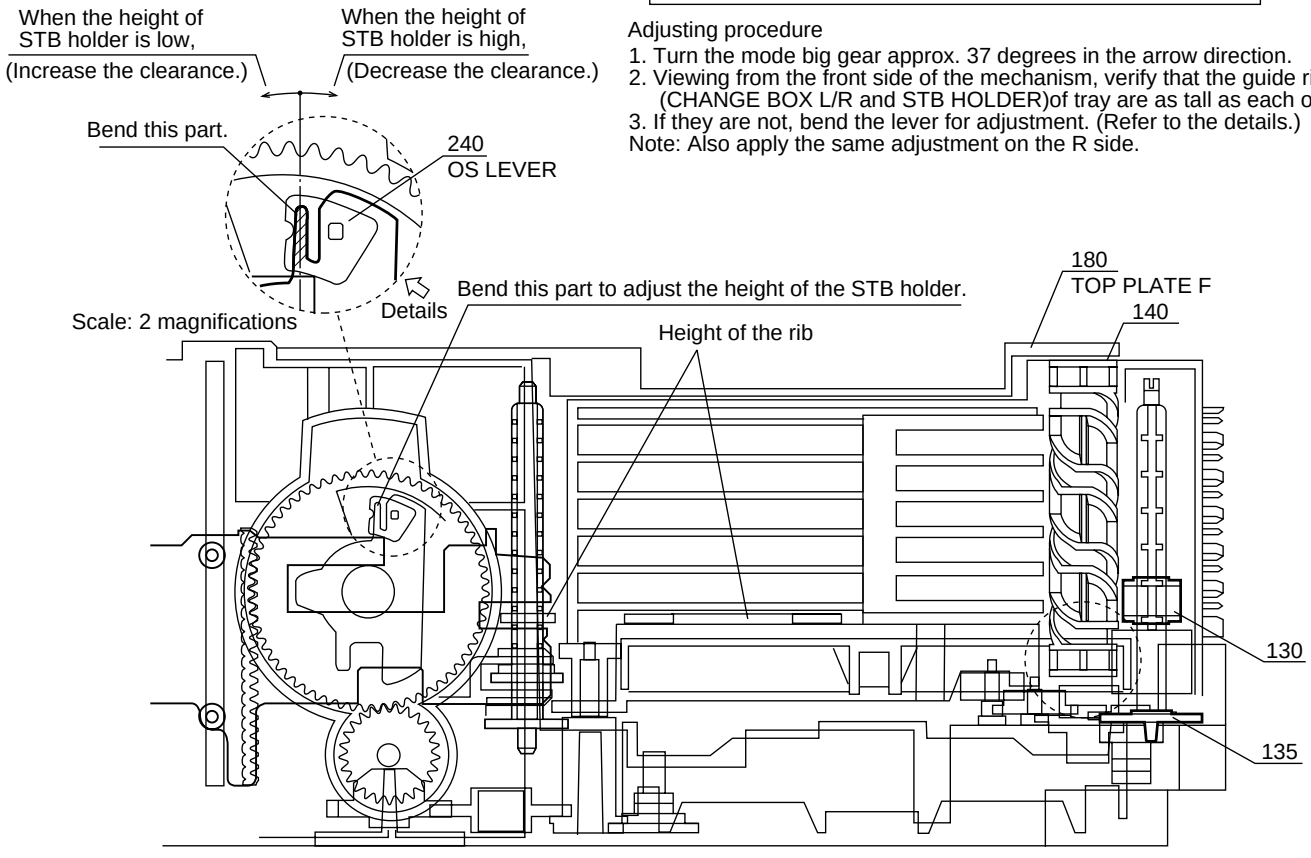



**Figure 18**

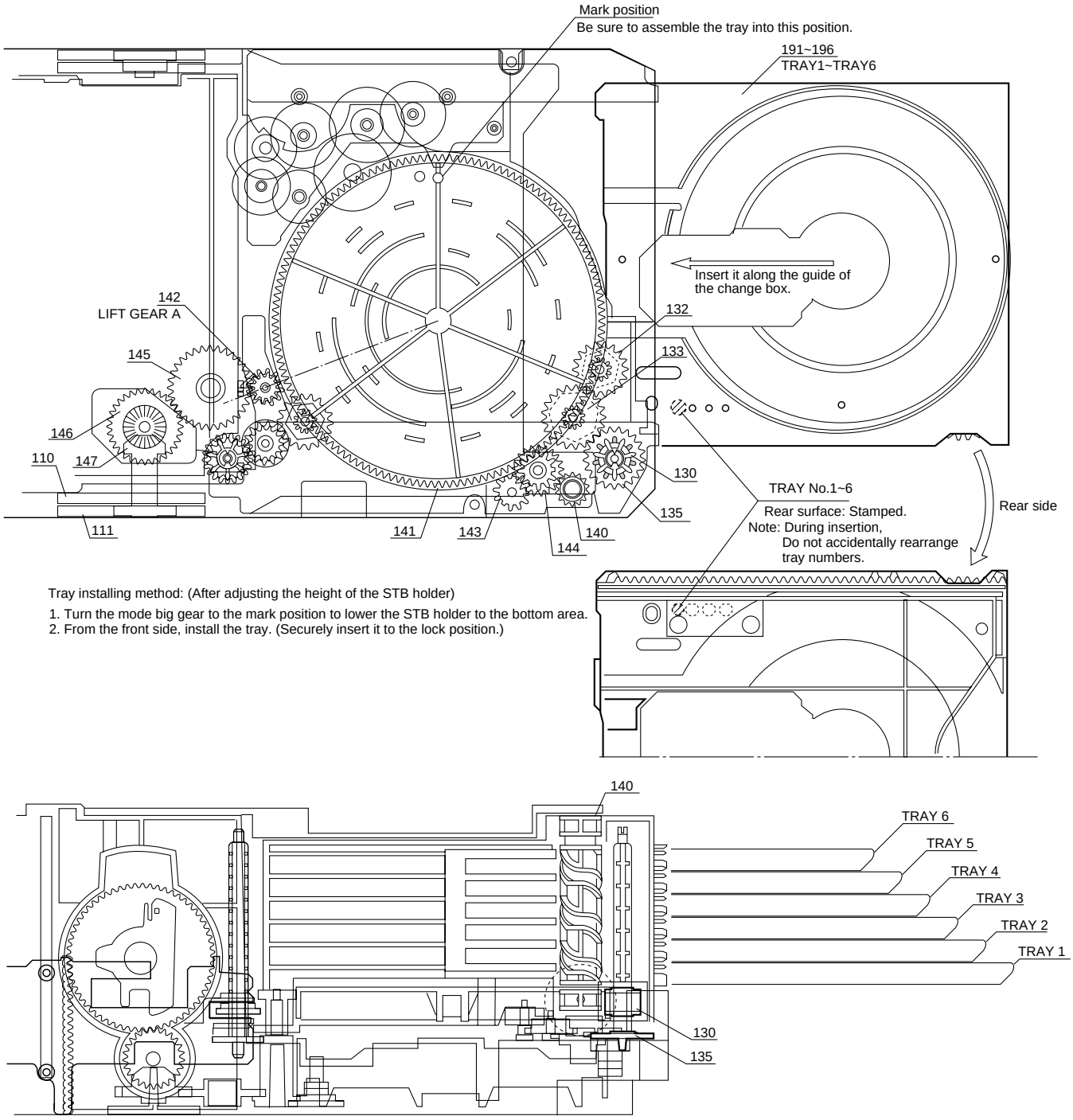



**Figure 19**

## Measure to be taken when a disc cannot be removed due to a mechanism trouble

First, remove the mechanism unit section from the set, and check for the state of the disc.
(Remove the top plate R if necessary.)

<**State of the disc**>

(1) When the disc is in the normal PLAY (chucking) position -> Try to eject the disc by turning the mode big gear/tray big gear manually.
* At this time, be sure to adjust the tray's position (height).

(2) When the disc is in the normal STOCK position -> Try to eject the disc by turning the tray big gear manually.
* At this time, be sure to adjust the tray's position (height).

(3) When the disc is not in the normal position -> The tray or disc is not in the normal position. (The tray or disc may catch somewhere.)

↓

Remove the TOP PLATE F/DISC OB lever.
Unlock the tray lock lever and pull out the tray which is not caught.
Move the caught tray or disc and remove the disc.

In case of (1) and (2), the mechanism is normal (defective circuit parts, etc.). However, it may stop somewhere.
This is the reason why you should try to turn the tray big gear first.
In case of (3), either of the big gears does not turn.

# ADJUSTMENT

## MECHANISM SECTION

**• Driving Force Check**

| Torque Meter | Specified Value |
|---|---|
| Play: TW-2412 | Over 80 g |

**• Torque Check**

| Torque Meter | Specified Value |
|---|---|
| Play: TW-2111 | 30 to 60 g. cm |
| Fast forward: TW-2231 | 60 to 120 g.cm |
| Rewind: TW-2231 | 60 to 120 g.cm |

**• Tape Speed**

| Test Tape | Adjusting Point | Specified Value | Instrument Connection |
|---|---|---|---|
| MTT-111 | Variable resistor in motor | 3,000 ±90 Hz | Speaker terminal |

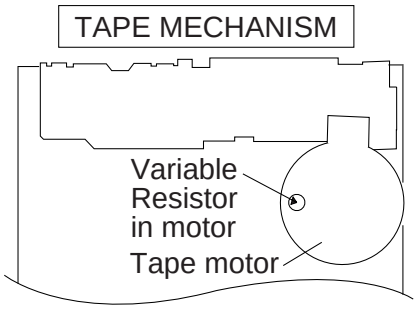



**Figure 20-1 ADJUSTMENT POINT**

## TUNER SECTION

fL: Low-range frequency
fH: High-range frequency

**• AM IF/RF**

Signal generator: 400 Hz, 30%, AM modulated

| Frequency | Frequency | Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| AM IF | 450 kHz | 1,720 kHz | T351 | *1 |
| AM Band Coverage | — | 530 kHz | (fL): T306 1.1 ± 0.1 V | *2 |
| AM Tracking | 990 kHz | 990 kHz | T302 | *1 |

*1. Input: Antenna Output: Speaker Terminal
*2. Input: Antenna Output: TP301

**• FM RF**

Signal generator: 1 kHz, 75 kHz dev., FM modulated

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| FM Band Coverage | — | 87.50 MHz | (fL): T311 1.3 ± 50mV | *1 |
| FM RF | 98.00 MHz (10~30 dB) | 98.0 MHz | L312 | *2 |

*1. Input: Antenna Output: TP301
*2. Input: Antenna Output: Speaker Terminal

**• FM Mute Level (FM ST MODE)**

Signal generator: 1 kHz, 40 kHz dev., FM modulated

| Frequency | Display | Adjusting Parts | Instrument Connection |
|---|---|---|---|
| 98.00 MHz (26 dBμV) | 98.00 MHz | VR351*1 | Input:SO301 Output: Speaker Terminal |

*1. Adjust so that an output signal appears.

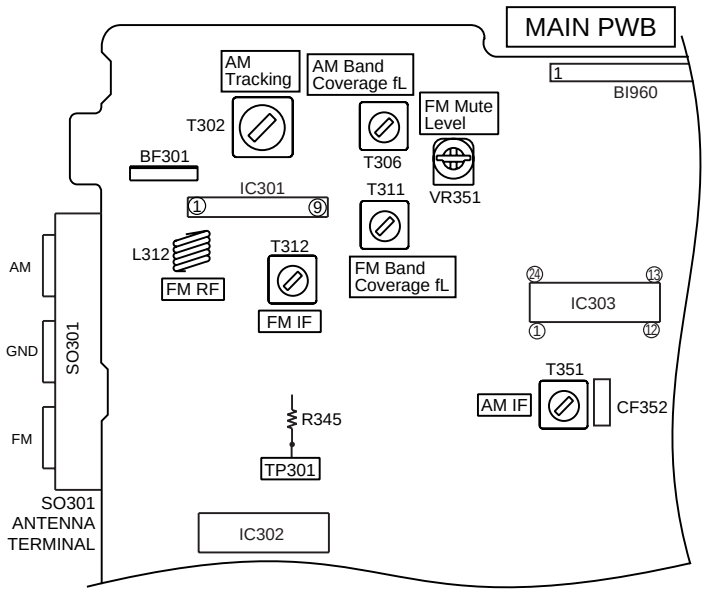



**Figure 20-2 ADJUSTMENT POINTS**

## Extension cable

| | Type | Part No. |
|---|---|---|
| 1. | 33 Pin extension flat cable, 500mm | QCNWN6931AFZZ |

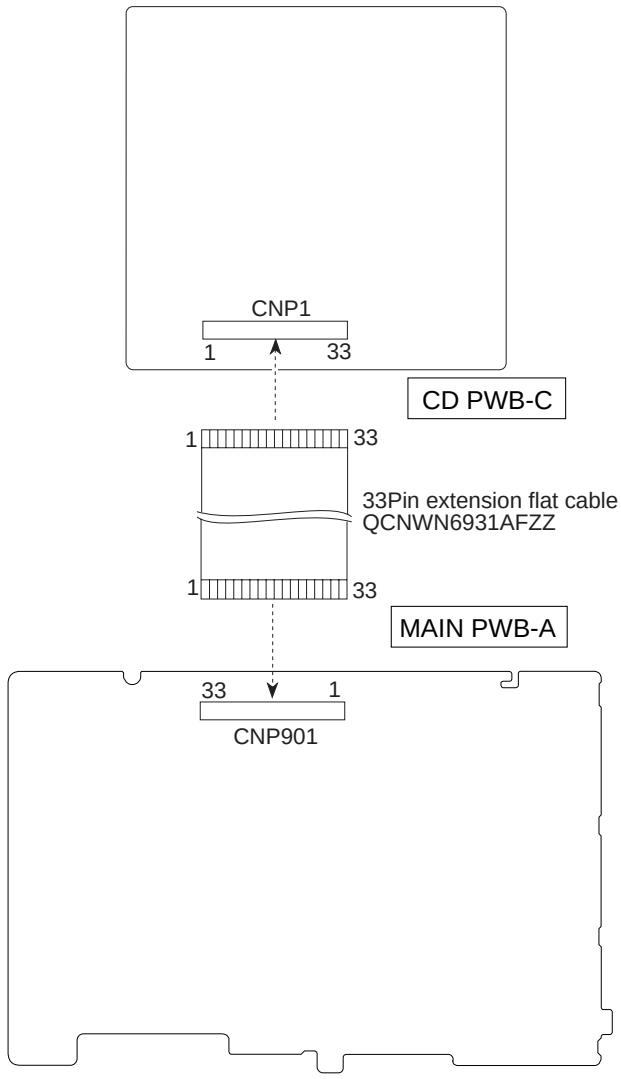



**Figure 20-3**

# TEST MODE

**Outline**

While the unit is turned off, press the POWER key while holding down the VOLUME-DOWN and PANEL OP/CL keys to enter the test mode selection mode. Then, the unit is started, the panel is opened, and the microcomputer's version/destination/span is displayed. If the following data is entered from the keyboard while in the test mode selection mode, the unit directly enters the specified test mode. This operation is applied to the main unit's keys only.

| Item | Type | Character display | | | | | | | | | | | | | | | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Auxiliary display | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | : | 9 | 10 | 11 | 12 | Auxiliary display | |
| Version•Destination | | | V | | * | • | * | | | | | | | | | | Left adjust in the first line |
| | | | | | Number | | | | | | : | Span | | | | | |

Destination

Example: V1. 1_W:_9

In the destination display, a destination code (H/W/U/J) is displayed. For the span display, "9" means 9 kHz/50 kHz, and "10" means 10/100 kHz. All pictures will disappear except the characters.

By pressing the specific key, you can enter the test mode whose functions are as follows:

| | Menu display | Shortcut Key | Model | |
|---|---|---|---|---|
| System | INITIAL | CD1 PLAY | ALL | Shipping status setting |
| | SOFT_RESET | CD2 PLAY | ALL | Soft rest |
| CD | CD_TEST | CD1 EJECT | ALL | CD test |
| Tuner | TUN_PRESET | CD4 EJECT | ALL | Tuner test frequency preset |
| | TUNER_TEST | CD5 EJECT | ALL | Tuner test |

**Outline of Test Mode**

| | Name | >>>>><<<<< "EDIT Bar" | Description |
|---|---|---|---|
| 1 | Shipping status setting | _____ | Sets up the unit for shipping. |
| 2 | Soft set setting | _____ | Initializes the unit. |
| 3 | CD test | flashing on and off | Performs tests such as the CD mechanism test, hardware test, and constant setting test. |
| 4 | Tuner test frequency preset | _____ | Presets the test frequency. |
| 5 | Tuner preset clear setting | _____ | Clears all presets. |

In a test which reserves the current mode, "<<<<<<<V<<<<<<<" is displayed and flashes on and off in the EDIT flow section while in the test mode.

**Shipping status setting test mode**

Purpose: To Set up the unit for shipping.
Function: Initialize all functions.
Operation: All settings are initialized, "FINISH" is displayed as in the sample display, and data entry is prohibited including data to turn on or off the unit.

**To exit the test mode**

The unit returns to the normal operation through reset entry.

**Table Character display for test mode 1**

| Item | Type | Character display | | | | | | | | | | | | | | | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Auxiliary display | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | : | 9 | 10 | 11 | 12 | Auxiliary display | |
| Test mode name | | | I | N | I | T | I | A | L | | | | | | | | |
| Set-Up Complete | Function | | F | I | N | I | S | H | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

In the destination display, a destination code is displayed. For the span display, "9" means 9 kHz/50 kHz, and "10" means 10/100 kHz.

**2. Soft reset**

Purpose: To initialize the unit.
Function: To initialize all functions.
Operation: "ALL CLEAR" is displayed, all functions are initialized, and the unit is turned on.

To exit the test mode

When the initialization through soft reset is complete, the unit is turned on.

**Table Character display for test mode 2**

| Item | Type | Character display | | | | | | | | | | | | | | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Auxiliary display | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | : | 9 | 10 | 11 | 12 | Auxiliary display | |
| Reset operation display | Operation | | A | L | L | | C | L | E | A | | R | | | | | |

**3. CD test mode (If this test mode is not activated, refer to CD troubleshooting on page 54.)**

In the CD test mode, each step can be performed even if the LID-SW is off. However, if you cannot obtain a focus in step 3 or if other kind of error handling starts, you cannot proceed to the following steps. In error handling, press the POWER key to exit the test mode, or press the STOP key to prohibit operations other than returning to step 1.

**(1) Step 1 mode**

In the CD test mode, the following display appears, CD initialization is performed, and you are prompted for data.
Reset operation display / Operation

"CD_TEST"
After lighting up for one second

"T1_____0:00"

The keys you can press here and the resulting operations are as follows:
"POWER" ..... The test mode is turned off, the power is turned off, and the unit is placed in the normal standby mode.
"FWD" ..... While holding down this key, the pickup moves outward after returning to the innermost track.
"REV" ..... While holding down this key, the pickup moves inward after returning to the innermost track.
"PLAY" ..... Jumps to step 2.
"STOP" ..... Cancelled.
"TAPE REC" ..... Jumps to step 5.

* While the pickup is moving to the innermost track in the initialization, none of the keys except POWER is accepted. When PU-IN SW ON cannot be detected in ten seconds, the unit stops the slide motor and shows the following error code. Then, you can press the POWER key to exit the test mode, or the STOP key to return to step 1. You cannot perform other operations.

"E--CD01"

**(2) Step 2 mode**

When the "PLAY" key is pressed in the above mode, the laser is turned on. At this time, another operation must not be performed.

Display "T2_____0:00"

The keys you can press here and the resulting operations are as follows:
"POWER" ..... The test mode is turned off, the power is turned off, and the unit is placed in the normal standby mode.
"FWD" ..... While holding down this key, the pickup is moved outward.
"REV" ..... While holding down this key, the pickup is moved inward.
"PLAY" ..... Jumps to step 2.
"STOP" ..... Returns to step 1.
"TAPE REC" ..... Jumps to step 5.

**(3) Step 3 mode**

Performs focus search and turns on the focus servo.
Focus search is repeated until it is brought into focus.

Display "T3_____0:00"

The keys you can press here and the resulting operations are as follows:
"POWER" ..... The test mode is turned off, the power is turned off, and the unit is placed in the normal standby mode.
"FF/FWD" ..... While holding down this key, the pickup is moved outward.
"REW/REV" ..... While holding down this key, the pickup is moved inward.
"PLAY" ..... Jumping to step 4 when a focus is obtained. Otherwise, data entry is prohibited.
"STOP" ..... Returns to step 1.
"TAPE REC" ..... Jumps to step 5.

* You should return to step 1 if it is out of focus after bringing it into focus.

**(4) Step 4 mode**

Rotate a disc.

Displayed string: "T4_____0:00"

The clock display should always be "0:00".

The keys you can press here and the resulting operations are as follows:
"POWER" ..... The test mode is turned off, the power is turned off, and the unit is placed in the normal standby mode.
"FF/FWD" ..... While holding down this key, the pickup is moved outward.
"REW/REV" ..... While holding down this key, the pickup is moved inward.
"PLAY" ..... Jumps to step 5.
"STOP" ..... Returns to step 1.
"TAPE REC" ..... Jumps to step 5.

* You should return to step 1 if it is out of focus.

**(5) Step 5 mode**

Start playback. When the pickup reaches the outermost track, it does not stop. The LCD screen shows the replay time elapsed as in the normal CD playback.

Display "T5_____0:00"

The keys you can press here and the resulting operations are as follows:
"POWER" ..... The test mode is turned off, the power is turned off, and the unit is placed in the normal standby mode.
"FWD" ..... While holding down this key, the pickup is moved outward.
"REV" ..... While holding down this key, the pickup is moved inward.
"PLAY" ..... Canceled.
"STOP" ..... Returns to step 1.
* You should return to step 1 if it is out of focus.

**Notes:**
- In the test mode, TOC IL is not performed.
- Only the keys for adjusting the volume are accepted except the keys described

**4. Tuner test frequency preset**

Purpose: To preset a test frequency for an in-factory test.
Function: To preset each preset number to the band and frequency shown in Table 24 based on the initial setting for the destination.
Operation: To preset the band and frequency shown in the table below and turn the unit on with the following setting.

| | |
|---|---|
| Function | Tuner |
| Band | FM monaural |
| Tuning mode | Preset call selection |
| Call preset number | Preset number 1 frequency |
| Band's last preset channel | See Table 24 |
| X-BASS | Off |
| Preset equalizer | FLAT |

For other functions, the value which was set when the unit was turned off last time is valid (last state).

To exit the test mode
After the frequency is preset and the set-up is done, the unit is turned on and normal operations start.

**Table 24. TEST-TuSet preset frequencies**

| CH | BAND | U.S.A. |
|---|---|---|
| 1 %<br>2<br>3<br>4<br>5 | FM | FM 87.5 MHz<br>FM108.0 MHz<br>FM 90.0 MHz<br>FM106.0 MHz<br>FM 98.0 MHz |
| 6 %<br>7<br>8<br>9<br>10 | AM | AM 530 kHz<br>AM1720 kHz<br>AM 600 kHz<br>AM1400 kHz<br>AM 990 kHz |
| 11-40 | ———— | ———— |

Unused channels are indicated with "_".
'%' indicates the last channel for each band.
All FM bands are preset to FM monaural.

# ERROR MESSAGE LIST

**CD error messages**

| Errors | Messages | Remarks |
|---|---|---|
| Pickup mechanism error | E-CD01 | Slide motor operation error (PU-IN SW detection NG) |
| Tray error | E-CD20 | Tray open/close operation error |
| Changer mechanism error | E-CD10 | Changer mechanism operation error |

**TUNER error messages**

| Errors | Messages | Remarks |
|---|---|---|
| Relation to RDS<br>EON reception impossible | WEAK SIG | When switching to an EON station,<br>it cannot be received due to weak signal. |
| PLL UN LOCK | Frequency indicator flashing | Reception error or PLL control error |

**TAPE error messages**

| Errors | Messages | Remarks |
|---|---|---|
| You tried to record on a tape removing the recording prevention tabs. | 'PROTECTED' | |
| TAPE mechanism error | E-TA01 | Mechanism initialize abnormal end |

**CD-R error messages**

| Errors | Messages | Remarks |
|---|---|---|
| There are no tracks on the disc. | 'NO TRACKS' | |
| When digitally recording from a copy-inhibited source. | 'CAN' T COPY' | |
| Error during recording. | 'CAN' T REC' | |
| Error when entering the recording the recording/edit mode. | 'DISC ERROR' | |
| There is no free area on the disc when recording. | 'DISC FULL' | |
| There is no space for the name information memory. | 'MEMORY FULL' | |
| ***% of the name information memory is being used. | 'MEMORY ***%' | |
| There is nothing in the name information memory. | 'MEMORY EMPTY' | When you tried to erase the memory. |
| It is decided that there is no disc. | 'CD-R NO DISC' | |
| A track other than audio is played back. | 'NOT AUDIO' | Displayed when playback sound is not output. |
| You tried to record on or edit a finalized disc. | FINALIZED CD | |
| Pick calibration error | 'OPC ERROR' | |
| Signal is not synchronized when recording using the digital input. | 'NO SIGNAL' | |
| It is detected that it is a disc other than audio CD-R. | '? DISC' | |

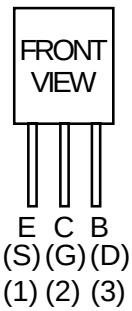
# NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     ( ) indicates AM
     < > indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ ” ( ⊏═══⊐ ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

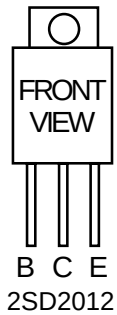
| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| NSW1 | PICKUP IN | ON—OFF |
| SW701 | POWER | ON—OFF |
| SW705 | OPEN/CLOSE | ON—OFF |
| SW710 | PANEL OPEN/CLOSE | ON—OFF |
| SW711 | VOLUME DOWN | ON—OFF |
| SW712 | VOLUME UP | ON—OFF |
| SW720 | CD 1 EJECT | ON—OFF |
| SW721 | CD 2 EJECT | ON—OFF |
| SW722 | CD 3 EJECT | ON—OFF |
| SW723 | CD 4 EJECT | ON—OFF |
| SW724 | CD 5 EJECT | ON—OFF |
| SW725 | CD 6 EJECT | ON—OFF |
| SW730 | CD 1 PLAY | ON—OFF |
| SW731 | CD 2 PLAY | ON—OFF |
| SW732 | CD 3 PLAY | ON—OFF |
| SW733 | CD 4 PLAY | ON—OFF |
| SW734 | CD 5 PLAY | ON—OFF |
| SW735 | CD 6 PLAY | ON—OFF |
| SW750 | AUTO MARKER | ON—OFF |
| SW751 | ERASE | ON—OFF |
| SW752 | FINALIZE | ON—OFF |
| SW753 | FAST REVERSE | ON—OFF |
| SW754 | FAST FORWARD | ON—OFF |
| SW755 | TAPE RECORD | ON—OFF |
| SW756 | PLAY/PAUSE | ON—OFF |
| SW757 | STOP | ON—OFF |
| SW758 | PLAY | ON—OFF |
| SW760 | AUX | ON—OFF |

| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| SW761 | TAPE | ON—OFF |
| SW762 | TUNER | ON—OFF |
| SW763 | CD | ON—OFF |
| SW764 | CD-R | ON—OFF |
| SW765 | CD/CD-R | ON—OFF |
| SW766 | TRACK EDIT | ON—OFF |
| SW767 | CD-R RECORD | ON—OFF |
| SW768 | RECORD MODE | ON—OFF |
| SW769 | HIGH/NORMAL | ON—OFF |
| SW772 | EQUALIZER MODE | ON—OFF |
| SW773 | X-BASS | ON—OFF |
| SW774 | DISPLAY CHARACTER | ON—OFF |
| SW775 | MENU | ON—OFF |
| SW776 | NAME TOC EDIT | ON—OFF |
| SW777 | DELETE | ON—OFF |
| SW778 | ENTER | ON—OFF |
| SW780 | CD-R OPEN/CLOSE | ON—OFF |
| SW783 | PLAY MODE | ON—OFF |
| SWB101 | DISC DETECT 1 | ON—OFF |
| SWB102 | DISC DETECT 2 | ON—OFF |
| SWB103 | DISC DETECT 3 | ON—OFF |
| SWB104 | MODE 1 | ON—OFF |
| SWB105 | MODE 2 | ON—OFF |
| SWB106 | MODE 3 | ON—OFF |
| SWB107 | MODE 4 | ON—OFF |
| SWB108 | MODE 5 | ON—OFF |
| SWB109 | TRAY 1 | ON—OFF |
| SWB110 | TRAY 2 | ON—OFF |

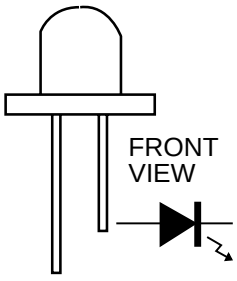
# TYPES OF TRANSISTOR AND LED



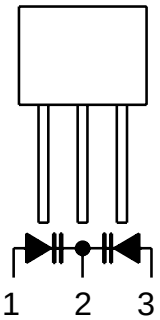

2SA1015 GR
2SA562 Y
2SB561 C
2SB562 C
2SC1740 R
DTC363 TS
KRA102 M
KRA107 M
KRC102 M
KRC104 M
KRC107 M
KTA1046 Y
KTC2026
KTC3194 Y
KTC3203 Y
KTA1266 GR
KTC3199 GR




2SD2012




HLMP1700
K5052C
K5052UL
L1154GDA
L934MBC5
LNG995PF




SVC211C
SVC348S

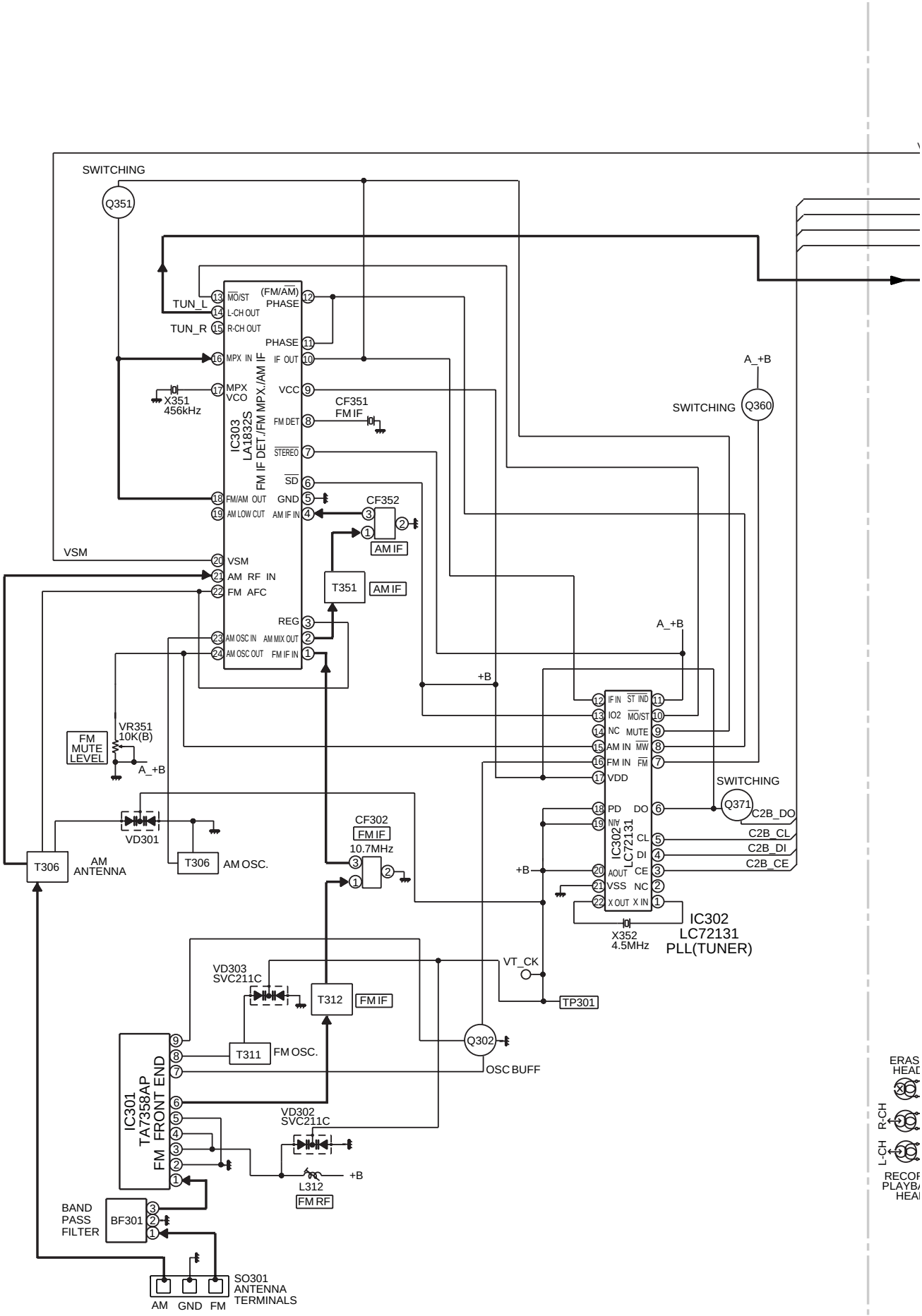



**Figure 26 BLOCK DIAGRAM (1/6)**

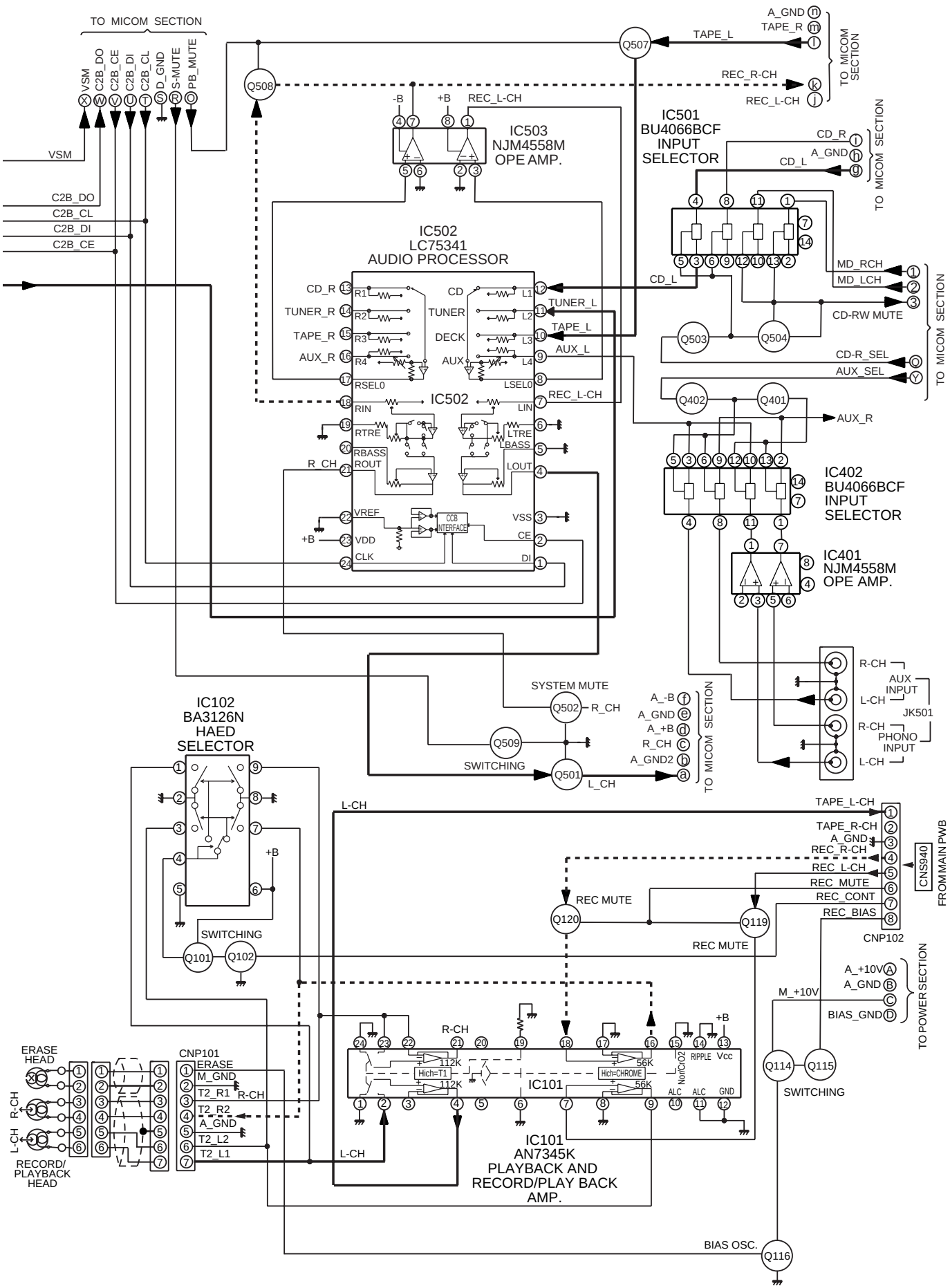



**Figure 27 BLOCK DIAGRAM (2/6)**

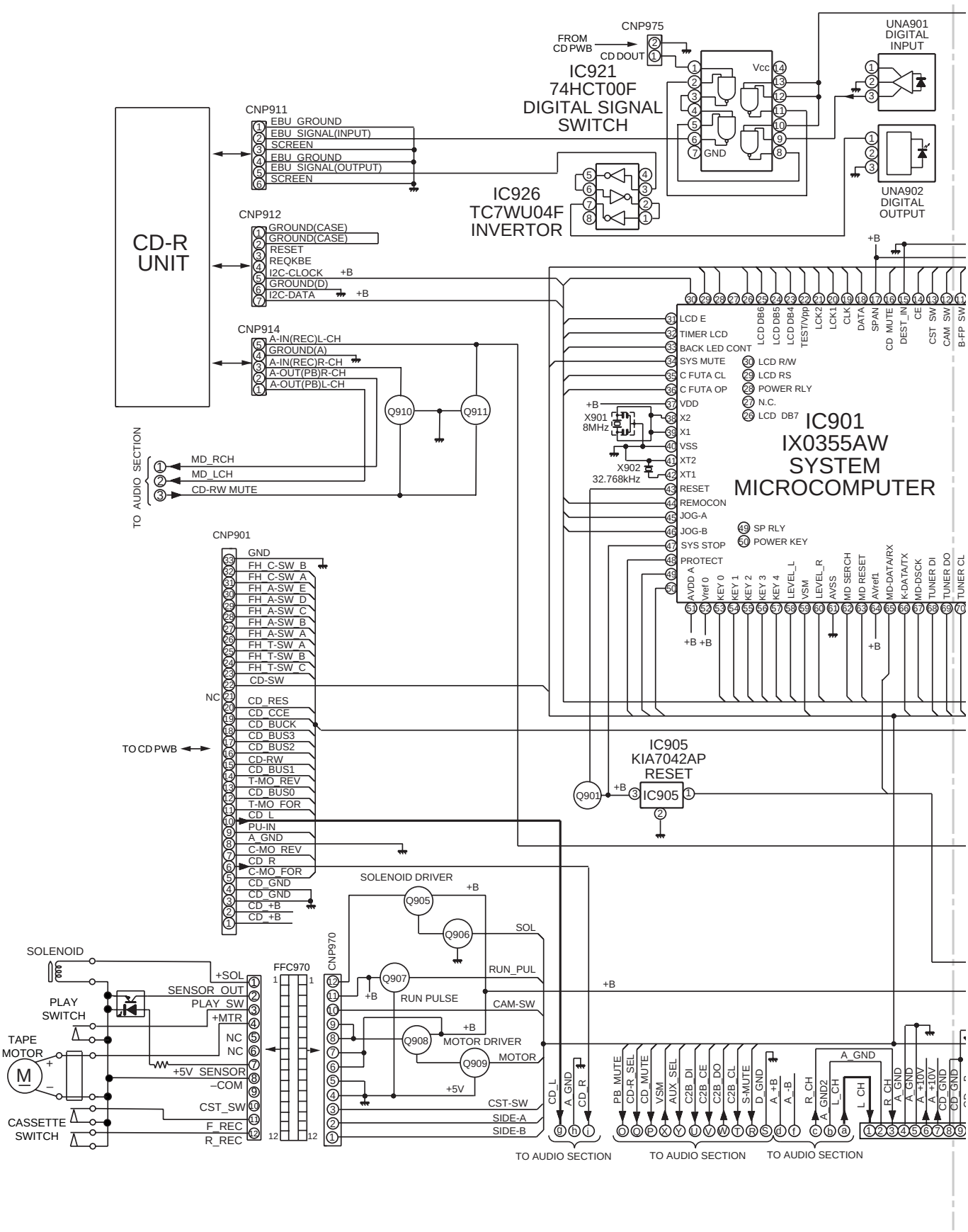



**Figure 28 BLOCK DIAGRAM (3/6)**

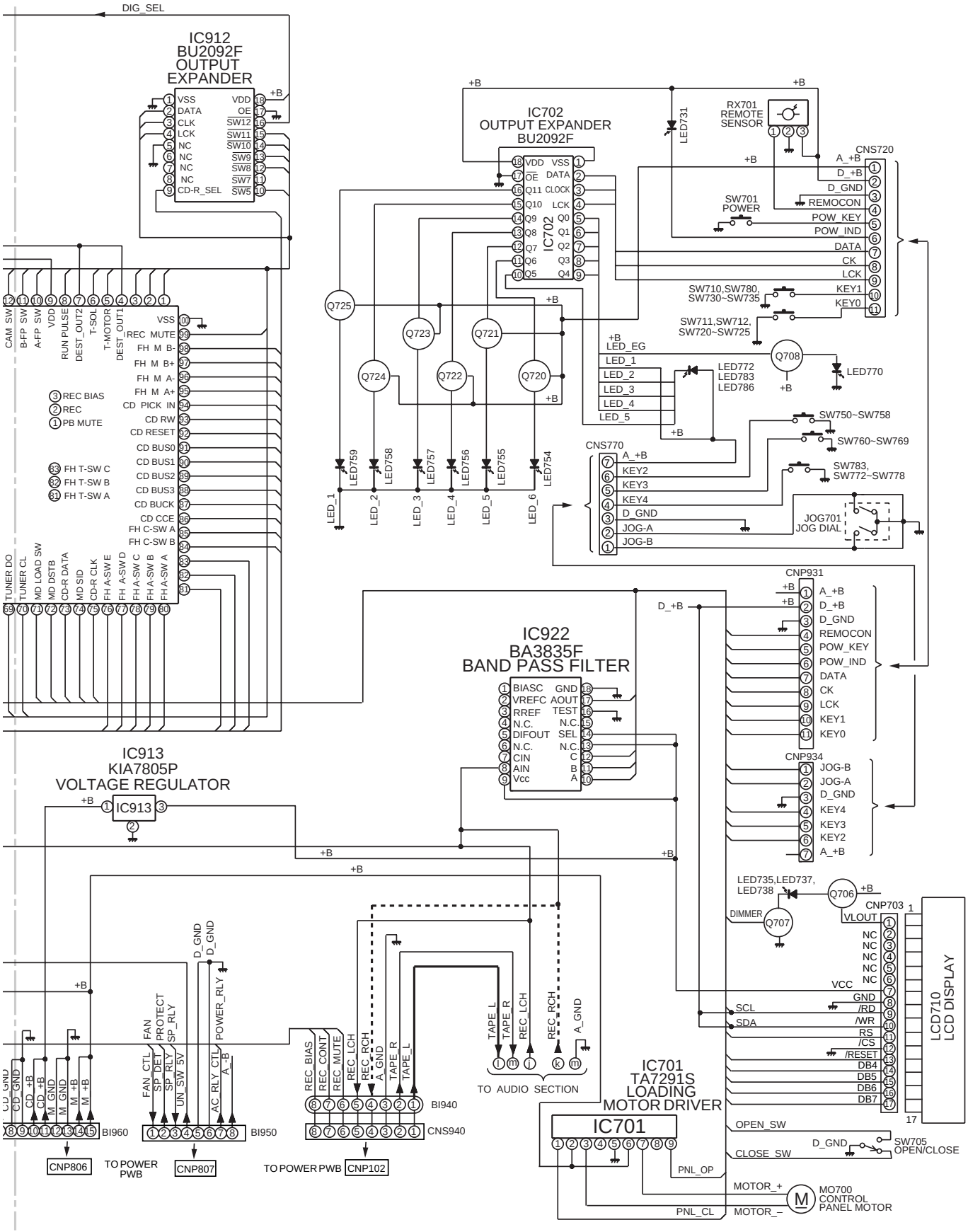



**Figure 29 BLOCK DIAGRAM (4/6)**

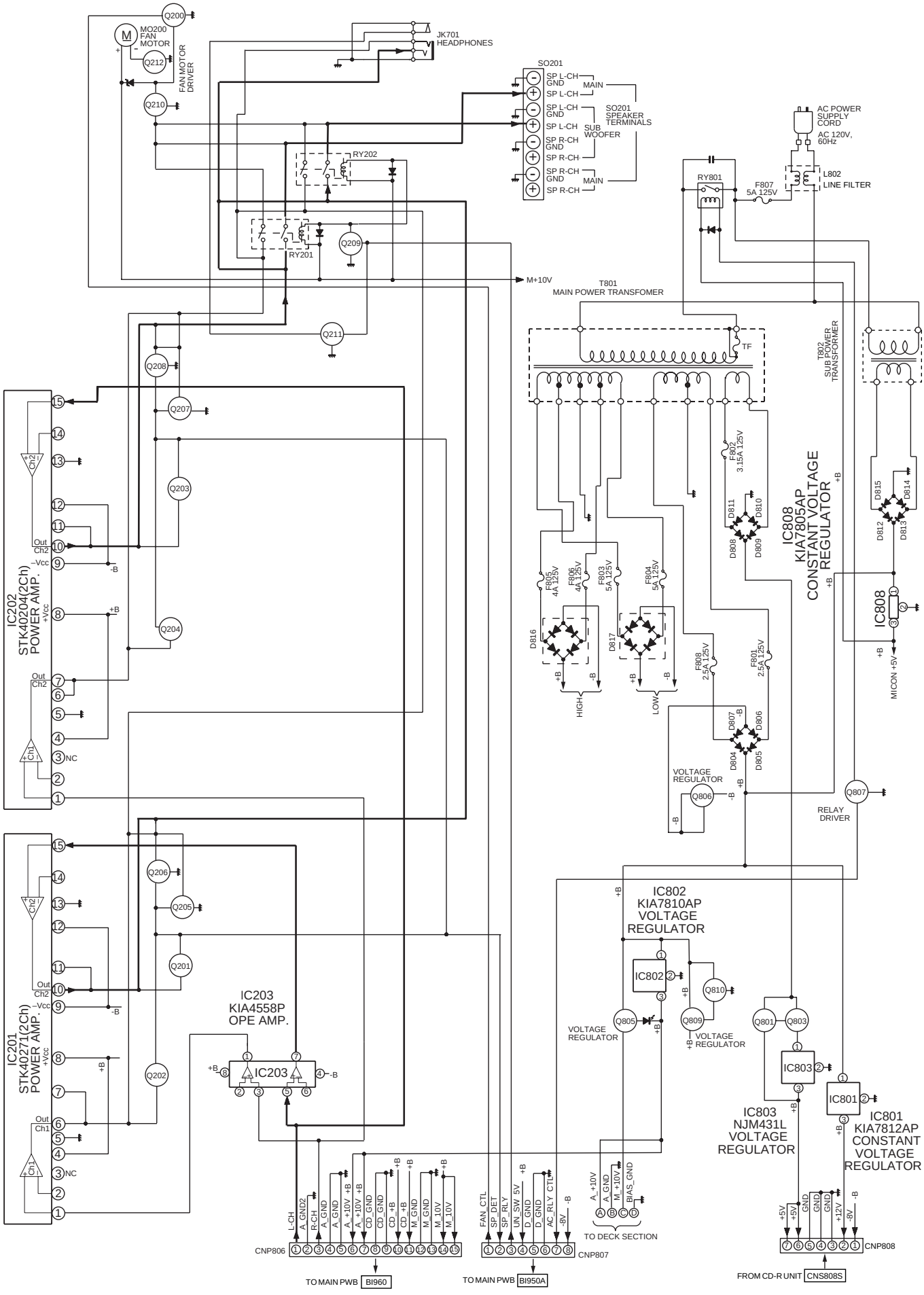



**Figure 30 BLOCK DIAGRAM (5/6)**

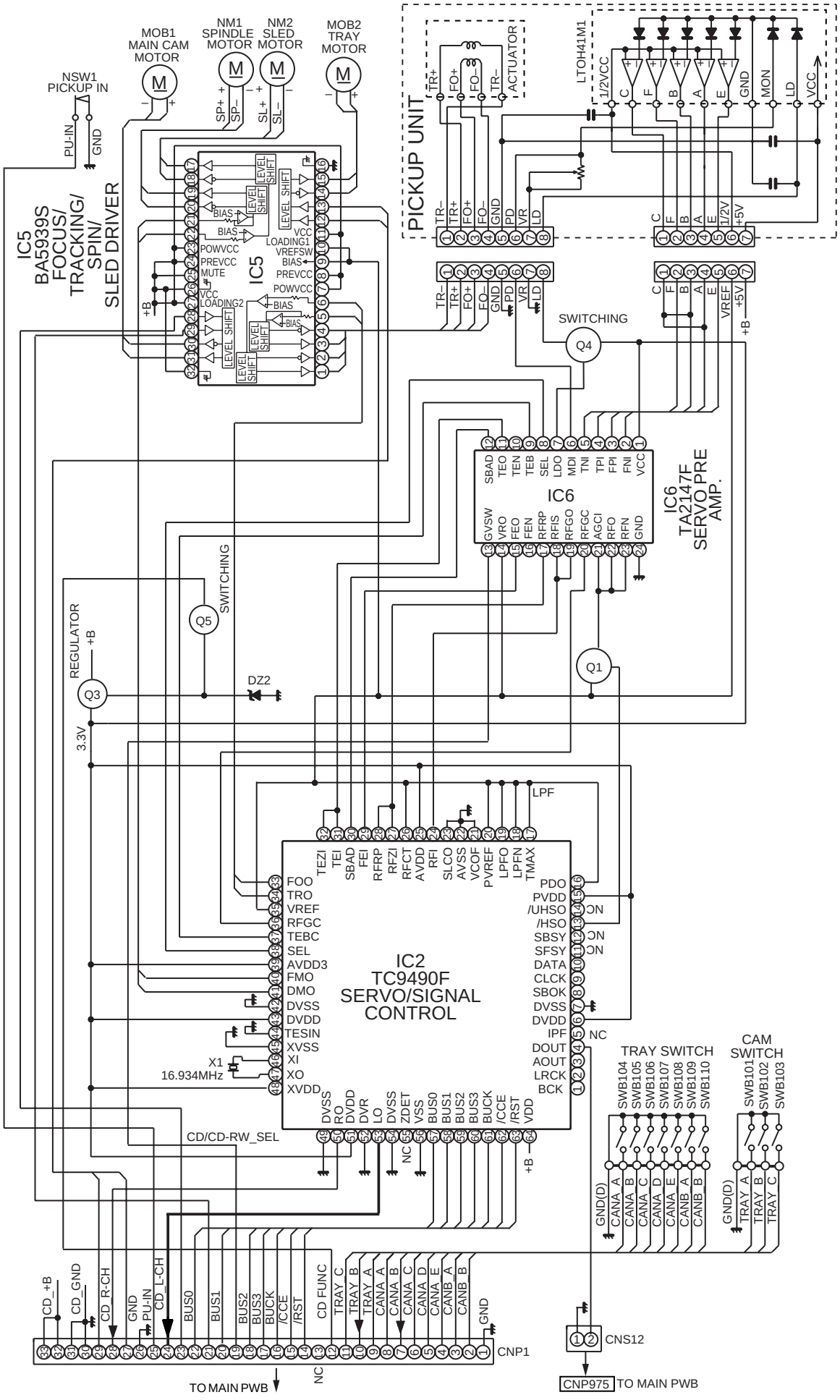
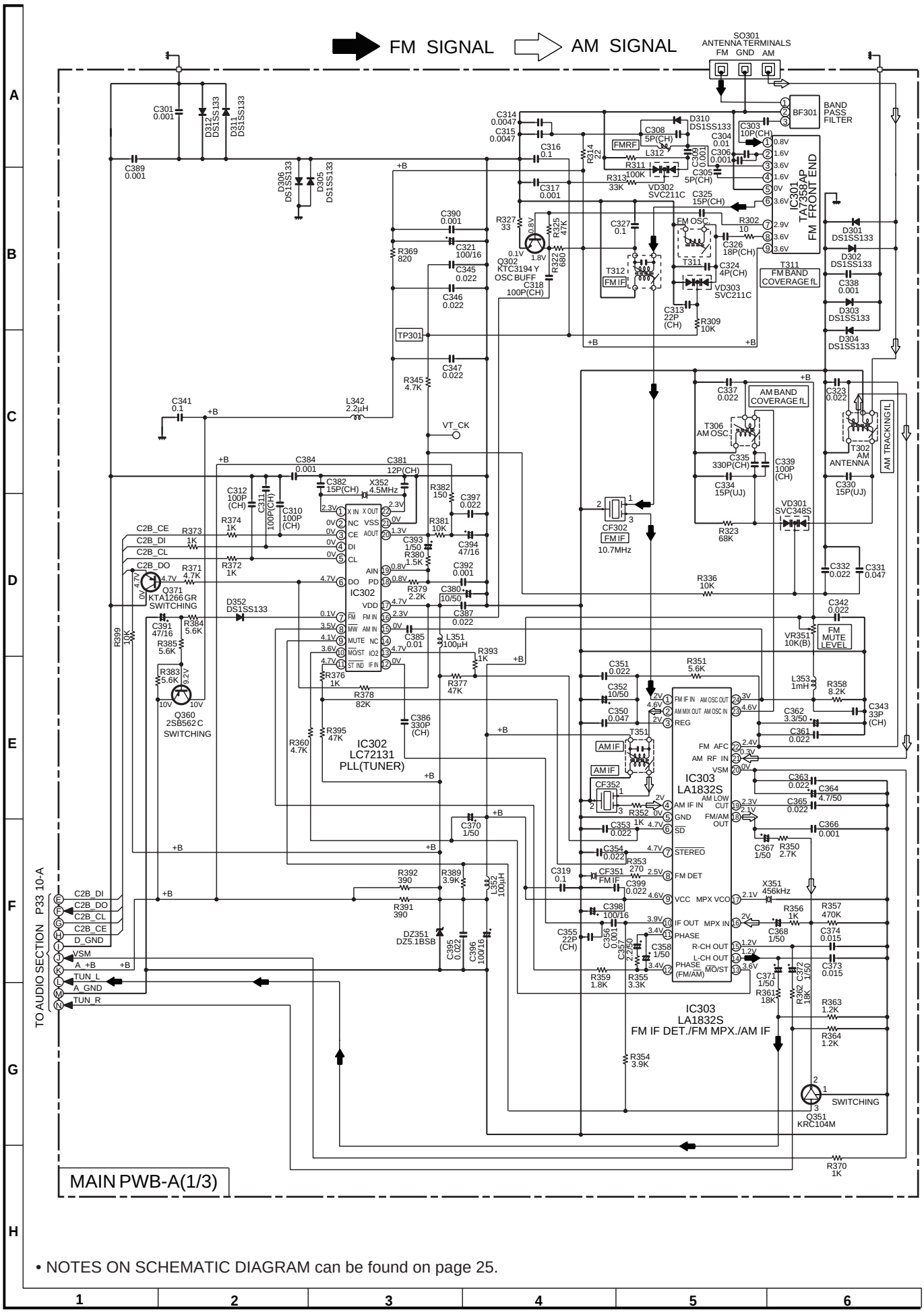
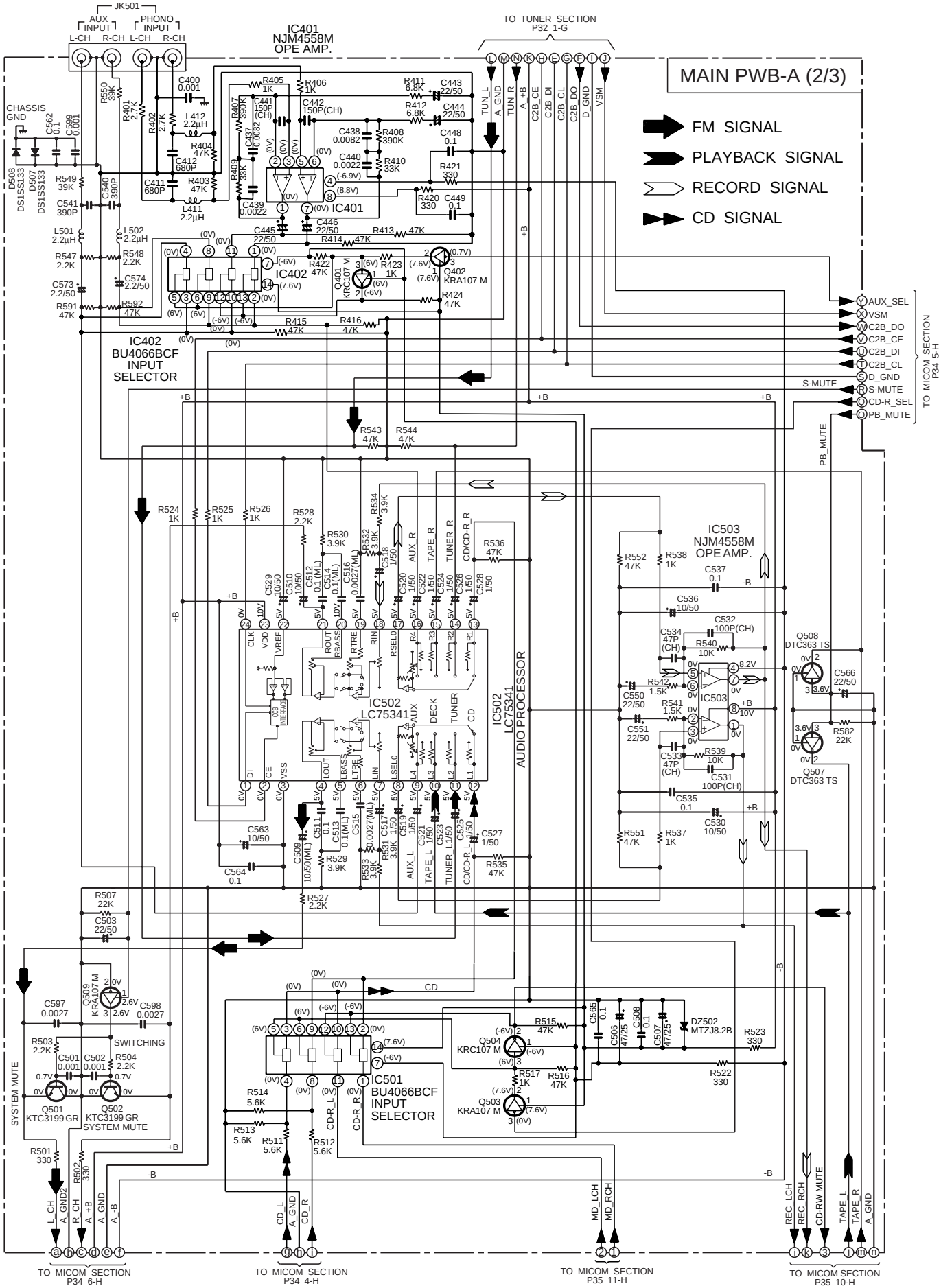



**Figure 31 BLOCK DIAGRAM (6/6)**



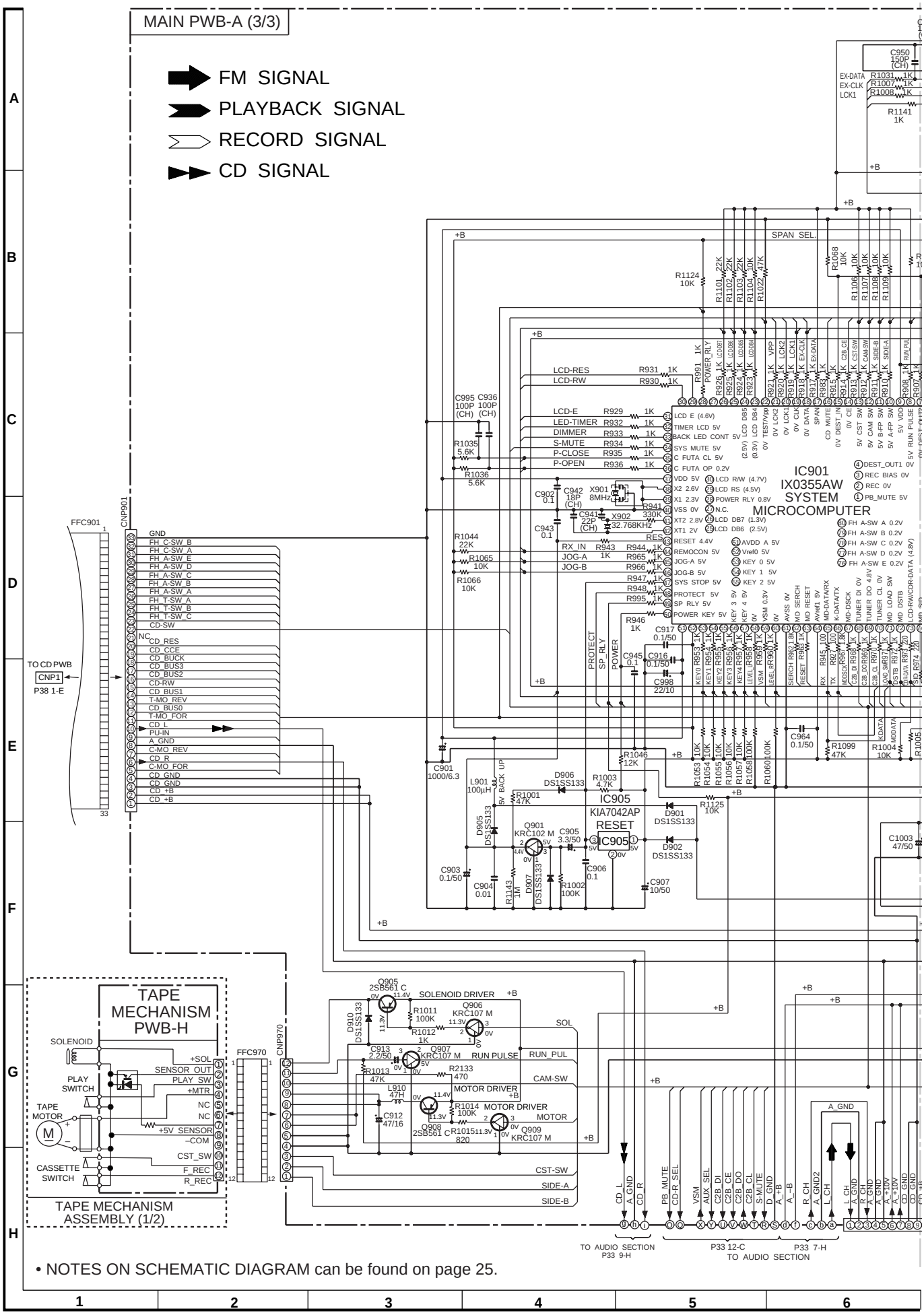

• NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

**Figure 32 SCHEMATIC DIAGRAM (1/11)**



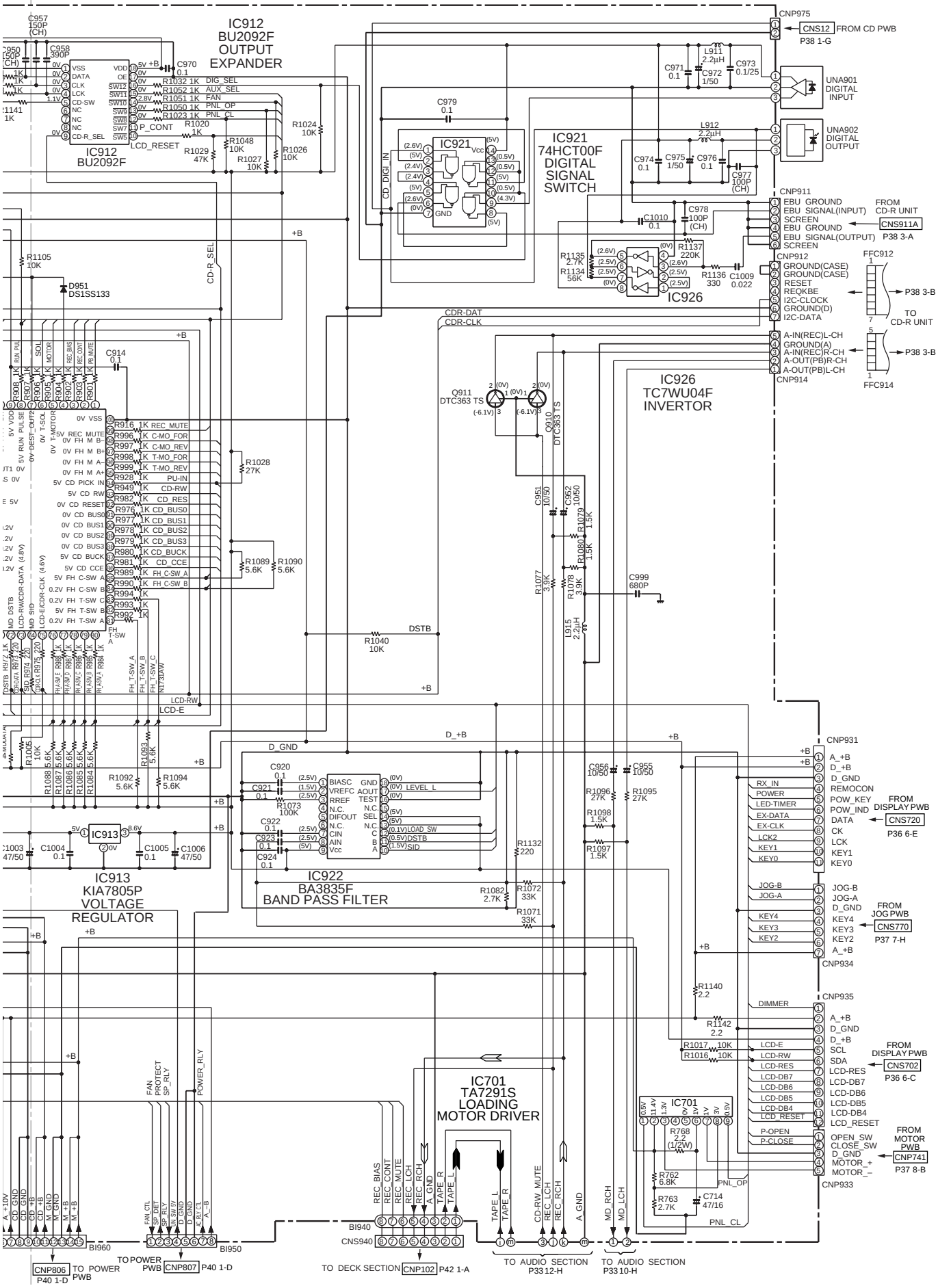

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 33 SCHEMATIC DIAGRAM (2/11)**



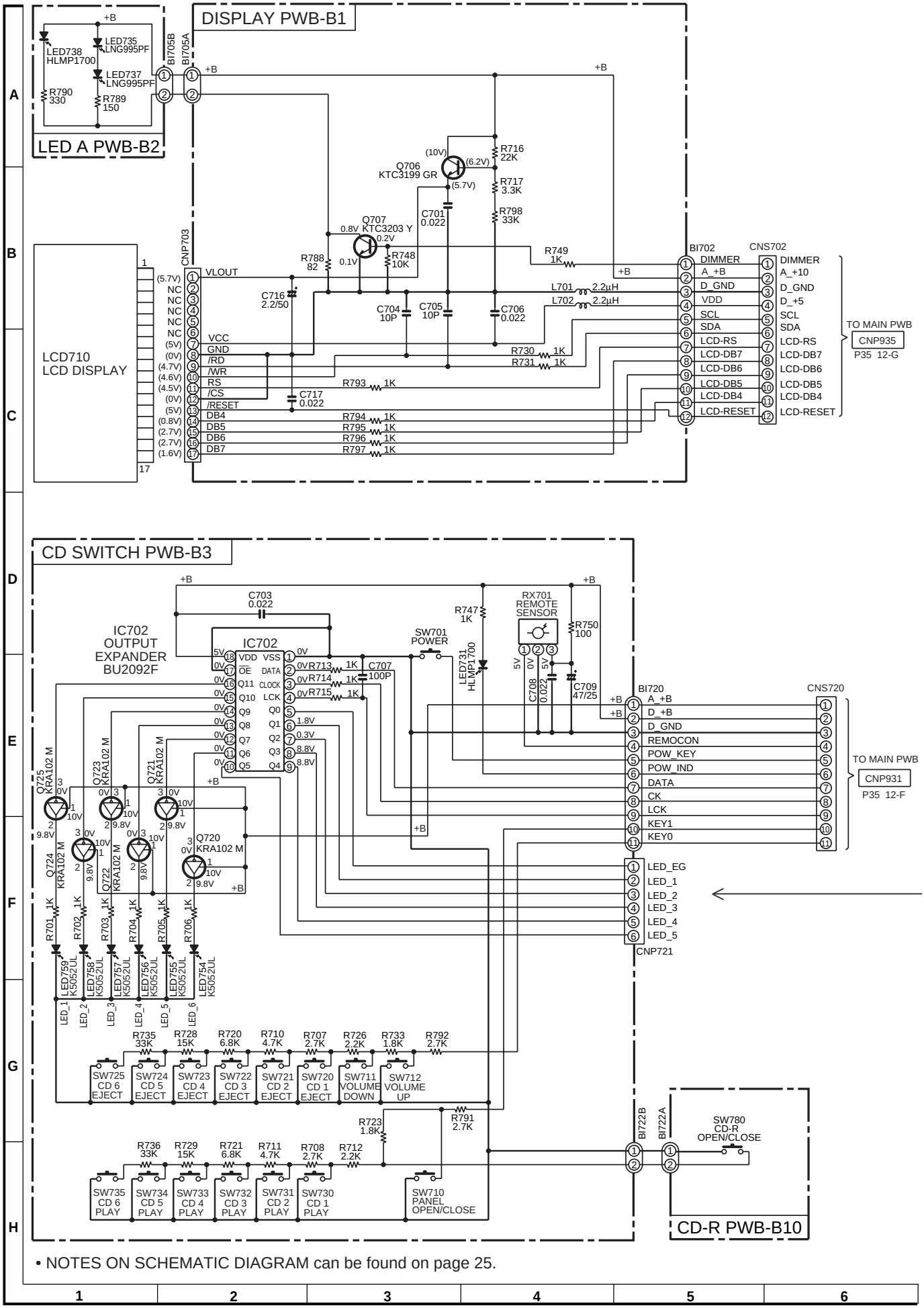

• NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

**Figure 34 SCHEMATIC DIAGRAM (3/11)**



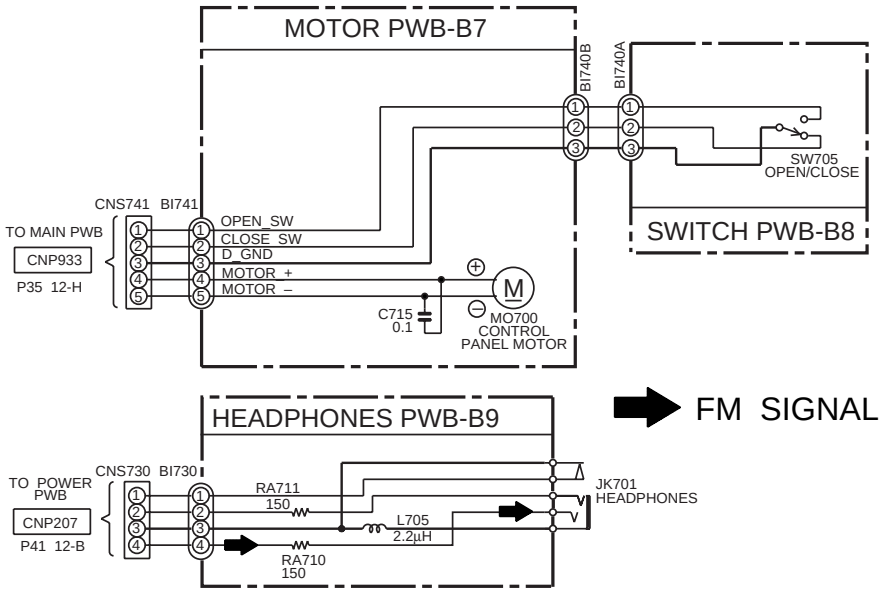

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

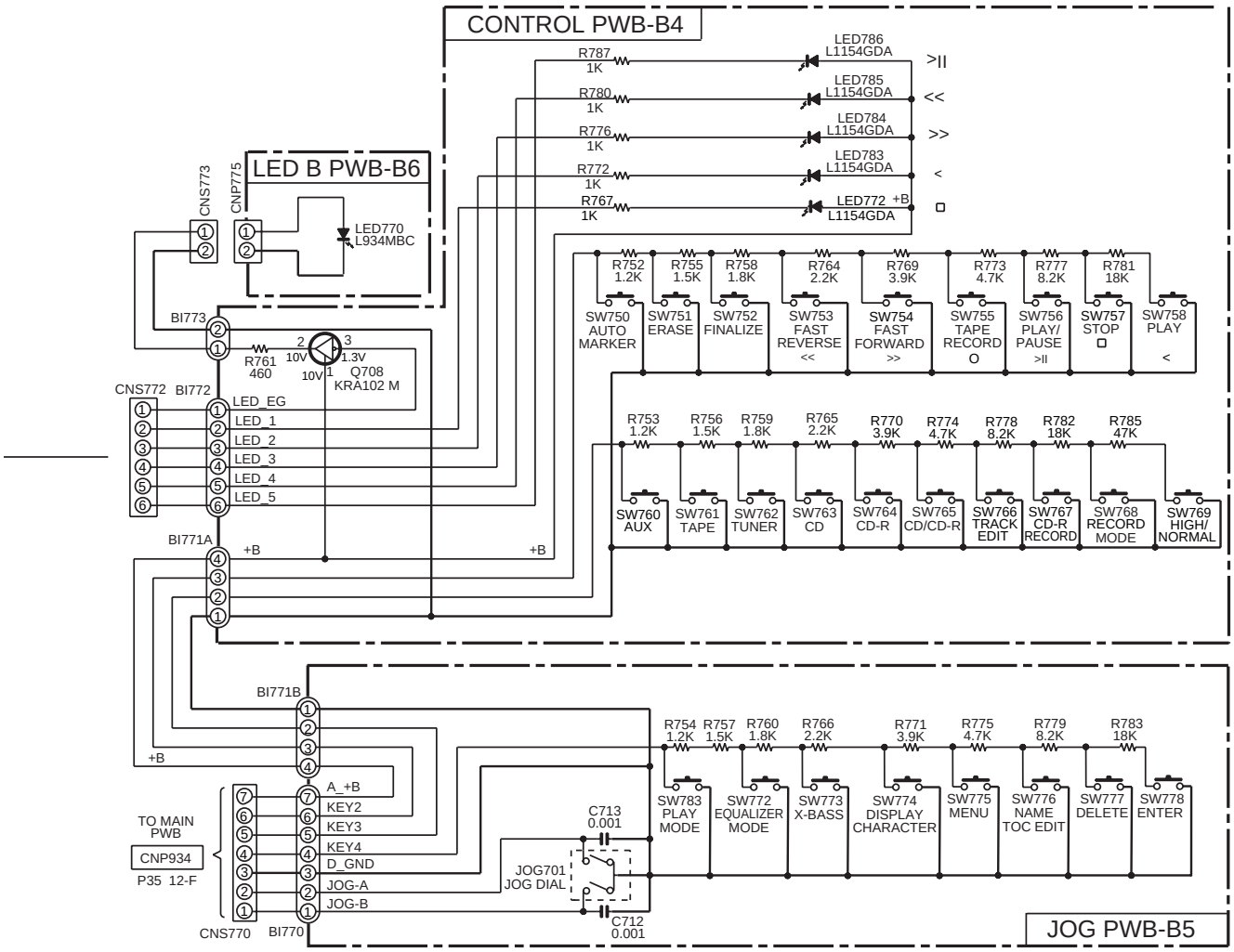
**Figure 35 SCHEMATIC DIAGRAM (4/11)**




• NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

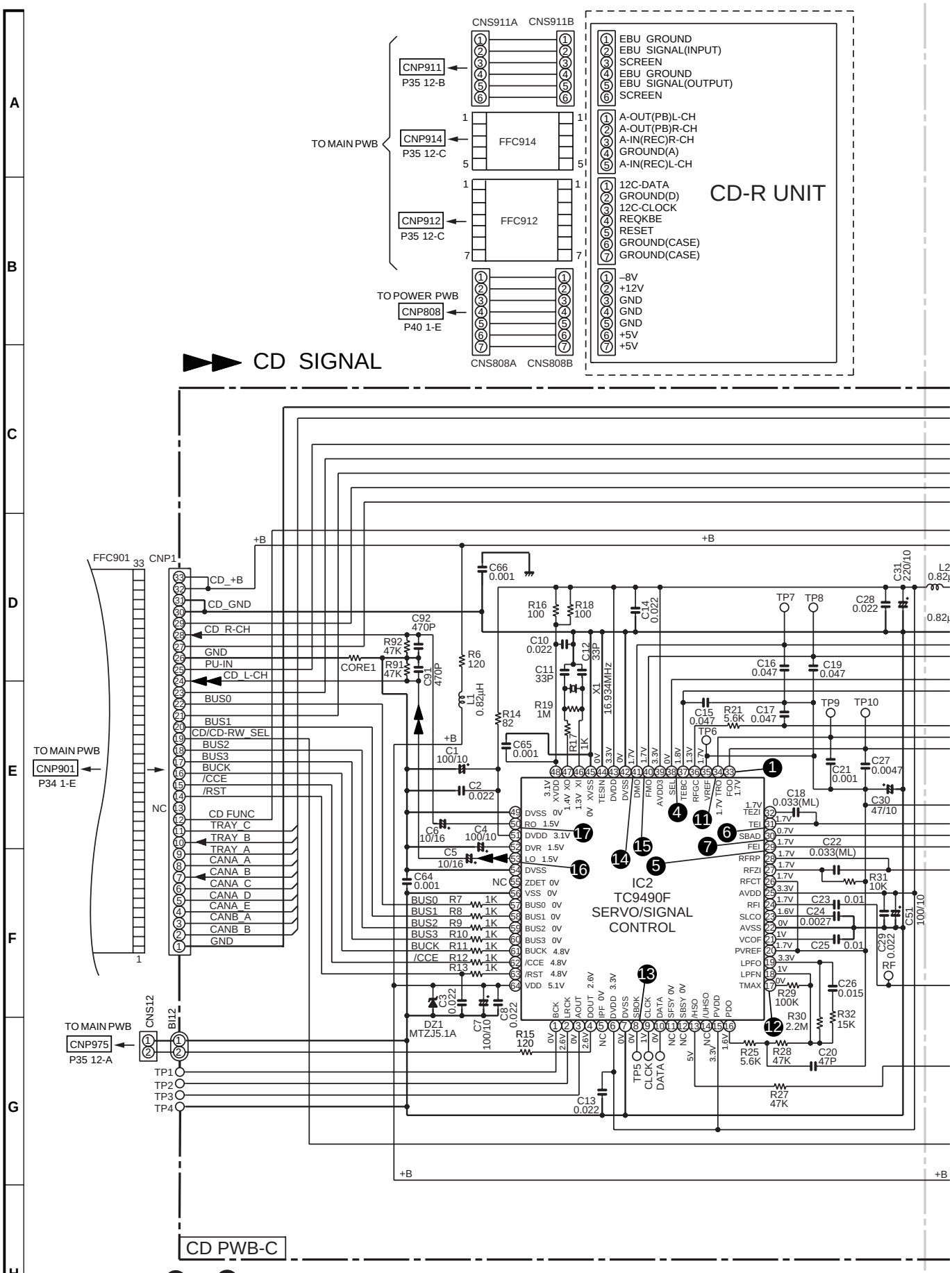
**Figure 36 SCHEMATIC DIAGRAM (5/11)**




| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

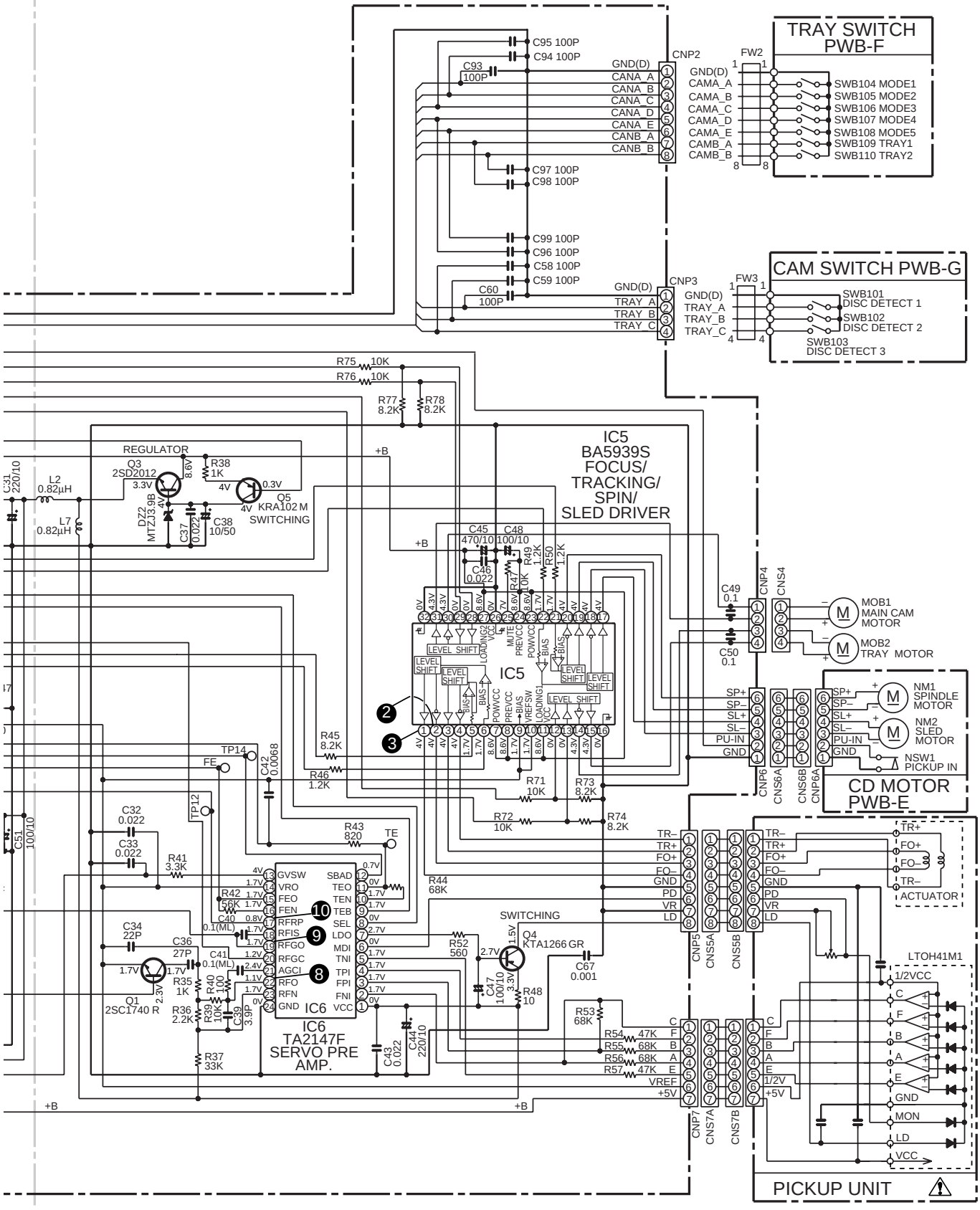
**Figure 37 SCHEMATIC DIAGRAM (6/11)**




• The numbers ❶ to ⑰ are waveform numbers shown in page 52.

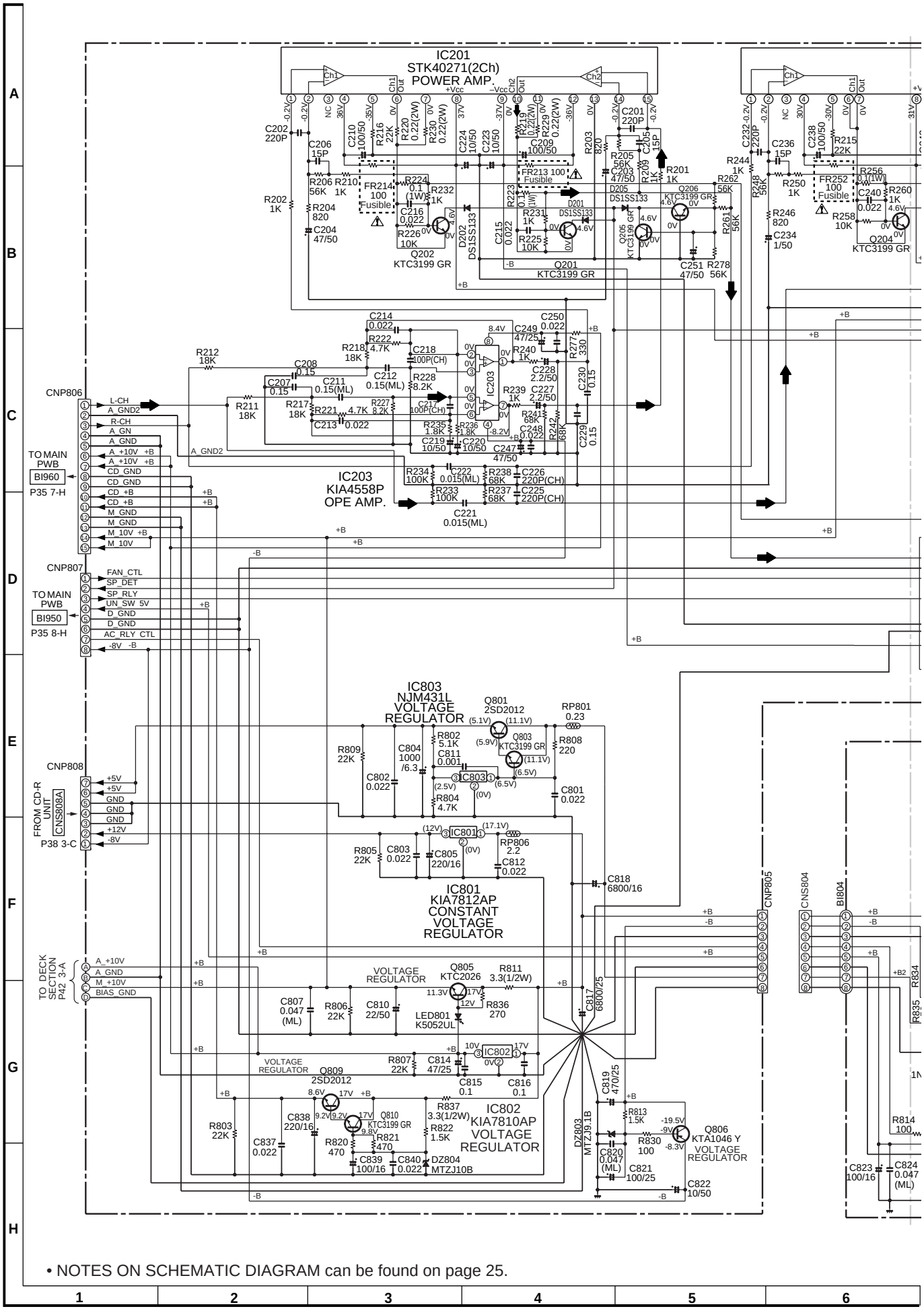
• NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

**Figure 38 SCHEMATIC DIAGRAM (7/11)**



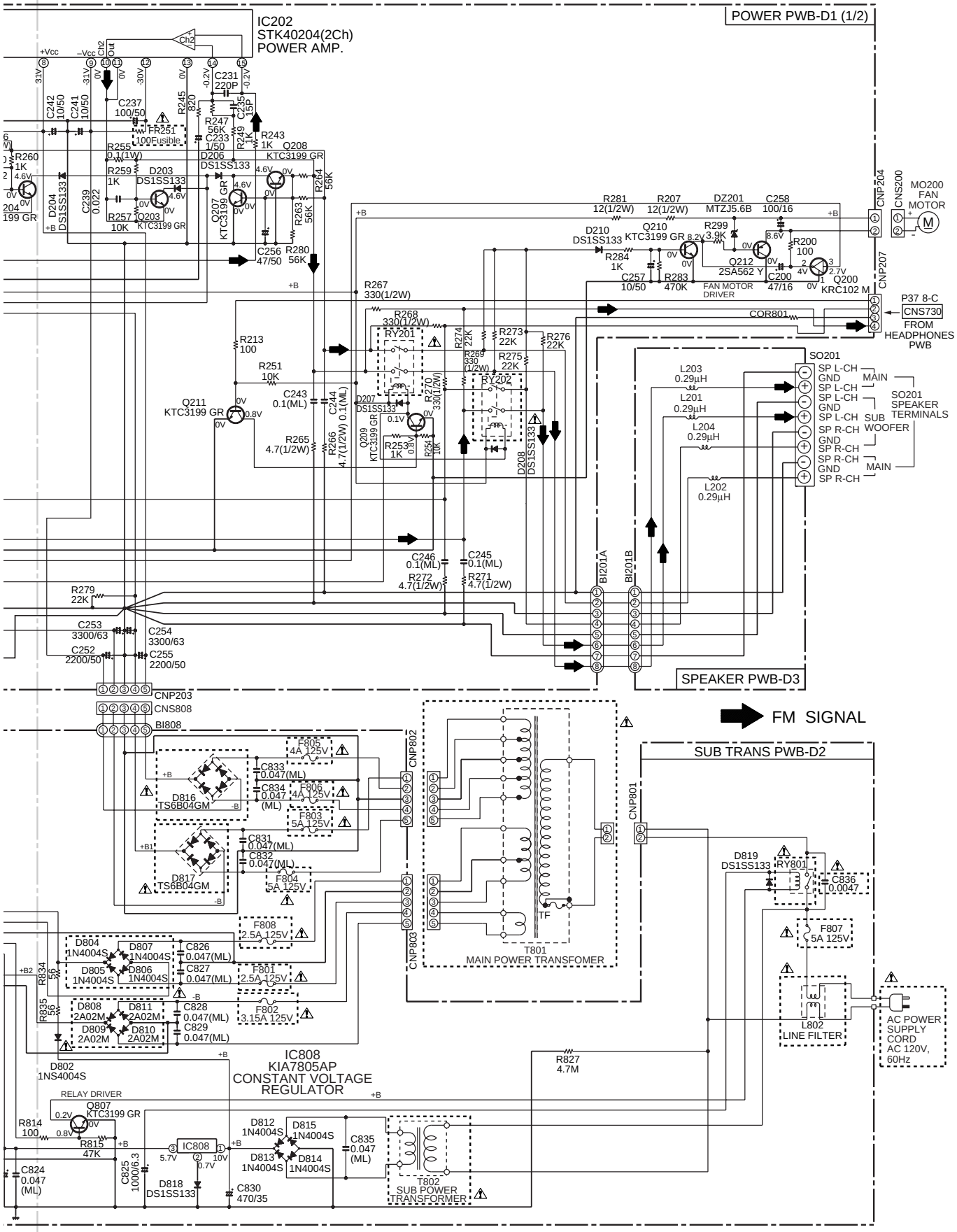

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 39 SCHEMATIC DIAGRAM (8/11)**



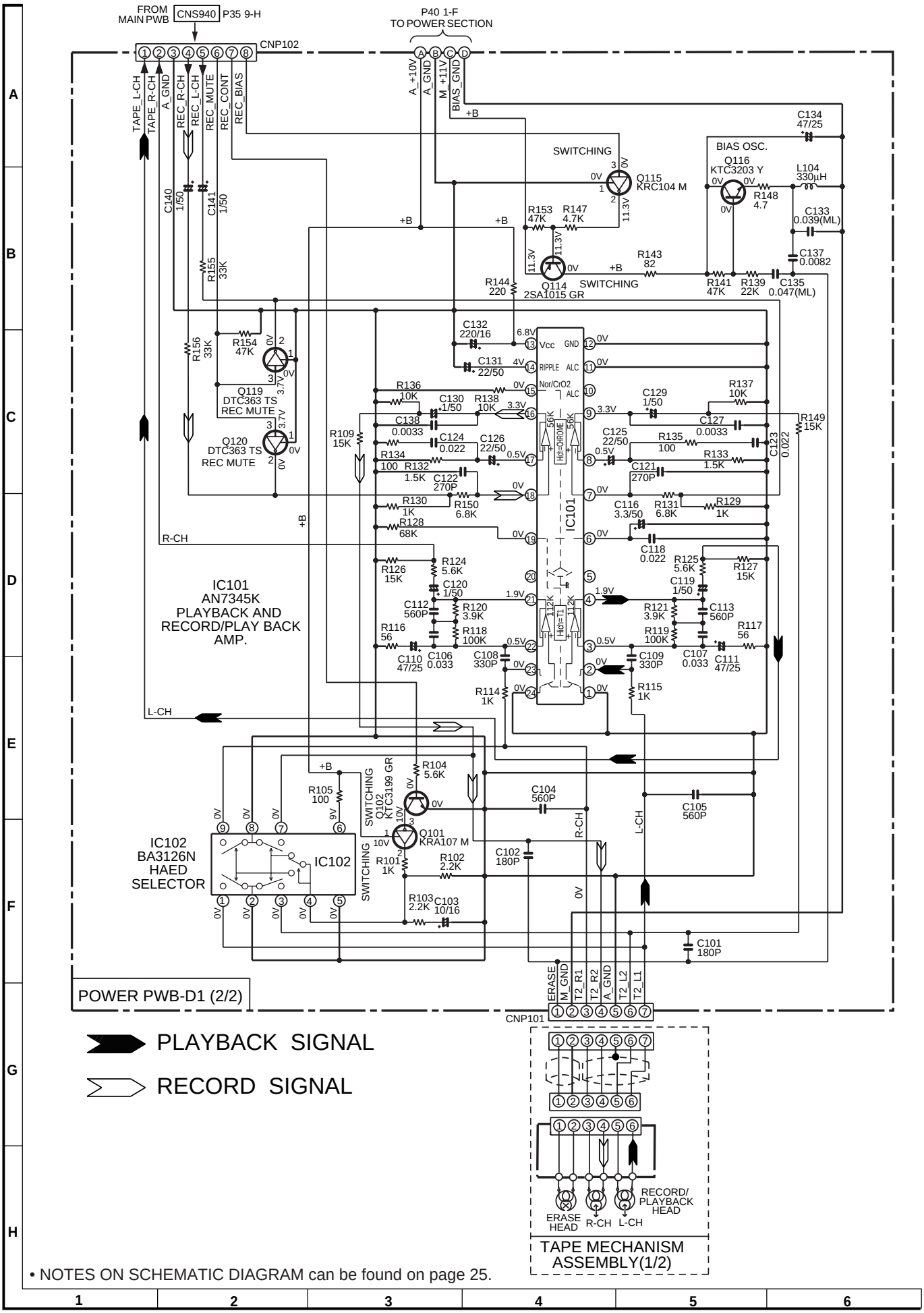

• NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

**Figure 40 SCHEMATIC DIAGRAM (9/11)**



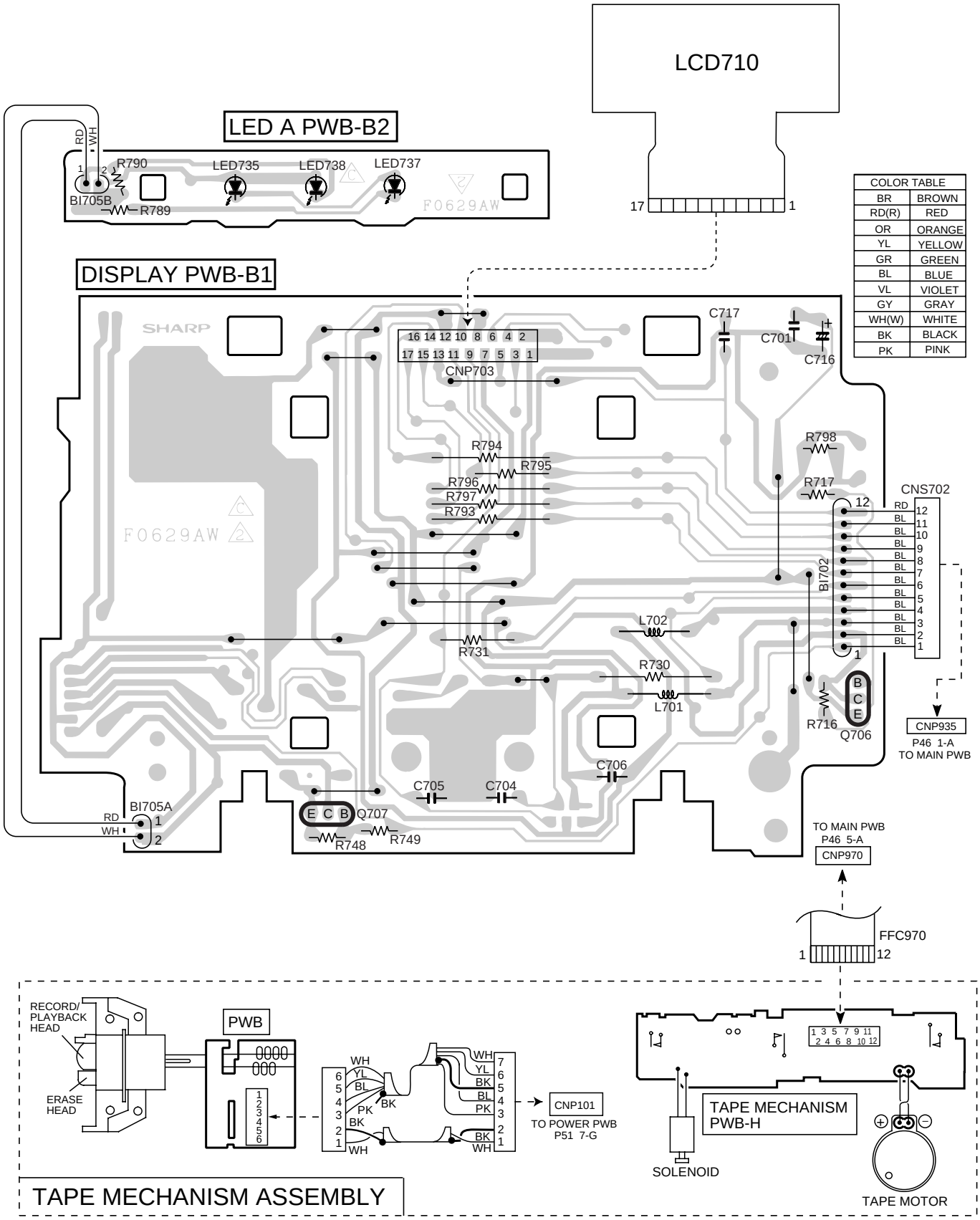

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 41 SCHEMATIC DIAGRAM (10/11)**




• NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

**Figure 42 SCHEMATIC DIAGRAM (11/11)**




| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 43 WIRING SIDE OF P.W.BOARD (1/9)**

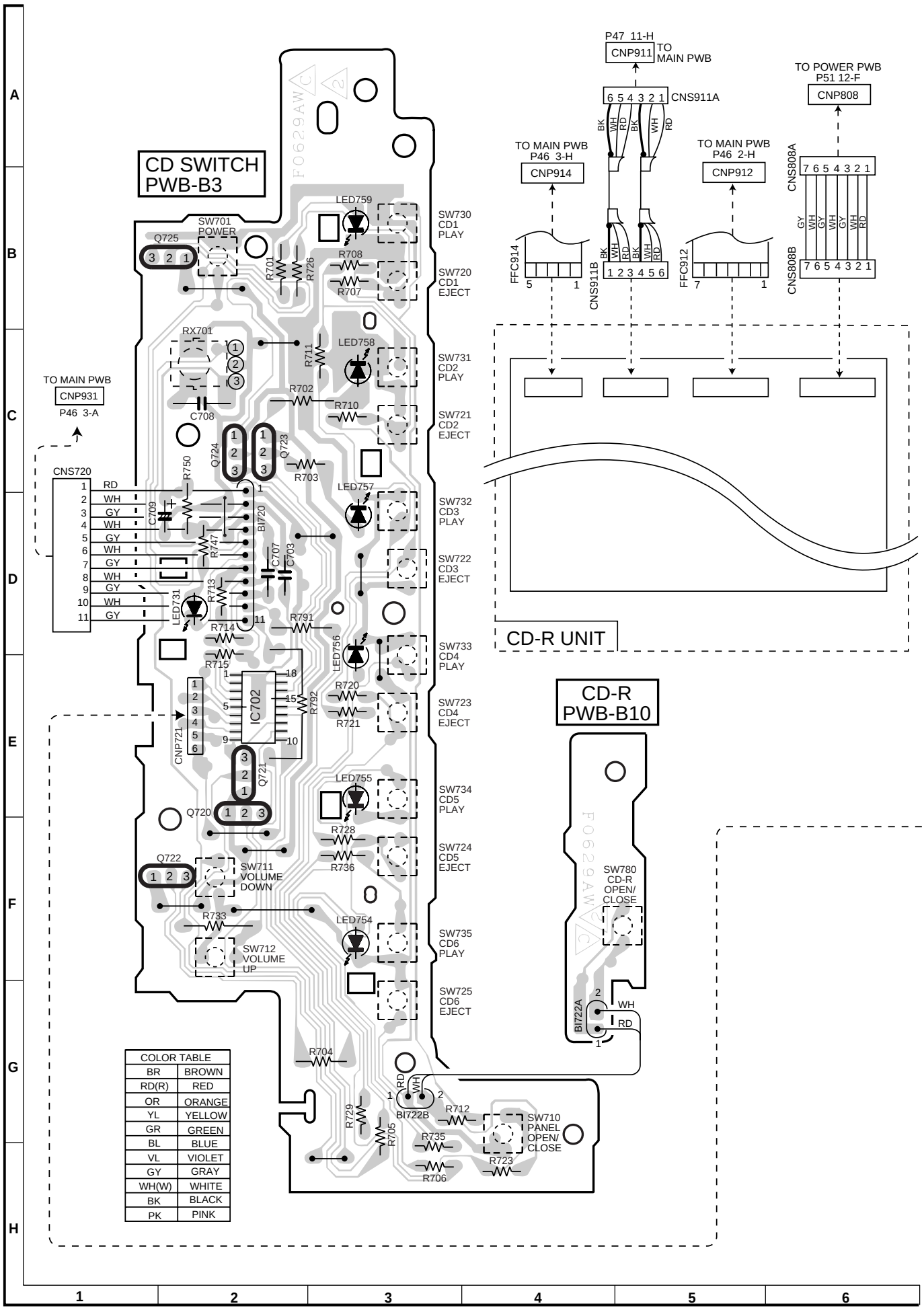
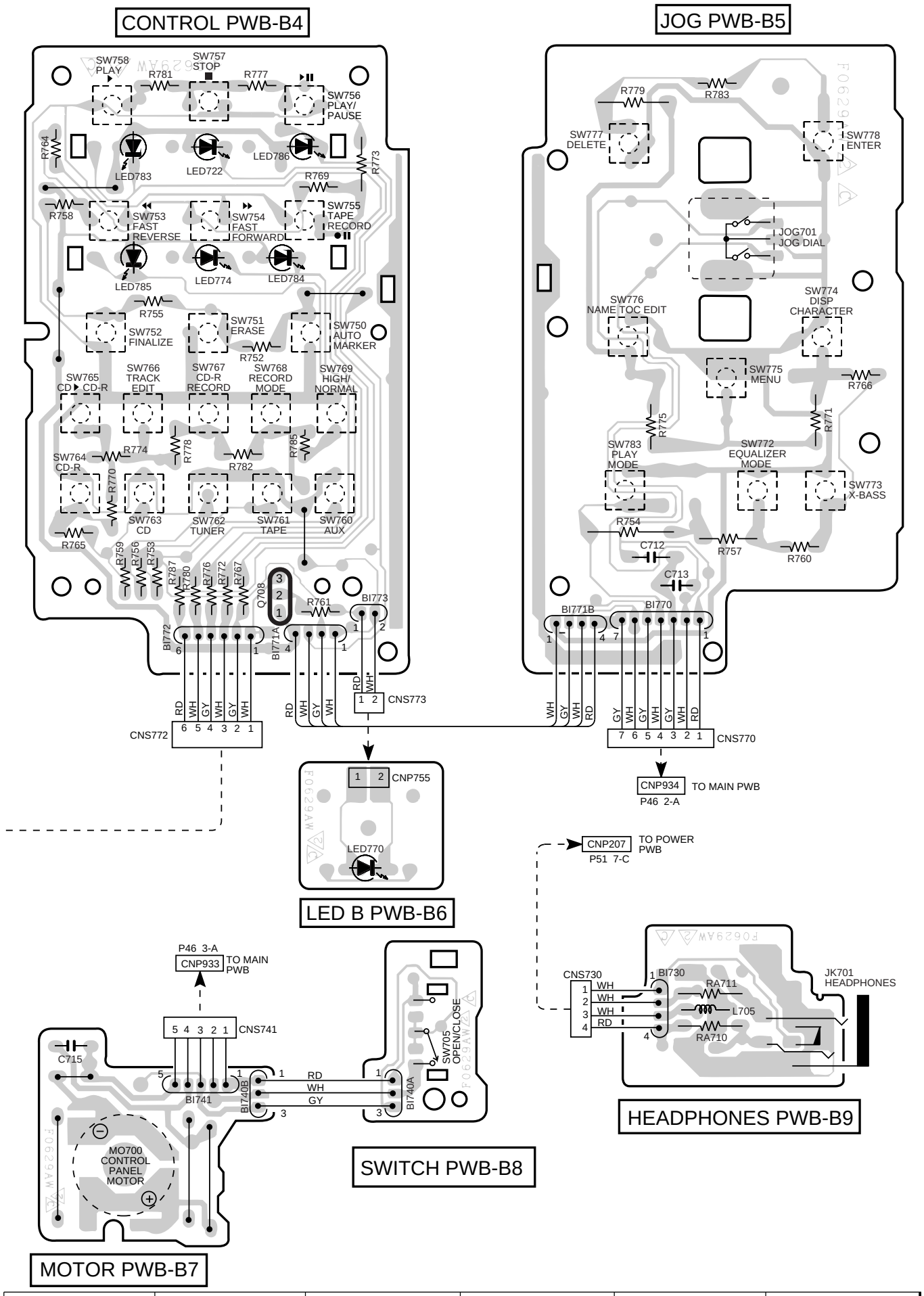



**Figure 44 WIRING SIDE OF P.W.BOARD (2/9)**




| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 45 WIRING SIDE OF P.W.BOARD (3/9)**

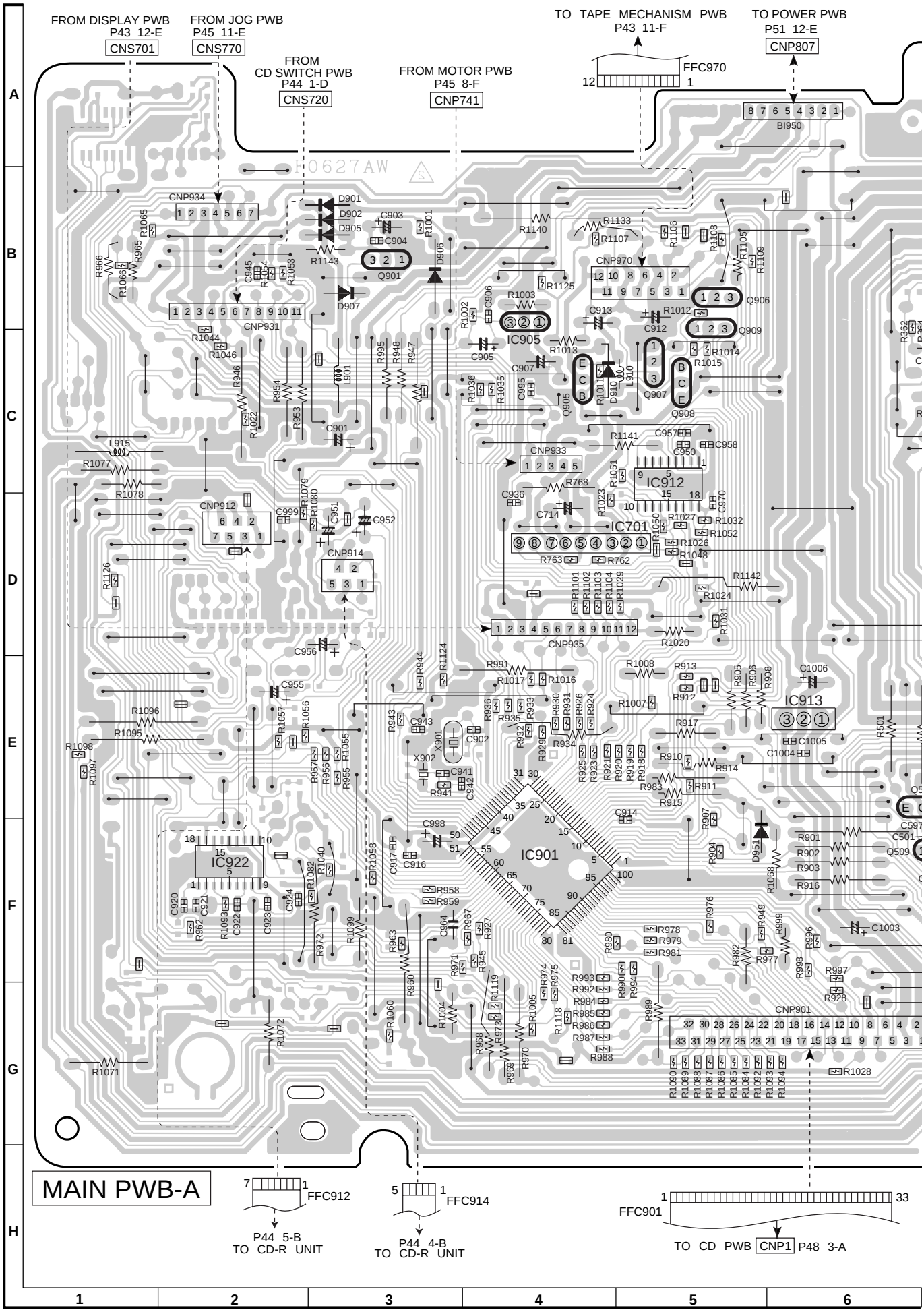
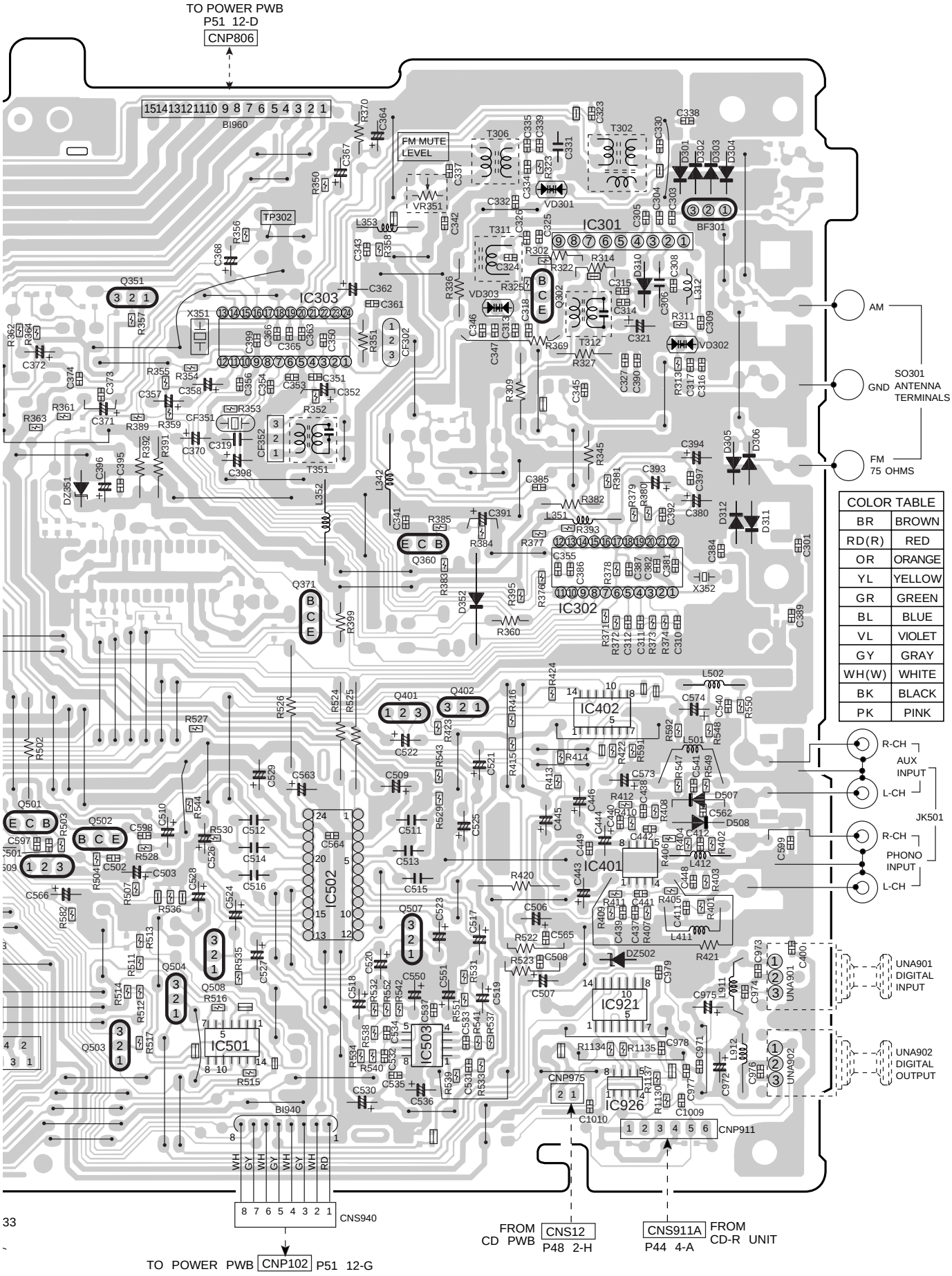



**Figure 46 WIRING SIDE OF P.W.BOARD (4/9)**




| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 47 WIRING SIDE OF P.W.BOARD (5/9)**

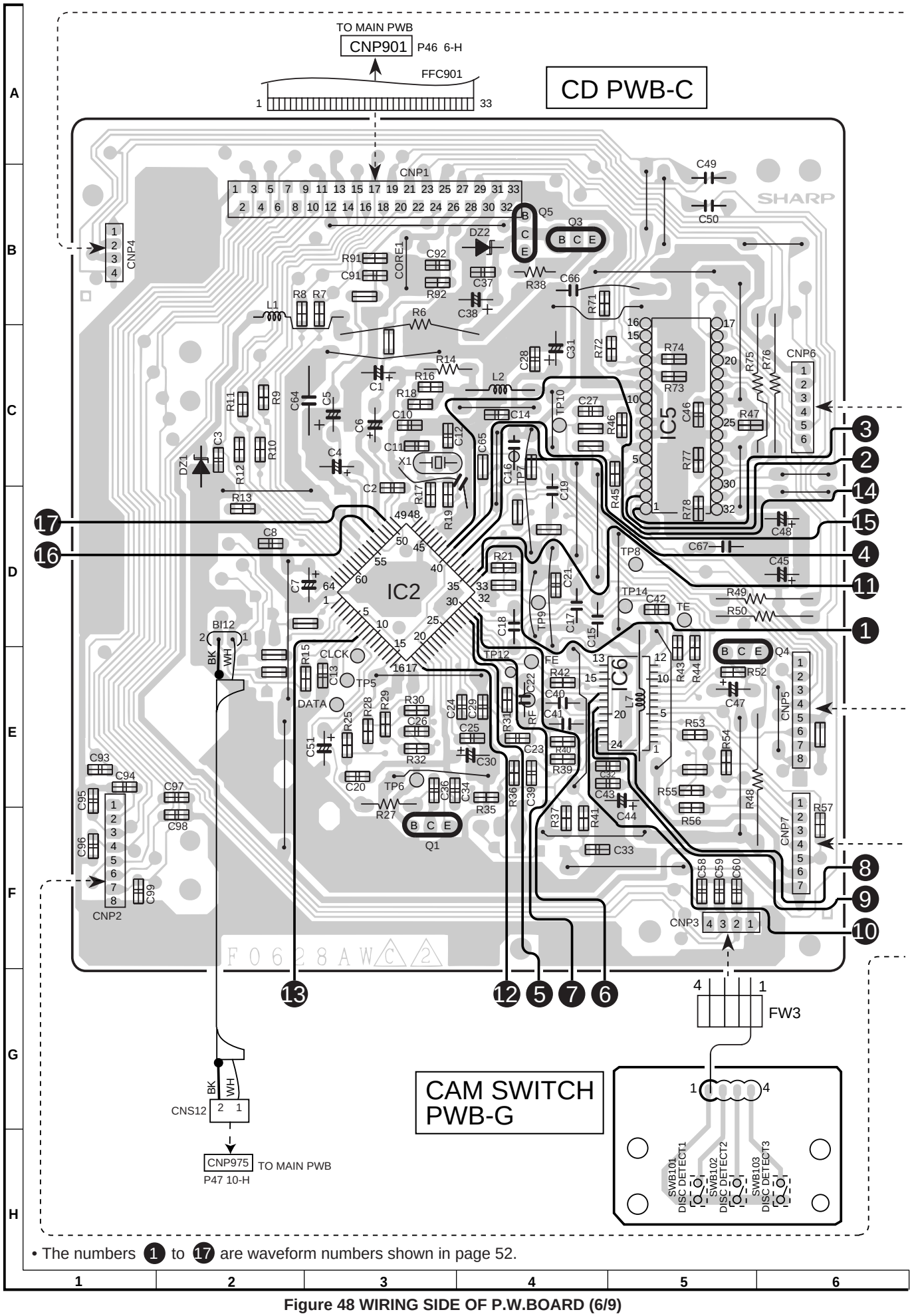
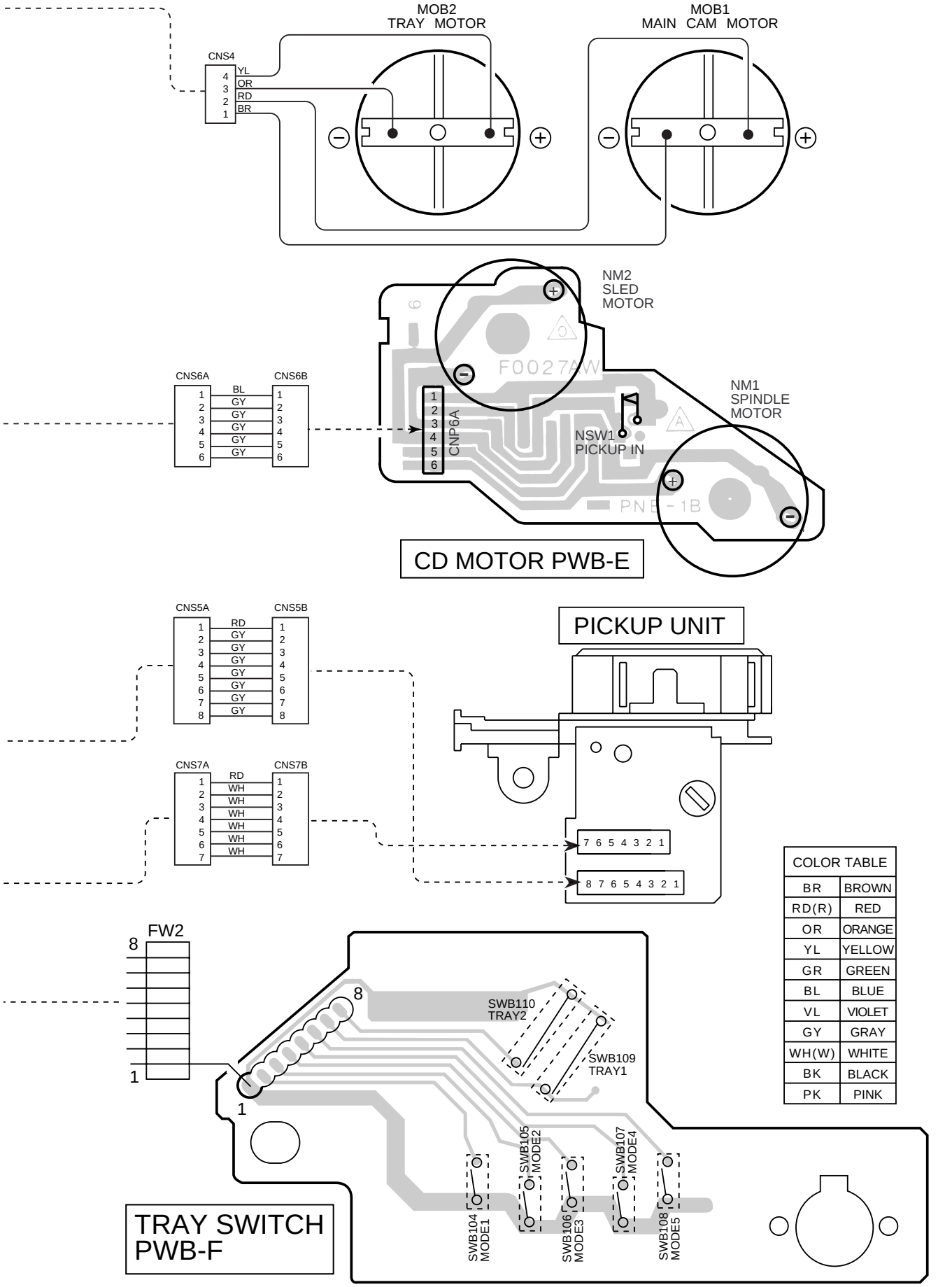



**Figure 48 WIRING SIDE OF P.W.BOARD (6/9)**




| COLOR TABLE | |
|---|---|
| BR | BROWN |
| RD(R) | RED |
| OR | ORANGE |
| YL | YELLOW |
| GR | GREEN |
| BL | BLUE |
| VL | VIOLET |
| GY | GRAY |
| WH(W) | WHITE |
| BK | BLACK |
| PK | PINK |

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 49 WIRING SIDE OF P.W.BOARD (7/9)**

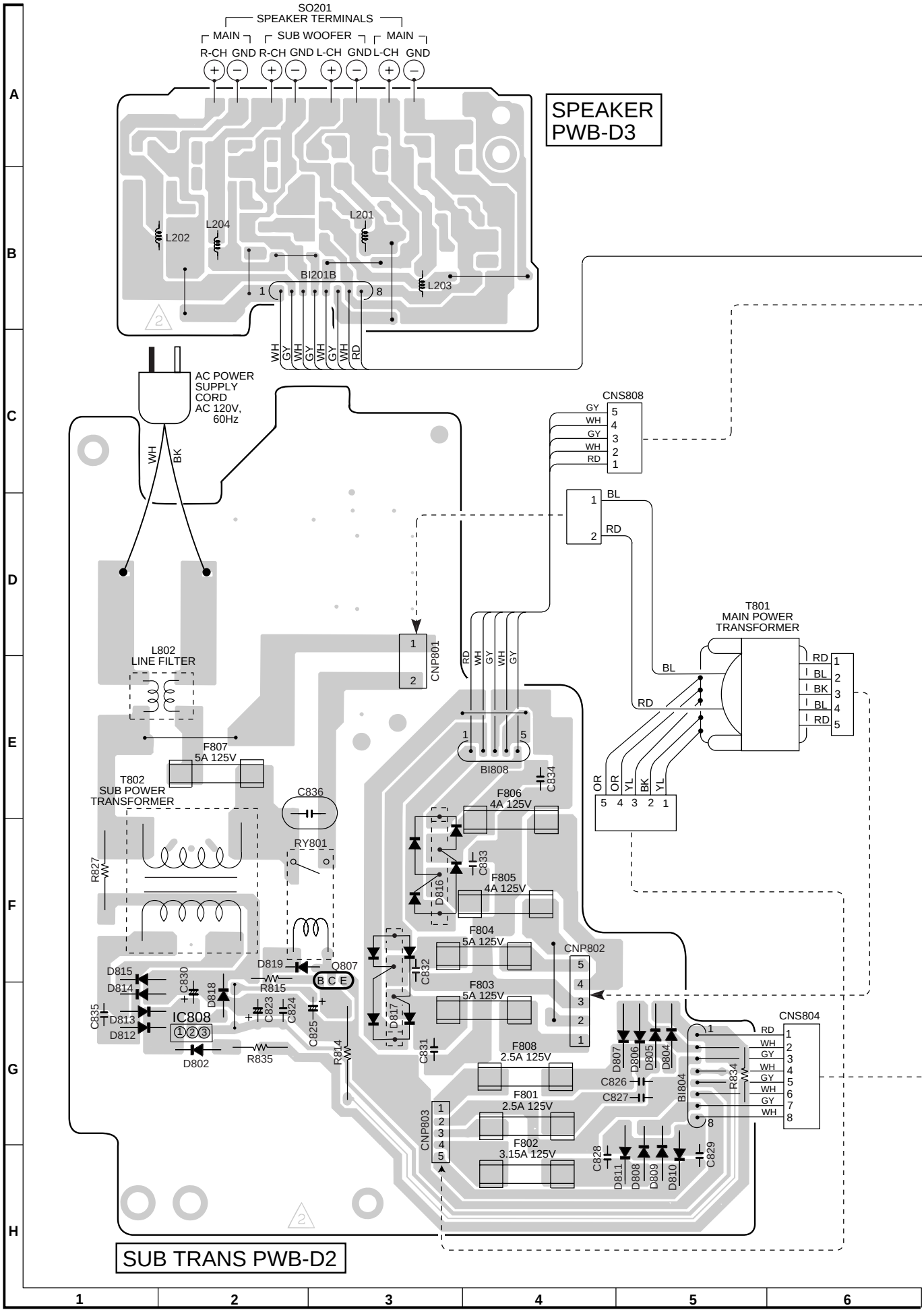
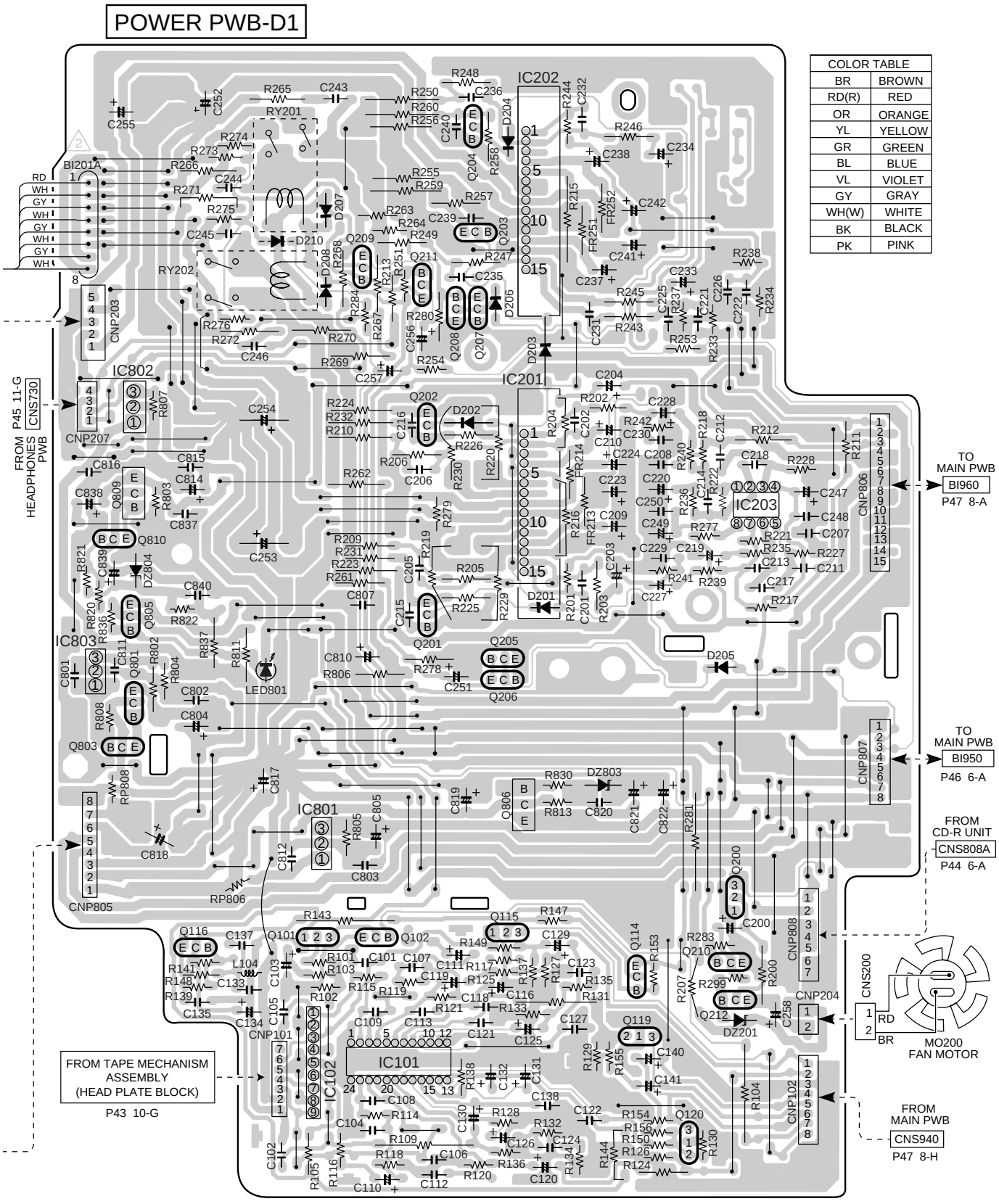



**Figure 50 WIRING SIDE OF P.W.BOARD (8/9)**




| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 51 WIRING SIDE OF P.W.BOARD (9/9)**

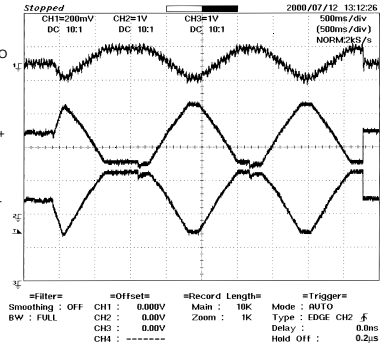
# WAVEFORMS OF CD CIRCUIT

NO DISC FOCUS SEARCH

1 FOO
IC2 33pin

2 FO+
IC5 2pin

3 FO-
IC5 1pin

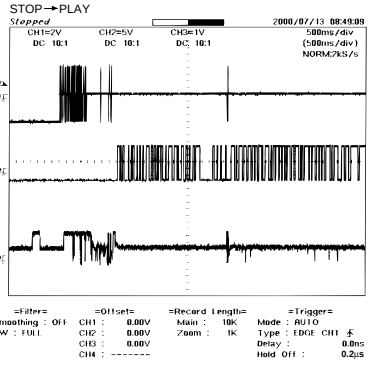


STOP→PLAY

12 TMAX
IC2 17pin

13 SBOK
IC2 8pin

14 DMO
IC2 41pin

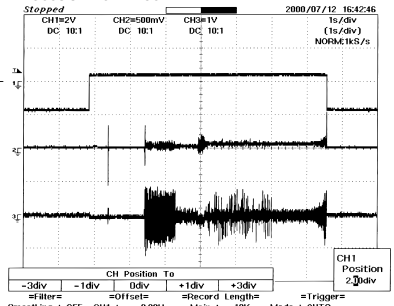


FOCUS SEARCH→TOC IL

4 SEL
IC2 38pin

5 FEI
IC2 29pin

6 TEI
IC2 31pin

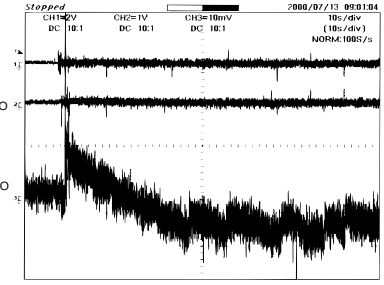


STOP→PLAY

6 TEI
IC2 31pin

11 TRO
IC2 34pin

15 FMO
IC2 40pin

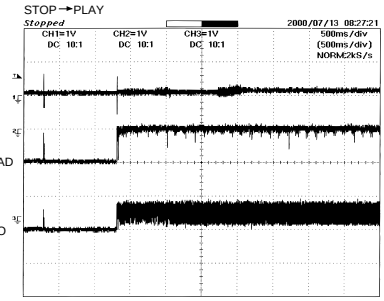


STOP→PLAY

5 FEI
IC2 29pin

7 SBAD
IC2 30pin

8 RFO
IC6 22pin

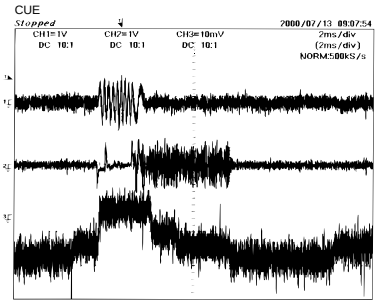


CUE

6 TEI
IC2 31pin

11 TRO
IC2 34pin

15 FMO
IC2 40pin

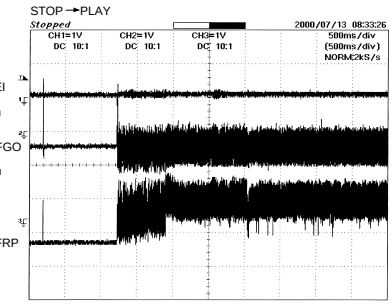


STOP→PLAY

5 FEI
IC2 29pin

9 RFGO
IC6 19pin

10 RFRP
IC6 17pin

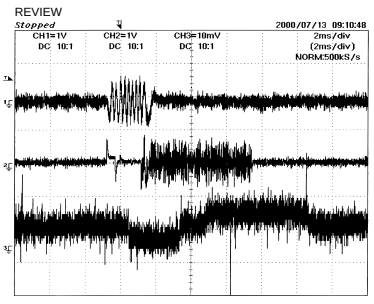


REVIEW

6 TEI
IC2 31pin

11 TRO
IC2 34pin

15 FMO
IC2 40pin

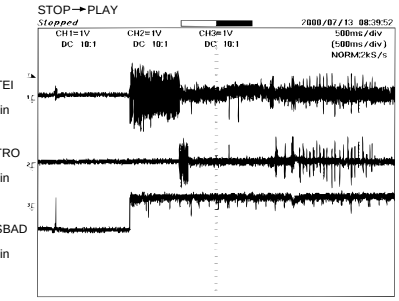


STOP→PLAY

6 TEI
IC2 31pin

11 TRO
IC2 34pin

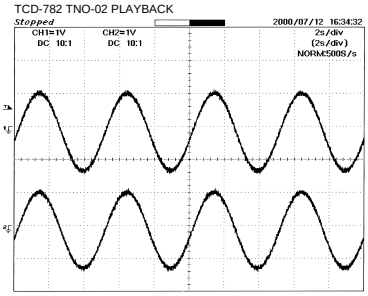
7 SBAD
IC2 30pin



TCD-782 TNO-02 PLAYBACK

16 LO
IC2 53pin

17 RO
IC2 50pin



# TROUBLESHOOTING

## When the CD does not function

When the CD section does not operate when the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.
Remove the cabinet and follow the troubleshooting instructions.
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.
Do not touch the lens with the bare hand.

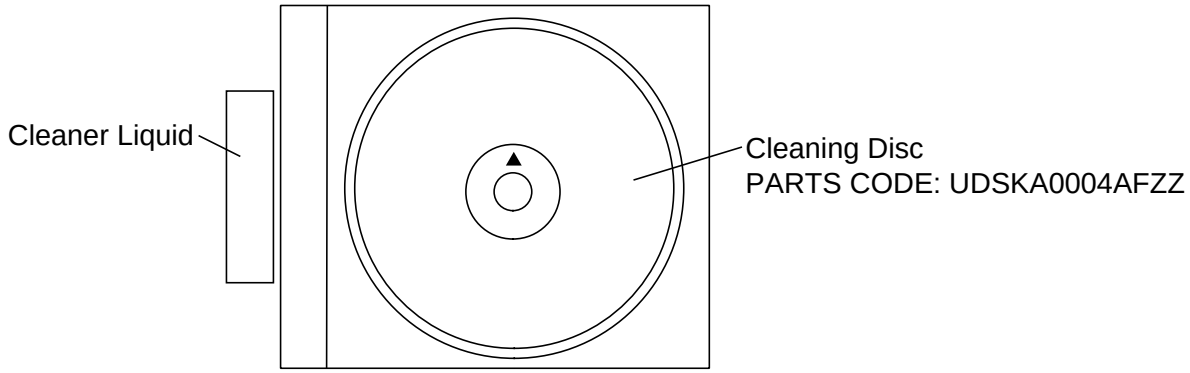
Dust gradually accumulates on the objective lens during use, and it may degrade performance. To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

**HOW TO USE**

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the ▲ mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continues to turn, press the stop button.

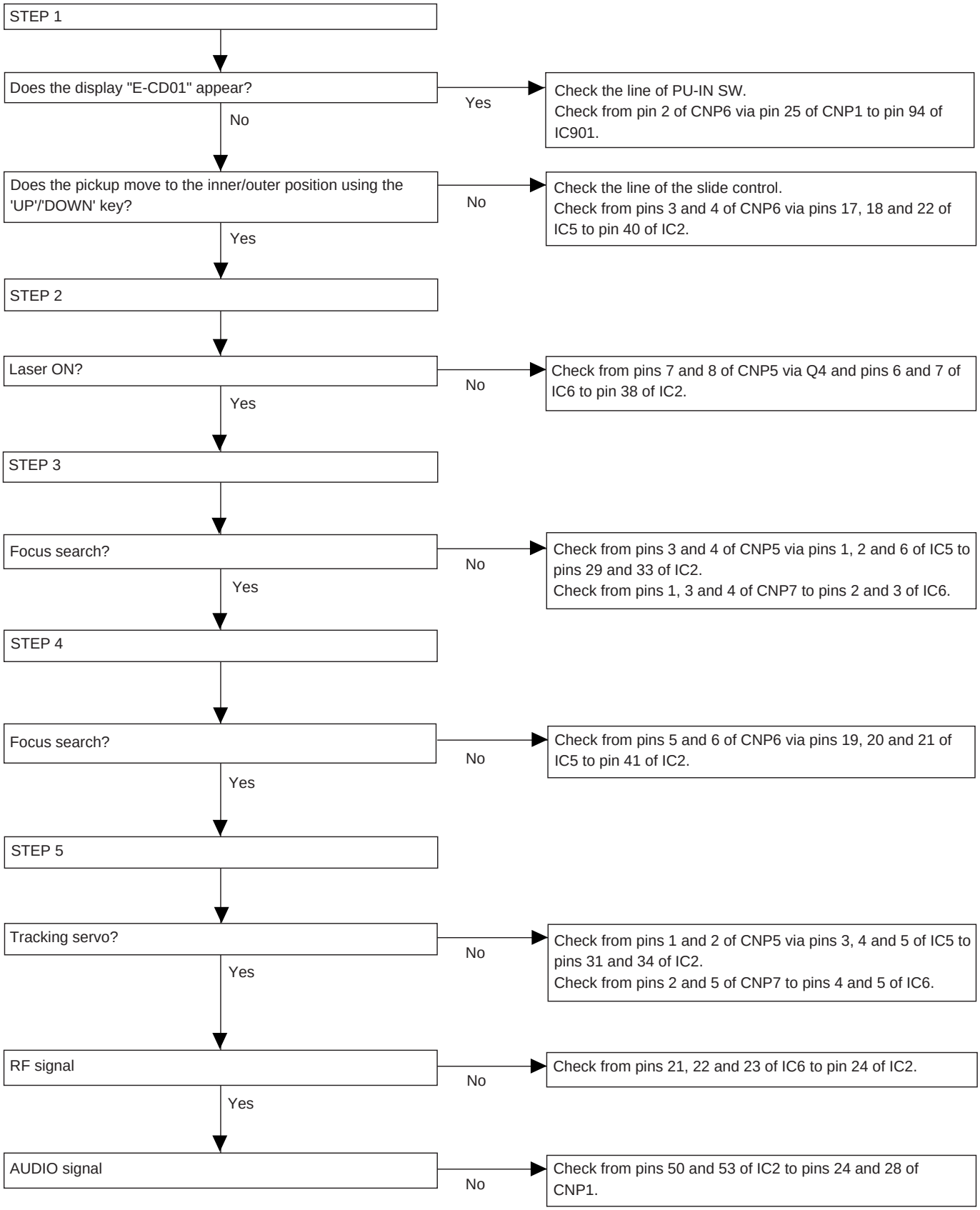
**CAUTION**

- The CD lens cleaner should be effective for 30~50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD ROM drives.
- 



## CD-RW5000

### Check in the CD test mode.



## Troubleshooting for CD-R unit

Check the items 1, 2 and 3. If the playback/recording operation is not possible, the CD-R unit is defective.
When no sound is heard during playback, check the item 4. If there are no output signals, CD-R unit is defective.

1. Check of supply voltage
   - -8V Pin 1 of CNP808
   - +12V Pin 2 of CNP808
   - +5V Pins 6 and 7 of CNP808

2. Check of control signal from the system microcomputer
   1. DATA Pin 7 of CNP912
   2. CLOCK Pin 5 of CNP912
   3. RESET Pin 3 of CNP912

3. Check of recording signal
   CD or AUX OPT (Digital)
   EBU INPUT Pin 1 of CNP911
   OTHER FUNCTION (Analog)
   A-IN L-ch, R-ch Pin 3 and 5 of CNP914

4. Check of playback signal
   A-OUT L-ch, R-ch Pins 1 and 2 of CNP914

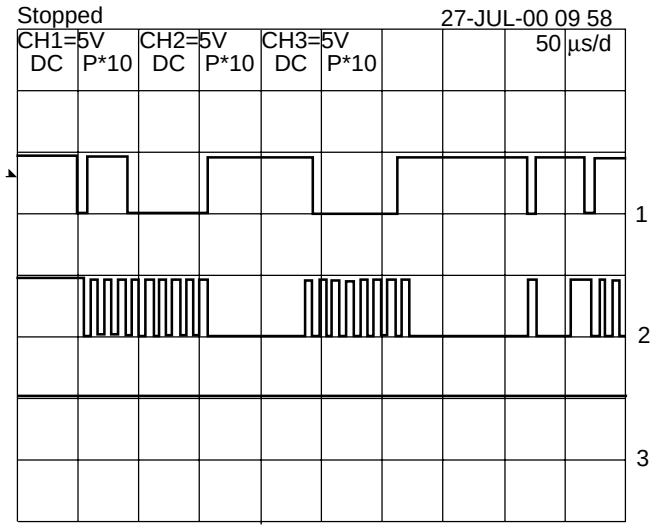



**Figure 55-1**

## Troubleshooting during phono input of stereo turntable

Since this unit is not provided with an earth terminal, the hum noise may be increased during playback when it is connected to a record player having an earth lead separated from a RCA lead.
In such a case, replace the screw shown in the following figure with XJBSD30P10000 and connect the earth lead of the player.
(Replace the black screw with a general un painted screw.)

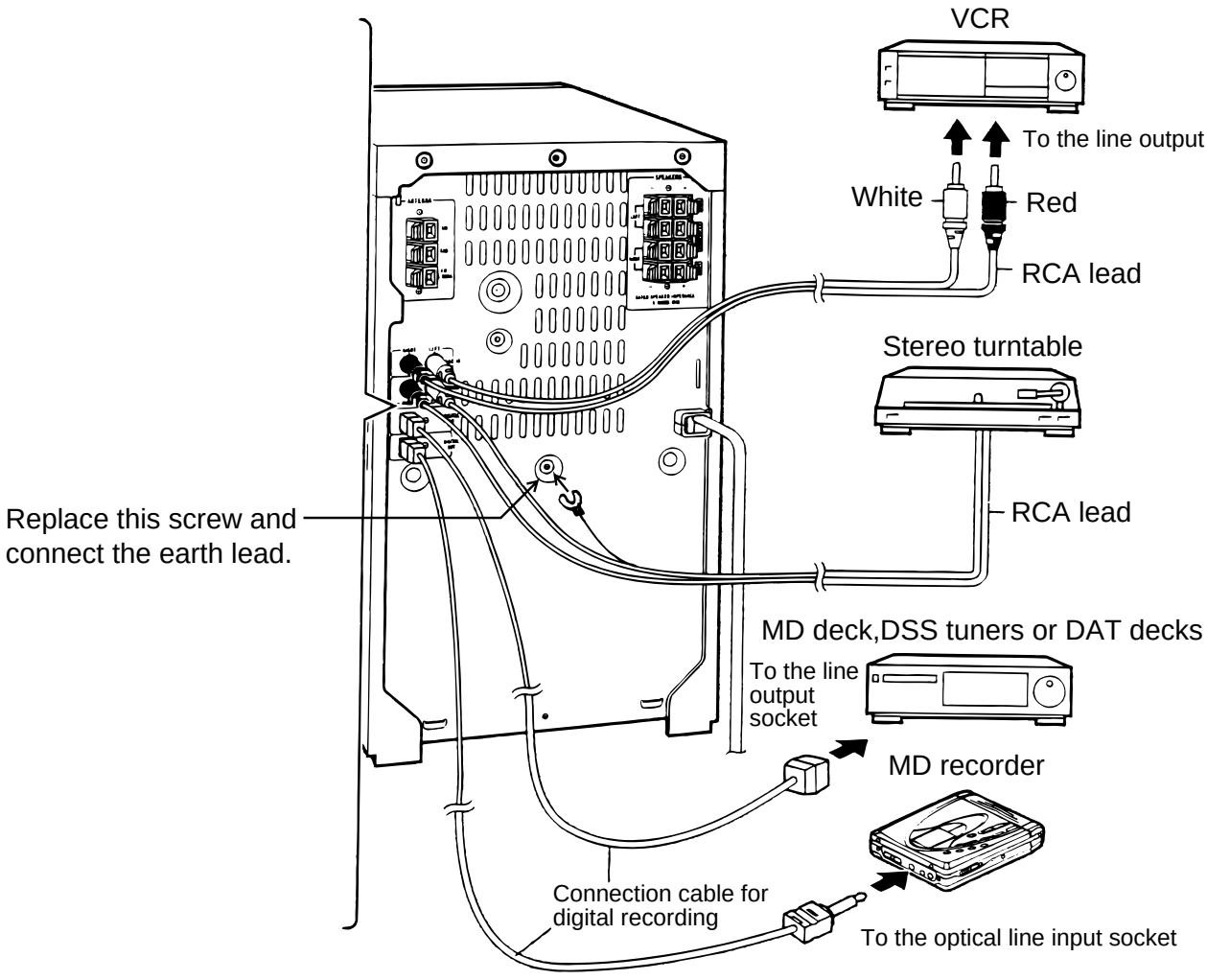



**Figure 55-2**

# FUNCTION TABLE OF IC

## IC2 VHiTC9490F/-1: Servo/Signal Control (TC9490F) (1/2)

<table>
<tr><th>Pin No.</th><th>Terminal Name</th><th>Input/Output</th><th>Function</th></tr>
<tr><td>1</td><td>BCK</td><td>Output</td><td>Bit clock output terminal. 32fs, 48fs or 64fs can be selected by command.</td></tr>
<tr><td>2</td><td>LRCK</td><td>Output</td><td>L/R channel clock output terminal. L channel: "L", R channel: "H".<br>the output polarity can be inverted by command.</td></tr>
<tr><td>3</td><td>AOUT</td><td>Output</td><td>Audio data output terminal. MSB/LSB fast can be selected by command.</td></tr>
<tr><td>4*</td><td>DOUT</td><td>Output</td><td>Digital out output terminal. Up to double speed can be output.</td></tr>
<tr><td>5*</td><td>IPF</td><td>Output</td><td>Correction flag output terminal. When the correction impossible symbol appears if the AOUT output corresponds to the C2 correction output: "H".</td></tr>
<tr><td>6</td><td>VDD3</td><td>—</td><td>Digital 3.3V power supply terminal.</td></tr>
<tr><td>7</td><td>VSS3</td><td>—</td><td>Digital GND terminal.</td></tr>
<tr><td>8</td><td>SBOK</td><td>Output</td><td>Subcode Q data CRCC decision result output terminal. When the decision result is OK: "H".</td></tr>
<tr><td>9</td><td>CLCK</td><td>Input/Output</td><td>Clock input/output terminal for subcodes P-W data reading.<br>The input/output polarity can be selected by command.</td></tr>
<tr><td>10</td><td>DATA</td><td>Output</td><td>Subcodes P-W data output terminal.</td></tr>
<tr><td>11*</td><td>SFSY</td><td>Output</td><td>Playback system frame sync signal output terminal.</td></tr>
<tr><td>12*</td><td>SBSY</td><td>Output</td><td>Subcode block sync output terminal.<br>In the S1 position when the subcode sync is detected: "H".</td></tr>
<tr><td>13<br>14*<br>.</td><td>/HSO<br>/UHSO</td><td>Output<br>Output</td><td>Playback speed mode flag output terminal.
<table>
<tr><th>/UHSO</th><th>/HSO</th><th>Playback speed</th></tr>
<tr><td>H</td><td>H</td><td>Normal speed playback</td></tr>
<tr><td>H</td><td>L</td><td>Double speed playback</td></tr>
<tr><td>L</td><td>L</td><td>4-time speed playback</td></tr>
<tr><td>—</td><td>—</td><td>—</td></tr>
</table></td></tr>
<tr><td>15</td><td>PVDD3</td><td>—</td><td>3.3V power supply terminal for PLL system.</td></tr>
<tr><td>16</td><td>PDO</td><td>Output</td><td>EFM signal/PLCK signal phase error signal output terminal.</td></tr>
<tr><td>17</td><td>TMAX</td><td>Output</td><td>TMAX detection result output terminal.
<table>
<tr><th>TMAX detection result</th><th>TMAX output</th></tr>
<tr><td>Longer than the specified period</td><td>"PVDD3"</td></tr>
<tr><td>Within the specified period</td><td>"Hi-z"</td></tr>
<tr><td>Shorter than the specified period</td><td>"AVSS3"</td></tr>
</table></td></tr>
<tr><td>18</td><td>LPFN</td><td>Input</td><td>Amp's inversion input terminal for PLL system low-pass filter.</td></tr>
<tr><td>19</td><td>LPFO</td><td>Output</td><td>Amp's output terminal for PLL system low-pass filter.</td></tr>
<tr><td>20</td><td>PVREF</td><td>—</td><td>VREF terminal only for PLL system.</td></tr>
<tr><td>21</td><td>VCOF</td><td>Output</td><td>Filter terminal for VCO.</td></tr>
<tr><td>22</td><td>AVSS3</td><td>—</td><td>Analog GND terminal.</td></tr>
<tr><td>23</td><td>SLCO</td><td>Output</td><td>DAC output terminal for data slice level generation.</td></tr>
<tr><td>24</td><td>RFI</td><td>Input</td><td>RF signal input terminal. Zin can be selected by command.</td></tr>
<tr><td>25</td><td>AVDD3</td><td>—</td><td>Analog 3.3V power supply terminal.</td></tr>
<tr><td>26</td><td>RFCT</td><td>Input</td><td>RFRP signal center level input terminal.</td></tr>
<tr><td>27</td><td>RFZI</td><td>Input</td><td>Input terminal for RFRP signal zero crossing.</td></tr>
<tr><td>28</td><td>RFRP</td><td>Input</td><td>RF ripple signal terminal.</td></tr>
<tr><td>29</td><td>FEI</td><td>Input</td><td>Focus error signal input terminal.</td></tr>
<tr><td>30</td><td>SBAD</td><td>Input</td><td>Sub-beam addition signal input terminal.</td></tr>
<tr><td>31</td><td>TEI</td><td>Input</td><td>Tracking error input terminal. Fetch when the tracking servo is on.</td></tr>
<tr><td>32</td><td>TEZI</td><td>Input</td><td>Input terminal for tracking error signal zero crossing.</td></tr>
<tr><td>33</td><td>FOO</td><td>Output</td><td>Focus equalizer output terminal.</td></tr>
<tr><td>34</td><td>TRO</td><td>Output</td><td>Tracking equalizer output terminal.</td></tr>
<tr><td>35</td><td>VREF</td><td>—</td><td>Analog reference power supply terminal.</td></tr>
<tr><td>36</td><td>RFGC</td><td>Output</td><td>RF amplitude adjustment control signal output terminal.</td></tr>
<tr><td>37</td><td>TEBC</td><td>Output</td><td>Tracking balance control signal output terminal.</td></tr>
<tr><td>38</td><td>SEL</td><td>Output</td><td>APC circuit ON/OFF signal output terminal.<br>When the laser is on, UHS="L": "Hi-z", UHS="H": "H" output.</td></tr>
</table>

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

## IC2 VHiTC9490F/-1: Servo/Signal Control (TC9490F) (2/2)

| Pin No. | Terminal Name | Input/Output | Function |
|---|---|---|---|
| 39 | AVDD3 | — | Analog 3.3V power supply terminal. |
| 40 | FMO | Output | Feed equalizer output terminal. |
| 41 | DMO | Output | Disc equalizer output terminal. |
| 42 | VSS3 | — | Digital GND terminal. |
| 43 | VDD3 | — | Digital 3.3V power supply terminal. |
| 44 | TESIN | Input | Test input terminal. Usually "L" fixed. |
| 45 | XVSS3 | — | GND terminal for system clock oscillation circuit. |
| 46 | XI | Input | System clock oscillation circuit input terminal. |
| 47 | XO | Output | System clock oscillation circuit output terminal. |
| 48 | XVDD3 | — | 3.3V power supply terminal for system clock oscillation circuit. |
| 49 | DVSS3 | — | GND terminal for D/A converter. |
| 50 | RO | Output | R channel data normal rotation output terminal. |
| 51 | DVDD3 | — | 3.3V power supply terminal for D/A converter. |
| 52 | DVR | — | Reference voltage terminal. |
| 53 | LO | Output | L channel data normal rotation output terminal. |
| 54 | DVSS3 | — | D/A converter section GND terminal. |
| 55* | ZDET | Output | 1-bit D/A converter 0 detection flag output terminal. |
| 56 | VSS5 | — | GND terminal for microcomputer interface. |
| 57-60 | BUS0-BUS3 | Input/Output | Data input/output terminal for microcomputer interface. |
| 61 | BUCK | Input | Clock input terminal for microcomputer interface. |
| 62 | /CCE | Input | Chip enable signal input terminal for microcomputer interface.<br>In case of "L", BUS3-0 are active. |
| 63 | /RST | Input | Reset signal input terminal. Reset: "L". |
| 64 | VDD5 | — | 5V power supply terminal for microcomputer interface. |

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Note: AI/F: Analog input/output terminal
3-5I/F: Terminal with a built-in 3-5 interface (5V system input/output terminal)
3I/F: 3V system input/output terminal

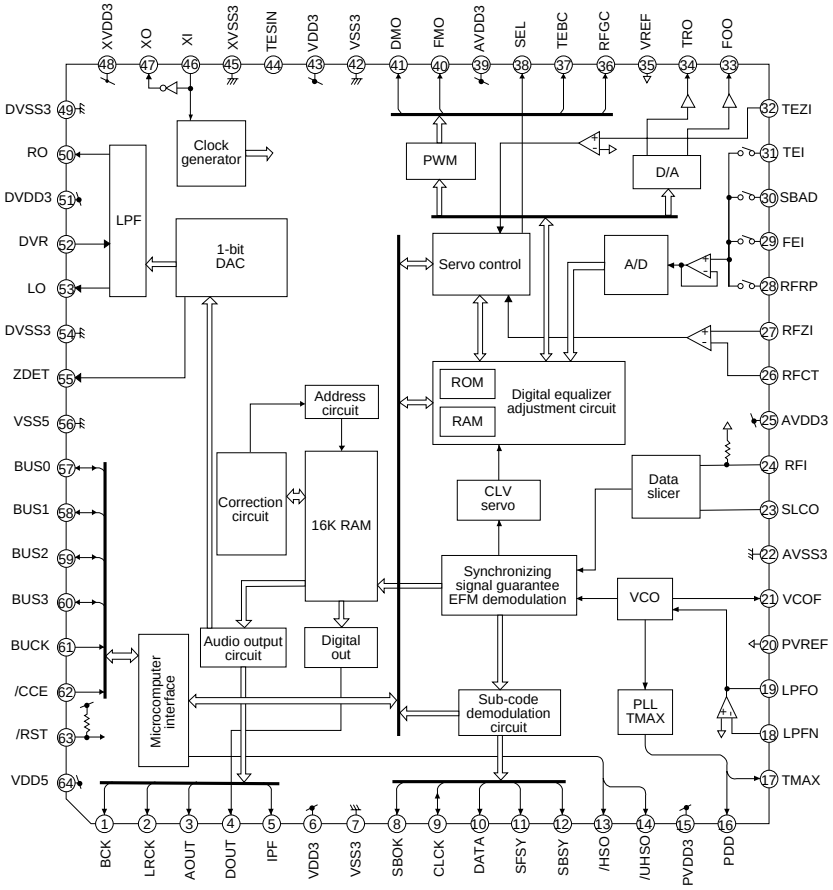
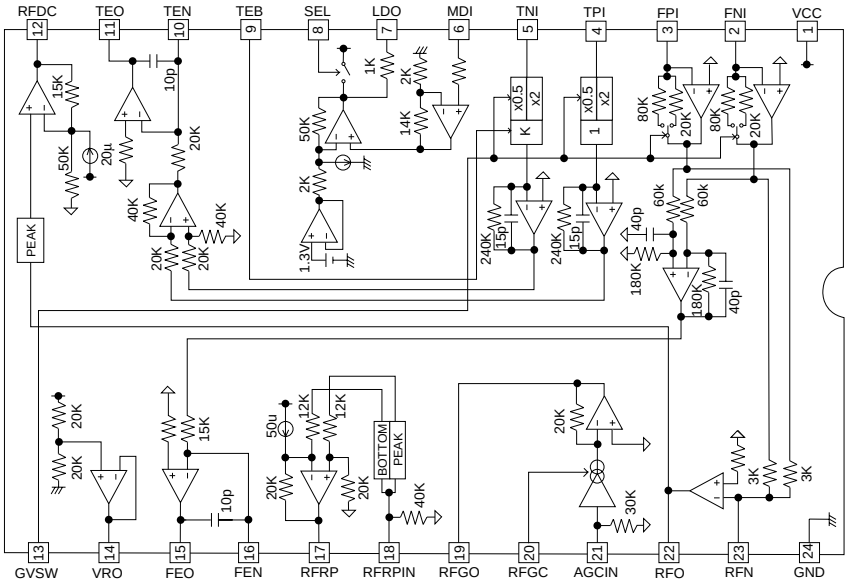



**Figure 57 BLOCK DIAGRAM OF IC**

## IC6 VHiTA2147F/-1:Servo Pre Amp. (TA2147F)

| Pin No. | Terminal Name | Input/Output | Function |
|---|---|---|---|
| 1 | VCC | — | 3.3V power supply terminal |
| 2 | FNI | Input | Main beam amp input terminal |
| 3 | FPI | Input | Main beam amp input terminal |
| 4 | TPI | Input | Sub-beam amp input terminal |
| 5 | TNI | Input | Sub-beam amp input terminal |
| 6 | MDI | Input | Monitor photodiode amplifier input terminal |
| 7 | LDO | Output | Laser diode amp output terminal |
| 8 | SEL | Input | APC circuit ON/OFF signal, LDO terminal control input terminal and bottom/peak detection frequency switching terminal<br>SEL / APC circuit / LDO<br>GND / OFF / Connection to VCC via 1kΩ<br>Hi-z / ON / Control signal output<br>VCC / ON / Control signal output |
| 9 | TEBC | Input | Tracking error balance adjustment signal input terminal<br>• TEBC input voltage |
| 10 | TEN | Input | Tracking error signal generation amp antiphase input terminal |
| 11 | TEO | Output | Tracking error signal generation amp output terminal |
| 12 | RFDC | Output | RF signal peak detection output terminal |
| 13 | GVSW | Input | AGC, FE, TE amp gain switching terminal<br>GVSW / Mode<br>GND / CD-RW<br>Hi-z / CD-DA<br>VCC / CD-CA |
| 14 | VRO | Output | Reference voltage (VRO) output terminal • VCC=3.3V: VRO=1/2 VCC |
| 15 | FEO | Output | Focus error signal generation amp output terminal |
| 16 | FEN | Input | Focus error signal generation amp antiphase input terminal |
| 17 | RFRP | Output | Signal generation amp output terminal for track count |
| 18 | RFRPIN | Input | Signal generation amp input terminal for track count |
| 19 | RFGO | Output | RF signal amplitude adjustment amp output terminal |
| 20 | RFGC | Input | RF amplitude adjustment control signal input terminal • RFGC input voltage |
| 21 | AGCIN | Input | RF signal amplitude adjustment amp input terminal |
| 22 | RFO | Output | RF signal generation amp output terminal |
| 23 | RFN | Input | RF signal generation amp input terminal |
| 24 | GND | — | GND terminal |




| PIN / $V_{CTRL}$ | SEL (APC_SW) | TEB (TE_BAL) | RFGC (AGC_Gain) | GVSW (CD/RW) |
|---|---|---|---|---|
| $V_{CC}$ | APC ON | -50% | +12dB | DA (0dB) |
| HiZ | APC ON | 0% | +6dB | DA (0dB) |
| GND | APC OFF (LDO=H) | +50% | 0dB | RW (+12dB) |

**Figure 58 BLOCK DIAGRAM OF IC**

## IC901 RH-iX0355AWZZ: System Microcomputer (IX0355AW) (1/2)

| Pin No. | Port Name | Input/Output | Function |
|---|---|---|---|
| 1 | P60/A16 | Output | Cassette playback mute |
| 2 | P62/A18 | Output | Recording output (Cassette) |
| 3 | P61/A17 | Output | Recording bias output (Cassette) |
| 4 | P63/A19 | Output | Span output for destination 1 |
| 5 | P64/RD | Output | Cassette operation motor output |
| 6 | P65/WR | Output | Cassette solenoid output |
| 7 | P66/WAIT | Output | Span output for destination 2 |
| 8 | P67/ASTB | Input | Pulse for tape running check |
| 9 | VDD | Input | To be connected to VDD |
| 10 | P100/T15/TO5 | Input | A side foolproof switch |
| 11 | P101/T16/TO6 | Input | B side foolproof switch |
| 12 | P102/T17/TO7 | Input | Cassette CAM switch |
| 13 | P103/T18/TO8 | Input | Cassette detection switch |
| 14 | P30/TO0 | Output | Tuner chip enable |
| 15 | P31/TO1 | Input | Destination input |
| 16 | P32/TO2 | Output | CD mute |
| 17 | P33/T11 | Input | Tuner span select |
| 18 | P34/T12 | Output | Expanded IC control signal |
| 19 | P35/T100 | Output | Expanded IC control signal |
| 20 | P36/T101 | Output | Expanded IC control signal |
| 21 | P37 | Output | Expanded IC control signal |
| 22 | TEST/Vpp | Input | Not used |
| 23 | P90 | Output | LCD DB4 (Data output to LCD) |
| 24 | P91 | Output | LCD DB5 (Data output to LCD) |
| 25 | P92 | Output | LCD DB6 (Data output to LCD) |
| 26 | P93 | Output | LCD DB7 (Data output to LCD) |
| 27* | P94 | Output | Not used |
| 28 | P06/INTP6 | Output | POWER relay control |
| 29 | P120/RTP0 | Output | LCD RS |
| 30 | P121/RTP1 | Output | LCD RS |
| 31 | P122/RTP2 | Output | LCD RS |
| 32 | P123/RTP3 | Output | LED output for timer |
| 33 | P124/RTP4 | Output | LCD backlight control |
| 34 | P125/RTP5 | Output | System mute output |
| 35 | P126/RTP6 | Input | Panel close switch |
| 36 | P127/RTP7 | Input | Panel open switch |
| 37 | Vdd | Input | Connected to VDD |
| 38 | X2 | Output | 8 MHz sera - lock |
| 39 | X1 | Input | 8 MHz sera - lock |
| 40 | Vss | Input | Ground potertial to be connected to VSS |
| 41 | XT2 | Output | 32.768 kHz crystal |
| 42 | XT1 | Input | 32.768 kHz crystal |
| 43 | RESET | Input | Reset input |
| 44 | P00/INTP0 | Input | Remote control signal input |
| 45 | P01/INTP1 | Input | JOG A input |
| 46 | P02/INTP2/NMI | Input | JOG B input |
| 47 | P03/INTP3 | Input | Power failure detection |
| 48 | P04/INTP4 | Input | Speaker abnormal detection |
| 49 | P05/INTP5 | Output | Speaker relay |
| 50 | P95 | Input | POWER key input |
| 51 | Avdd | — | Analog power supply |

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

## IC901 RH-iX0355AWZZ: System Microcomputer (IX0355AW) (2/2)

| Pin No. | Port Name | Input/Output | Function |
|---|---|---|---|
| 52 | AVref0 | — | Analog reference potential 0 |
| 53 | P10/ANI0 | Input | Key input 0 (AD port) |
| 54 | P11/ANI1 | Input | Key input 1 (AD port) |
| 55 | P12/ANI2 | Input | Key input 2 (AD port) |
| 56 | P13/ANI3 | Input | Key input 3 (AD port) |
| 57 | P14/ANI4 | Input | Key input 4 (AD port) |
| 58 | P15/ANI5 | Input | Level meter input L-ch |
| 59 | P16/ANI6 | Input | Tuner state input |
| 60 | P17/ANI7 | Input | Level meter input R-ch |
| 61 | Avss | — | Analog GND |
| 62 | P130/ANO0 | Input | Not used |
| 63 | P131/ANO1 | Output | Not used |
| 64 | AVref1 | Input | Analog reference potential 1 |
| 65 | P70/RxD2/SI2 | Input | Not used |
| 66 | P71/TxD2/SO2 | Output | Not used |
| 67 | P72/ASCK2/SCK2 | Input | Not used |
| 68 | P20/RxD1/SI1 | Input | Tuner data input |
| 69 | P21/TxD1/SO1 | Output | Tuner data output |
| 70 | P22/ASCK1/SC | Output | Tuner clock output |
| 71 | P23/PCL | Output | Spectrum analyzer frequency selection |
| 72 | P24/BUZ | Output | Spectrum analyzer frequency selection |
| 73 | P25/SI0/SDA0 | Input/Output | CD-R control |
| 74 | P26/SO0 | Output | Spectrum analyzer frequency selection |
| 75 | P27/SCK0/SCL0 | Output | CD-R control |
| 76 | P80/A0 | Input | CAM A switch e |
| 77 | P81/A1 | Input | CAM A switch d |
| 78 | P82/A2 | Input | CAM A switch c |
| 79 | P83/A3 | Input | CAM A switch b |
| 80 | P84/A4 | Input | CAM A switch a |
| 81 | P85/A5 | Input | TRAY identification switch a |
| 82 | P86/A6 | Input | TRAY identification switch b |
| 83 | P87/A7 | Input | TRAY identification switch c |
| 84 | P40/AD0 | Input | CAM C switch b |
| 85 | P41/AD1 | Input | CAM C switch a |
| 86 | P42/AD2 | Output | CD LSI chip enable |
| 87 | P43/AD3 | Output | CD LSI clock |
| 88 | P44/AD4 | Input/Output | CD LSI data input/output |
| 89 | P45/AD5 | Input/Output | CD LSI data input/output |
| 90 | P46/AD6 | Input/Output | CD LSI data input/output |
| 91 | P47/AD7 | Input/Output | CD LSI data input/output |
| 92 | P50/A8 | Output | CD LSI reset |
| 93 | P51/A9 | Output | CD LSI RW switching |
| 94 | P52/A10 | Input | CD pickup inner switch input |
| 95 | P53/A11 | Output | Tray motor forward rotation |
| 96 | P54/A12 | Output | Tray motor reverse rotation |
| 97 | P55/A13 | Output | CAM motor forward rotation |
| 98 | P56/A14 | Output | CAM motor reverse rotation |
| 99 | P57/A15 | Output | TAPE REC mute |
| 100 | Vss | Input | Ground potertial connected to VSS |

## IC702 VHiBU2092F/-1: Output Expander (BU2092F)

| Pin No. | Port Name | Input/Output | Function |
|---|---|---|---|
| 1 | VSS | Input | GND |
| 2 | DATA | Input | Sirial data input |
| 3 | CLOCK | Input | Sirial clock input |
| 4 | LCK | Input | Latch clock input |
| 5 | Q0 | Output | Panel LED |
| 6 | Q1 | Ourput | > I I LED |
| 7 | Q2 | Output | << LED |
| 8 | Q3 | Output | >> LED |
| 9 | Q4 | Output | Stop LED |
| 10 | Q5 | Output | Not used |
| 11 | Q6 | Output | CD 6 LED |
| 12 | Q7 | Output | CD 5 LED |
| 13 | Q8 | Output | CD 4 LED |
| 14 | Q9 | Output | CD 3 LED |
| 15 | Q10 | Output | CD 2 LED |
| 16 | Q11 | Output | CD 1 LED |
| 17 | OE | Output | Output enable |
| 18 | VDD | Input | Power supply |

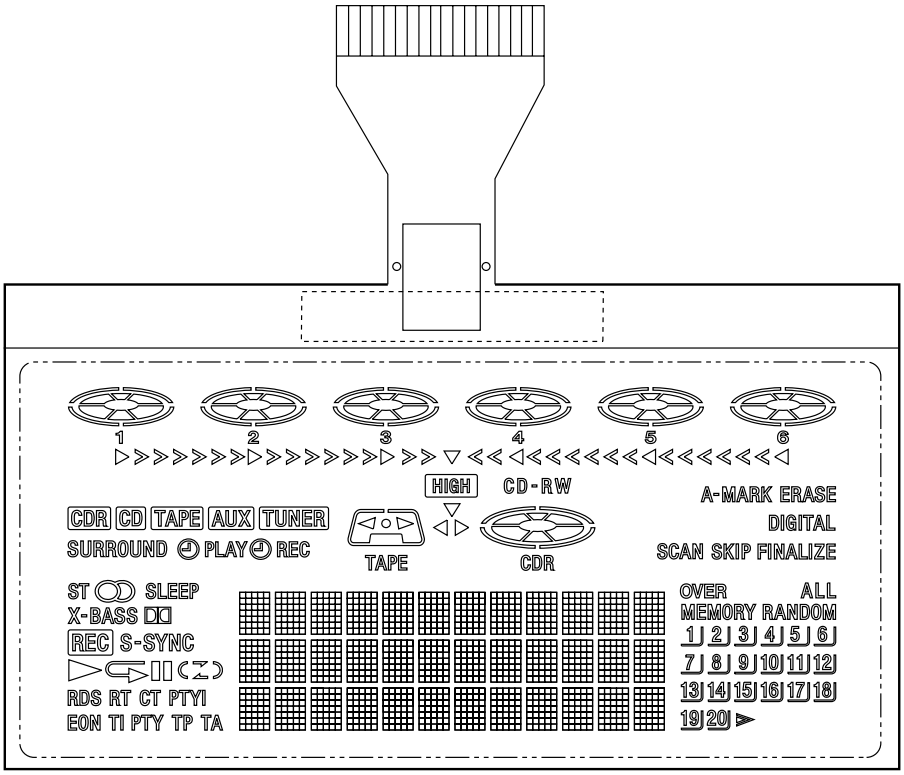
## IC912 VHiBU2092F/-1: Output Expander (BU2092F)

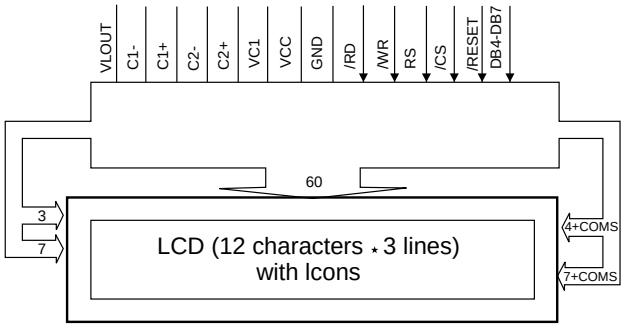
| Pin No. | Port Name | Input/Output | Function |
|---|---|---|---|
| 1 | VSS | Input | GND |
| 2 | DATA | Input | Sirial data input |
| 3 | CLK | Input | Sirial clock input |
| 4 | LCK | Input | Latch clock input |
| 5 | Q0 | Output | For CD power control |
| 6* | Q1 | Output | Not used |
| 7* | Q2 | Output | Not used |
| 8* | Q3 | Output | Not used |
| 9 | Q4 | Output | CD/CD-R input selection |
| 10* | Q5 | Output | LCD reset |
| 11* | Q6 | Output | Panel control switch |
| 12 | Q7 | Output | Panel control output close |
| 13 | Q8 | Output | Panel control output open |
| 14 | Q9 | Output | Fan motor ON/OFF |
| 15 | Q10 | Output | AUX analog/OPT digital selection |
| 16 | Q11 | Output | AUX analog/PHONO input selection |
| 17 | OE | Input | Output enable |
| 18 | VDD | Input | Power supply |

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

# LCD DISPLAY

**LCD710: RUNTZ0021AWZZ**




| Pin No. | Pin Name | I/O | Connect to | Description |
|---|---|---|---|---|
| 1 | VLOUT | O | Booster capacitance | Potential difference between VCI and GND is boosted twice and then output. Magnitude of boost is selected by instruction. |
| 2, 3 | C1-, C1+ | — | Booster capacitance | External capacitance should be connected here. |
| 4, 5 | C2-, C2+ | — | Booster capacitance | External capacitance should be connected here. |
| 6 | VCI | I | Power supply | Inputs a reference voltage and supplies power to the booster, generates the LCD drive voltage from the operating voltage. VCI=0~2.2V |
| 7 | VCC | — | Power supply | 5V |
| 8 | GND | — | Power supply | 0V |
| 9 | /RD | I | MPU | For a 80-system parallel bus interface. Read data at low level. |
| 10 | /WR | I | MPU | For a 80-system parallel bus interface. Write data at low level. |
| 11 | RS | I | MPU | "L" :Instruction; "H" :Data. |
| 12 | /CS | I | MPU | Low :LCD control IC is selected and can be accessed.<br>High :LCD control IC is not selected and can not be accessed. |
| 13 | /RESET | I | MPU or external R-C circuit | Reset pin. Initializes the LSI when low. Must reset after power-on. |
| 14 | DB4 | I/O | MPU | Data bit 4. For a bidirection four-bit parallel bus. |
| 15 | DB5 | I/O | MPU | Data bit 5. For a bidirection four-bit parallel bus |
| 16 | DB6 | I/O | MPU | Data bit 6. For a bidirection four-bit parallel bus |
| 17 | DB7 | I/O | MPU | Data bit 7. For a bidirection four-bit parallel bus |

# SHARP PARTS GUIDE

## AUDIO TOWER SYSTEM

# MODEL CD-RW5000

**CD-RW5000 Audio Tower System consisting of CD-RW5000 (main unit) and CP-RW5000 (speaker system).**

**"HOW TO ORDER REPLACEMENT PARTS"**

To have your order filled promptly and correctly, please furnish the following information.

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2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

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## Explanation of capacitors/resistors parts codes

### Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

### Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

**NOTE:**
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

# CD-RW5000

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|

**CD-RW5000**

## INTEGRATED CIRCUITS

| | | | | |
|---|---|---|---|---|
| IC2 | VHITC9490F/-1 | J | AX | Servo/Signal Control,TC9490F |
| IC5 | VHIBA5939S/-1 | J | AH | Focus/Tracking/Spin/ Sled Driver,BA5939S |
| IC6 | VHITA2147F/-1 | J | AM | Servo Pre Amp.,TA2147F |
| IC101 | VHIAN7345K/-1 | J | AM | Playback and Record/ Playback Amp.,AN7345K |
| IC102 | VHIBA3126N/-1 | J | AF | Head Selector,BA3126N |
| IC201 | VHISTK40271-1 | J | AZ | Power AMP.,STK40271 |
| IC202 | VHISTK40204-1 | J | AX | Power AMP.,STK40204 |
| IC203 | VHIKIA4558P-1 | J | AC | Ope Amp.,KIA4558P |
| IC301 | VHITA7358AP-1 | J | AG | FM Front End,TA7358AP |
| IC302 | VHILC72131/-1 | J | AP | PLL (Tuner),LC72131 |
| IC303 | VHILA1832S/-1 | J | AN | FM IF Det./FM Mpx./AM IF, LA1832S |
| IC401 | VHINJM4558M-1 | J | AC | Ope Amp.,NJM4558M |
| IC402 | VHIBU4066BCF1 | J | AD | Input Selector,BU4066BCF |
| IC501 | VHIBU4066BCF1 | J | AD | Input Selector,BU4066BCF |
| IC502 | VHILC75341/-1 | J | AM | Audio Processor,LC75341 |
| IC503 | VHINJM4558M-1 | J | AC | Ope Amp.,NJM4558M |
| IC701 | VHITA7291S/-1 | J | AH | Loading Motor Driver,TA7291S |
| IC702 | VHIBU2092F/-1 | J | AM | Output Expander,BU2092F |
| IC801 | VHIKIA7812AP1 | J | AF | Constant Voltage Regulator, KIA7812AP |
| IC802 | VHIKIA7810AP1 | J | AF | Voltage Regulator,KIA7810AP |
| IC803 | VHINJM431L/-1 | J | AE | Voltage Regulator,NJM431L |
| IC808 | VHIKIA7805AP1 | J | AF | Constant Voltage Regulator, KIA7805AP |
| IC901 | RH-IX0355AWZZ | J | AZ | System Microcomputer, IX0355AW |
| IC905 | VHIKIA7042AP1 | J | AC | Reset,KIA7042AP |
| IC912 | VHIBU2092F/-1 | J | AM | Output Expander,BU2092F |
| IC913 | VHIKIA7805P-1 | J | AF | Voltage Regulator,KIA7805P |
| IC921 | VHI74HCT00F-1 | J | AF | Digital Signal Switch,74HCT00F |
| IC922 | VHIBA3835F/-1 | J | AS | Band Pass Filter,BA3835F |
| IC926 | VHITC7WU04F-1 | J | AD | Invertor,TC7WU04F |

## TRANSISTORS

| | | | | |
|---|---|---|---|---|
| Q1 | VS2SC1740R/-1 | J | AB | Silicon,NPN,2SC1740 R |
| Q3 | VS2SD2012//-1 | J | AD | Silicon,NPN,2SD2012 |
| Q4 | VSKTA1266GR-1 | J | AB | Silicon,PNP,KTA1266 GR |
| Q5 | VSKRA102M//-1 | J | AC | Digital,PNP,KRA102 M |
| Q101 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q102 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q114 | VS2SA1015GR-1 | J | AB | Silicon,PNP,2SA1015 GR |
| Q115 | VSKRC104M//-1 | J | AC | Digital,NPN,KRC104 M |
| Q116 | VSKTC3203Y/-1 | J | AC | Silicon,NPN,KTC3203 Y |
| Q119,120 | VSDTC363TS/-1 | J | AC | Digital,NPN,DTC363 TS |
| Q200 | VSKRC102M//-1 | J | AC | Digital,NPN,KRC102 M |
| Q201~211 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q212 | VS2SA562-Y/-1 | J | AC | Silicon,PNP,2SA562 Y |
| Q302 | VSKTC3194Y/-1 | J | AD | Silicon,NPN,KTC3194 Y |
| Q351 | VSKRC104M//-1 | J | AC | Digital,NPN,KRC104 M |
| Q360 | VS2SB562-C/-1 | J | AD | Silicon,PNP,2SB562 C |
| Q371 | VSKTA1266GR-1 | J | AB | Silicon,PNP,KTA1266 GR |
| Q401 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |
| Q402 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q501,502 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q503 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q504 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |
| Q507,508 | VSDTC363TS/-1 | J | AC | Digital,NPN,DTC363 TS |
| Q509 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q706 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q707 | VSKTC3203Y/-1 | J | AC | Silicon,NPN,KTC3203 Y |
| Q708 | VSKRA102M//-1 | J | AC | Digital,PNP,KRA102 M |
| Q720~725 | VSKRA102M//-1 | J | AC | Digital,PNP,KRA102 M |
| Q801 | VS2SD2012//-1 | J | AD | Silicon,NPN,2SD2012 |
| Q803 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q805 | VSKTC2026//-1 | J | AF | Silicon,NPN,KTC2026 |
| Q806 | VSKTA1046Y/-1 | J | AC | Sillicon,PNP,KTA1046 Y |
| Q807 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q809 | VS2SD2012//-1 | J | AD | Silicon,NPN,2SD2012 |
| Q810 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q901 | VSKRC102M//-1 | J | AC | Digital,NPN,KRC102 M |
| Q905 | VS2SB561-C/-1 | J | AC | Silicon,PNP,2SB561 C |
| Q906,907 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |
| Q908 | VS2SB561-C/-1 | J | AC | Silicon,PNP,2SB561 C |
| Q909 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |

## DIODES

| | | | | |
|---|---|---|---|---|
| D201~208 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D210 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D301~306 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D310~312 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D352 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D507,508 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D802 | VHD1N4004S/-1 | J | AB | Silicon,1N4004S |
| ⚠ D804~807 | VHD1N4004S/-1 | J | AB | Silicon,1N4004S |
| ⚠ D808~811 | VHD2A02M+++-X | J | AC | Silicon,2A02M |
| D812~815 | VHD1N4004S/-1 | J | AB | Silicon,1N4004S |
| ⚠ D816,817 | VHDTS6B04GM-1 | J | AP | Silicon,TS6B04GM |
| D818,819 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D901,902 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D905~907 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D910 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| D951 | VHDDS1SS133-1 | J | AB | Silicon,DS1SS133 |
| DZ1 | VHEMTZJ5R1A-1 | J | AB | Zener,5.1V,MTZJ5.1A |
| DZ2 | VHEMTZJ3R9B-1 | J | AC | Zener,3.9V,MTZJ3.9B |
| DZ201 | VHEMTZJ5R6B-1 | J | AD | Zener,5.6V,MTZJ5.6B |
| DZ351 | VHEDZ5R1BSB-1 | J | AC | Zener,5.1V,DZ5.1BSB |
| DZ502 | VHEMTZJ8R2B-1 | J | AC | Zener,8.2V,MTZJ8.2B |
| DZ803 | VHEMTZJ9R1B-1 | J | AB | Zener,9.1V,MTZJ9.1B |
| DZ804 | VHEMTZJ100B-1 | J | AB | Zener,10V,MTZJ10B |
| LED731 | VHPHLMP1700-1 | J | AC | LED,Red,HLMP1700 |
| LED735 | VHPLNG995PF-1 | J | AT | LED,Blue,LNG995PF |
| LED737 | VHPLNG995PF-1 | J | AT | LED,Blue,LNG995PF |
| LED738 | VHPHLMP1700-1 | J | AC | LED,Red,HLMP1700 |
| LED754~759 | VHPK5052UL/-1 | J | AD | LED,Red,K5052UL |
| LED770 | VHPL934MBC5-1 | J | AL | LED,White,L934MBC5 |
| LED772 | VHPL1154GDA-1 | J | AD | LED,Green,L1154GDA |
| LED781,782 | VHPK5052C//-1 | J | AD | LED,Green,K5052C |
| LED783~786 | VHPL1154GDA-1 | J | AD | LED,Green,L1154GDA |
| LED801 | VHPK5052UL/-1 | J | AD | LED,Red,K5052UL |

## FILTERS

| | | | | |
|---|---|---|---|---|
| BF301 | RFILR0008AWZZ | J | AE | Band Pass Filter |
| CF302 | RFILF0124AFZZ | J | AD | FM IF,10.7 MHz |
| CF351 | RFILF0003AWZZ | J | AK | FM IF |
| CF352 | RFILA0009AWZZ | J | AE | AM IF |

## TRANSFORMERS

| | | | | |
|---|---|---|---|---|
| T302 | RCILA0062AWZZ | J | AC | AM Antenna |
| T306 | RCILB0066AWZZ | J | AD | AM Oscillation |
| T311 | RCILB0065AWZZ | J | AC | FM Oscillation |
| T312 | RCILI0017AWZZ | J | AB | FM IF |
| T351 | RCILI0019AWZZ | J | AD | AM IF |
| ⚠ T801 | RTRNP0316AWZZ | J | BF | Power,Main |
| ⚠ T802 | RTRNP0312AWZZ | J | AM | Power,Sub |

## COILS

| | | | | |
|---|---|---|---|---|
| L1,2 | VP-DHR82M0000 | J | AB | 0.82 µH,Playback PLL |
| L7 | VP-DHR82M0000 | J | AB | 0.82 µH,Playback PLL |
| L104 | VP-MK331K0000 | J | AB | 330 µH,Choke |
| L201~204 | RCILZ0137AFZZ | J | AA | 0.29 µH |
| L312 | RCILR0056AWZZ | J | AB | FM RF |
| L342 | VP-DH2R2K0000 | J | AB | 2.2 µH,Peaking |
| L351,352 | VP-DH101K0000 | J | AB | 100 µH,Choke |
| L353 | VP-DH102K0000 | J | AB | 1 mH,Choke |
| L411,412 | VP-DH2R2K0000 | J | AB | 2.2 µH,Peaking |
| L501,502 | VP-DH2R2K0000 | J | AB | 2.2 µH,Peaking |
| L701,702 | VP-XH2R2K0000 | J | AB | 2.2 µH,Choke |
| L705 | VP-XH2R2K0000 | J | AB | 2.2 µH,Choke |
| ⚠ L802 | RCILZ0021AWZZ | J | AF | Line Filter |
| L901 | VP-DH101K0000 | J | AB | 100 µH,Choke |
| L910 | VP-YF470K0000 | J | AB | 47 µH,Choke |
| L911,912 | VP-DH2R2K0000 | J | AB | 2.2 µH,Peaking |
| L915 | VP-DH2R2K0000 | J | AB | 2.2 µH,Peaking |

## VARIABLE RESISTOR

| | | | | |
|---|---|---|---|---|
| VR351 | RVR-M0026AWZZ | J | AC | 10 kohm (B),Semi-VR [FM Mute Level] |

## VARIABLE CAPACITORS

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| VD301 | VHCSVC348S/-1 | J | AK | Variable Capacitance,SVC348S |
| VD302,303 | VHCSVC211C/-1 | J | AG | Variable Capacitance,SVC211C |

## VIBRATORS

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| X1 | RCRSP0005AWZZ | J | AF | Crystal,16.934 MHz |
| X351 | 92LCRSTL1425A | J | AF | Crystal,456 kHz |
| X352 | RCRSP0002AWZZ | J | AH | Crystal,4.5 MHz |
| X901 | RCRM-0173AFZZ | J | AE | Ceramic,8 MHz |
| X902 | RCRSP0011AWZZ | J | AC | Crystal,32.768 kHz |

## CAPACITORS

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| C1 | RC-GZA107AF1A | J | AB | 100 µF,10V,Electrolytic |
| C2,3 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C4 | RC-GZA107AF1A | J | AB | 100 µF,10V,Electrolytic |
| C5,6 | RC-GZA106AF1C | J | AB | 10 µF,16V,Electrolytic |
| C7 | RC-GZA107AF1A | J | AB | 100 µF,10V,Electrolytic |
| C8 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C10 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C11,12 | VCCSMN1HL330J | J | AA | 33 pF,50V |
| C13,14 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C15~17 | VCKYPA1HF473Z | J | AB | 0.047 µF,50V |
| C18 | VCQYKA1HM333J | J | AB | 0.033 µF,50V,Mylar |
| C19 | VCKYPA1HF473Z | J | AB | 0.047 µF,50V |
| C20 | VCCSMN1HL470J | J | AA | 47 pF,50V |
| C21 | VCKYMN1HB102K | J | AA | 0.001 µF,50V |
| C22 | VCQYKA1HM333J | J | AB | 0.033 µF,50V,Mylar |
| C23 | VCTYMN1CY103K | J | AA | 0.01 µF,16V |
| C24 | VCTYMN1CX272K | J | AA | 0.0027 µF,16V |
| C25 | VCTYMN1CY103K | J | AA | 0.01 µF,16V |
| C26 | VCTYMN0JY153M | J | AA | 0.015 µF,6.3V |
| C27 | VCTYMN1CX472K | J | AA | 0.0047 µF,16V |
| C28,29 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C30 | RC-GZA476AF1A | J | AB | 47 µF,10V,Electrolytic |
| C31 | RC-GZA227AF1A | J | AB | 220 µF,10V,Electrolytic |
| C32,33 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C34 | VCCSMN1HL220J | J | AA | 22 pF,50V |
| C36 | VCCSMN1HL270J | J | AA | 27 pF,50V |
| C37 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C38 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C39 | VCCSMN1HL3R9C | J | AA | 3.9 pF,50V |
| C40,41 | VCQYKA1HM104K | J | AB | 0.1 µF,50V,Mylar |
| C42 | VCTYMN1CX682K | J | AA | 0.0068 µF,16V |
| C43 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C44 | RC-GZA227AF1A | J | AB | 220 µF,10V,Electrolytic |
| C45 | RC-GZA477AF1A | J | AC | 470 µF,10V,Electrolytic |
| C46 | VCTYMN1EF223Z | J | AA | 0.022 µF,25V |
| C47,48 | RC-GZA107AF1A | J | AB | 100 µF,10V,Electrolytic |
| C49,50 | VCTYPA1HF104Z | J | AB | 0.1 µF,50V |
| C51 | RC-GZA107AF1A | J | AB | 100 µF,10V,Electrolytic |
| C58~60 | VCKYMN1HB101K | J | AA | 100 pF,50V |
| C64~66 | VCKYBT1HB102K | J | AA | 0.001 µF,50V |
| C67 | VCKYPA1HB102K | J | AA | 0.001 µF,50V |
| C91,92 | VCKYMN1HB471J | J | AB | 470 pF,50V |
| C93~99 | VCKYMN1HB101K | J | AA | 100 pF,50V |
| C101,102 | VCKYPA1HB181K | J | AA | 180 pF,50V |
| C103 | RC-GZA106AF1C | J | AB | 10 µF,16V,Electrolytic |
| C104,105 | VCKYPA1HB561K | J | AA | 560 pF,50V |
| C106,107 | VCTYPA1EX333K | J | AA | 0.033 µF,25V |
| C108,109 | VCCSPA1HL331J | J | AA | 330 pF,50V |
| C110,111 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C112,113 | VCKYPA1HB561K | J | AA | 560 pF,50V |
| C116 | RC-GZA335AF1H | J | AB | 3.3 µF,50V,Electrolytic |
| C118 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C119,120 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C121,122 | VCKYPA1HB271K | J | AA | 270 pF,50V |
| C123,124 | VCKYPA1EX223K | J | | 0.022 µF,25V |
| C125,126 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C127 | VCKYPU1HB332K | J | AA | 0.0033 µF,50V |
| C129,130 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C131 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C132 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C133 | VCQYKA1HM393K | J | AB | 0.039 µF,50V,Mylar |
| C134 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C135 | RC-QZA473AFYJ | J | AB | 0.047 µF,50V,Mylar |
| C137 | VCQPKA2AA822J | J | AA | 0.0082 µF,100V,Polypropylene |
| C138 | VCKYPU1HB332K | J | AA | 0.0033 µF,50V |
| C140,141 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C200 | VCEAZA1CW476M | J | AB | 47 µF,16V,Electrolytic |
| C201,202 | VCCSPA1HL221J | J | AA | 220 pF,50V |
| C203,204 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C205,206 | VCCSPA1HL150J | J | AA | 15 pF,50V |
| C207,208 | VCFYHA1HA154J | J | AC | 0.15 µF,50V,Thin Film |
| C209,210 | RC-GZA107AF1H | J | AC | 100 µF,50V,Electrolytic |
| C211,212 | VCQYKA1HM154K | J | AB | 0.15 µF,50V,Mylar |
| C213,214 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C215,216 | VCKZPA1HF223Z | J | AA | 0.022 µF,50V |
| C217,218 | VCCCPA1HH101J | J | AA | 100 pF (CH),50V |
| C219,220 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C221,222 | VCQYKA1HM153K | J | AB | 0.015 µF,50V,Mylar |
| C223,224 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C225,226 | VCCCPU1HH221J | J | AB | 220 pF (CH),50V |
| C227,228 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C229,230 | VCFYHA1HA154J | J | AC | 0.15 µF,50V,Thin Film |
| C231,232 | VCCSPA1HL221J | J | AA | 220 pF,50V |
| C233,234 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C235,236 | VCCSPA1HL150J | J | AA | 15 pF,50V |
| C237,238 | RC-GZA107AF1H | J | AC | 100 µF,50V,Electrolytic |
| C239,240 | VCKZPA1HF223Z | J | AA | 0.022 µF,50V |
| C241,242 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C243~246 | VCQYKA1HM104K | J | AB | 0.1 µF,50V,Mylar |
| C247 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C248 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C249 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C250 | VCQYKA1HM223K | J | AB | 0.022 µF,50V,Mylar |
| C251 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C252 | RC-GZW228AF1H | J | AH | 2200 µF,50V,Electrolytic |
| C253,254 | RC-EZ0027AWZZ | J | AN | 3300 µF,63V,Electrolytic |
| C255 | RC-GZW228AF1H | J | AH | 2200 µF,50V,Electrolytic |
| C256 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C257 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C258 | VCEAZA1CW107M | J | AC | 100 µF,16V,Electrolytic |
| C301 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C303 | VCCCCY1HH100D | J | AA | 10 pF (CH),50V |
| C304 | VCKYCY1HB103K | J | AA | 0.01 µF,50V |
| C305 | VCCCCY1HH5R0C | J | AA | 5 pF (CH),50V |
| C306 | VCKYBT1HB102K | J | AA | 0.001 µF,50V |
| C308 | VCCCCY1HH5R0C | J | AA | 5 pF (CH),50V |
| C309 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C310~312 | VCCCCY1HH101J | J | AA | 100 pF (CH),50V |
| C313 | VCCCCY1HH220J | J | AA | 22 pF (CH),50V |
| C314,315 | VCKYCY1HB472K | J | AA | 0.0047 µF,50V |
| C316 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C317 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C318 | VCCCCY1HH101J | J | AA | 100 pF (CH),50V |
| C319 | VCTYPA1EX104K | J | AB | 0.1 µF,25V |
| C320 | VCTYPA1EX473K | J | AA | 0.047 µF,25V |
| C321 | RC-GZA107AF1C | J | AB | 100 µF,16V,Electrolytic |
| C323 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C324 | VCCCCY1HH4R0C | J | AA | 4 pF (CH),50V |
| C325 | VCCCCY1HH150J | J | AA | 15 pF (CH),50V |
| C326 | VCCCCY1HH180J | J | AA | 18 pF (CH),50V |
| C327 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C330 | VCCUCY1HJ150J | J | AA | 15 pF (UJ),50V |
| C331 | VCKYPA1HF473Z | J | AB | 0.047 µF,50V |
| C332 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C334 | VCCUCY1HJ150J | J | AA | 15 pF (UJ),50V |
| C335 | VCCCCY1HH331J | J | AA | 330 pF (CH),50V |
| C337 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C338 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C339 | VCCCCY1HH101J | J | AA | 100 pF (CH),50V |
| C341 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C342 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C343 | VCCCCY1HH330J | J | AA | 33 pF (CH),50V |
| C345~347 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C350 | VCKYCY1CB473K | J | AA | 0.047 µF,16V |
| C351 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C352 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C353,354 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C355 | VCCCCY1HH220J | J | AA | 22 pF (CH),50V |
| C356 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C357 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C358 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C361 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C362 | RC-GZA335AF1H | J | AB | 3.3 µF,50V,Electrolytic |
| C363 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C364 | RC-GZA475AF1H | J | AB | 4.7 µF,50V,Electrolytic |
| C365 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C366 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C367,368 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| C370~372 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C373,374 | VCKYCY1HB153K | J | AA | 0.015 µF,50V |
| C380 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C381 | VCCCCY1HH120J | J | AA | 12 pF (CH),50V |
| C382 | VCCCCY1HH150J | J | AA | 15 pF (CH),50V |
| C384 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C385 | VCKYCY1HB103K | J | AA | 0.01 µF,50V |
| C386 | VCCCCY1HH331J | J | AA | 330 pF (CH),50V |
| C387 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C389,390 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C391 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C392 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C393 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C394 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C395 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C396 | RC-GZA107AF1C | J | AB | 100 µF,16V,Electrolytic |
| C397 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C398 | RC-GZA107AF1C | J | AB | 100 µF,16V,Electrolytic |
| C399 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C400 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C411,412 | VCKYCY1HB681K | J | AA | 680 pF,50V |
| C437,438 | VCKYCY1HB822K | J | AA | 0.0082 µF,16V |
| C439,440 | VCKYCY1HB222K | J | AA | 0.0022 µF,50V |
| C441,442 | VCCCCY1HH151J | J | AA | 150 pF (CH),50V |
| C443~446 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C448,449 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C501,502 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C503 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C506,507 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C508 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C509,510 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C511~514 | RC-QZA104AFYJ | J | AC | 0.1 µF,50V,Mylar |
| C515,516 | RC-QZA272AFYJ | J | AB | 0.0027 µF,50V,Mylar |
| C517~528 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C529,530 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C531,532 | VCCCCY1HH101J | J | AA | 100 pF (CH),50V |
| C533,534 | VCCCCY1HH470J | J | AA | 47 pF (CH),50V |
| C535 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C536 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C537 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C540,541 | VCKYCY1HB391K | J | AA | 390 pF,50V |
| C550,551 | VCEAZA1HW226M | J | AB | 22 µF,50V,Electrolytic |
| C562 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C563 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C564,565 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C566 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C573,574 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C597,598 | VCKYCY1HB272K | J | AA | 0.0027 µF,50V |
| C599 | VCKYCY1HB102K | J | AA | 0.001 µF,50V |
| C701 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C703 | VCTYBT1EF223Z | J | AA | 0.022 µF,25V |
| C704,705 | VCCSPA1HL100J | J | AA | 10 pF,50V |
| C706 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C707 | VCKYBT1HB101K | J | AA | 100 pF,50V |
| C708 | VCTYBT1EF223Z | J | AA | 0.022 µF,25V |
| C709 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C712 | VCKYBT1HB102K | J | AA | 0.001 µF,50V |
| C713 | VCKYPA1HB102K | J | AA | 0.001 µF,50V |
| C714 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C715 | VCTYPA1CX104K | J | AB | 0.1 µF,16V |
| C716 | VCEAEA1HW225M | J | AB | 2.2 µF,50V,Electrolytic |
| C717 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C801~803 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C804 | VCEAZA0JW108M | J | AC | 1000 µF,6.3V,Electrolytic |
| C805 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C807 | RC-QZA473AFYJ | J | AB | 0.047 µF,50V,Mylar |
| C810 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C811 | VCKYPA1HB102K | J | AA | 0.001 µF,50V |
| C812 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C814 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C815,816 | VCFYHA1HA104J | J | AB | 0.1 µF,50V,Thin Film |
| C817 | VCEAZW1EW688M | J | AL | 6800 µF,25V,Electrolytic |
| C818 | VCEAZW1CW688M | J | | 6800 µF,16V,Electrolytic |
| C819 | VCEAZV1EW477M | J | | 470 µF,25V,Electrolytic |
| C820 | RC-QZA473AFYJ | J | AB | 0.047 µF,50V,Mylar |
| C821 | RC-GZA107AF1E | J | AB | 100 µF,25V,Electrolytic |
| C822 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C823 | RC-GZA107AF1C | J | AB | 100 µF,16V,Electrolytic |
| C824 | RC-QZA473AFYJ | J | AB | 0.047 µF,50V,Mylar |
| C825 | RC-GZA108AF0J | J | AC | 1000 µF,6.3V,Electrolytic |
| C826~829 | RC-QZA473AFYJ | J | AB | 0.047 µF,50V,Mylar |
| C830 | VCEAZV1VW477M | J | AD | 470 µF,35V,Electrolytic |
| C831~835 | RC-QZA473AFYJ | J | AB | 0.047 µF,50V,Mylar |
| ⚠ C836 | RC-KZ002LAWZZ | J | AE | 0.0047 µF,250V,Ceramic |
| C837 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C838 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C839 | RC-GZA107AF1C | J | AB | 100 µF,16V,Electrolytic |
| C840 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C901 | RC-GZA108AF0J | J | AC | 1000 µF,6.3V,Electrolytic |
| C902 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C903 | RC-GZA104AF1H | J | AB | 0.1 µF,50V,Electrolytic |
| C904 | VCKYCY1HB103K | J | AA | 0.01 µF,50V |
| C905 | RC-GZA335AF1H | J | AB | 3.3 µF,50V,Electrolytic |
| C906 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C907 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C912 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C913 | VCEAZA1HW225M | J | AB | 2.2 µF,50V,Electrolytic |
| C914 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C916,917 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C920~924 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C936 | VCCCCY1HH101J | J | AA | 100 pF (CH),50V |
| C941 | VCCCCY1HH220J | J | AA | 22 pF (CH),50V |
| C942 | VCCCCY1HH180J | J | AA | 18 pF (CH),50V |
| C943 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C945 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C950 | VCCCCY1HH151J | J | AA | 150 pF (CH),50V |
| C951,952 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C955,956 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C957 | VCCCCY1HH151J | J | AA | 150 pF (CH),50V |
| C958 | VCKYCY1HB391K | J | AA | 390 pF,50V |
| C964 | VCTYPA1HF104Z | J | AB | 0.1 µF,50V |
| C970,971 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C972 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C973,974 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C975 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C976 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C977,978 | VCCCCY1HH101J | J | AA | 100 pF (CH),50V |
| C979 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C995 | VCCCCY1HH101J | J | AA | 100 pF (CH),50V |
| C998 | RC-GZA226AF1A | J | AB | 22 µF,10V,Electrolytic |
| C999 | VCKYCY1HB681K | J | AA | 680 pF,50V |
| C1003 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C1004,1005 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |
| C1006 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C1009 | VCKYCY1HB223K | J | AA | 0.022 µF,50V |
| C1010 | VCKYCY1EF104Z | J | AA | 0.1 µF,25V |

## RESISTORS

| | | | | |
|---|---|---|---|---|
| | VRD-MN2BD000C | J | AA | 0 ohm,Jumper,ø1.4×3.5mm,Ivory |
| | VRS-CY1JB000J | J | AA | 0 ohm,Jumper,0.8×1.55mm,Green |
| ⚠ FR213,214 | VRG-ST2EC101J | J | AB | 100 ohm,1/4W,Fusible |
| ⚠ FR251,252 | VRG-ST2EC101J | J | AB | 100 ohm,1/4W,Fusible |
| R6 | VRD-ST2EE121J | J | AA | 120 ohms,1/4W |
| R7~13 | VRD-MN2BD102J | J | AA | 1 kohm,1/8W |
| R14 | VRD-ST2CD820J | J | AA | 82 ohms,1/6W |
| R15 | VRD-MN2BD121J | J | AA | 120 ohms,1/8W |
| R16 | VRD-MN2BD101J | J | AA | 100 ohm,1/8W |
| R17 | VRD-MN2BD102J | J | AA | 1 kohm,1/8W |
| R18 | VRD-MN2BD101J | J | AA | 100 ohm,1/8W |
| R19 | VRD-MN2BD105J | J | AA | 1 Mohm,1/8W |
| R21 | VRD-MN2BD562J | J | AA | 5.6 kohms,1/8W |
| R25 | VRD-MN2BD562J | J | AA | 5.6 kohms,1/8W |
| R27 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R28 | VRD-MN2BD473J | J | AA | 47 kohms,1/8W |
| R29 | VRD-MN2BD104J | J | AA | 100 kohm,1/8W |
| R30 | VRD-MN2BD225J | J | AA | 2.2 Mohms,1/8W |
| R31 | VRD-MN2BD103J | J | AA | 10 kohm,1/8W |
| R32 | VRD-MN2BD153J | J | AA | 15 kohms,1/8W |
| R35 | VRD-MN2BD102J | J | AA | 1 kohm,1/8W |
| R36 | VRD-MN2BD222J | J | AA | 2.2 kohms,1/8W |
| R37 | VRD-MN2BD333J | J | AA | 33 kohms,1/8W |
| R38 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R39 | VRD-MN2BD103J | J | AA | 10 kohm,1/8W |
| R40 | VRD-MN2BD101J | J | AA | 100 ohm,1/8W |
| R41 | VRD-MN2BD332J | J | AA | 3.3 kohms,1/8W |
| R42 | VRD-MN2BD563J | J | AA | 56 kohms,1/8W |
| R43 | VRD-MN2BD821J | J | AA | 820 ohms,1/8W |
| R44 | VRD-MN2BD683J | J | AA | 68 kohms,1/8W |
| R45 | VRD-MN2BD822J | J | AA | 8.2 kohms,1/8W |
| R46 | VRD-MN2BD122J | J | AA | 1.2 kohms,1/8W |
| R47 | VRD-MN2BD103J | J | AA | 10 kohm,1/8W |
| R48 | VRD-ST2EE100J | J | AA | 10 ohm,1/4W |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| R49,50 | VRD-ST2CD122J | J | AA | 1.2 kohms,1/6W |
| R52 | VRD-MN2BD561J | J | AA | 560 ohms,1/8W |
| R53 | VRD-MN2BD683J | J | AA | 68 kohms,1/8W |
| R54 | VRD-MN2BD473J | J | AA | 47 kohms,1/8W |
| R55,56 | VRD-MN2BD683J | J | AA | 68 kohms,1/8W |
| R57 | VRD-MN2BD473J | J | AA | 47 kohms,1/8W |
| R71,72 | VRD-MN2BD103J | J | AA | 10 kohm,1/8W |
| R73,74 | VRD-MN2BD822J | J | AA | 8.2 kohms,1/8W |
| R75,76 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R77,78 | VRD-MN2BD822J | J | AA | 8.2 kohms,1/8W |
| R91,92 | VRD-MN2BD473J | J | AA | 47 kohms,1/8W |
| R101 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R102,103 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R104 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R105 | VRD-ST2CD101J | J | AA | 100 ohm,1/6W |
| R109 | VRD-ST2CD153J | J | AA | 15 kohms,1/6W |
| R114,115 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R116,117 | VRD-ST2CD560J | J | AA | 56 ohms,1/6W |
| R118,119 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R120,121 | VRD-ST2CD392J | J | AA | 3.9 kohms,1/6W |
| R124,125 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R126,127 | VRD-ST2CD153J | J | AA | 15 kohms,1/6W |
| R128 | VRD-ST2CD683J | J | AA | 68 kohms,1/6W |
| R129,130 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R131 | VRD-ST2CD682J | J | AA | 6.8 kohms,1/6W |
| R132,133 | VRD-ST2CD152J | J | AA | 1.5 kohms,1/6W |
| R134,135 | VRD-ST2CD101J | J | AA | 100 ohm,1/6W |
| R136~138 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R139 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R141 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R143 | VRD-ST2EE820J | J | AA | 82 ohms,1/4W |
| R144 | VRD-ST2EE221J | J | AA | 220 ohms,1/4W |
| R147 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R148 | VRD-ST2CD4R7J | J | AA | 4.7 ohms,1/6W |
| R149 | VRD-ST2CD153J | J | AA | 15 kohms,1/6W |
| R150 | VRD-ST2CD682J | J | AA | 6.8 kohms,1/6W |
| R153,154 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R155,156 | VRD-ST2CD333J | J | AA | 33 kohms,1/6W |
| R200 | VRD-ST2EE101J | J | AA | 100 ohm,1/4W |
| R201,202 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R203,204 | VRD-ST2CD821J | J | AA | 820 ohms,1/6W |
| R205,206 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R207 | VRD-RT2HD120J | J | AA | 12 ohms,1/2W |
| R209,210 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R211,212 | VRD-ST2CD183J | J | AA | 18 kohms,1/6W |
| R213 | VRD-ST2CD101J | J | AA | 100 ohm,1/6W |
| R215,216 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R217,218 | VRD-ST2CD183J | J | AA | 18 kohms,1/6W |
| R219,220 | VRN-VV3DAR22J | J | AC | 0.22 ohms,2W |
| R221,222 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R223,224 | VRN-VV3AAR10J | J | AB | 0.1 ohm,1W |
| R225,226 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R227,228 | VRD-ST2CD822J | J | AA | 8.2 kohms,1/6W |
| R229,230 | VRN-VV3DAR22J | J | AC | 0.22 ohms,2W |
| R231,232 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R233,234 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R235,236 | VRD-ST2CD182J | J | AA | 1.8 kohms,1/6W |
| R237,238 | VRD-ST2CD683J | J | AA | 68 kohms,1/6W |
| R239,240 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R241,242 | VRD-ST2CD683J | J | AA | 68 kohms,1/6W |
| R243,244 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R245,246 | VRD-ST2CD821J | J | AA | 820 ohms,1/6W |
| R247,248 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R249,250 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R251 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R253 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R254 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R255,256 | VRN-VV3AAR10J | J | AB | 0.1 ohm,1W |
| R257,258 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R259,260 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R261~264 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R265,266 | VRD-RT2HD4R7J | J | AA | 4.7 ohms,1/2W |
| R267~270 | VRD-RT2HD331J | J | AA | 330 ohms,1/2W |
| R271,272 | VRD-RT2HD4R7J | J | AA | 4.7 ohms,1/2W |
| R273~276 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R277 | VRD-ST2CD331J | J | AA | 330 ohms,1/6W |
| R278 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R279 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R280 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R281 | VRD-RT2HD120J | J | AA | 12 ohms,1/2W |
| R283 | VRD-ST2CD474J | J | AA | 470 kohms,1/6W |
| R284 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R299 | VRD-ST2CD392J | J | AA | 3.9 kohms,1/6W |
| R302 | VRD-ST2CD100J | J | AA | 10 ohm,1/6W |
| R309 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R311 | VRS-CY1JB104J | J | AA | 100 kohm,1/16W |
| R313 | VRS-CY1JB333J | J | AA | 33 kohms,1/16W |
| R314 | VRD-ST2CD220J | J | AA | 22 ohms,1/6W |
| R322 | VRS-CY1JB681J | J | AA | 680 ohms,1/16W |
| R323 | VRS-CY1JB683J | J | AA | 68 kohms,1/16W |
| R325 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R327 | VRD-ST2CD330J | J | AA | 33 ohms,1/6W |
| R336 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R345 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R350 | VRS-CY1JB272J | J | AA | 2.7 kohms,1/16W |
| R351 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R352 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R353 | VRS-CY1JB271J | J | AA | 270 ohms,1/16W |
| R354 | VRS-CY1JB392J | J | AA | 3.9 kohms,1/16W |
| R355 | VRS-CY1JB332J | J | AA | 3.3 kohms,1/16W |
| R356 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R357 | VRS-CY1JB474J | J | AA | 470 kohms,1/16W |
| R358 | VRS-CY1JB822J | J | AA | 8.2 kohms,1/16W |
| R359 | VRS-CY1JB182J | J | AA | 1.8 kohms,1/16W |
| R360 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R361,362 | VRS-CY1JB183J | J | AA | 18 kohms,1/16W |
| R363,364 | VRS-CY1JB122J | J | AA | 1.2 kohms,1/16W |
| R369 | VRD-ST2EE821J | J | AA | 820 ohms,1/4W |
| R370 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R371 | VRS-CY1JB472J | J | AA | 4.7 kohms,1/16W |
| R372~374 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R376 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R377 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R378 | VRS-CY1JB823J | J | AA | 82 kohms,1/16W |
| R379 | VRS-CY1JB222J | J | AA | 2.2 kohms,1/16W |
| R380 | VRS-CY1JB152J | J | AA | 1.5 kohms,1/16W |
| R381 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R382 | VRD-ST2EE151J | J | AA | 150 ohms,1/4W |
| R383~385 | VRS-CY1JB562J | J | AA | 5.6 kohms,1/16W |
| R389 | VRS-CY1JB392J | J | AA | 3.9 kohms,1/16W |
| R391,392 | VRD-ST2EE391J | J | AA | 390 ohms,1/4W |
| R393 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R395 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R399 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R401,402 | VRS-CY1JB272J | J | AA | 2.7 kohms,1/16W |
| R403,404 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R405,406 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R407,408 | VRS-CY1JB394J | J | AA | 390 kohms,1/16W |
| R409,410 | VRS-CY1JB333J | J | AA | 33 kohms,1/16W |
| R411,412 | VRS-CY1JB682J | J | AA | 6.8 kohms,1/16W |
| R413~416 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R420,421 | VRD-ST2EE331J | J | AA | 330 ohms,1/4W |
| R422 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R423 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R424 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R501,502 | VRD-ST2CD331J | J | AA | 330 ohms,1/6W |
| R503,504 | VRS-CY1JB222J | J | AA | 2.2 kohms,1/16W |
| R507 | VRS-CY1JB223J | J | AA | 22 kohms,1/16W |
| R511,512 | VRS-CY1JB822J | J | AA | 8.2 kohms,1/16W |
| R513,514 | VRS-CY1JB122J | J | AA | 1.2 kohms,1/16W |
| R515,516 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R517 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R522,523 | VRD-ST2EE331J | J | AA | 330 ohms,1/4W |
| R524~526 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R527,528 | VRS-CY1JB222J | J | AA | 2.2 kohms,1/16W |
| R529~534 | VRS-CY1JB392J | J | AA | 3.9 kohms,1/16W |
| R535,536 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R537,538 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R539,540 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R541,542 | VRS-CY1JB152J | J | AA | 1.5 kohms,1/16W |
| R543,544 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R547,548 | VRS-CY1JB222J | J | AA | 2.2 kohms,1/16W |
| R549,550 | VRS-CY1JB393J | J | AA | 39 kohms,1/16W |
| R551,552 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R582 | VRS-CY1JB223J | J | AA | 22 kohms,1/16W |
| R591,592 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R701~706 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R707,708 | VRD-ST2CD272J | J | AA | 2.7 kohms,1/6W |
| R710,711 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R712 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R713~715 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R716 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R717 | VRD-ST2CD332J | J | AA | 3.3 kohms,1/6W |
| R720,721 | VRD-ST2CD682J | J | AA | 6.8 kohms,1/6W |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| R723 | VRD-ST2CD182J | J | AA | 1.8 kohms,1/6W |
| R726 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R728,729 | VRD-ST2CD153J | J | AA | 15 kohms,1/6W |
| R730,731 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R733 | VRD-ST2CD182J | J | AA | 1.8 kohms,1/6W |
| R735,736 | VRD-ST2CD333J | J | AA | 33 kohms,1/6W |
| R747 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R748 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R749 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R750 | VRD-ST2CD101J | J | AA | 100 ohm,1/6W |
| R752~754 | VRD-ST2CD122J | J | AA | 1.2 kohms,1/6W |
| R755~757 | VRD-ST2CD152J | J | AA | 1.5 kohms,1/6W |
| R758~760 | VRD-ST2CD182J | J | AA | 1.8 kohms,1/6W |
| R761 | VRD-ST2CD331J | J | AA | 330 ohms,1/6W |
| R762 | VRS-CY1JB682J | J | AA | 6.8 kohms,1/16W |
| R763 | VRS-CY1JB272J | J | AA | 2.7 kohms,1/16W |
| R764~766 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R767 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R768 | VRD-RT2HD2R2J | J | AA | 2.2 ohms,1/2W |
| R769~771 | VRD-ST2CD392J | J | AA | 3.9 kohms,1/6W |
| R772 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R773~775 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R776 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R777~779 | VRD-ST2CD822J | J | AA | 8.2 kohms,1/6W |
| R780 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R781~783 | VRD-ST2CD183J | J | AA | 18 kohms,1/6W |
| R785 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R787 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R788 | VRD-ST2EE820J | J | AA | 82 ohms,1/4W |
| R789 | VRD-ST2EE151J | J | AA | 150 ohms,1/4W |
| R790 | VRD-ST2EE331J | J | AA | 330 ohms,1/4W |
| R791,792 | VRD-ST2CD272J | J | AA | 2.7 kohms,1/6W |
| R793~797 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R798 | VRD-ST2CD333J | J | AA | 33 kohms,1/6W |
| R802 | VRD-ST2CD512J | J | AA | 5.1 kohms,1/6W |
| R803 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R804 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R805~807 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R808 | VRD-ST2CD221J | J | AA | 220 ohms,1/6W |
| R809 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R811 | VRD-RT2HD3R3J | J | AA | 3.3 ohms,1/2W |
| R813 | VRD-ST2CD152J | J | AA | 1.5 kohms,1/6W |
| R814 | VRD-ST2CD101J | J | AA | 100 ohm,1/6W |
| R815 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R820,821 | VRD-ST2CD471J | J | AA | 470 ohms,1/6W |
| R822 | VRD-ST2CD152J | J | AA | 1.5 kohms,1/6W |
| R827 | RR-HZ0001AWZZ | J | AE | 4.7 Mohms,1/2W |
| R830 | VRD-ST2CD101J | J | AA | 100 ohm,1/6W |
| R834,835 | VRD-RT2HD560J | J | AA | 56 ohms,1/2W |
| R836 | VRD-ST2EE271J | J | AA | 270 ohms,1/4W |
| R837 | VRD-RT2HD3R3J | J | AA | 3.3 ohms,1/2W |
| R901~903 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R904 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R905,906 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R907 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R908 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R910~913 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R914~917 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R918~921 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R923~926 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R927 | VRS-CY1JB101J | J | AA | 100 ohm,1/16W |
| R928~933 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R934 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R935,936 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R941 | VRS-CY1JB334J | J | AA | 330 kohms,1/16W |
| R943,944 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R945 | VRS-CY1JB101J | J | AA | 100 ohm,1/16W |
| R946~948 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R949 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R953,954 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R955~959 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R960 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R962,963 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R965,966 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R967 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R968~970 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R971 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R972 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R973,974 | VRS-CY1JB221J | J | AA | 220 ohms,1/16W |
| R975~981 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R982,983 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R984~988 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R989 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R990 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R991 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R992~994 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R995 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R996~998 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R999 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R1001 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R1002 | VRS-CY1JB104J | J | AA | 100 kohm,1/16W |
| R1003 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R1004 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R1005 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1007 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R1008 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R1011 | VRS-CY1JB104J | J | AA | 100 kohm,1/16W |
| R1012 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R1013 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R1014 | VRS-CY1JB104J | J | AA | 100 kohm,1/16W |
| R1015 | VRS-CY1JB821J | J | AA | 820 ohms,1/16W |
| R1016,1017 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1020 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R1022 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R1023 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R1024 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1026,1027 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1028 | VRS-CY1JB273J | J | AA | 27 kohms,1/16W |
| R1029 | VRS-CY1JB473J | J | AA | 47 kohms,1/16W |
| R1031,1032 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R1035,1036 | VRS-CY1JB562J | J | AA | 5.6 kohms,1/16W |
| R1040 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1044 | VRS-CY1JB223J | J | AA | 22 kohms,1/16W |
| R1046 | VRS-CY1JB123J | J | AA | 12 kohms,1/16W |
| R1048 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1050~1052 | VRS-CY1JB102J | J | AA | 1 kohm,1/16W |
| R1053~1057 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1058 | VRS-CY1JB104J | J | AA | 100 kohm,1/16W |
| R1060 | VRS-CY1JB104J | J | AA | 100 kohm,1/16W |
| R1065,1066 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1068 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R1071,1072 | VRD-ST2CD333J | J | AA | 33 kohms,1/6W |
| R1073 | VRS-CY1JB104J | J | AA | 100 kohm,1/16W |
| R1077,1078 | VRD-ST2CD392J | J | AA | 3.9 kohms,1/6W |
| R1079,1080 | VRS-CY1JB152J | J | AA | 1.5 kohms,1/16W |
| R1082 | VRS-CY1JB272J | J | AA | 2.7 kohms,1/16W |
| R1084~1090 | VRS-CY1JB562J | J | AA | 5.6 kohms,1/16W |
| R1092~1094 | VRS-CY1JB562J | J | AA | 5.6 kohms,1/16W |
| R1095,1096 | VRD-ST2CD273J | J | AA | 27 kohms,1/6W |
| R1097,1098 | VRS-CY1JB152J | J | AA | 1.5 kohms,1/16W |
| R1099 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R1101~1103 | VRS-CY1JB223J | J | AA | 22 kohms,1/16W |
| R1104 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1105 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R1106~1109 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1124,1125 | VRS-CY1JB103J | J | AA | 10 kohm,1/16W |
| R1132 | VRS-CY1JB221J | J | AA | 220 ohms,1/16W |
| R1133 | VRD-ST2CD471J | J | AA | 470 ohms,1/6W |
| R1134 | VRS-CY1JB563J | J | AA | 56 kohms,1/16W |
| R1135 | VRS-CY1JB272J | J | AA | 2.7 kohms,1/16W |
| R1136 | VRS-CY1JB331J | J | AA | 330 ohms,1/16W |
| R1137 | VRS-CY1JB224J | J | AA | 220 kohms,1/16W |
| R1138 | VRS-CY1JB564J | J | AA | 560 kohms,1/16W |
| R1140 | VRD-ST2EE2R2J | J | AA | 2.2 ohms,1/4W |
| R1141 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R1142 | VRD-ST2EE2R2J | J | AA | 2.2 ohms,1/4W |
| R1143 | VRD-ST2CD105J | J | AA | 1 Mohm,1/6W |
| RA710,711 | VRD-ST2CD151J | J | AA | 150 ohms,1/6W |
| RP801 | RH-QX0011AWZZ | J | AG | Posistor,0.23 ohms |
| RP806 | RH-QX0003AWZZ | J | AK | Posistor,2.2 ohms |

## OTHER CIRCUITRY PARTS

| | | | | |
|---|---|---|---|---|
| BI12/CNS12 | QCNWN1681AWZZ | J | AF | Connector Ass'y,2/2Pin |
| BI201A/B | QCNWN1658AWZZ | J | AF | Connector Ass'y,8/8Pin |
| BI702/CNS702 | QCNWN1669AWZZ | J | AH | Connector Ass'y,12/12Pin |
| BI705A/B | QCNWN1674AWZZ | J | AD | Connector Ass'y,2/2Pin |
| BI720/CNS720 | QCNWN1665AWZZ | J | AH | Connector Ass'y,11/11Pin |
| BI722A/B | QCNWN1685AWZZ | J | AD | Connector Ass'y,2/2Pin |
| BI730/CNS730 | QCNWN1675AWZZ | J | AE | Connector Ass'y,4/4Pin |
| BI740A/B | QCNWN1673AWZZ | J | AE | Connector Ass'y,3/3Pin |
| BI741/CNS741 | QCNWN1666AWZZ | J | AG | Connector Ass'y,5/5Pin |
| BI770/CNS770 | QCNWN1667AWZZ | J | AG | Connector Ass'y,7/7Pin |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| BI771A/B | QCNWN1684AWZZ | J | AE | Connector Ass'y,4/4Pin |
| BI772/CNS772 | QCNWN1683AWZZ | J | AG | Connector Ass'y,6/6Pin |
| BI773/CNS773 | QCNWN1682AWZZ | J | AD | Connector Ass'y,2/2Pin |
| BI804/CNS804 | QCNWN1657AWZZ | J | AF | Connector Ass'y,8/8Pin |
| BI808/CNS808 | QCNWN1655AWZZ | J | AE | Connector Ass'y,5/5Pin |
| BI940/CNS940 | QCNWN1661AWZZ | J | AF | Connector Ass'y,8/8Pin |
| BI950 | QCNCW010HAWZZ | J | AD | Socket,8Pin |
| BI960 | QCNCW010QAWZZ | J | AE | Socket,15Pin |
| CNP1 | QCNCWZF33AWZZ | J | AF | Socket,33Pin |
| CNP2 | QCNCW026HAWZZ | J | AC | Socket,8Pin |
| CNP3 | QCNCW026DAWZZ | J | AC | Socket,4Pin |
| CNP4 | 92LCONE4P53254 | J | AC | Plug,4Pin |
| CNP5 | QCNCM704HAWZZ | J | AC | Plug,8Pin |
| CNP6 | 92LCONE6P53253 | J | AC | Plug,6Pin |
| CNP6A | 92LCONE6P53254 | J | AC | Plug,6Pin |
| CNP7 | QCNCM704GAWZZ | J | AC | Plug,7Pin |
| CNP101 | QCNCM704GAFZZ | J | AC | Plug,7Pin |
| CNP102 | QCNCM704HAFZZ | J | AC | Plug,8Pin |
| CNP203 | 92LCONE5P5268 | J | AD | Plug,5Pin |
| CNP204 | 92LCONE2P53254 | J | AB | Plug,2Pin |
| CNP207 | 92LCONE4P53254 | J | AC | Plug,4Pin |
| CNP703 | QCNCWZG17AWZZ | J | AD | Socket,17Pin |
| CNP721 | 92LCONE6P53254 | J | AC | Plug,6Pin |
| CNP775 | 92LCONE2P53253 | J | AB | Plug,2Pin |
| CNP801 | QCNCM049BAWZZ | J | AC | Plug,2Pin |
| CNP802 | QCNCM051EAWZZ | J | AD | Plug,5Pin |
| CNP803 | QCNCM035EAWZZ | J | | Plug,5Pin |
| CNP805 | 92LCONE8P5268 | J | | Plug,8Pin |
| CNP806 | QCNCM010QAWZZ | J | AD | Plug,15Pin |
| CNP807 | QCNCM010HAWZZ | J | AC | Plug,8Pin |
| CNP808 | QCNCM698GAFZZ | J | AB | Plug,7Pin |
| CNP901 | QCNCWZF33AWZZ | J | AF | Socket,33Pin |
| CNP911 | QCNCM035FAWZZ | J | AC | Plug,6Pin |
| CNP912 | QCNCWZG07AWZZ | J | AC | Socket,7Pin |
| CNP914 | QCNCWZG05AWZZ | J | AB | Socket,5Pin |
| CNP931 | 92LCONPB11BPHK | J | AC | Plug,11Pin |
| CNP933 | 92LCONE5P53253 | J | AB | Plug,5Pin |
| CNP934 | 92LCONE7P53253 | J | AC | Plug,7Pin |
| CNP935 | 92LCONPB12BPHK | J | AD | Plug,12Pin |
| CNP970 | QCNCWZG12AWZZ | J | AC | Socket,12Pin |
| CNP975 | 92LCONE2P53014 | J | AB | Plug,2Pin |
| CNS4 | QCNWN1692AWZZ | J | AD | Connector Ass'y,4Pin |
| CNS5A/B | QCNWN1690AWZZ | J | AG | Connector Ass'y,8/8Pin |
| CNS6A/B | QCNWN1668AWZZ | J | AF | Connector Ass'y,6/6Pin |
| CNS7A/B | QCNWN1689AWZZ | J | AF | Connector Ass'y,7/7Pin |
| CNS200 | QCNWN1659AWZZ | J | AC | Connector Ass'y,2Pin |
| CNS808A/B | QCNWN1679AWZZ | J | AF | Connector Ass'y,7/7Pin |
| CNS911A/B | QCNWN1670AWZZ | J | AH | Connector Ass'y,6/6Pin |
| COR801 | RCORF0015AWZZ | J | AB | Core |
| CORE1 | RCORF0015AWZZ | J | AB | Core |
| ⚠ F801 | QFS-D252BSJNI | J | AB | Fuse,2.5A 125V |
| ⚠ F802 | QFS-D322BSJNI | J | | Fuse,3.15A 125V |
| ⚠ F803,804 | QFS-D502BSJNI | J | AE | Fuse,5A 125V |
| ⚠ F805,806 | QFS-D402BSJNI | J | AB | Fuse,4A 125V |
| ⚠ F807 | QFS-D502BSJNI | J | AE | Fuse,5A 125V |
| ⚠ F808 | QFS-D252BSJNI | J | AB | Fuse,2.5A 125V |
| FFC901 | QCNWN1672AWZZ | J | AF | Flat Cable,33Pin |
| FFC912 | QCNWN1677AWZZ | J | AD | Flat Cable,7Pin |
| FFC914 | QCNWN1678AWZZ | J | AD | Flat Cable,5Pin |
| FFC970 | QCNWN1686AWZZ | J | AE | Flat Cable,12Pin |
| FW2 | QCNWN1691AWZZ | J | AD | Flat Wire,8Pin |
| FW3 | QCNWN1693AWZZ | J | AC | Flat Wire,4Pin |
| JK501 | QSOCJ0408AWZZ | J | | Jack,Aux/Phone |
| JK701 | QJAKM0010AWZZ | J | AF | Jack,Headphones |
| JOG701 | QSW-Z0011AWZZ | J | AG | Switch,Push Type [Jog Dial] |
| LCD710 | RUNTZ0021AWZZ | J | BL | LCD Display |
| MO200 | RMOTV0027AWZZ | J | AM | Motor,Air Cooling Fan |
| MO700 | RMOTV0027AWZZ | J | AM | Motor,Control Panel |
| MOB1 | 92LMTR3435DASY | J | AM | Main Cam Motor Ass'y |
| MOB2 | 92LMTR3435DASY | J | AM | Tray Motor Ass'y |
| NM1 | 92LMTR2996CASY | J | AS | Motor with Chassis [Spindle] |
| NM2 | 92LMTR1854BASY | J | AP | Motor with Gear [Sled] |
| NSW1 | QSW-F9001AW01 | J | AD | Switch,Push Type [Pickup In] |
| RX701 | VHLN64H380A-1 | J | AK | Remote Sensor,N64H380A |
| ⚠ RY201,202 | RRLYD0004AWZZ | J | AP | Relay |
| ⚠ RY801 | RRLYD0001SJZZ | J | AQ | Relay |
| SO201 | QTANA0806AWZZ | J | AG | Terminal,Speaker |
| SO301 | QTANC0103AWZZ | J | AD | Terminal,Antenna |
| SW701 | 92LSWICH1401AT | J | AC | Switch,Key Type [Power] |
| SW705 | QSW-B0002AWZZ | J | AF | Switch,Lever Type [Open/Close] |
| SW710 | 92LSWICH1401AT | J | AC | Switch,Key Type [Panel Open/Close] |
| SW711 | 92LSWICH1401AT | J | AC | Switch,Key Type [Volume Down] |
| SW712 | 92LSWICH1401AT | J | AC | Switch,Key Type [Volume Up] |
| SW720 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD1 Eject] |
| SW721 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD2 Eject] |
| SW722 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD3 Eject] |
| SW723 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD4 Eject] |
| SW724 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD5 Eject] |
| SW725 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD6 Eject] |
| SW730 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD1 Play] |
| SW731 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD2 Play] |
| SW732 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD3 Play] |
| SW733 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD4 Play] |
| SW734 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD5 Play] |
| SW735 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD6 Play] |
| SW750 | 92LSWICH1401AT | J | AC | Switch,Key Type [Auto Marker] |
| SW751 | 92LSWICH1401AT | J | AC | Switch,Key Type [Erase] |
| SW752 | 92LSWICH1401AT | J | AC | Switch,Key Type [Finalize] |
| SW753 | 92LSWICH1401AT | J | AC | Switch,Key Type [Fast Reverse] |
| SW754 | 92LSWICH1401AT | J | AC | Switch,Key Type [Fast Forward] |
| SW755 | 92LSWICH1401AT | J | AC | Switch,Key Type [Tape Record] |
| SW756 | 92LSWICH1401AT | J | AC | Switch,Key Type [Play/Pause] |
| SW757 | 92LSWICH1401AT | J | AC | Switch,Key Type [Stop] |
| SW758 | 92LSWICH1401AT | J | AC | Switch,Key Type [Play] |
| SW760 | 92LSWICH1401AT | J | AC | Switch,Key Type [AUX] |
| SW761 | 92LSWICH1401AT | J | AC | Switch,Key Type [Tape] |
| SW762 | 92LSWICH1401AT | J | AC | Switch,Key Type [Tuner] |
| SW763 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD] |
| SW764 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD-R] |
| SW765 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD/CD-R] |
| SW766 | 92LSWICH1401AT | J | AC | Switch,Key Type [Track Edit] |
| SW767 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD-R Record] |
| SW768 | 92LSWICH1401AT | J | AC | Switch,Key Type [Record Mode] |
| SW769 | 92LSWICH1401AT | J | AC | Switch,Key Type [High/Normal] |
| SW772 | 92LSWICH1401AT | J | AC | Switch,Key Type [Equalizer Mode] |
| SW773 | 92LSWICH1401AT | J | AC | Switch,Key Type [X-BASS] |
| SW774 | 92LSWICH1401AT | J | AC | Switch,Key Type [Display Character] |
| SW775 | 92LSWICH1401AT | J | AC | Switch,Key Type [Menu] |
| SW776 | 92LSWICH1401AT | J | AC | Switch,Key Type [Name TOC Edit] |
| SW777 | 92LSWICH1401AT | J | AC | Switch,Key Type [Delete] |
| SW778 | 92LSWICH1401AT | J | AC | Switch,Key Type [Enter] |
| SW780 | 92LSWICH1401AT | J | AC | Switch,Key Type [CD-R Open/Close] |
| SW783 | 92LSWICH1401AT | J | AC | Switch,Key Type [Play Mode] |
| SWB101 | QSW-P9005AWZZ | J | AD | Switch,Push Type[Disc Detect 1] |
| SWB102 | QSW-P9005AWZZ | J | AD | Switch,Push Type[Disc Detect 2] |
| SWB103 | QSW-P9005AWZZ | J | AD | Switch,Push Type[Disc Detect 3] |
| SWB104 | QSW-P9003AWZZ | J | AD | Switch,Push Type [Mode 1] |
| SWB105 | QSW-P9003AWZZ | J | AD | Switch,Push Type [Mode 2] |
| SWB106 | QSW-P9003AWZZ | J | AD | Switch,Push Type [Mode 3] |
| SWB107 | QSW-P9003AWZZ | J | AD | Switch,Push Type [Mode 4] |
| SWB108 | QSW-P9003AWZZ | J | AD | Switch,Push Type [Mode 5] |
| SWB109 | QSW-P9004AWZZ | J | AE | Switch,Push Type [Tray 1] |
| SWB110 | QSW-P9004AWZZ | J | AE | Switch,Push Type [Tray 2] |
| UNA901 | VHPGP1F32R/-1 | J | AP | Terminal,Digital Input |
| UNA902 | VHPGP1F32T/-1 | J | AP | Terminal,Digital Output |

## CD MECHANISM PARTS

| | | | | |
|---|---|---|---|---|
| 301 | NGERH0011AWZZ | J | AC | Gear,Middle |
| 302 | NGERH0012AWZZ | J | AC | Gear,Drive |
| 303 | MLEVP0080AWZZ | J | AC | Rail,Guide |
| 304 | NSFTM0020AWFW | J | AD | Shaft,Guide |
| 305 | 92LMCUSN1524A | J | AD | Cushion |
| ⚠ 306 | 92LHPC1LXASY | J | BD | Pickup Unit Ass'y |
| 306- 1 | ———— | | — | Pickup Unit (Not Replacement Item) |
| 306- 2 | NGERR0043AFZZ | J | AC | Gear,Rack |
| 306- 3 | MSPRC0961AFZZ | J | AA | Spring,Rack |
| 307 | PCUSG0001AWSA | J | AD | Cushion |
| 308 | PCUSG0004AWSA | J | AD | Cushion |
| 701 | XBSSD26P06000 | J | AA | Screw,ø2.6×6mm |
| 702 | XHBSD20P05000 | J | AA | Screw,ø2×5mm |
| 703 | XBBSD20P03000 | J | AA | Screw,ø2×3mm |
| 704 | LX-WZ1070AFZZ | J | AA | Washer,ø1.5×ø3.8×0.25mm |
| NM1 | 92LMTR2996CASY | J | AS | Motor with Chassis [Spindle] |
| NM2 | 92LMTR1854BASY | J | AP | Motor with Gear [Sled] |
| NSW1 | QSW-F9001AW01 | J | AD | Switch,Push Type [Pickup In] |

# CD-RW5000

## CHANGER MECHANISM PARTS

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| 101 | LCHSM0106AWZZ | J | AQ | Main Base |
| 102 | PGIDM0033AWZZ | J | AH | Change Box,L |
| 103 | PGIDM0034AWZZ | J | AG | Change Box,R |
| 104 | NGERH0121AWZZ | J | AC | Gear,STB B |
| 105 | PGIDM0035AWZZ | J | AH | Bracket,STB Gear |
| 106 | MLEVP0098AWZZ | J | AB | Lever,Tray Lock |
| 107 | MSPRP0040AWFW | J | AD | Spring,Tray Lock Lever |
| 108 | GCOVA1317AWZZ | J | AF | Tray 1 |
| 109 | GCOVA1318AWZZ | J | AF | Tray 2 |
| 110 | GCOVA1319AWZZ | J | AF | Tray 3 |
| 111 | GCOVA1320AWZZ | J | AF | Tray 4 |
| 112 | GCOVA1321AWZZ | J | AF | Tray 5 |
| 113 | GCOVA1322AWZZ | J | AF | Tray 6 |
| 114 | LPLTP0010AWZZ | J | AG | Top Plate,R |
| 115 | MCAMP0009AWZZ | J | AE | Cam,Lift |
| 116 | NSFTT0057AWFD | J | AE | Shaft,Lift Cam |
| 117 | LPLTP0009AWZZ | J | AH | Top Plate,F |
| 118 | MLEVP0099AWZZ | J | AB | Lever,Disc OB |
| 119 | NGERH0098AWZZ | J | AC | Gear,STB Drive,L/R |
| 120 | NGERH0099AWZZ | J | AC | Gear,STB Drive,L |
| 121 | MLEVF0055AWFW | J | AC | Lever,OS,L/R |
| 122 | NGERH0100AWZZ | J | AC | Gear,STB Drive,R |
| 123 | MSPRT0040AWFJ | J | AB | Spring,OS Lever |
| 124 | NGERH0111AWZZ | J | AC | Gear,Tray Drive,R |
| 125 | NGERH0113AWZZ | J | AF | Gear,Tray Joint,R |
| 126 | NGERH0116AWZZ | J | AH | Gear,Mode Big |
| 127 | NGERH0117AWZZ | J | AC | Gear,Lift A |
| 128 | NGERH0118AWZZ | J | AB | Gear,Lift B |
| 129 | NGERH0119AWZZ | J | AF | Gear,Lift C |
| 130 | NGERH0115AWZZ | J | AC | Gear,Tray Idler |
| 131 | NGERH0106AWZZ | J | AC | Gear,MT Idler,F |
| 132 | NGERH0120AWZZ | J | AB | Gear,STB A |
| 133 | NSFTT0055AWM1 | J | AH | Stabilizer Gear Ass'y |
| 133- 1 | NGERH0122AWZZ | J | | Gear,Stabilizer C |
| 133- 2 | NSFTT0055AWFD | J | | Shaft,STB Gear |
| 133- 3 | NGERH0123AWZZ | J | | Gear,STB D |
| 134 | NGERH0108AWZZ | J | AK | Gear,Tray Big |
| 135 | NGERH0109AWZZ | J | AB | Gear,Tray A |
| 136 | NGERH0110AWZZ | J | AC | Gear,Tray B |
| 137 | NGERH0103AWZZ | J | AB | Gear,MT Idler,C |
| 138 | NGERH0102AWZZ | J | AC | Gear,MT Idler,B |
| 139 | NGERH0105AWZZ | J | AB | Gear,MT Idler,E |
| 140 | NGERH0104AWZZ | J | AB | Gear,MT Idler,D |
| 141 | NGERH0101AWZZ | J | AD | Gear,MT Idler,A |
| 142 | NGERH0114AWZZ | J | AB | Gear,Tray C |
| 143 | NGERH0107AWZZ | J | AC | Gear,Tray Drive,F |
| 144 | NGERH0112AWZZ | J | AF | Gear,Tray Joint,F |
| 145 | MLEVP0097AWZZ | J | AB | Lever,Left |
| 146 | NSFTT0056AWFD | J | AC | Shaft,Lift Lever |
| 147 | LHLDZ1270AWZZ | J | AH | Holder,STB |
| 148 | PMAGF0001AWZZ | J | AF | Magnet |
| 149 | LHLDM1011AWZZ | J | AD | STB |
| 150 | 92LNBAND1318A | J | AA | Nylon Band,80mm |
| 151 | QCNCW025DAWZZ | J | AB | Holder,Flat Wire,4Pin |
| 152 | QCNCW025HAWZZ | J | AC | Holder,Flat Wire,8Pin |
| 801 | XBPSD26P04000 | J | AA | Screw,ø2.6×4mm |
| 802 | XEBSD20P07000 | J | AB | Screw,ø2×7mm |
| 803 | XEBSD20P10000 | J | AA | Screw,ø2×10mm |
| 804 | XHBSD20B05000 | J | | Screw,ø2×5mm |
| 805 | LX-EZ0005AWFD | J | AA | Screw,ø2.6×10mm |
| 806 | LX-EZ0026AWFD | J | | Screw,ø2×9mm |
| 807 | LX-JZ0105AFFN | J | AA | Screw,ø1.7×5mm |
| 808 | XEBSD30P10000 | J | AA | Screw,ø3×10mm |
| MOB1 | 92LMTR3435DASY | J | AM | Main Cam Motor Ass'y |
| MOB2 | 92LMTR3435DASY | J | AM | Tray Motor Ass'y |

## CD-R UNIT SERVICE PARTS

| | | | | |
|---|---|---|---|---|
| 1 | RUNTZ0022AWZZ | J | | CD-R Unit Ass'y |
| 1- 1 | GCOVA1336AWSA | J | | CD-R Tray |
| 1- 2 | NBLTK0038AWZZ | J | | CD-R Loading Belt |
| 1- 3 | 92LMTR3438AASY | J | | Tray Motor Ass'y |
| 1- 4 | QSW-F9007AWZZ | J | | Tray Switch |
| 1- 5 | LHLDZ1308AWSA | J | | Clamper Bridge |
| 1- 6 | LHLDZ3020AWZZ | J | | Clamper |

## CABINET PARTS

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| 201 | 92LCAB3438AASY | J | | Front Panel Ass'y |
| 201- 1 | ———— | | — | Front Panel (Not Replacement Item) |
| 201- 2 | GCOVA1314AWSA | J | AF | Cover,Changer Door Panel,Bottom |
| 201- 3 | GCOVA1328AWSA | J | AH | Cover,Cassette Holder |
| 201- 4 | GDORF0080AWSA | J | AG | Cassette Holder |
| 201- 5 | GDORF0081AWSA | J | AD | Door,Changer 1 |
| 201- 6 | GDORF0084AWSA | J | AD | Door,Changer 2 |
| 201- 7 | GDORF0085AWSA | J | AD | Door,Changer 3 |
| 201- 8 | GDORF0086AWSA | J | AD | Door,Changer 4 |
| 201- 9 | GDORF0087AWSA | J | AD | Door,Changer 5 |
| 201-10 | GDORF0088AWSA | J | AD | Door,Changer 6 |
| 201-11 | HDECQ0597AWSA | J | AK | Panel,Changer Door |
| 201-12 | HDECQ0607AWSA | J | AN | Center Window |
| 201-13 | MLOKC0005AWZZ | J | AC | Cassette Lock |
| 201-14 | JKNBZ0724AWSA | J | AF | Button,Power |
| 201-15 | JKNBZ0726AWSA | J | AG | Button,CD Play |
| 201-16 | JKNBZ0735AWSA | J | AF | Button,Control Eject |
| 201-17 | JKNBZ0741AWSA | J | AK | Button,CD Eject |
| 201-18 | LANGK0210AWFW | J | AB | Bracket,Headphones Support |
| 201-19 | LHLDS1005AWZZ | J | AC | Holder,Saft,Left |
| 201-20 | LHLDS1006AWZZ | J | AC | Holder,Saft,Right |
| 201-21 | LHLDZ1271AWSA | J | AD | Holder,Changer Door |
| 201-22 | LHLDZ1276AWZZ | J | AC | Holder,Cassette Lock |
| 201-23 | MLIFP0008AWZZ | J | AD | Damper |
| 201-24 | MSPRC0029AWFJ | J | AB | Spring,Cassette Lock |
| 201-25 | MSPRD0140AWFJ | J | AC | Spring,Cassette Up |
| 201-26 | MSPRD0141AWFJ | J | AB | Spring,Changer Door |
| 201-27 | PCOVA1323AWSA | J | AB | Cover,Remote Sensor |
| 201-28 | PCUSG0053AWSA | J | AB | Cushion,Center Panel |
| 201-29 | LHLDZ1272AWZZ | J | AC | Holder,Switch |
| 201-31 | PSHEM0009AWZZ | J | | Earth Sheet,Display PWB |
| 201-33 | JKNBK0080AWSA | J | AG | Knob,Jog |
| 201-34 | PCOVU1004AWZZ | J | AC | Cover,LCD |
| 201-35 | LHLDZ1265AWZZ | J | AC | Holder,LED,A |
| 201-36 | LHLDZ1266AWZZ | J | AC | Holder,LED,B |
| 201-37 | PSHEP0041AWZZ | J | AG | Sheet,LCD |
| 201-38 | LHLDZ1269AWZZ | J | AD | Holder,LCD |
| 201-39 | PCUSG0054AWSA | J | AG | Cushion,CD-R Door |
| 201-40 | GDORF0083AWSA | J | AH | Door,CD-R |
| 201-41 | MSPRT0042AWFJ | J | AB | Spring,CD-R Door |
| 201-42 | HBDGS3002AWSA | J | AC | Badge,CD-R Door |
| 201-43 | JKNBZ0733AWSA | J | AF | Button,CD-R Eject |
| 201-44 | LHLDZ1275AWZZ | J | AD | Holder,CD-R Door |
| 201-46 | PSHEP0050AWSA | J | | Filter |
| 202 | 92LCAB3435BASY | J | | Side Panel Ass'y,Left |
| 202- 1 | GITAS0077AWSA | J | AP | Side Panel,Left |
| 202- 2 | PCUSG0022AWZZ | J | AB | Cushion,Leg,Left |
| 203 | 92LCAB3435CASY | J | | Side Panel Ass'y,Right |
| 203- 1 | GITAS0078AWSA | J | AP | Side Panel,Right |
| 203- 2 | PCUSG0022AWZZ | J | AB | Cushion,Leg,Right |
| 204 | GCAB-1188AWSA | J | AN | Top Cabinet |
| 205 | 92LPNL3438AASY | J | | Control Panel Ass'y |
| 205- 1 | GCOVA1311AWSA | J | AN | Control Panel A |
| 205- 2 | GCOVA1312AWSA | J | AB | Indicator A,Button |
| 205- 3 | GCOVA1313AWSA | J | AB | Indicator B,Button |
| 205- 4 | GDORF0089AWSA | J | AQ | Control Panel B |
| 205- 5 | HDECQ0601AWSA | J | AM | Decoration Plate,Outer Window |
| 205- 6 | HDECQ0602AWSA | J | AG | Outer Window |
| 205- 7 | HDECQ0603AWSA | J | AG | Inner Window |
| 205- 8 | HDECQ0604AWSA | J | AG | Ring,Jog Knob |
| 205- 9 | JKNBZ0736AWSA | J | AF | Button,Function |
| 205-10 | JKNBZ0734AWSA | J | AH | Button,Control |
| 205-11 | JKNBZ0730AWSA | J | AG | Button,Play Mode |
| 205-12 | JKNBZ0738AWSA | J | AG | Button,Menu |
| 205-13 | JKNBZ0732AWSA | J | AE | Button,Enter |
| 205-14 | MSPRD0142AWFJ | J | AD | Spring,Control Panel |
| 205-15 | LHLDZ1274AWZZ | J | AC | Holder,LED,E |
| 205-16 | LHLDZ1268AWZZ | J | AC | Holder,LED,D |
| 206 | GEAR3435AASY1 | J | | Gear Ass'y |
| 206- 1 | LHLDZ1261AWZZ | J | AE | Gear Box A |
| 206- 2 | LHLDZ1262AWZZ | J | AC | Gear Box B |
| 206- 3 | PSPAZ0023AWZZ | J | AC | Spacer,Warm Gear |
| 206- 4 | NGERH0097AWZZ | J | AC | Gear,Reduc.A |
| 206- 5 | NGERH0124AWZZ | J | AF | Gear,Reduc.B |
| 206- 6 | NGERW0013AWZZ | J | AC | Gear,Warm |
| 206- 7 | NGERW0014AWZZ | J | AF | Gear,Warm Wheel |
| 207 | GITAR0627AWSA | J | AP | Rear Panel [For U.S.A.] |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| 207 | GITAR0641AWSA | J | | Rear Panel [For Canada] |
| 208 | HDECQ0615AWSA | J | AP | Decoration Plate, Display Window |
| 209 | LANGK0197AWFW | J | AG | Bracket,Center Support |
| 210 | LANGK0253AWFW | J | | Bracket,Fan Motor Support |
| 211 | LANGK0199AWFW | J | AF | Bracket,Heat Sink Support |
| 212 | LANGK0200AWFW | J | AE | Bracket,PWB Support |
| 213 | LANGK0202AWFW | J | AE | Bracket,CD-R Support,Left |
| 214 | LANGK0203AWFW | J | AE | Bracket,CD-R Support,Right |
| 215 | LANGT0042AWFW | J | AC | Bracket,Power PWB/Main PWB |
| ⚠216 | LBSHC0005AWZZ | J | AD | Bushing,AC Power Supply Cord |
| 217 | LCHSM0126AWFW | J | | Main Chassis |
| 218 | LCHSZ0017AWFW | J | AN | Chassis,Bottom |
| 219 | LHLDK9001AW00 | J | AB | Poly Core Tie |
| 220 | QCNWN1730AWZZ | J | | Lead Wire with Lug |
| ⚠221 | PRDAR0175AWFW | J | | Heat Sink,Sub C |
| ⚠222 | 92LRDAT1468B | J | AE | Heat Sink,Sub D |
| 223 | PREFL0006AWSA | J | AG | Illuminator |
| 225 | MSPRD0108AWFJ | J | AC | Spring,Fan Motor |
| 226 | NBRGC0003AWZZ | J | AC | Bearing Metal |
| 227 | NFANP0001AWZZ | J | AD | Rotary Fan,Motor |
| 228 | PCUSG0008AWZZ | J | AB | Cushion,Spacer |
| 229 | PCUSG0022AWZZ | J | AB | Cushion,Leg |
| ⚠230 | PRDAR0163AWFW | J | AP | Heat Sink,Main |
| ⚠231 | PRDAR0164AWFW | J | AS | Heat Sink,Sub A |
| ⚠232 | PRDAR0165AWFW | J | AH | Heat Sink,Sub B |
| 233 | 92LNBAND1318A | J | AA | Nylon Band,80mm |
| 236 | PSLDM3075AWFW | J | | Shield Plate,Power PWB |
| 237 | PSLDM3042AWFW | J | AD | Shield Plate,Main PWB |
| 238 | PSPAS0003AWZZ | J | AC | Spacer,Fan Motor Support Bracket |
| ⚠239 | QACCD0022AWZZ | J | AM | AC Power Supply Cord |
| ⚠240 | QFSHD0001AWZZ | J | AB | Holder,Fuse |
| 241 | 92LCSPR1431C | J | AA | Spring,Fan Ring |
| 242 | PSLDM3076AWFW | J | | Shield Plate,Phone |
| 250 | KMECB0016AWZZ | J | BD | Tape Mechanism Ass'y |
| 250- 1 | 92PF513-853 | J | | Head Plate Block |
| 250- 2 | 92PF525-332 | J | | Motor with Pulley [Tape] |
| 250- 3 | 92PF567-647 | J | | Tape Mechanism PWB Ass'y |
| 250- 4 | 92PFF19U- | J | | Belt,Main |
| 250- 5 | 92PF514-133 | J | | Pinch Roller,Right |
| 250- 6 | 92PF514-134 | J | | Pinch Roller,Left |
| 250- 7 | 92PFF19S- | J | | Belt,FF/REW |
| 250- 8 | 92PFD58M- | J | | Gear,Cam |
| 250- 9 | 92PF765-286 | J | | Solenoid |
| 601 | LX-BZ0880AFZZ | J | AC | Screw,ø2×2.2mm |
| 602 | LX-BZ2222AXZZ | J | AB | Screw,Special |
| 603 | LX-EZ0028AWFN | J | AC | Screw,ø2.6×12mm |
| 604 | LX-HZ0082AFZZ | J | AA | Screw,ø4×8mm |
| 605 | LX-JZ0010AFFD | J | AA | Screw,ø3×10mm |
| 606 | XBBSD20P05000 | J | AA | Screw,ø2×5mm |
| 607 | XEBSD26P10000 | J | AA | Screw,ø2.6×10mm |
| 608 | XEBSD30P10000 | J | AA | Screw,ø3×10mm |
| 609 | XEBSD30P14000 | J | AA | Screw,ø3×14mm |
| 610 | XEBSD30P20000 | J | AA | Screw,ø3×20mm |
| 611 | XESSD26P12000 | J | AB | Screw,ø2.6×12mm |
| 612 | XESSD30P10000 | J | AA | Screw,ø3×10mm |
| 613 | XESSN26P12000 | J | | Screw,ø2.6×12mm |
| 614 | XJBSD30P08000 | J | AA | Screw,ø3×8mm |
| 615 | XJBSD30P10000 | J | AA | Screw,ø3×10mm |
| 616 | XJBSD30P14000 | J | AA | Screw,ø3×14mm |
| 617 | XJBSF30P10000 | J | AA | Screw,ø3×10mm |
| 618 | XJBSF30P16000 | J | AA | Screw,ø3×16mm |
| 619 | XJSSD30P10000 | J | AA | Screw,ø3×10mm |
| 620 | XWHSD32-10130 | J | AA | Washer,ø3.2×ø13×1.0mm |

## PACKING PARTS (Except for U.S.A.)

| | | | |
|---|---|---|---|
| SPAKA0268AWZZ | J | | Packing Add.,Front/Rear |
| SPAKC1056AWZZ | J | | Packing Case [Except for Canada] |
| SPAKC1057AWZZ | J | | Packing Case [For Canada] |
| SSAKA0007AWZZ | J | AB | Polyethylene Bag,Accessories |
| SSAKH0038AWZZ | J | AE | Polyethylene Bag,Unit |
| TLABR1144AWZZ | J | AB | Label,Bar Code,Packing Case |

## ACCESSORIES

| | | | |
|---|---|---|---|
| QANTL0009AWZZ | J | AH | AM Loop Antenna |
| TCAUS0042AWZZ | J | AB | Sheet,Energy Star Caution |
| TINSE0323AWZZ | J | AF | Operation Manual [For U.S.A.] |
| TINSK0108AWZZ | J | AK | Operation Manual [For Canada] |
| TINSZ0596AWZZ | J | AB | Quick Guide [U.S.A.Only] |
| TLABN0100AWZZ | J | | Label,Prod.Serial Number [For U.S.A.Only] |
| TLABN0112AWZZ | J | AA | Label,Serial Number [For Canada Only] |
| TLABZ0593AWZZ | J | AB | Label,Energy Star,Set |
| TLABZ0818AWZZ | J | | Label,Feature,CD Changer |
| TLABZ0824AWZZ | J | | Label,Feature,Unit |
| UDSKR0001AFZZ | J | AU | CD-R Disc |
| 92LFANT1746A | J | AD | FM Antenna |
| RRMCG0242AWSA | J | AV | Remote Control |

## P.W.B. ASSEMBLY (Not Replacement Item)

| | | | | |
|---|---|---|---|---|
| PWB-A | 92LPWB3438MANS | J | — | Main |
| PWB-B1~10 | 92LPWB3438DPLS | J | — | Display/LED A/LED B/CD Switch/Control/Jog/Motor/ Switch/Headphones/CD-R (Combined Ass'y) |
| PWB-C | 92LPWB3438CDUS | J | — | CD |
| PWB-D1~3 | 92LPWB3438PWRS | J | — | Power/Sub Trans/Speaker (Combined Ass'y) |
| PWB-E | QPWBF0027AWZZ | J | AD | CD Motor (PWB Only) |
| PWB-F | QPWBF0644AWZZ | J | AD | Tray Switch (PWB Only) |
| PWB-G | QPWBF0645AWZZ | J | AC | Cam Switch (PWB Only) |
| PWB-H | 92PF567-647 | J | — | Tape Mechanism |

## OTHER SERVICE PARTS

| | | | |
|---|---|---|---|
| QCNWN6931AFZZ | J | | Extension Flat Cable (33Pin) |
| UDSKA0004AFZZ | J | AZ | CD Pickup Lens Cleaner Disc |

**CP-RW5000**

## SPEAKER BOX PARTS

| | | | | |
|---|---|---|---|---|
| 701 | 92L0517-01C | J | | Speaker Box Ass'y |
| 702 | 92LJ1934A | J | AL | Front Panel Ass'y |
| 703 | 92LJ1933A | J | AL | Net Frame Ass'y |
| 704 | 92LJ2773TA | J | AH | Ring,Tweeter |
| 705 | 92LJ2772WA | J | AG | Ring,Woofer |
| 706 | 92LJ9802 | J | AF | Catching Holder,Top |
| 707 | 92LJ9802BK | J | AC | Catching Holder,Bottom |
| 708 | 92LJ2776WB | J | AD | Panel,Sub Woofer |
| 709 | 92LE5870 | J | AN | Speaker Cord Ass'y, Woofer with Capacitor |
| 710 | 92LE3192RBA | J | AF | Speaker Cord Ass'y,Sub Woofer |
| 711 | 92LJ9763B | J | AC | Cushion,Speaker Cord |
| 712 | 92LJ3093L | J | | Speaker Terminal,Woofer |
| 713 | 92LJ3093C | J | AK | Speaker Terminal,Sub Woofer |
| 714 | 92LP5889 | J | AC | Label,Specifications |
| 715 | 92LF1078 | J | AB | Screw,ø3×10mm |
| 716 | 92LF1080 | J | AB | Screw,ø3×10mm |
| 717 | 92LF166540ASH | J | AK | Screw,ø4×16mm |
| 718 | 92LF2017A | J | AD | Screw,ø4×20mm |
| 719 | 92LL9763B | J | | Felt |
| 720 | 92LJ3041B | J | | Felt |
| SP601,602 | RSPA10002AW6W | J | AU | Woofer |
| SP603,604 | RSPA00002AW6T | J | AU | Tweeter |
| SP605,606 | VSP0013WB476A | J | AY | Sub Woofer |

## PACKING PARTS (Except for U.S.A.)

| | | | |
|---|---|---|---|
| 92LN1892B | J | | Packing Add.,Bottom,Speaker |
| 92LN1892T | J | | Packing Add.,Top,Speaker |
| 92LV1054C | J | | Polyethylene Bag,Speaker |
| 92LV5840 | J | | Center Pad,Speaker |

## ACCESSORIES

| | | | |
|---|---|---|---|
| 92LT7809 | J | AM | Speaker Cord Ass'y |
| 92LD2576BBK | J | AC | Speaker wire for MAIN terminals |
| 92LD2583RB | J | AC | Speaker wire for SUBWOOFER terminals |

## CD-RW5000

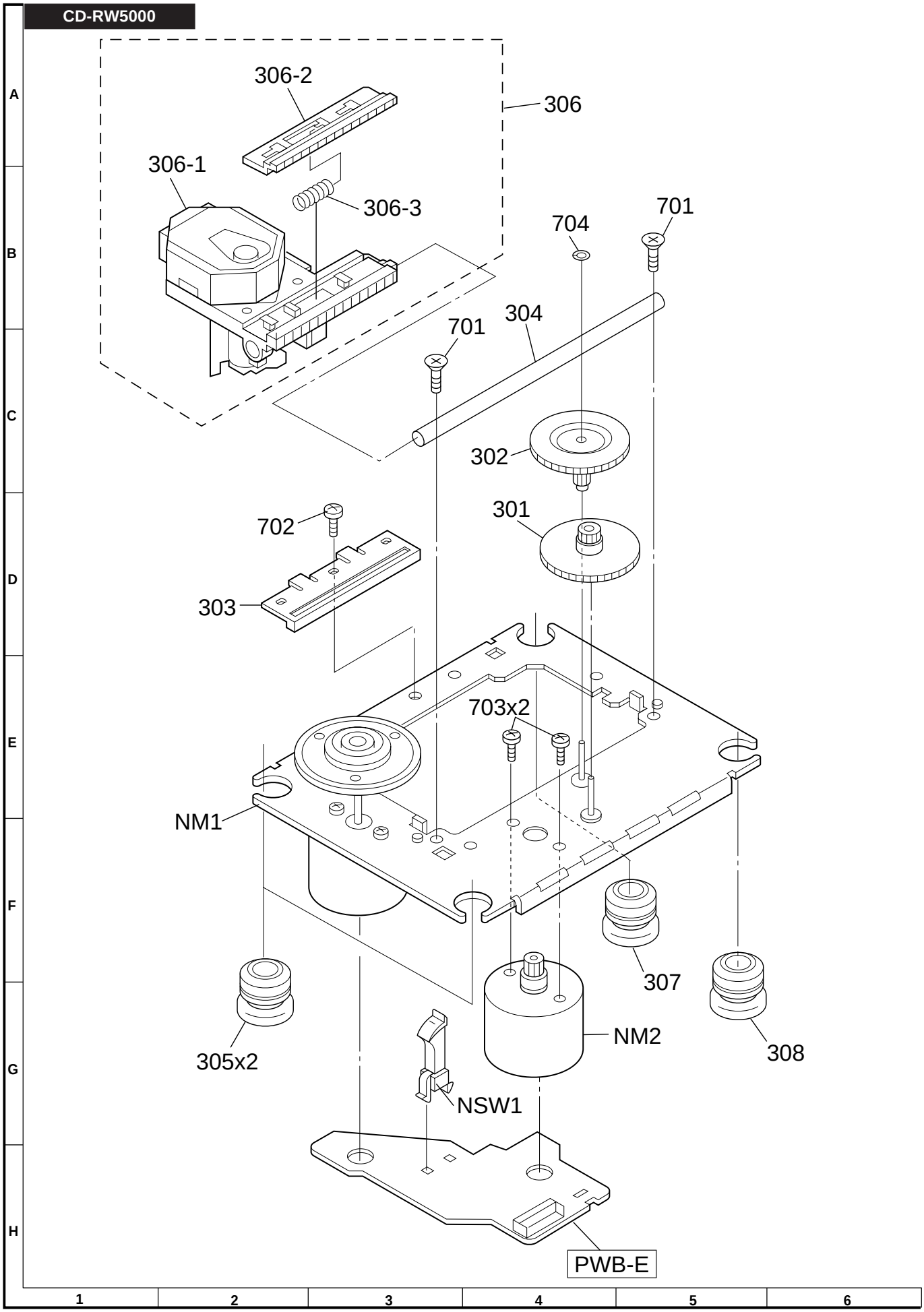



**Figure 9 CD MECHANISM EXPLODED VIEW**

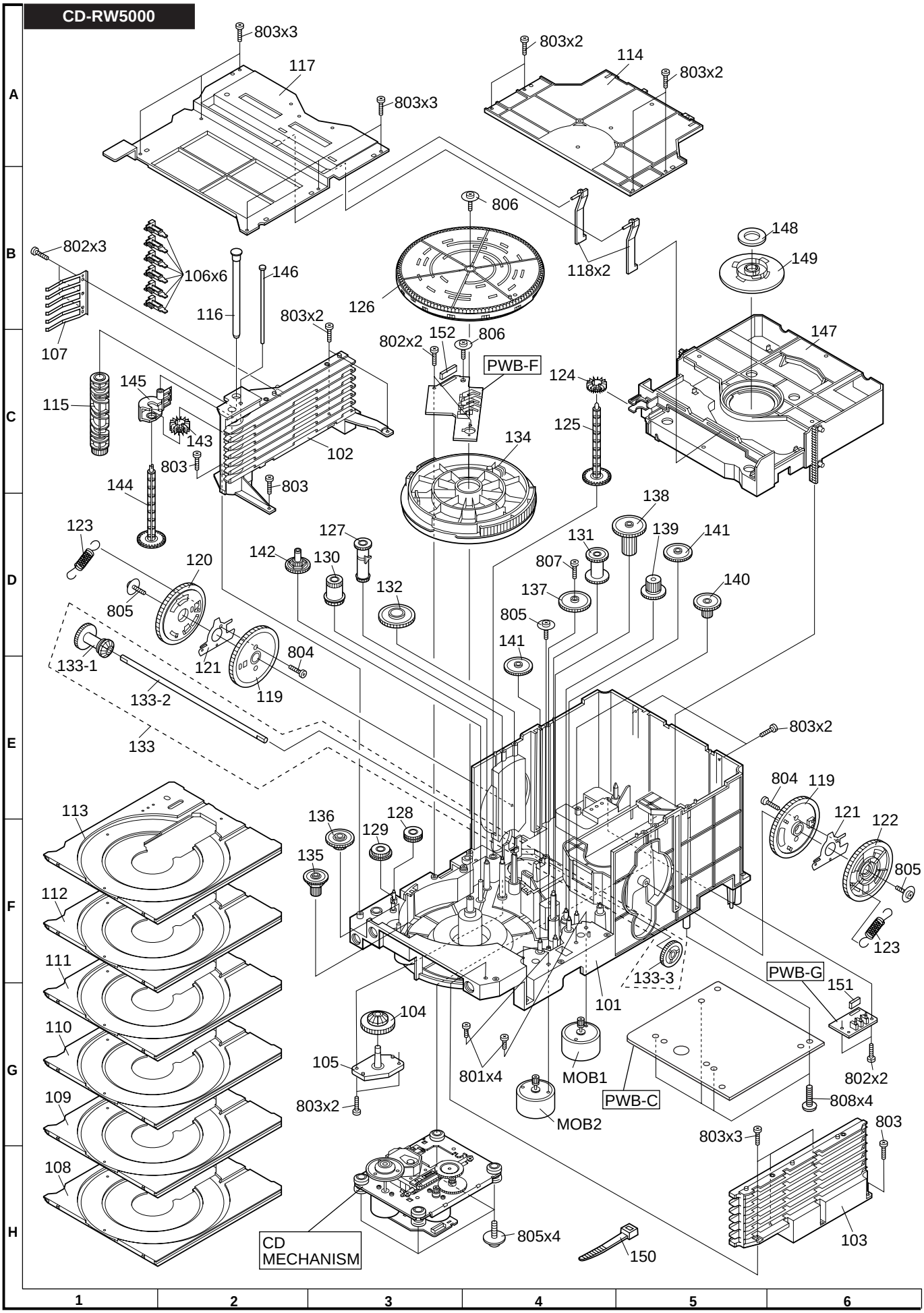



**Figure 10 CD CHANGER MECHANISM EXPLODED VIEW**

CD-RW5000

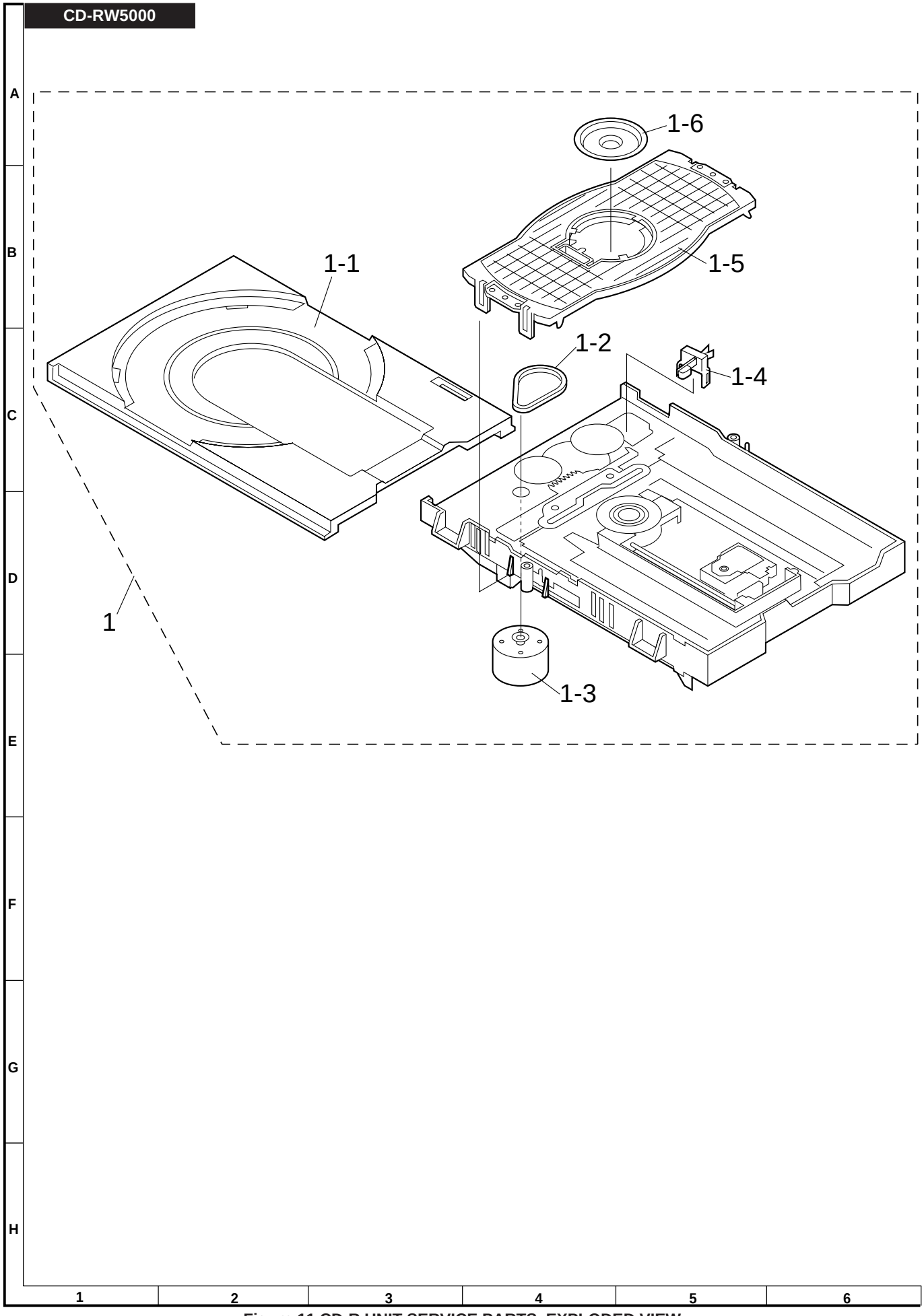
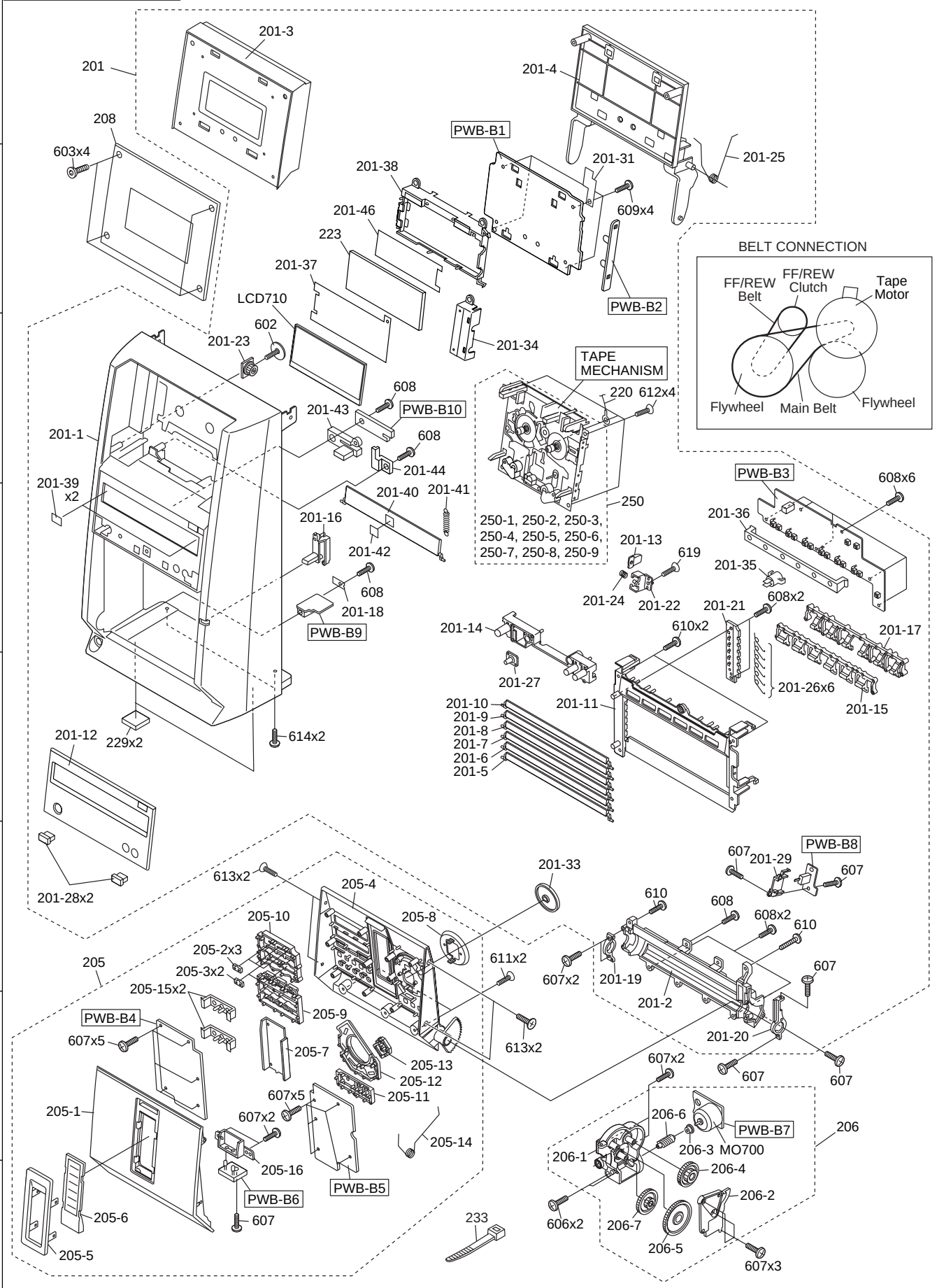



**Figure 11 CD-R UNIT SERVICE PARTS EXPLODED VIEW**

CD-RW5000




Note: Only the unit and consumale parts are supplied as parts supply for the Tape mechanism.

**Figure 12 CABINET EXPLODED VIEW (1/2)**

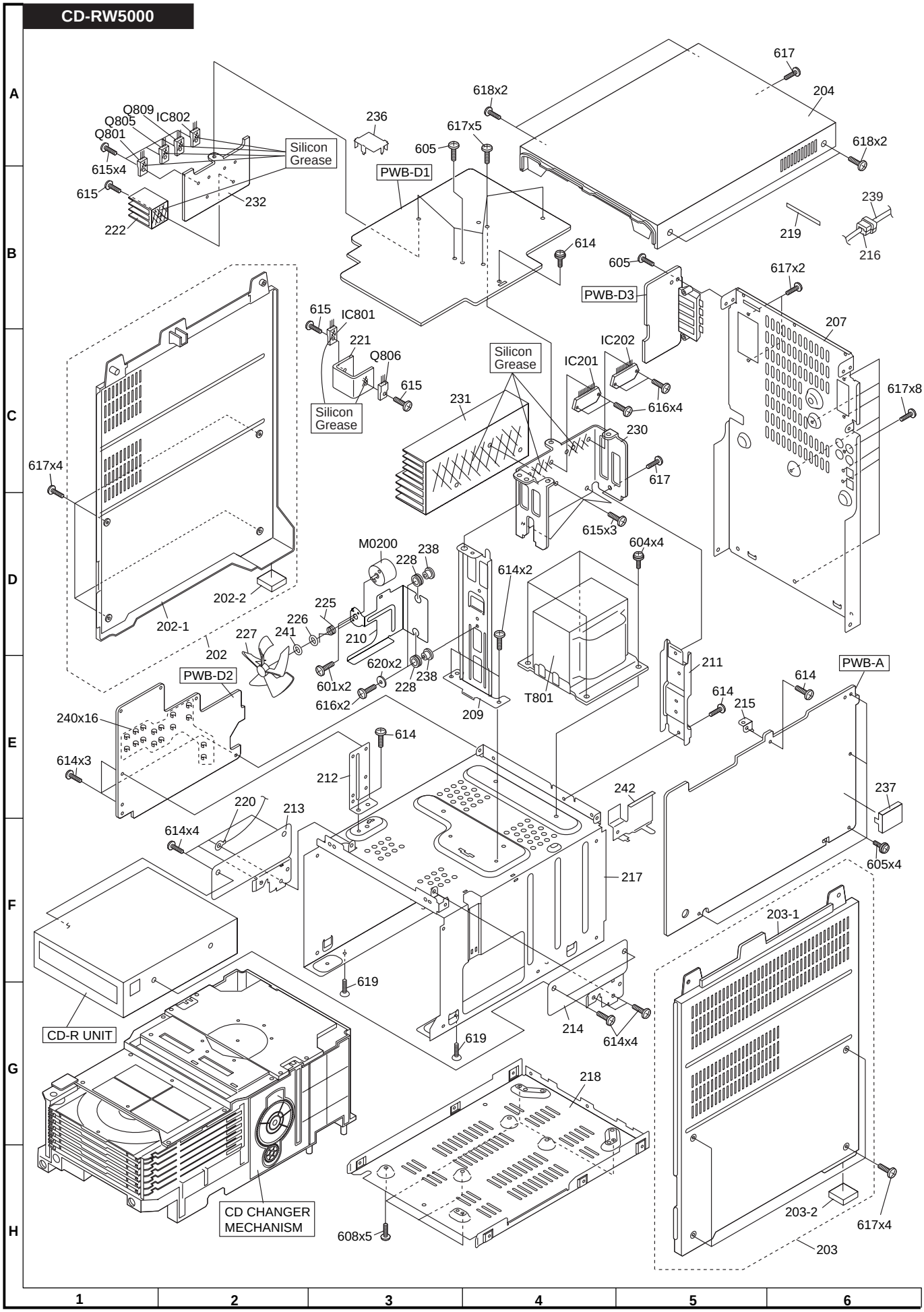



**Figure 13 CABINET EXPLODED VIEW (2/2)**

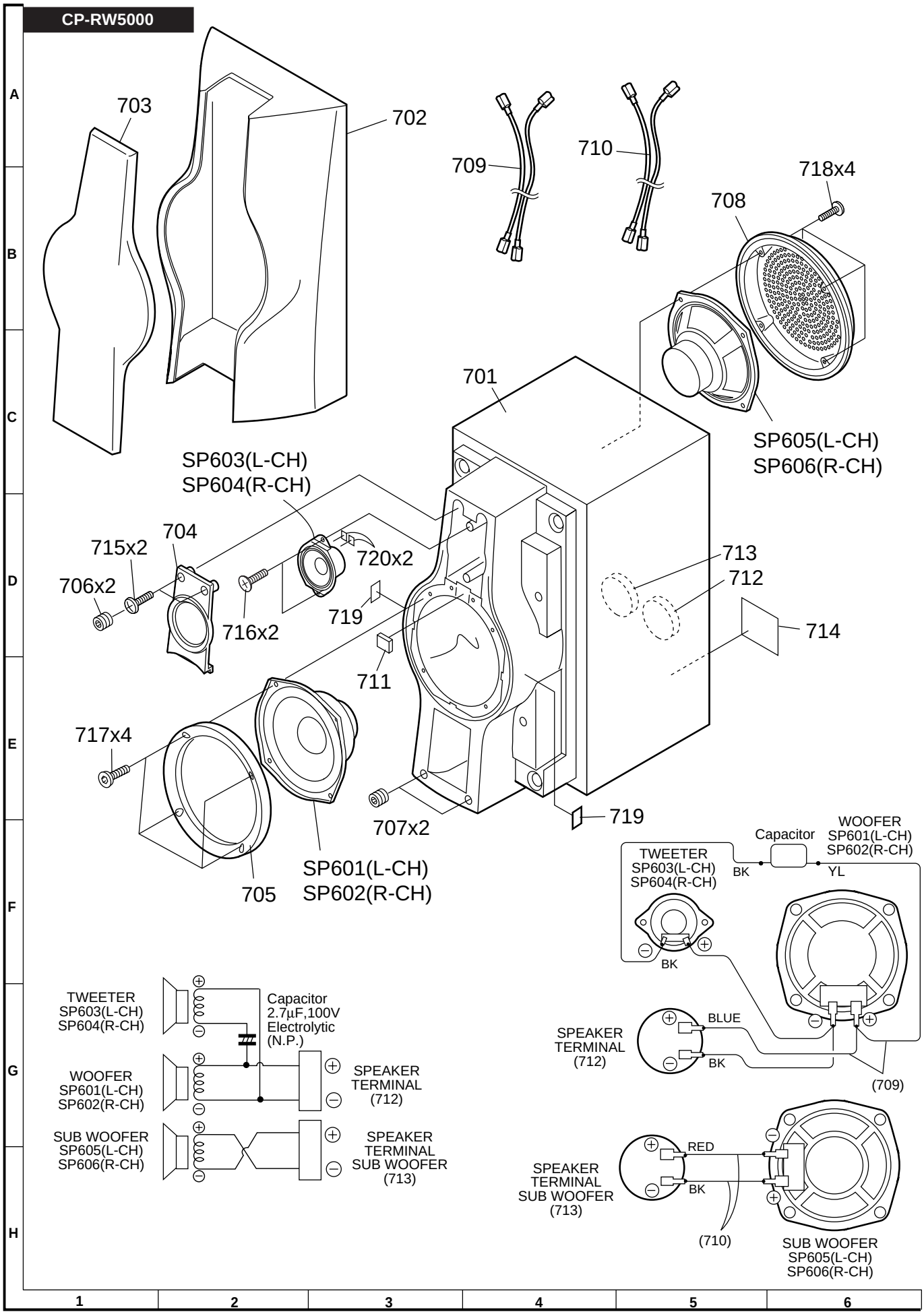
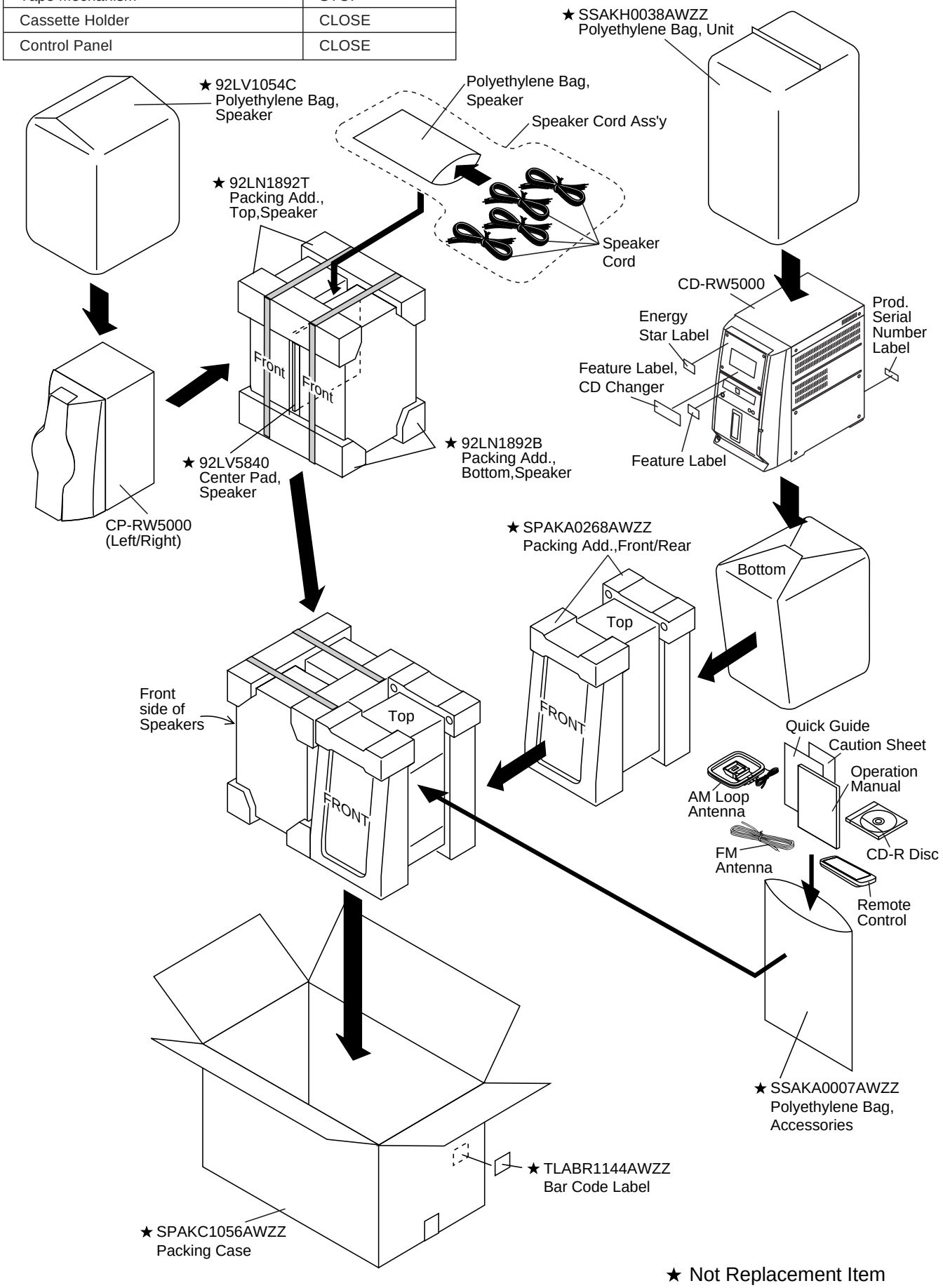



**Figure 14 SPEAKER EXPLODED VIEW**

# PACKING OF THE SET (FOR U.S.A. ONLY)

| Setting position of switches and knobs | |
|---|---|
| Tape Mechanism | STOP |
| Cassette Holder | CLOSE |
| Control Panel | CLOSE |




★ Not Replacement Item

— M E M O —

**CD-RW5000**

SHARP



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**Quality & Reliability Control Center**
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