

SHARP SERVICE MANUAL

No. S9072CDCH100H

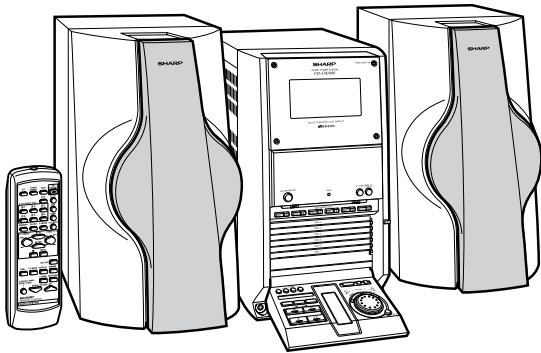


Illustration: CD-CH1000H



COR-D-SEON



AUDIO TOWER SYSTEM

MODEL CD-CH1000H

CD-CH1000H Audio Tower System consisting of CD-CH1000H (main unit) and CP-RW5000H (speaker system).

AUDIO TOWER SYSTEM

MODEL CD-CH1000W

CD-CH1000W Audio Tower System consisting of CD-CH1000W (main unit) and CP-RW5000W (speaker system).

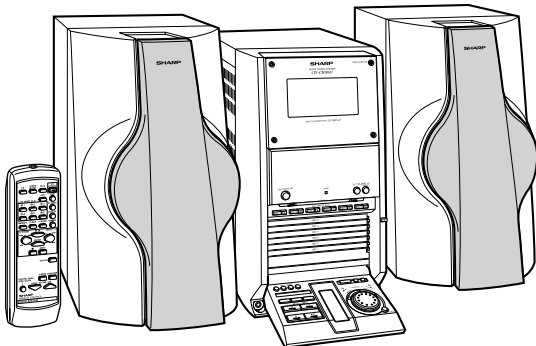


Illustration: CD-CH1000W



- 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.

• Note for users in U.K.

Recording and playback of any material may require consent which SHARP is unable to give. Please refer particularly to the provisions of Copyright Act 1956, the Dramatic and Musical Performers Protection Act 1956, the Performers Protection Acts 1963 and 1972 and to any subsequent statutory enactments and orders.

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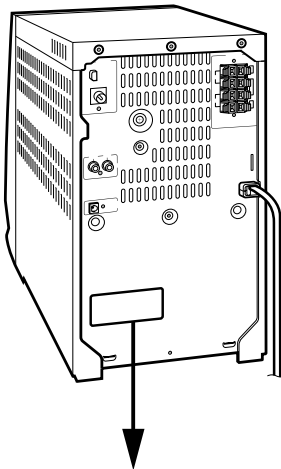
SAFETY PRECAUTION FOR SERVICE MANUAL (FOR CD-CH1000H)

Precaution to be taken when replacing and servicing the Laser Pickup.

The AEL (Accessible Emission Level) of Laser Power Output for this model is specified to be lower than Class I Requirements. However, the following precautions must be observed during servicing to protect your eyes against exposure to the Laser beam.

- (1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
- (2) The Laser Power Output of the Pickup inside the unit and replacement service parts have already been adjusted prior to shipping.
- (3) No adjustment to the Laser Power should be attempted when replacing or servicing the Pickup.
- (4) Under no circumstances look directly into the Pickup Lens at any time.
- (5) CAUTION - Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

(For U.K.)

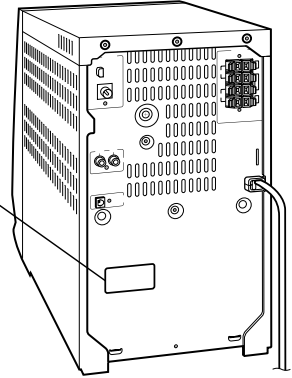


CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

(Except for U.K.)

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

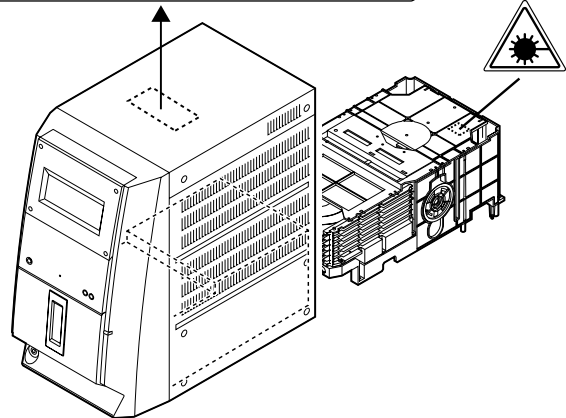
LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
LASER TRÍDY 1
LASER TRIEDY 1



Laser Diode Properties

Material: GaAlAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
VARNING-ÖSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.
ADVERSEL-ÖSYNLIG LASERSTRÅLNING VED ÅBNING. SE IKKE IND I STRÅLEN-HELLER IKKE MED OPTISKE INSTRUMENTER.
VARO! AVATTAESSA OLET ALTIINA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUUJOTA SÄTEESEEN ALAKA KATSO SIÄ OPTISEN LAITTEEN LAPI.
VARNING-ÖSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRÄKTA EJ STRÅLEN GENOM OPTISKT INSTRUMENT.
ADVERSEL-ÖSYNLIG LASERSTRÅLNING NÄR DEKSEL ÖPNES. STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.



VAROITUS! LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VARNING - OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERAS. KAN ANVÄNDAREN UTSÄTTAS FÖR ÖSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

SAFETY PRECAUTION FOR SERVICE MANUAL (FOR CD-CH1000W)

WARNINGS

THE AEL (ACCESSIBLE EMISSION LEVEL) OF THE LASER POWER OUTPUT IS LESS THAN CLASS 1 BUT THE LASER COMPONENT IS CAPABLE OF EMITTING RADIATION EXCEEDING THE LIMIT FOR CLASS 1. THEREFORE IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS ARE OBSERVED DURING SERVICING TO PROTECT YOUR EYES AGAINST EXPOSURE TO THE LASER BEAM.

1-WHEN THE CABINET IS REMOVED, THE POWER IS TURNED ON WITHOUT A COMPACT DISC IN POSITION AND THE PICKUP IS ON THE OUTER EDGE THE LASER WILL LIGHT FOR SEVERAL SECONDS TO DETECT A DISC. DO NOT LOOK INTO THE PICKUP LENS.

2-THE LASER POWER OUTPUT OF THE PICKUP UNIT AND REPLACEMENT SERVICE PARTS ARE ALL FACTORY PRESET BEFORE SHIPMENT.

DO NOT ATTEMPT TO READJUST THE LASER PICKUP UNIT DURING REPLACEMENT OR SERVICING.

3-UNDER NO CIRCUMSTANCES STARE INTO THE PICKUP LENS AT ANY TIME.

4-CAUTION-USE OF CONTROLS OR ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

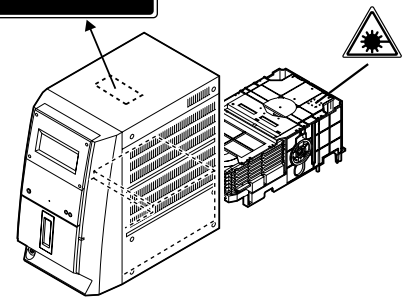
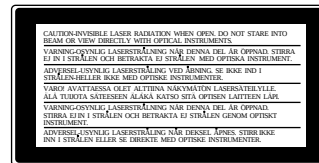
CAUTION

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

- This Audio Tower System is classified as a CLASS 1 LASER product.
- The CLASS 1 LASER PRODUCT label is located on the rear cover.
- Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

Laser Diode Properties
Material: GaAlAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW



VOLTAGE SELECTION (FOR CD-CH1000W ONLY)

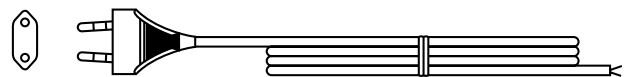
Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows.

Turn the selector with a screwdriver until the appropriate voltage number appears in the window (110V, 127V, 220V or 230-240V AC).

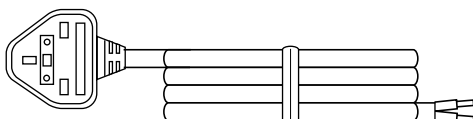
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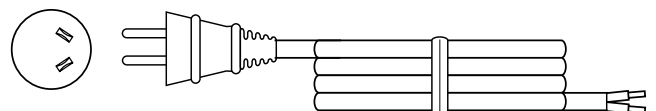
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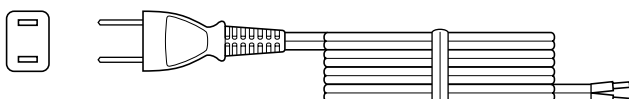
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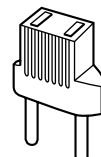
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QACCZ0007AW00



QPLGA0003AWZZ



QPLGA0004AWZZ



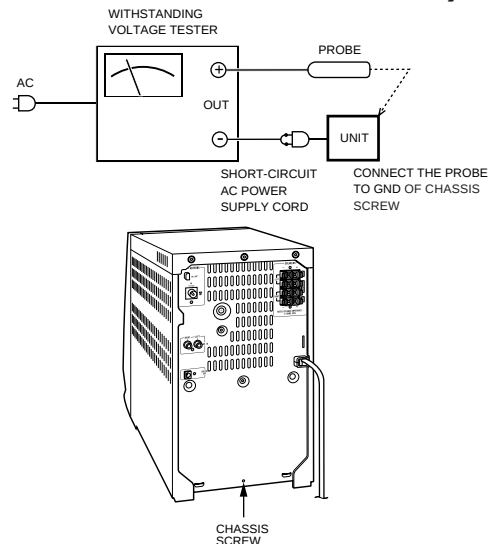
Figure 3 AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

IMPORTANT SERVICE NOTES (CD-CH1000H FOR U.K. ONLY)

Before returning the unit to the customer after completion of a repair or adjustment it is necessary for the following withstand voltage test to be applied to ensure the unit is safe for the customer to use.

Setting of Withstanding Voltage Tester and set.

Set name	set value
Withstanding Voltage Tester	
Test voltage	4,240 VPEAK 3,000 VRMS
Set time	6 secs
Set current (Cutoff current)	4 mA
Unit	
Judgment	
OK: The "GOOD" lamp lights.	
NG: The "NG" lamp lights and the buzzer sounds.	



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

SPECIFICATIONS

CD-CH1000H/CD-CH1000W

General

Power source	CD-CH1000H: AC 230 V, 50 Hz CD-CH1000W: AC 110/127/220/230-240 V, 50/60 Hz
Power consumption	175 W
Dimensions	Width: 200 mm (7-7/8") Height: 352 mm (13-7/8") Depth: 377 mm (14-7/8")
Weight	CD-CH1000H: 9.7 kg (21.4 lbs.) CD-CH1000W: 10.2 kg (22.5 lbs.)

Amplifier

Output power (CD-CH1000H (Except for U.K.))	PMPO: 668 W MPO: 334 W (167 W + 167 W) (DIN 45 324) Main speaker (woofer and tweeter): 134 W (67 W + 67 W) Subwoofer: 200 W (100 W + 100 W) RMS: 200 W (100 W + 100 W) (DIN 45 324) Main speaker (woofer and tweeter): 80 W (40 W + 40 W) Subwoofer: 120 W (60 W + 60 W) RMS: 184 W (92 W + 92 W) (DIN 45 500) Main speaker (woofer and tweeter): 74 W (37 W + 37 W) Subwoofer: 110 W (55 W + 55 W)
Output power (CD-CH1000H for U.K.)	RMS: 200 W (100 W + 100 W) (10% T.H.D.) Main speaker (woofer and tweeter): 80 W (40 W + 40 W) Subwoofer: 120 W (60 W + 60 W) RMS: 184 W (92 W + 92 W) (0.9% T.H.D.) Main speaker (woofer and tweeter): 74 W (37 W + 37 W) Subwoofer: 110 W (55 W + 55 W)
Output power (For CD-CH1000W)	MPO: 334 W (167 W + 167 W) (10% T.H.D.) Main speaker (woofer and tweeter): 134 W (67 W + 67 W) Subwoofer: 200 W (100 W + 100 W) RMS: 200 W (100 W + 100 W) (10% T.H.D.) Main speaker (woofer and tweeter): 80 W (40 W + 40 W) Subwoofer: 120 W (60 W + 60 W) RMS: 184 W (92 W + 92 W) (0.9% T.H.D.) Main speaker (woofer and tweeter): 74 W (37 W + 37 W) Subwoofer: 110 W (55 W + 55 W)
Output terminals	Speakers: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) CD digital output (optical)
Input terminals	Auxiliary: 500 mV/47 kohms

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 (CD-CH1000H (Except for U.K.))	0.35 % (DIN 45 511)
Wow and flutter (CD-CH1000H for U.K./ CD-CH1000W)	0.3 % (WRMS)

Tuner

Frequency range (For CD-CH1000H)	FM: 87.5 - 108.0 MHz AM: 522 - 1,620 kHz
Frequency range (For CD-CH1000W)	FM: 88 - 108 MHz AM: 531 - 1,620 kHz

CP-RW5000H/CP-RW5000W

Speaker

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

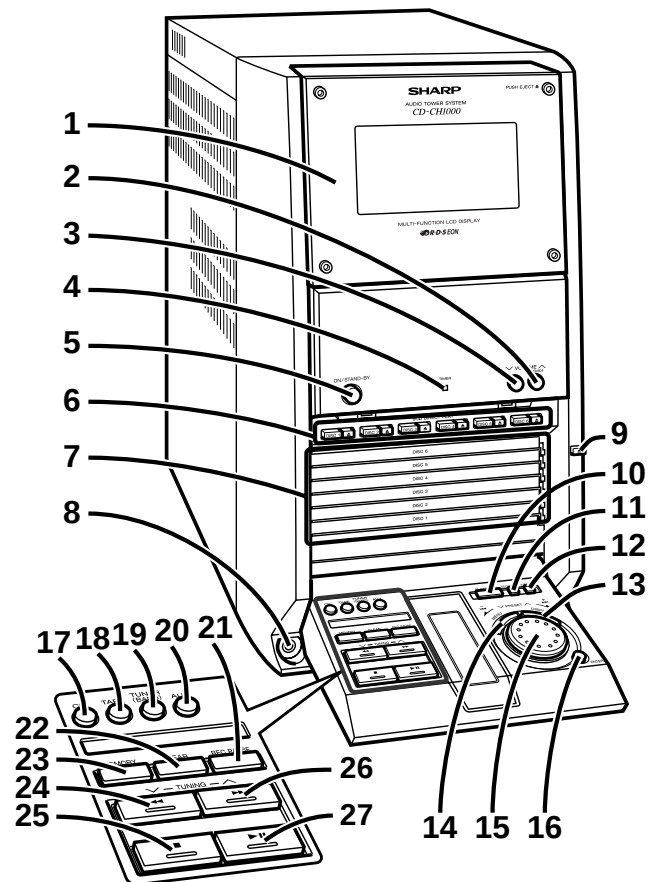
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

CD-CH1000H/CD-CH1000W

■ Front panel

1. Cassette Compartment
2. Volume Up/Demo Button
3. Volume Down Button
4. Timer Set Indicator
5. On/Stand-by Button
6. CD Direct Play Buttons (with Indicator)/CD Eject Buttons
7. Disc Trays
8. Headphone Socket
9. Control Panel Open/Close Button
10. CD Play Mode Select Button
11. Equalizer Mode Select Button
12. Extra Bass Button
13. Display Button
14. Menu Button
15. Jog Dial
16. Enter Button
17. CD Button
18. Tape Button
19. Tuner (Band) Button
20. Auxiliary Button
21. Tape Record Pause Button
22. Clear Button
23. Memory Button
24. Tuning Down/Fast Reverse Button (with Indicator)
25. Stop Button (with Indicator)
26. Tuning Up/Fast Forward Button (with Indicator)
27. CD Play or Pause/Tape Play Button (with Indicator)



■ Multi-function LCD display

1. Function Indicator
2. Extra Bass Indicator
3. Random Play Indicator
4. Memory Indicator
5. Total Indicator
6. Remain Indicator
7. Timer Play Indicator
8. Sleep Indicator
9. Timer Recording Indicator
10. All Disc Play Indicator
11. Cassette Indicator
12. Level Meter
13. CD Indicators
14. CD Repeat Indicator
15. CD Pause Indicator
16. CD Play Indicator
17. FM Stereo Indicator
18. FM Stereo Mode Indicator
19. RDS Indicator (CD-CH1000H Only)
20. Radio Text Indicator (CD-CH1000H Only)
21. Clock Time Indicator (CD-CH1000H Only)
22. Dynamic PTY Indicator (CD-CH1000H Only)
23. Traffic Programme Indicator (CD-CH1000H Only)
24. EON Indicator (CD-CH1000H Only)
25. Traffic Information Indicator (CD-CH1000H Only)
26. Programme Type Indicator (CD-CH1000H Only)
27. Traffic Announcement Indicator (CD-CH1000H Only)

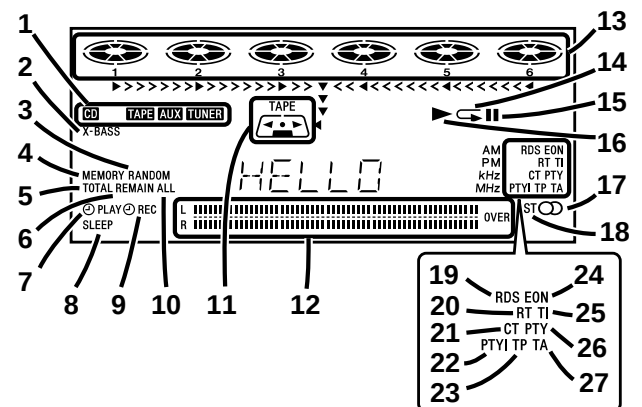


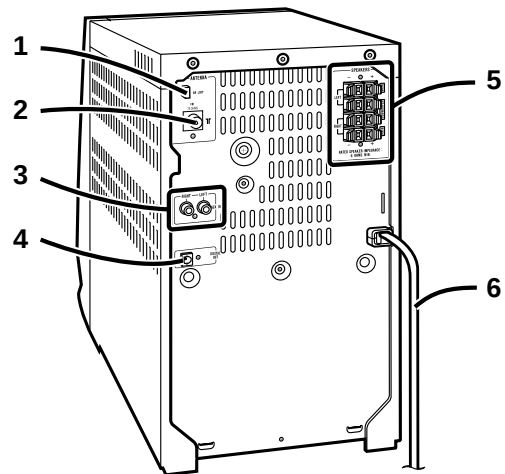
Illustration: CD-CH1000H

CD-CH1000H/CD-CH1000W

For CD-CH1000H

■ Rear panel

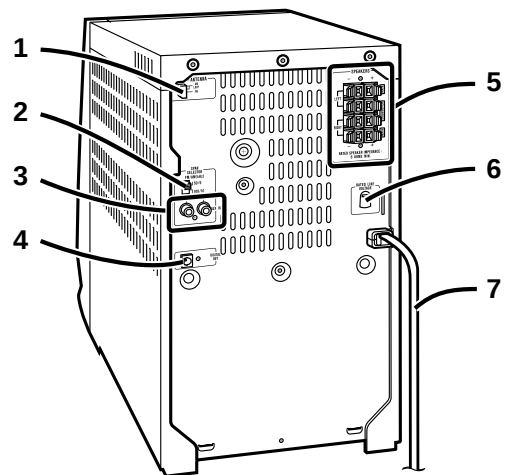
1. AM Loop Aerial Socket
2. FM Aerial Terminal
3. Auxiliary Input Sockets
4. CD Digital Output Socket
5. Speaker Terminals
6. AC Power Lead



For CD-CH1000W

■ Rear panel

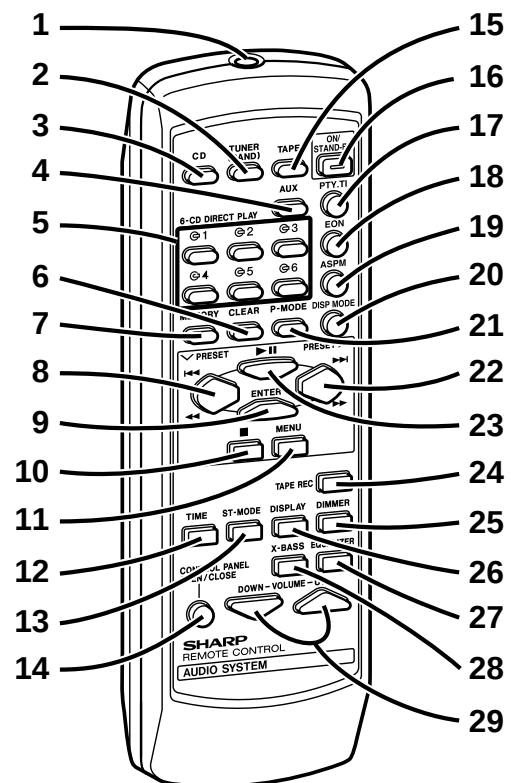
1. FM/AM Loop Aerial Socket
2. Span Selector Switch
3. Auxiliary Input Sockets
4. CD Digital Output Socket
5. Speaker Terminals
6. AC Voltage Selector
7. AC Power Lead



For CD-CH1000H

■ Remote control

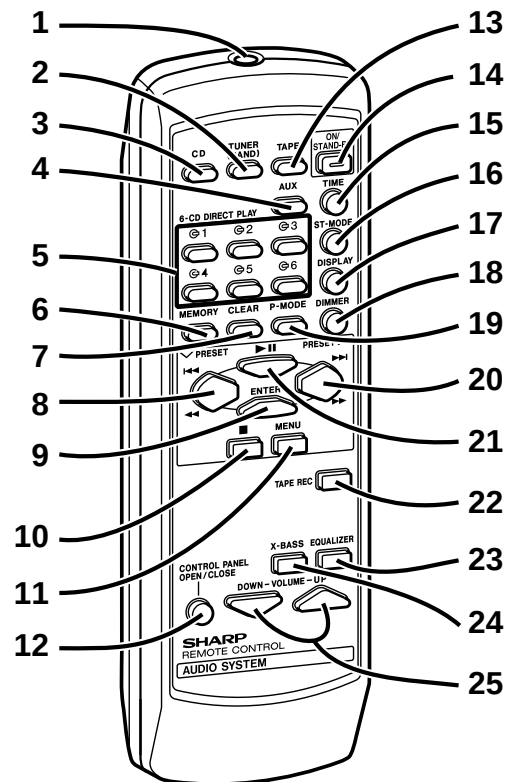
1. Remote Control Transmitter
2. Tuner (Band) Button
3. CD Button
4. Auxiliary Button
5. CD Direct Play Buttons
6. Clear Button
7. Memory Button
8. Fast Reverse/Preset Down Button
9. Enter Button
10. Stop Button
11. Menu Button
12. Time Button
13. FM Stereo Mode Button
14. Control Panel Open/Close Button
15. Tape Button
16. On/Stand-by Button
17. RDS Programme Type/Traffic Information Search Button
18. RDS EON Button
19. RDS ASPM (Auto Station Programme Memory) Button
20. RDS Display Mode Selector Button
21. CD Play Mode Select Button
22. Fast Forward/Preset Up Button
23. CD Play or Pause/Tape Play Button
24. Tape Record Pause Button
25. Dimmer Button
26. Display Button
27. Equalizer Mode Select Button
28. Extra Bass Button
29. Volume Up or Down Buttons



For CD-CH1000W

Remote control

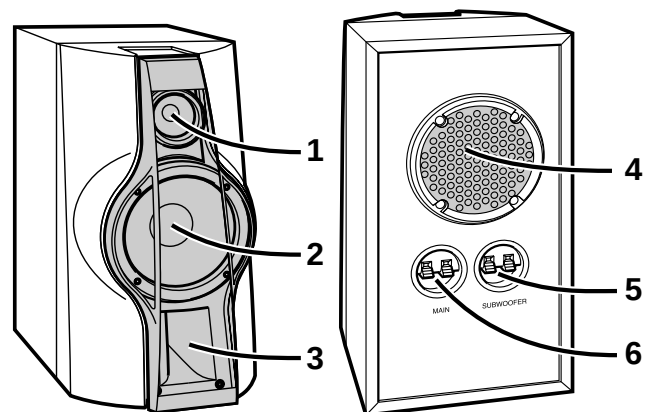
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13. Tape Button
14. On/Stand-by Button
15. Time Button
16. FM Stereo Mode Button
17. Display Button
18. Dimmer Button
19. CD Play Mode Select Button
20. Fast Forward/Preset Up Button
21. CD Play or Pause/Tape Play Button
22. Tape Record Pause Button
23. Equalizer Mode Select Button
24. Extra Bass Button
25. Volume Up or Down Buttons



CP-RW5000H/CP-RW5000W

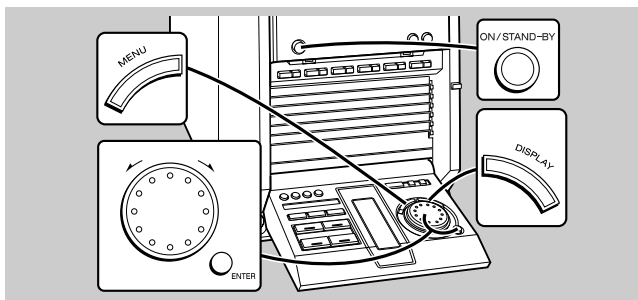
Speaker system

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



OPERATION MANUAL

Setting the Clock



In this example, the clock is set for the 24-hour (0:00) display.

- 1 Press the ON/STAND-BY 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 Turn the jog dial to select the 24-hour or 12-hour display and within 2 minutes, press the ENTER button.



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

- 5 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".

- 6 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:

Press the DISPLAY button. 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 4 (for selecting the 24-hour or 12-hour display) will be skipped.

To change the 24-hour or 12-hour display:

Clear all the programmed contents. [Refer to "If trouble occurs (reset)" for details.] Perform "Setting the Clock" from the beginning.

Troubleshooting Chart

Many potential "problems" can be resolved by the owner without calling a service technician. If something is wrong with this product, check the following before calling your authorised SHARP dealer or service centre.

General

Symptom	Possible cause
● The clock is not on time.	● Did a power failure occur? Reset the clock.
● When a button is pressed, the unit does not respond.	● Set this unit to the power stand-by mode and then turn it back on. ● If the unit still malfunctions, reset it.
● No sound is heard.	● Is the volume level set to "0"? ● Are the headphones connected? ● Are the speaker wires disconnected?

CD player

Symptom	Possible cause
● Playback does not start.	● The disc is loaded up-side down.
● Playback stops in the middle or is not performed properly.	● The disc does not satisfy the standards. ● The disc is distorted or scratched.
● Playback sounds are skipped, or stopped in the middle of a track.	● Is the unit located near excessive vibrations? ● The disc is very dirty. ● Has condensation formed inside the unit?

Cassette deck

Symptom	Possible cause
● Cannot record.	● Is the erase-protection tab removed?
● Cannot record tracks with proper sound quality.	● Is it a normal tape? (You cannot record on a metal or CrO ₂ tape.)
● Cannot erase completely.	● Is there any slack? Is the tape stretched?
● Sound skipping.	● Are the capstan, pinch roller, or heads dirty?
● Cannot hear treble.	
● Sound fluctuation.	
● Cannot remove the tape.	● If a power failure occurs during playback, the heads remain engaged with the tape. Do not open the compartment forcibly. Wait until electricity resumes.

Tuner

Symptom	Possible cause
● Radio makes unusual noise consecutively.	● The stereo system is placed near the TV or computer. ● FM/AM loop aerial is not placed properly. Move the AC power lead away from the aerial if located near.

Remote control

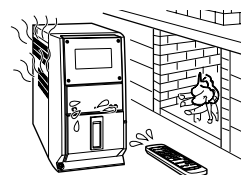
Symptom	Possible cause
● The remote control does not operate.	● Is the AC power lead of the stereo system plugged in? ● The battery polarity is not respected. ● The batteries are dead. ● Incorrect distance or angle. ● Does the remote control sensor receive strong light?

Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, tape heads, etc.) or on the transmitter light-emitting diode on the remote control.

Condensation can cause the unit to malfunction.

If this happens, leave the power on with no disc (or cassette) in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter light-emitting diode with a soft cloth before operating the unit.



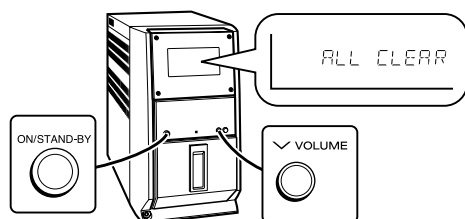
Troubleshooting Chart

■ 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 ON/STAND-BY button to enter the power stand-by mode.
2. Whilst pressing down the VOLUME ∇ button, press the ON/STAND-BY button until "ALL CLEAR" appears.

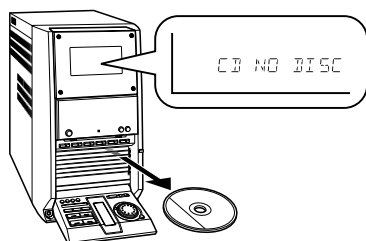


Caution:

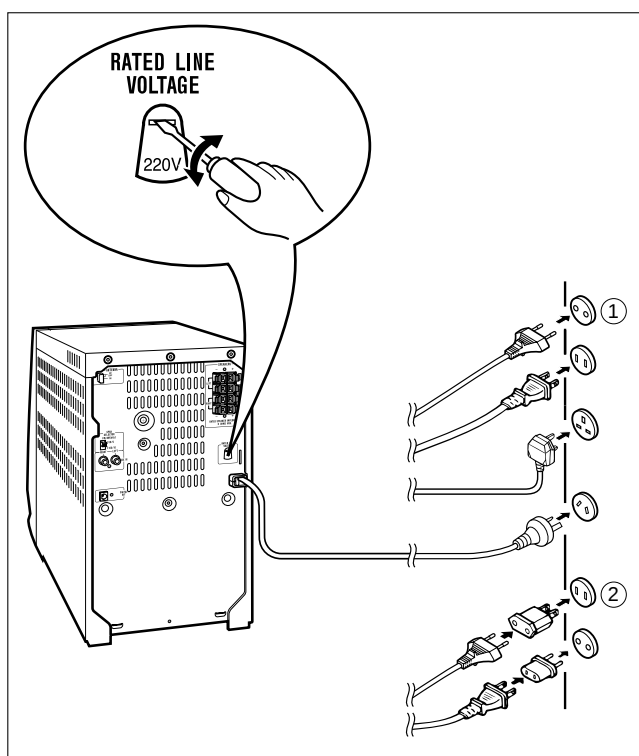
This operation will erase all data stored in memory including clock and timer settings, and tuner and CD presets.

■ Before transporting the unit

Remove all CDs from the unit. Your unit checks whether there are any discs inside the unit when the tray is closed. "CD NO DISC" appears 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.



For CD-CH1000W Only



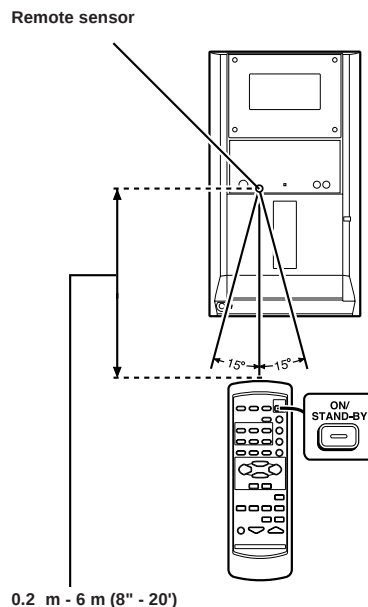
Remote Control

■ 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 ON/STAND-BY button. Does the power turn on? Now, you can enjoy the music.



Notes concerning use:

- Replace the batteries if the operating distance is reduced or if the operation becomes erratic. Purchase 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar).
- Periodically clean the transmitter on the remote control and the sensor on the stereo system with a soft cloth.
- Exposing the sensor on the stereo system to strong light may interfere with operation. Change the lighting or the direction of the stereo system.
- Keep the remote control away from moisture, heat, shock, and vibrations.

■ Connecting the AC power lead

Check the setting of the AC voltage selector located on the rear panel before plugging the unit into an AC socket. If necessary, adjust the selector to correspond to the AC power voltage used in your area.

Selector adjustment:

Turn the selector with a screwdriver until the appropriate voltage number appears in the window (110 V, 127 V, 220 V or 230 V - 240 V AC).

After making all connections, plug the unit. If you plug the unit first, the unit will enter the demonstration mode.

Notes:

- Plug the AC power lead into an AC socket, after any connections.
- Unplug the AC power lead from the AC socket if the unit will not be in use for a prolonged period of time.

AC Plug Adaptor

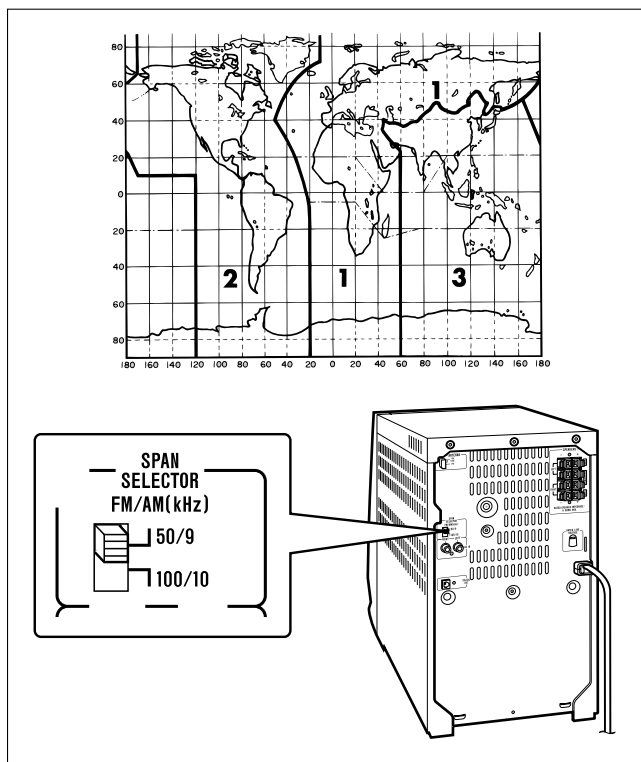
In areas (or countries) where an AC socket as shown in illustration ② is used, connect the unit using the AC plug adaptor supplied with the unit, as illustrated. The AC plug adaptor is not included in areas where the AC wall socket and AC power plug can be directly connected (see illustration ①).

Note for users in Australia and New Zealand:

An AC plug adaptor is not supplied if the lead has an Australian Standard plug.

CD-CH1000H/CD-CH1000W

For CD-CH1000W Only



■ AM/FM interval (span)

The International Telecommunication Union (ITU) has established that member countries should maintain either a 10 kHz or a 9 kHz interval between broadcasting frequencies of any AM station. The illustration shows the 9 kHz interval zones (regions 1 and 3), and the 10 kHz interval zone (region 2). Before using the unit, set the SPAN SELECTOR switch (on the rear panel) to AM tuning interval (span) of your area.

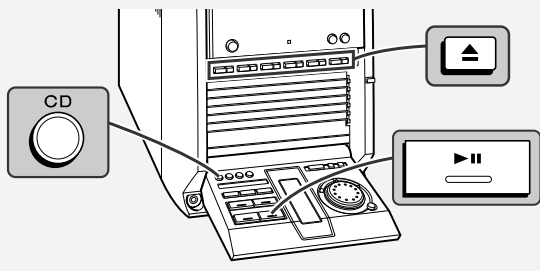
To change the tuning zone:

- 1 Press the ON/STAND-BY button to enter the stand-by mode.
- 2 Set the SPAN SELECTOR switch to "50/9" for 9 kHz AM interval (50 kHz FM interval), and "100/10" for 10 kHz AM interval (100 kHz FM interval).
- 3 Whilst pressing down the VOLUME button, press the ON/STAND-BY button until "ALL CLEAR" appears.

Caution:

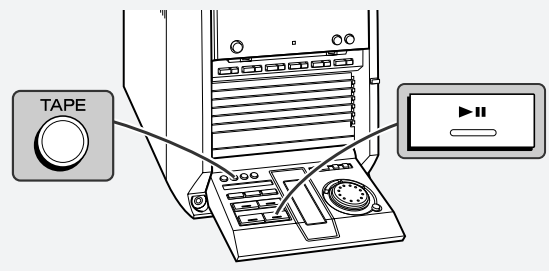
This operation will erase all data stored in memory including clock and timer settings, and tuner and CD presets.

Listening to a CD (CDs)



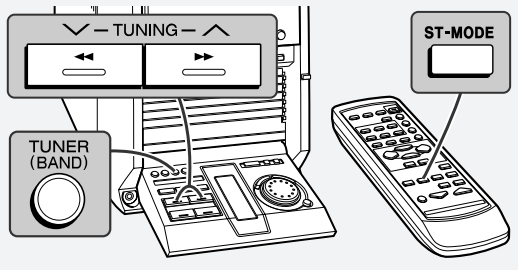
-  Press the CD button.
-  Press the DISC 1  button to open the disc tray 1.
-  Place the CD on the disc tray 1, label side up.
-  Press the DISC 1  button to close the disc tray 1.
- You can place discs on the trays 2 - 6 by following steps 2 - 4.
-  Press the  button to start playback.

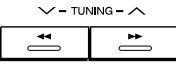
Listening to a Cassette Tape



-  Press the TAPE button.
-  Open the cassette door by pushing the area marked "PUSH EJECT ".
-  Load the cassette into the cassette compartment.
● Face the desired side toward you and load the cassette as shown.
-  Press the  button to start playback.

Listening to the Radio



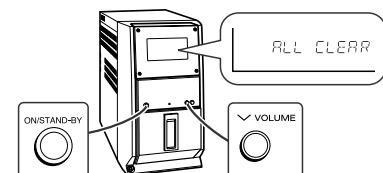
-  Press the TUNER (BAND) button to select the desired frequency band (FM or AM).
-  Press the TUNING ( or ) button to tune into the desired station.
● When the TUNING button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.
-  To receive an FM stereo transmission, press the ST-MODE button on the remote control. The "ST" indicator lights up.
● "∞" will appear when an FM broadcast is in stereo.

■ 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.

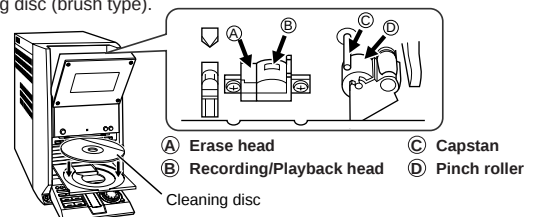
If such a problem occurs, do the following:

1. Press the ON/STAND-BY button to enter the power stand-by mode.
2. Whilst pressing down the VOLUME  button, press the ON/STAND-BY button until "ALL CLEAR" appears.



■ Maintenance

- Dirty heads, capstan or pinch roller can cause poor sound and tape jams. Clean these parts with a cotton swab moistened with commercial head/pinch roller cleaner or isopropyl alcohol.
- When cleaning the heads, pinch roller, etc., unplug the unit which contains high voltages.
- After long use, the deck's heads and capstan may become magnetised, causing poor sound. Demagnetise these parts once every 30 hours of playing/recording time by using a commercial tape head demagnetiser. Read the demagnetiser's instructions carefully before use.
- Clean the dust or stain on the CD pickup lens using a commercial cleaning disc (brush type).



DISASSEMBLY

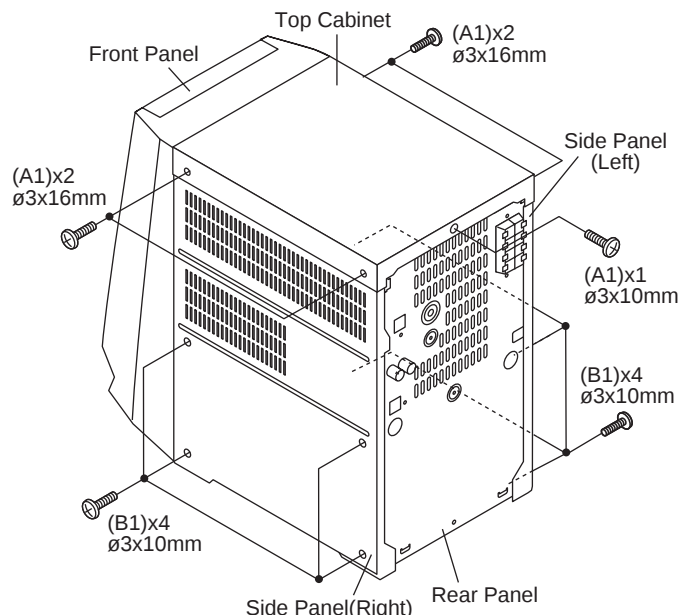
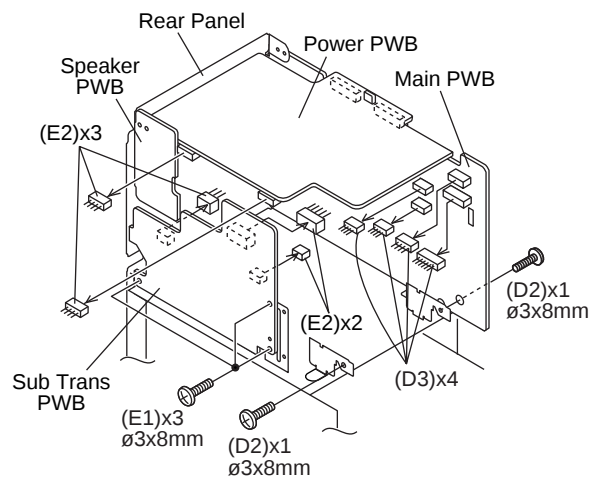
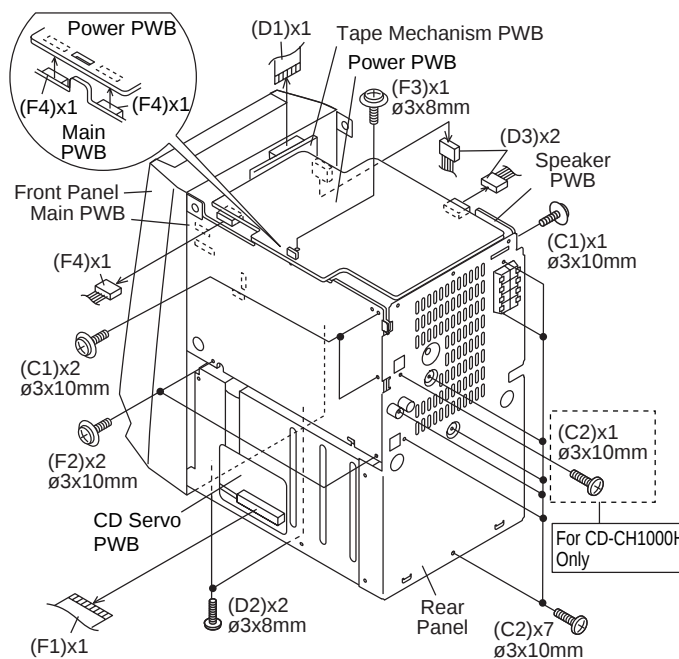
Caution on Disassembly

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-CH1000H/CD-CH1000W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x5	12-1
2	Side Panel (Left/Right)	1. Screw (B1) x8	12-1
3	Rear Panel	1. Screw (C1) x3 2. Screw (C2) x8 (For CD-CH1000H) 2. Screw (C2) x7 (For CD-CH1000W)	12-2
4	Front Panel	1. Flat Cable (D1) x1 2. Screw (D2) x4 3. Socket (D3) x6	12-2
5	Sub Trans PWB	1. Screw (E1) x3 2. Socket (E2) x5	12-2
6	Main PWB	1. Flat Cable (F1) x1 2. Screw (F2) x2 3. Screw (F3) x1 4. Socket (F4) x3	12-2
7	Power PWB/ Speaker PWB	1. Socket (G1) x1 2. Screw (G2) x2	13-1
8	Tape Mechanism	1. Open the cassette holder. 2. Screw (H1) x4	13-2
9	CD Switch PWB	1. Socket (J1) x1 2. Screw (J2) x6 3. Hook (J3) x2	13-2
10	Switch PWB	1. Screw (K1) x1 2. Hook (K2) x1	13-2
11	Headphones PWB	1. Screw (L1) x1 2. Bracket (L2) x1	13-2
12	CD Changer Door Panel/Control Panel	1. Screw (M1) x3 2. Screw (M2) x2	13-2
13	Motor PWB	1. Solder (P1) x2	13-2
14	CD Changer Door Panel	1. Screw (Q1) x4	13-3
15	Control Panel	1. Screw (R1) x6	13-3
16	Control PWB	1. Screw (S1) x5 2. Socket (S2) x1	13-4
17	Jog PWB	1. Knob (T1) x1 2. Screw (T2) x5	13-4
18	LED B PWB	1. Screw (U1) x3	13-4
19	Cassette Holder Cover	1. Open the cassette holder cover. 2. Screw (V1) x4 3. Display Panel (V2) x1 4. Hook (V3) x4	13-5
20	Display PWB/ LED A PWB	1. Screw (W1) x4 2. Hook (W2) x2	13-6

CD-CH1000H/CD-CH1000W**Figure 12-1****Figure 12-2**

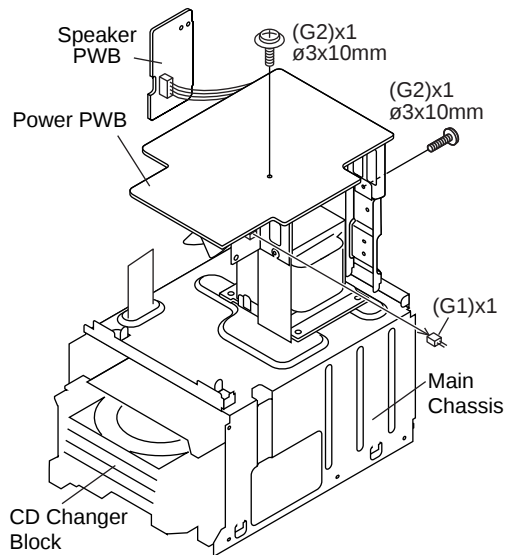


Figure 13-1

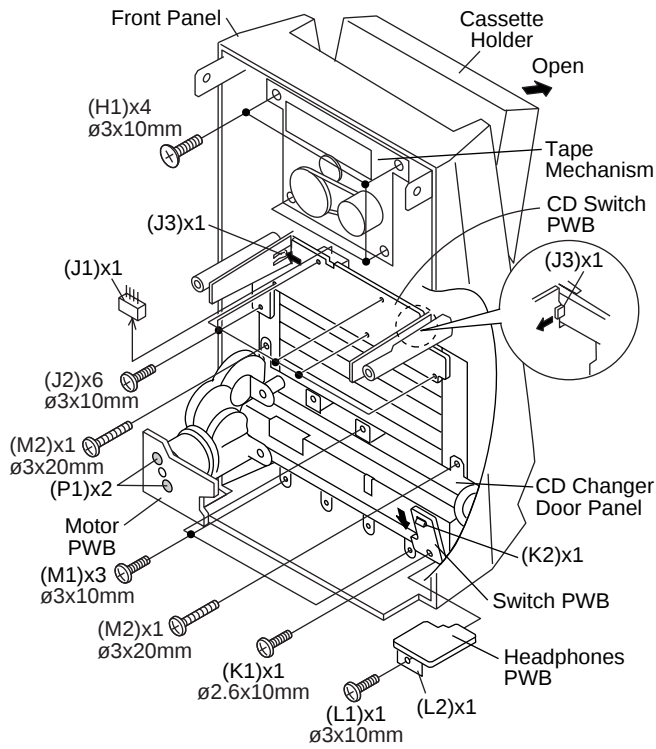


Figure 13-2

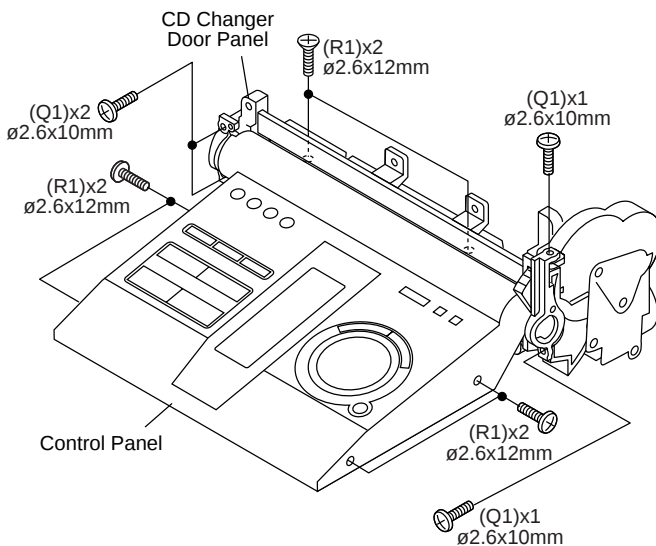


Figure 13-3

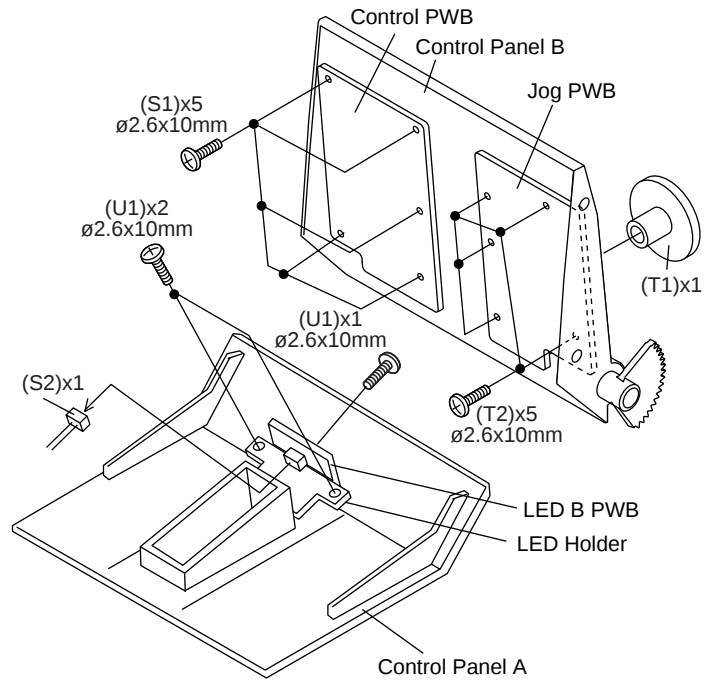


Figure 13-4

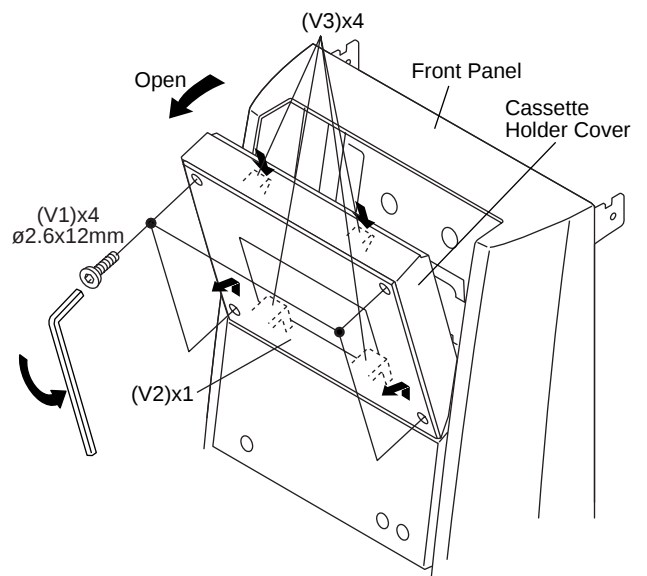


Figure 13-5

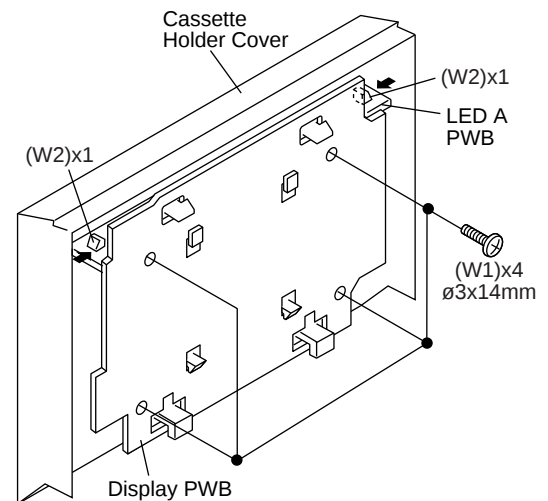


Figure 13-6

CD-CH1000H/CD-CH1000W

CD-CH1000H/CD-CH1000W (CD CHANGER MECHANISM UNIT)

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x5	12-1
2	Side Panel (Left/Right)	1. Screw (B1) x8	12-1
3	Rear Panel	1. Screw (C1) x3 2. Screw (C2) x8 (For CD-CH1000H) 2. Screw (C2) x7 (For CD-CH1000W)	12-2
4	Front Panel	1. Flat Cable (D1) x1 2. Screw (D2) x4 3. Socket (D3) x6	12-2
5	CD Changer Mechanism	1. Flat Cable (X1) x1 2. Screw (X2) x2 3. Screw (X3) x5	14-1
6	CD Servo PWB (Note)	1. Screw (Y1) x4 2. Socket (Y2) x4 3. Flat Wire (Y3) x2	14-2
7	CD Mechanism	1. Screw (Z1) x4	14-2

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.

Note:

Slide it in the direction of the arrow after removing the screw (Y2) x 1.

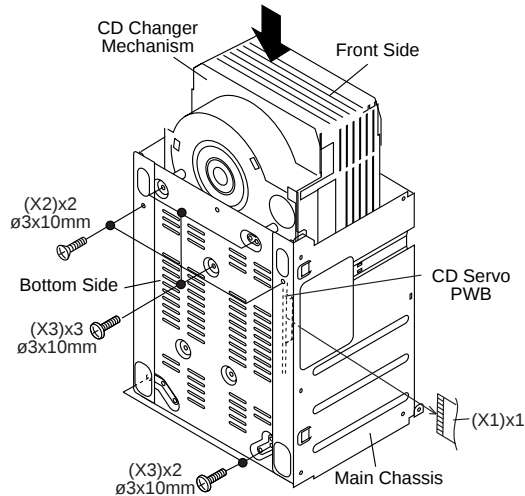


Figure 14-1

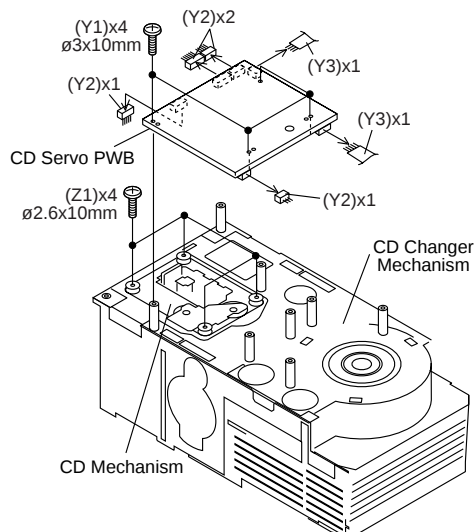


Figure 14-2

CP-RW5000H/CP-RW5000W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Woofer/Tweeter/ Sub Woofer	1. Net (A1) x1 2. Front Panel..... (A2) x1 3. Screw (A3) x4 4. Ring (A4) x1 5. Catching Holder ... (A5) x2 6. Screw (A6) x2 7. Cover (A7) x1 8. Screw (A8) x2 9. Screw (A9) x4 10. Cover (A10) x1	14-3 14-4 14-5

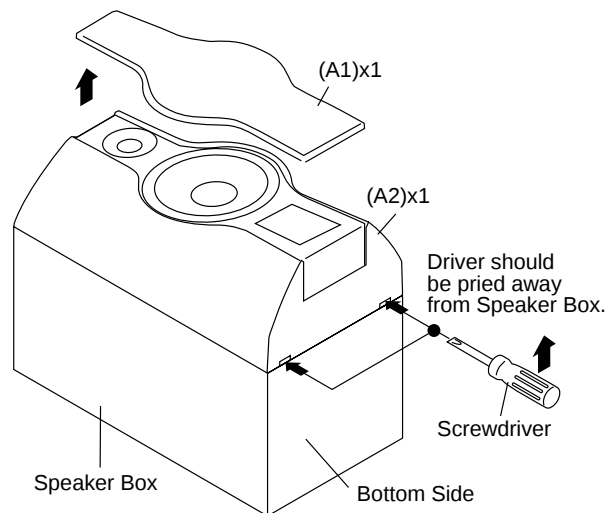


Figure 14-3

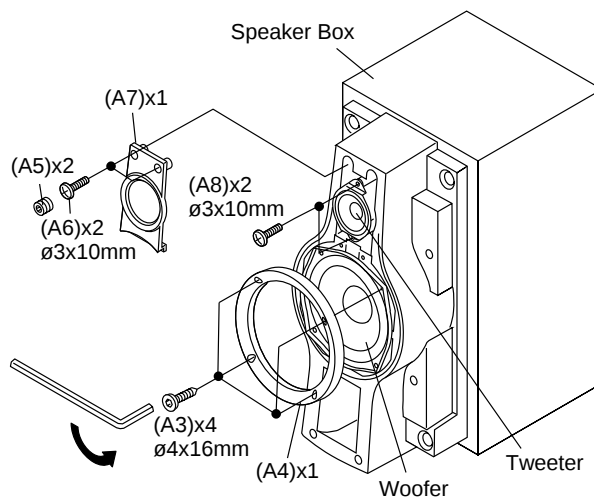


Figure 14-4

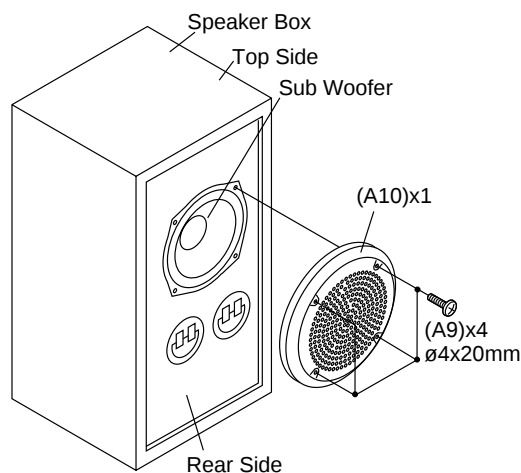


Figure 14-5

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. 15-1)

1. Carefully remove the record/playback head and erase head screws (A1) x 2 pcs.

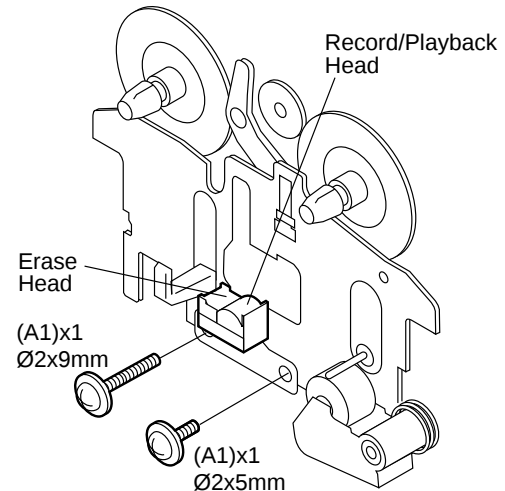


Figure 15-1

How to remove the pinch roller (See Fig. 15-2)

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 .

Note:

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

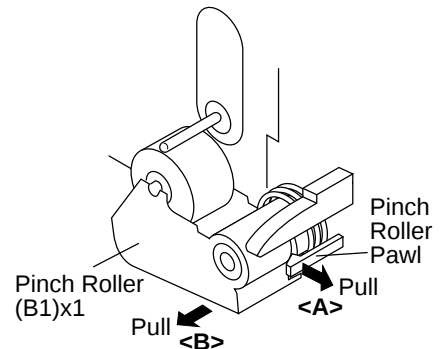


Figure 15-2

How to remove the belt (See Fig. 15-3)

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.

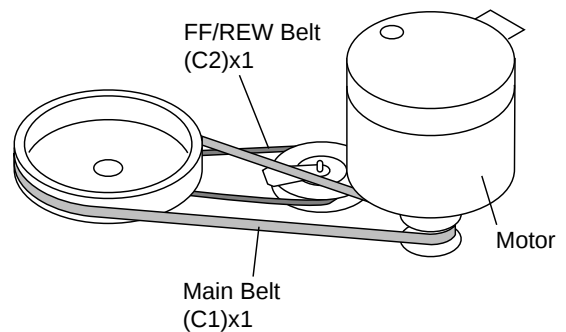


Figure 15-3

How to remove the motor (See Fig. 15-4)

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

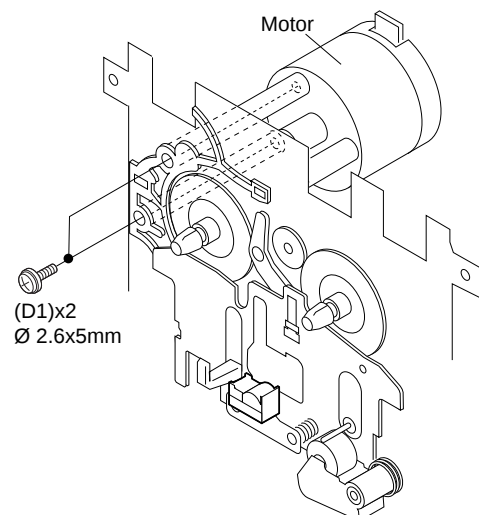


Figure 15-4

CD-CH1000H/CD-CH1000W

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. 16-1)

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.

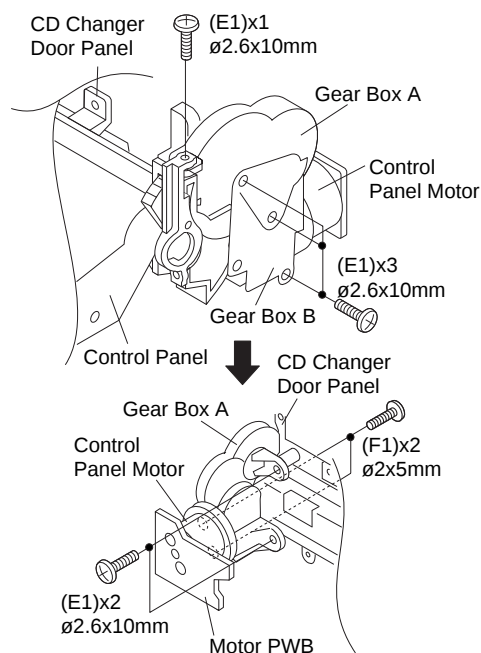


Figure 16-1

CD MECHANISM SECTION

Perform steps 1 to 7 of the disassembly method to remove the CD mechanism. (See page 14.)

How to Remove the pickup (See Fig. 16-2.)

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.

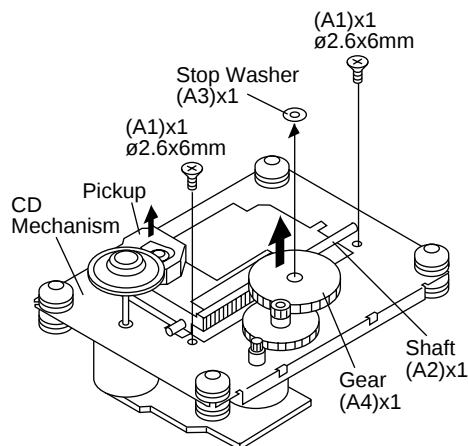


Figure 16-2

CD CHANGER MECHANISM SECTION

Perform steps 1 to 5 of the disassembly method to remove the CD changer mechanism. (See page 14.)

How to Remove the tray motor/main cam motor (See Fig. 16-3.)

1. Remove the screws (B1) x 4 pcs., to remove the CD Servo 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.

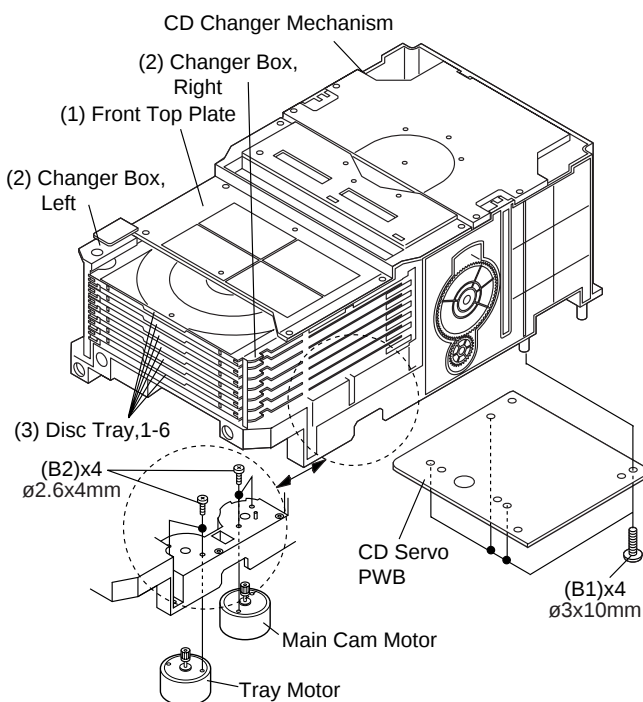


Figure 16-3

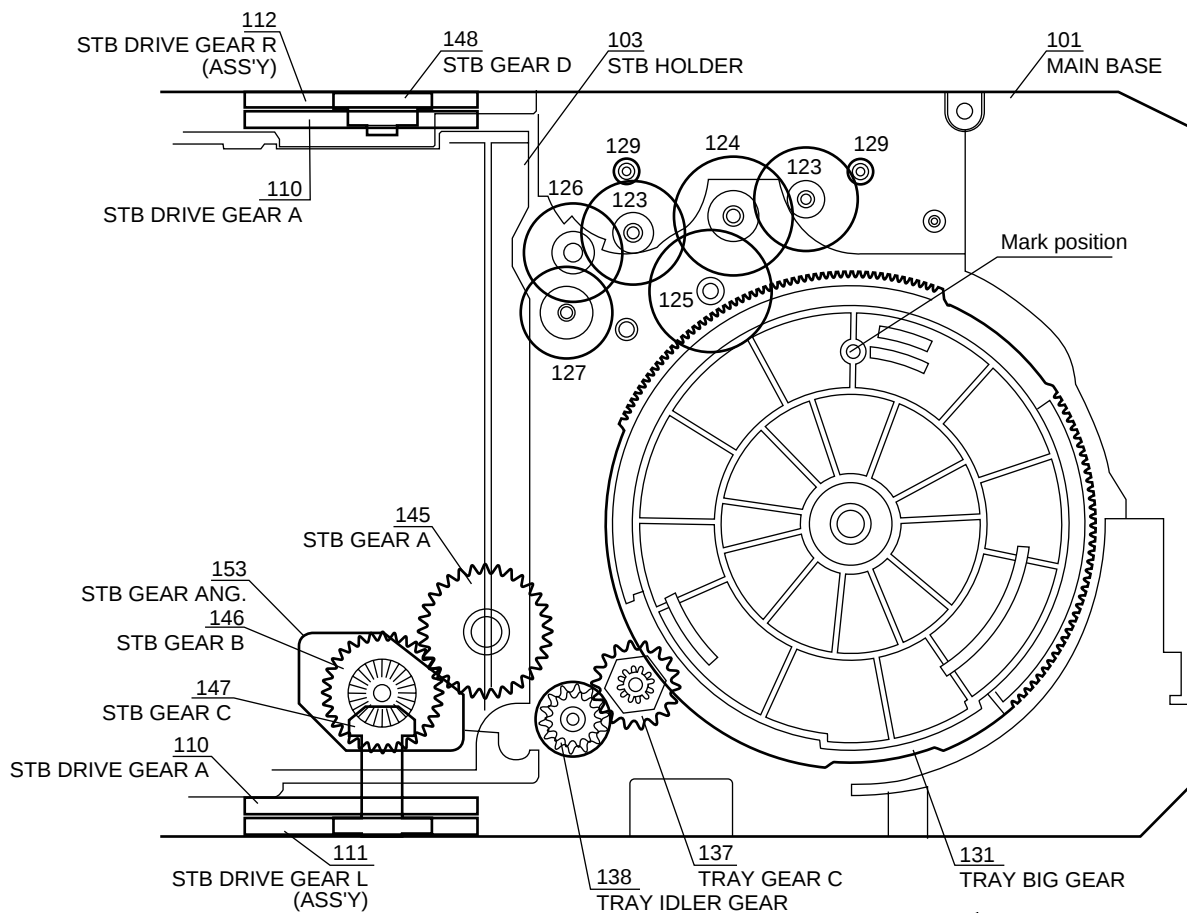
CD CHANGER MECHANISM MAIN BASE PARTS ASSEMBLING/ADJUSTING PROCEDURE

Work content	Applied part No.	Assembly fig. No.	Remarks
1. Motor assembly (x 2) mounting (screw x 4)	101/129	Fig. 18	
2. MT idle gear mounting (screw x 1)	125	Fig. 18	
3. MT system gear assembly	123/124/126/127	Fig. 18	
4. STB/tray drive system gear and others assembling/ mounting (screw x 3)	137/138/145/146 (153)/147/148	Fig. 18	
5. Tray big gear assembly	131	Fig. 18	Gear positioning
6. T.M SW PWB mounting (screw x 3)		Fig. 19	
7. STB holder assembling	103	Fig. 18	
8. STB drive gear L/R assembly mounting (screw x 2)	111 (110)/112 (110)	Fig. 18	
9. Tray joint gear R/tray drive gear R assembling	134/136	Fig. 19	Gear positioning
10. Tray gear A/B assembling	132/133	Fig. 19	Gear positioning
11. Lift gear B/C assembling	143/144	Fig. 20	Gear positioning
12. MT idler gear F assembling, mode big gear mounting (screw x 1)	128/142	Fig. 20	
13. Change box R mounting (screw x 4)	104	Fig. 20	
14. Lift gear A assembling	142	Fig. 20	Gear positioning
15. Change box L assembly mounting (screw x 4)	102/130/135	Fig. 21	
16. Lift cam assembling (shaft inserting)	144	Fig. 21	Gear positioning
17. STB holder height adjusting		Fig. 22	Check/adjustment
18. Top plate F/disc OB LEV. mounting (screw x 6)	180	Fig. 22	
19. Trays 1 - 6 assembling	191/192/193/194/195/196	Fig. 23	
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



After assembling TRAY BIG GEAR, turn it in the arrow direction.

TRAY BIG GEAR ASSEMBLING POSITION

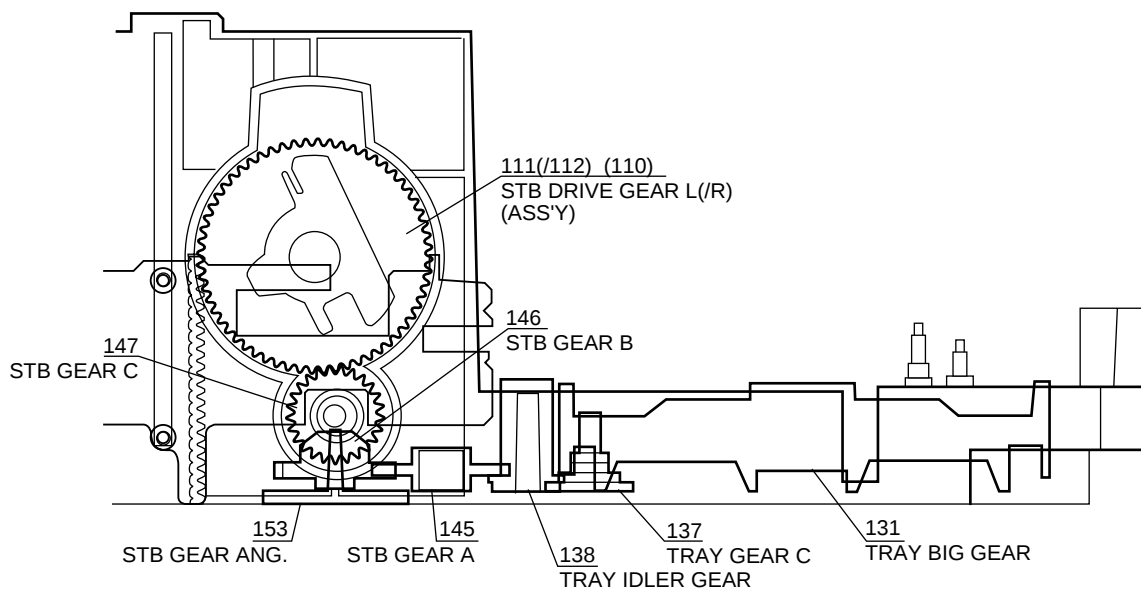


Figure 18

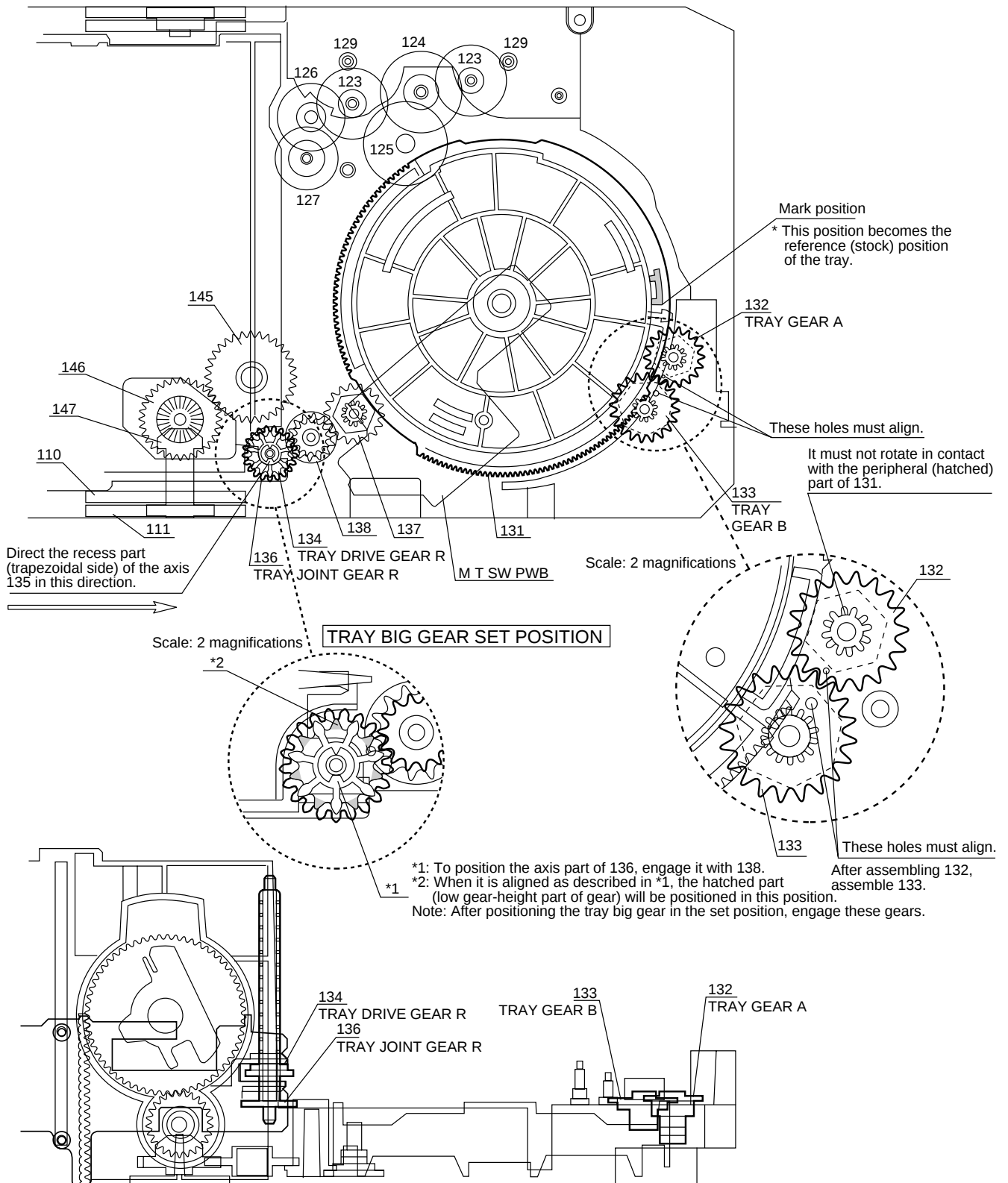


Figure 19

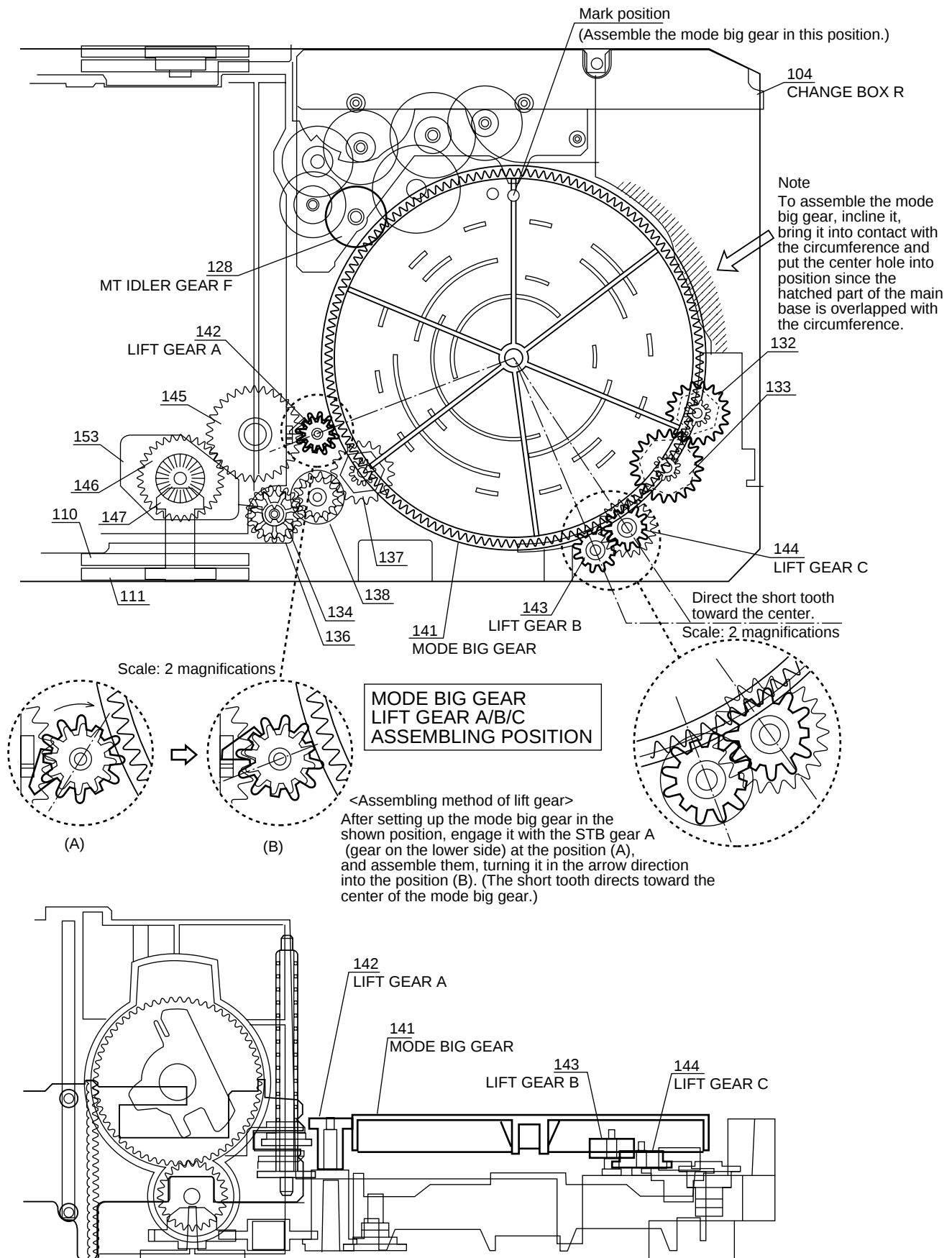


Figure 20

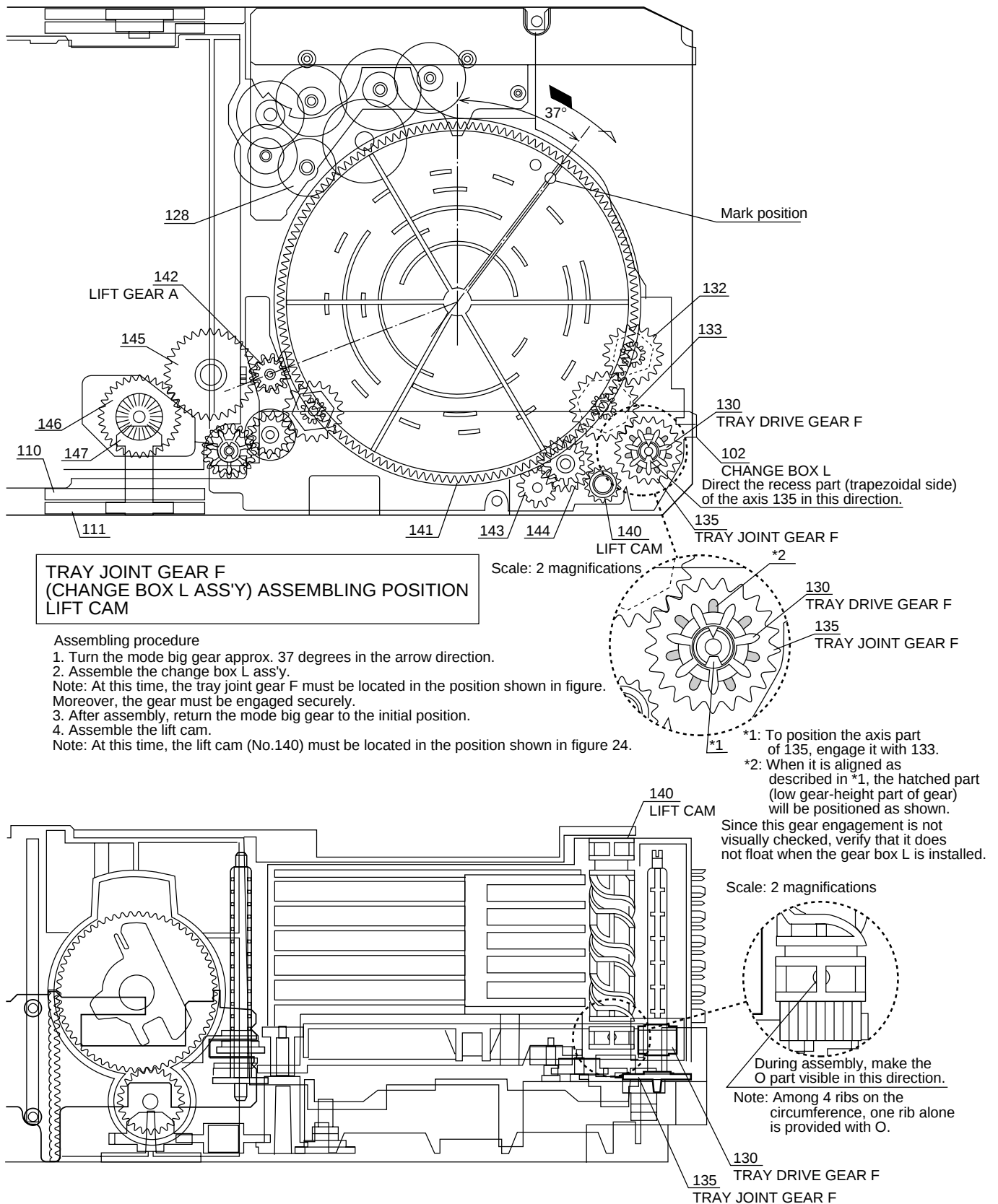


Figure 21

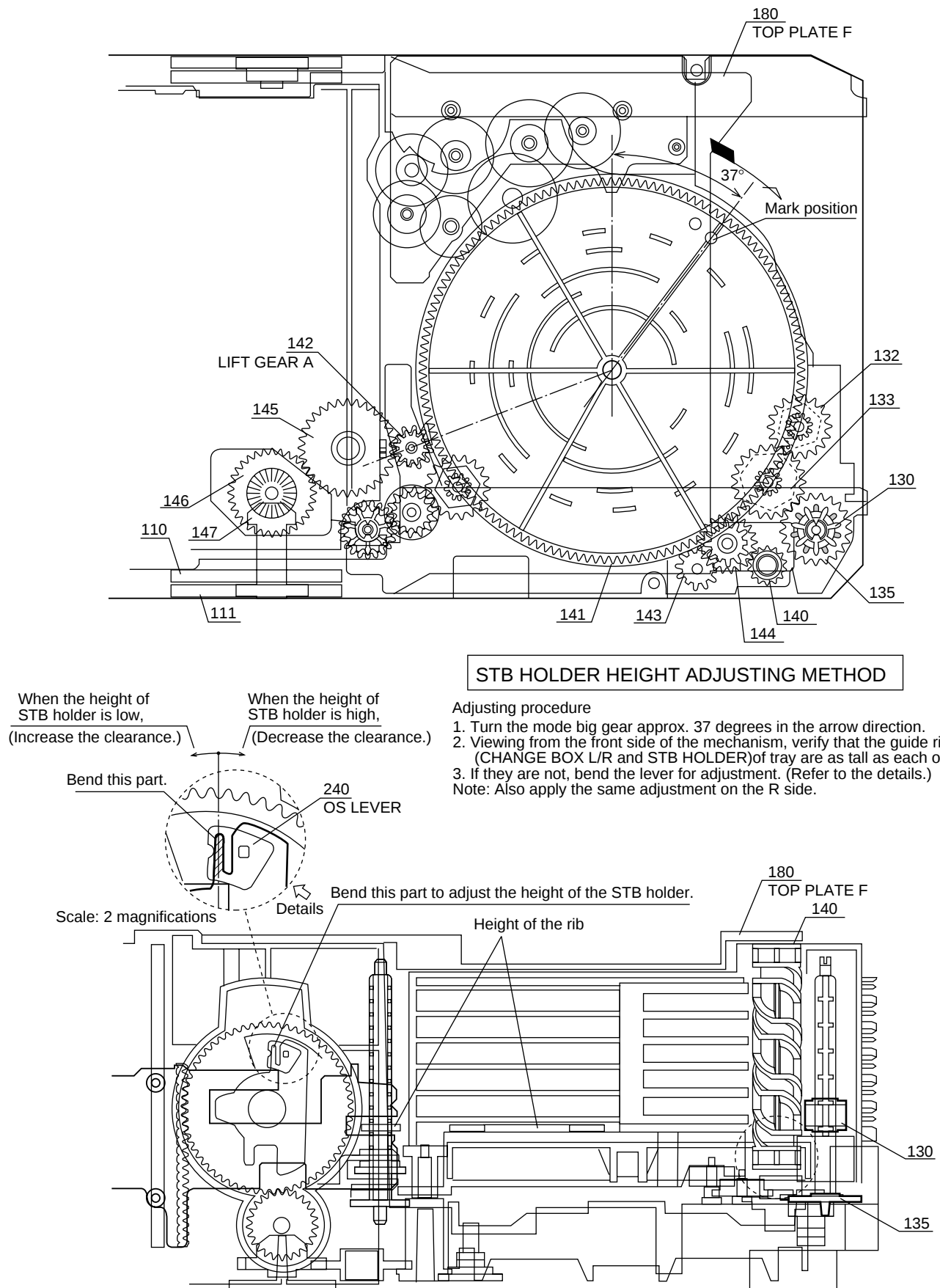


Figure 22

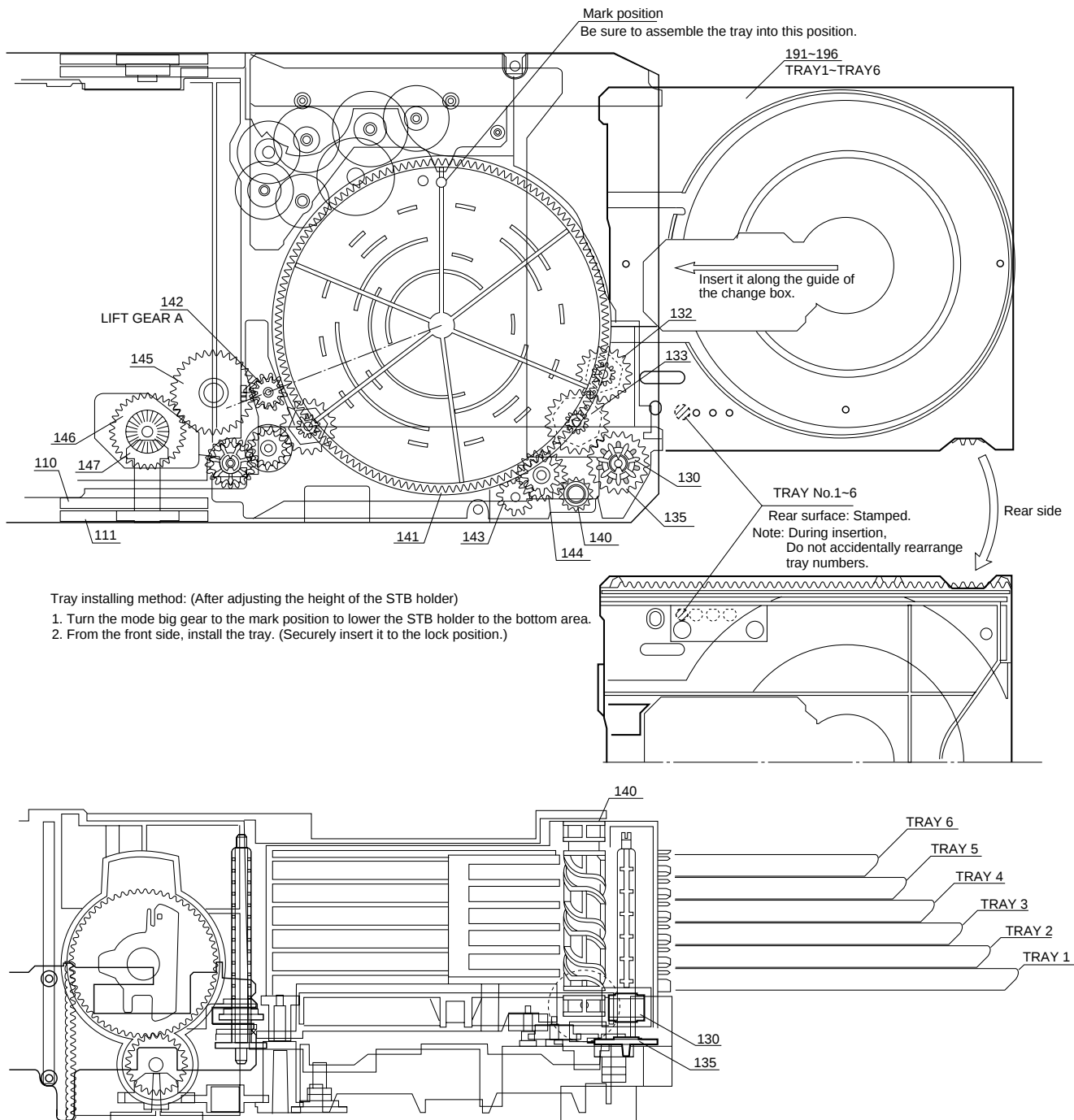


Figure 23

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

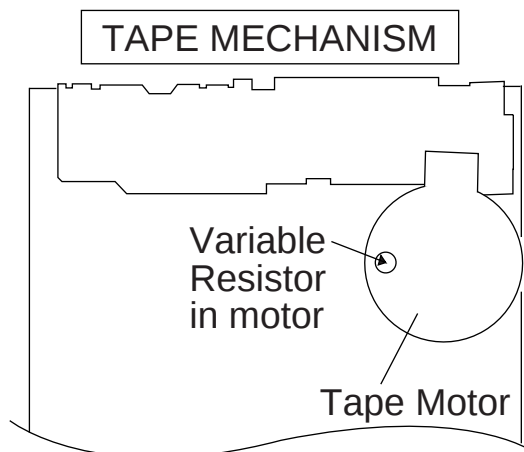


Figure 24 ADJUSTMENT POINT

TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

For CD-CH1000H

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,620 kHz	T351	*1
AM Band Coverage	—	522 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

Notes:

1: Description of the "FM IF Adjustment" is not carried on this Manual. It is because the IF coil in the FM front end section has been best adjusted in the factory so that its further adjustment is not needed at the field. When replacing the FM front end assembly, no adjustment is needed either.

2: The parts in the FM front end section are prepared in a complete unit, so you can't obtain each part individually.

• FM Mute Level (FM ST MODE)

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

Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz	98.00 MHz (26 dBμV)	VR351 *1	Input: CNP303 Output: Speaker Terminal

*1. Adjust so that an output signal appears.

For CD-CH1000W

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	—	522 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 ± 50 mV	*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

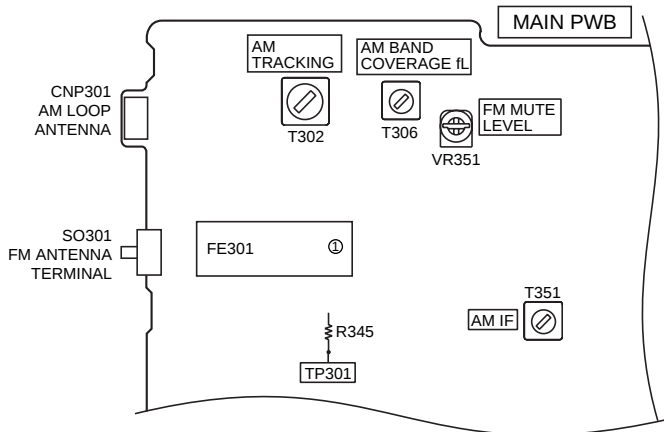
• FM Mute Level (FM ST MODE)

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

Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz	98.00 MHz (26 dBμV)	VR351 *1	Input: CNP303 Output: Speaker Terminal

*1. Adjust so that an output signal appears.

For CD-CH1000H



For CD-CH1000W

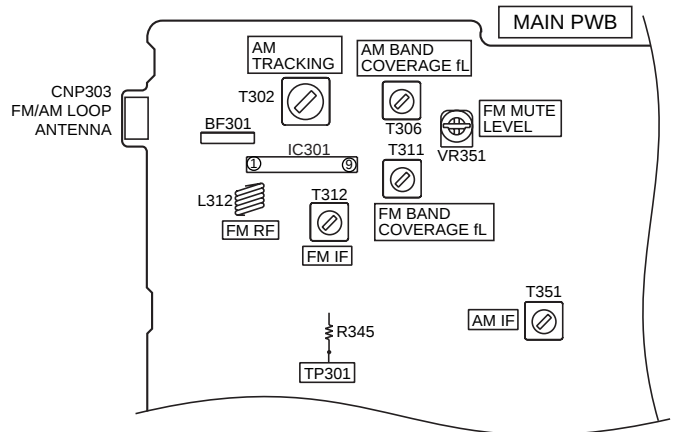


Figure 25 ADJUSTMENT POINTS

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	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	Description
1	Shipping status setting	Sets up the unit for shipping.
2	Soft set setting	Initializes the unit.
3	CD test	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.

Shipping status setting test mode

Purpose: To set up the unit for shipping.

Function: To check the unit for a CD disc, and initialize all functions.

Operation: While checking for a CD disc, the test name (INITIAL) is displayed.

The initial operation for a CD disc is performed. In this operation, the unit is checked for a CD disc.

If a CD disc is found in the unit during the initial operation, "CD* OPEN" is displayed, the tray is opened (only for the disc found first), and the unit is turned on via the CD function normally.

If no CD disc is found, the CD mechanism is placed in the chucking status.

After the unit is checked for discs, 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.

CD-CH1000H/CD-CH1000W

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	Auxiliary display		
Test mode name			I	N	I	T	I	A	L							
CD disc inserted	Operation		C	D	*		O	P	E	N						
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	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 61.)

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 stand-by 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.

CD-CH1000H/CD-CH1000W

Table 24. TEST-TuSet preset frequencies

CH	BAND	CD-CH1000H	CD-CH1000W
1 %	FM	FM 87.5 MHz	FM 87.5 MHz
2		FM 108.0 MHz	FM 108.0 MHz
3		FM 90.0 MHz	FM 90.0 MHz
4		FM 106.0 MHz	FM 106.0 MHz
5		FM 98.0 MHz	FM 98.0 MHz
6 %	AM	AM 522 kHz	AM 531 kHz
7		AM 1620 kHz	AM 1602 kHz
8		AM 603 kHz	AM 603 kHz
9		AM 1404 kHz	AM 1404 kHz
10		AM 990 kHz	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.

Extension cable

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

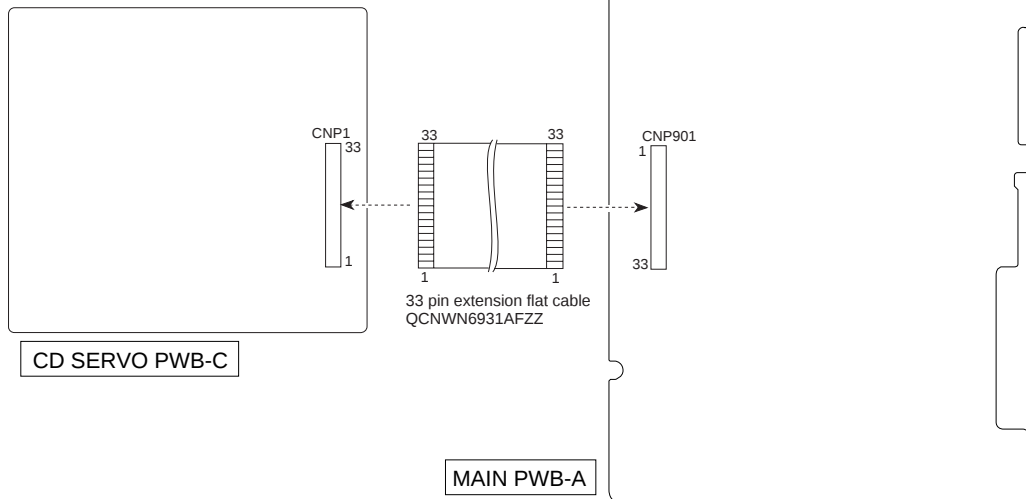


Figure 28

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 EON reception impossible	WEAK SIG	When switching to an EON station, 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

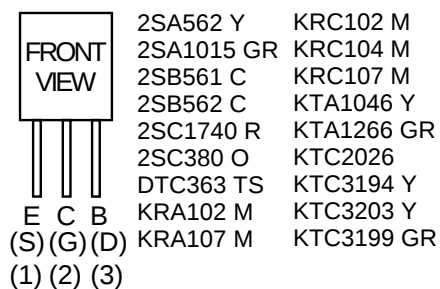
NOTES ON SCHEMATIC DIAGRAM

- **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.

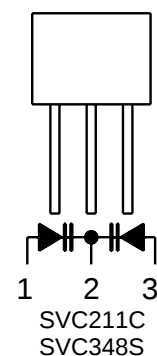
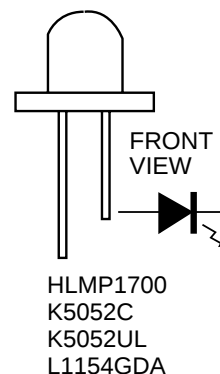
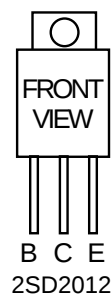
REF. NO	DESCRIPTION	POSITION
NSW1	PICKUP IN	ON—OFF
SW701	POWER	ON—OFF
SW705	OPEN/CLOSE	ON—OFF
SW710	PANEL OPEN/CLOSE	ON—OFF
SW711	VOLUME DOWN	ON—OFF
SW712	VOLUME UP	ON—OFF
SW720	CD 1 EJECT	ON—OFF
SW721	CD 2 EJECT	ON—OFF
SW722	CD 3 EJECT	ON—OFF
SW723	CD 4 EJECT	ON—OFF
SW724	CD 5 EJECT	ON—OFF
SW725	CD 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	RECORD PAUSE	ON—OFF
SW751	CLEAR	ON—OFF
SW752	MEMORY	ON—OFF
SW753	FAST REVERSE	ON—OFF
SW755	FAST FORWARD	ON—OFF
SW756	PLAY/PAUSE	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW758	STOP	ON—OFF
SW761	AUX	ON—OFF
SW762	TUNER	ON—OFF
SW763	TAPE	ON—OFF
SW764	CD	ON—OFF
SW772	EQUALIZER MODE	ON—OFF
SW773	X-BASS	ON—OFF
SW778	ENTER	ON—OFF
SW783	PLAY MODE	ON—OFF
SW784	DISPLAY	ON—OFF
SW786	MENU	ON—OFF
SW901	SPAN SELECTOR (FOR CD-CH1000W ONLY)	9 kHz/50 kHz— 10 kHz/100 kHz
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



2SA562 Y KRC102 M
2SA1015 GR KRC104 M
2SB561 C KRC107 M
2SB562 C KTA1046 Y
2SC1740 R KTA1266 GR
2SC380 O KTC2026
DTC363 TS KTC3194 Y
KRA102 M KTC3203 Y
KRA107 M KTC3199 GR



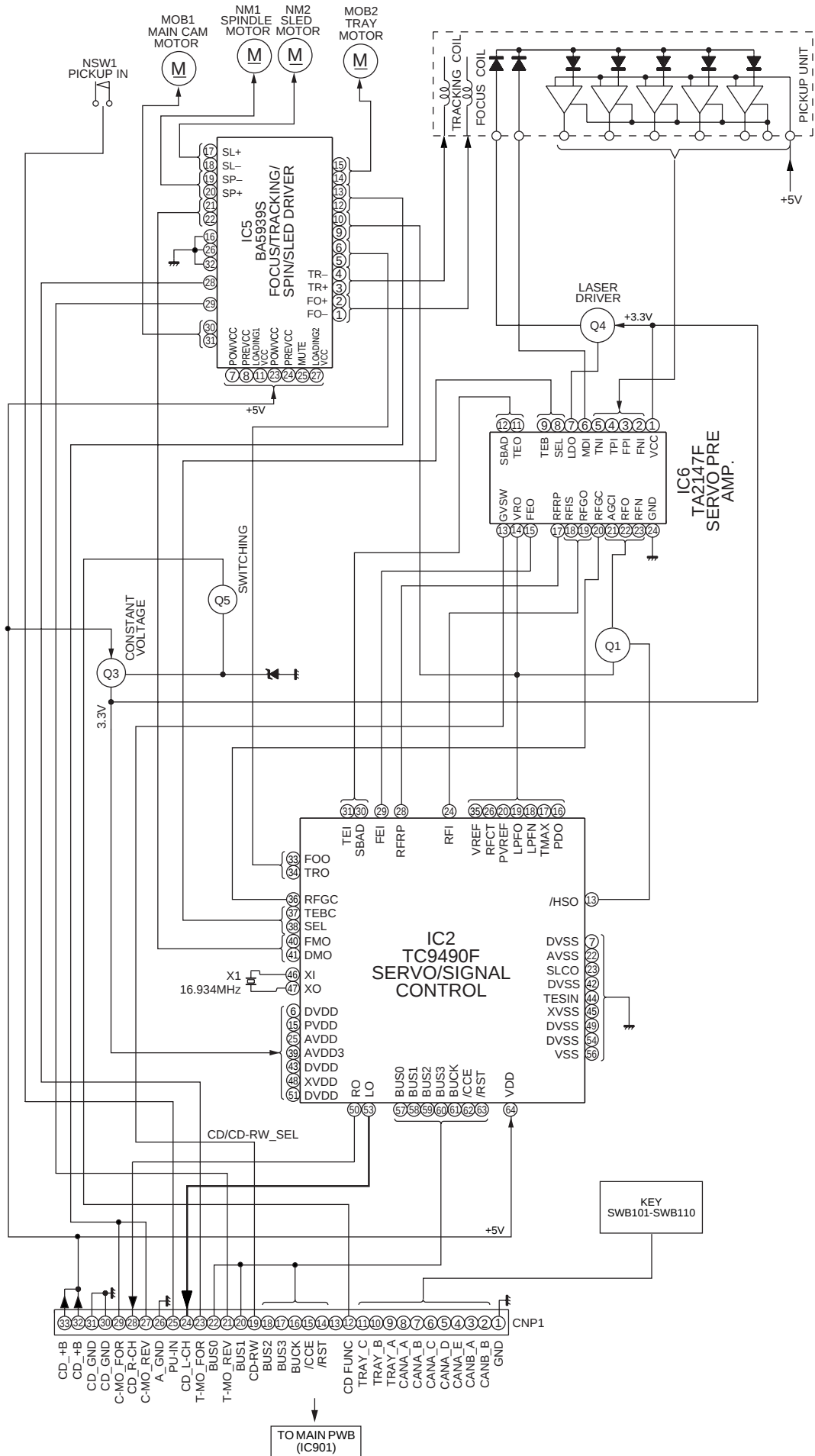


Figure 30 BLOCK DIAGRAM (1/6)

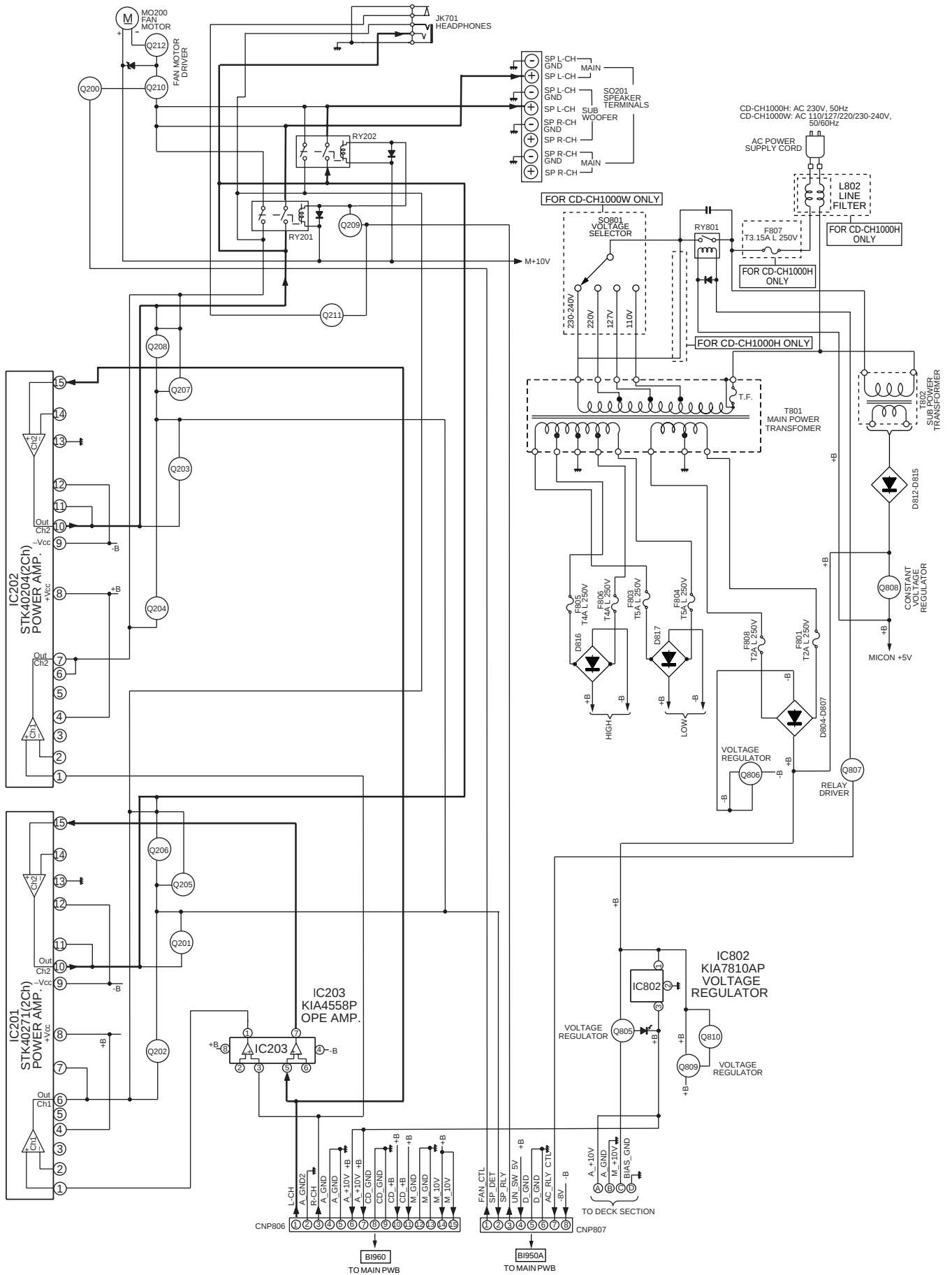


Figure 31 BLOCK DIAGRAM (2/6)

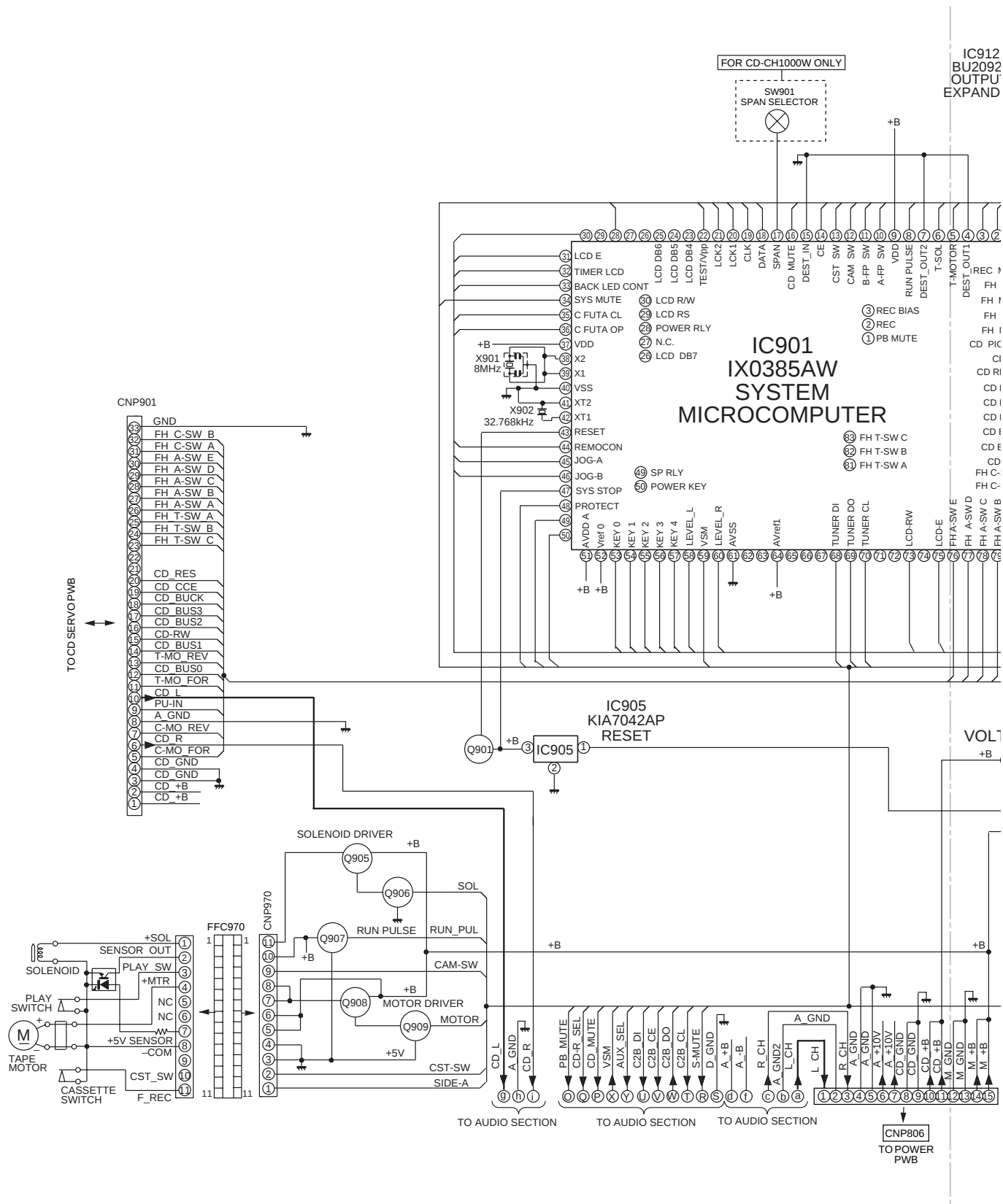


Figure 32 BLOCK DIAGRAM (3/6)

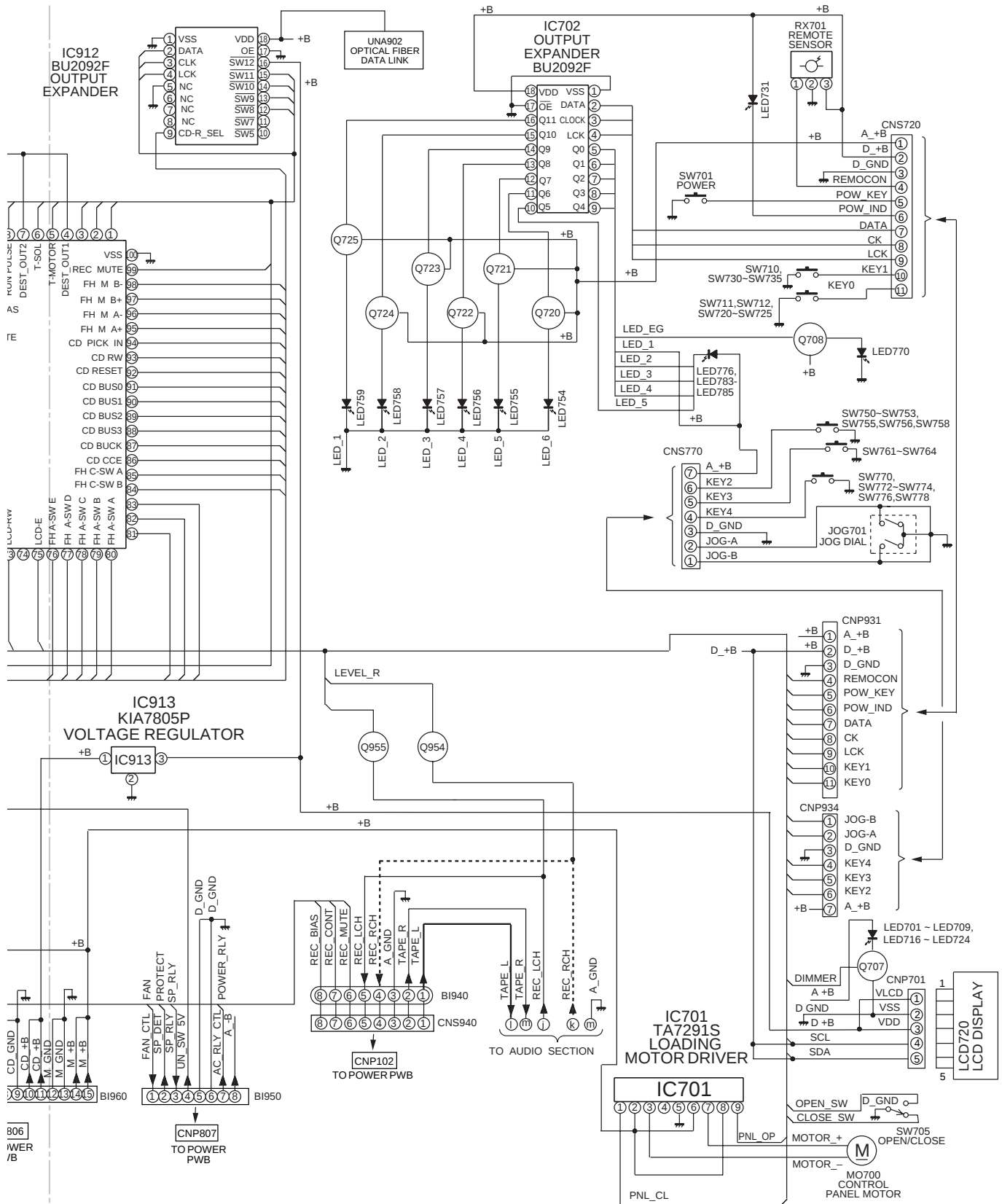


Figure 33 BLOCK DIAGRAM (4/6)

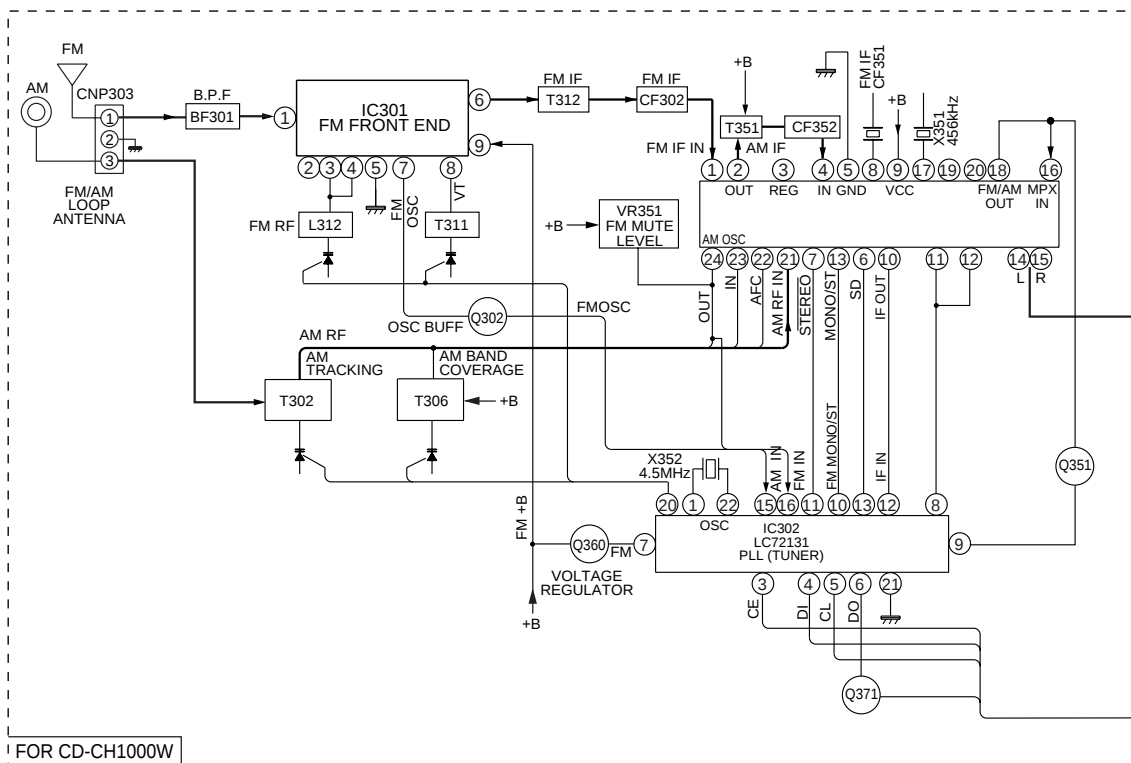
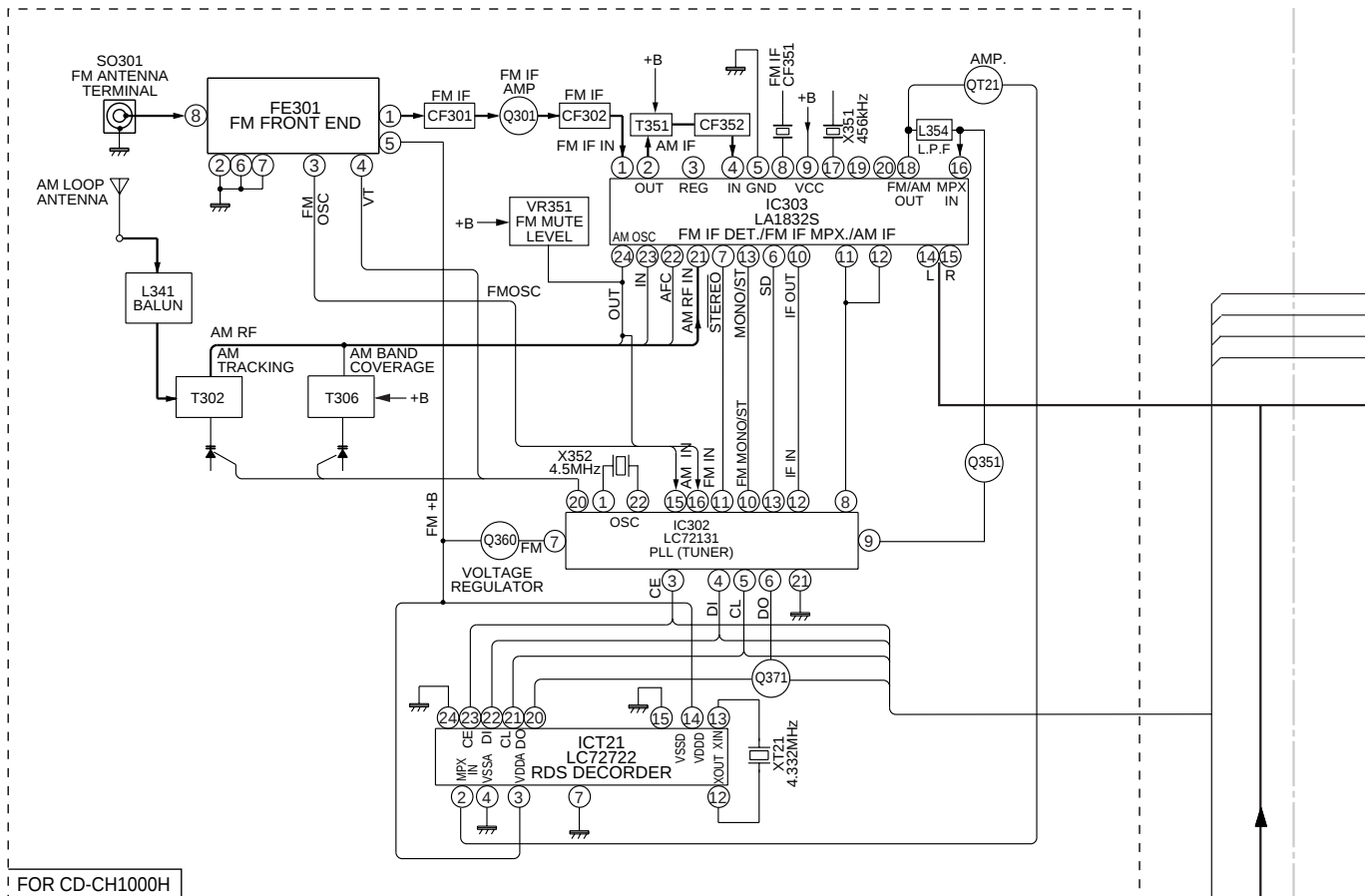


Figure 34 BLOCK DIAGRAM (5/6)

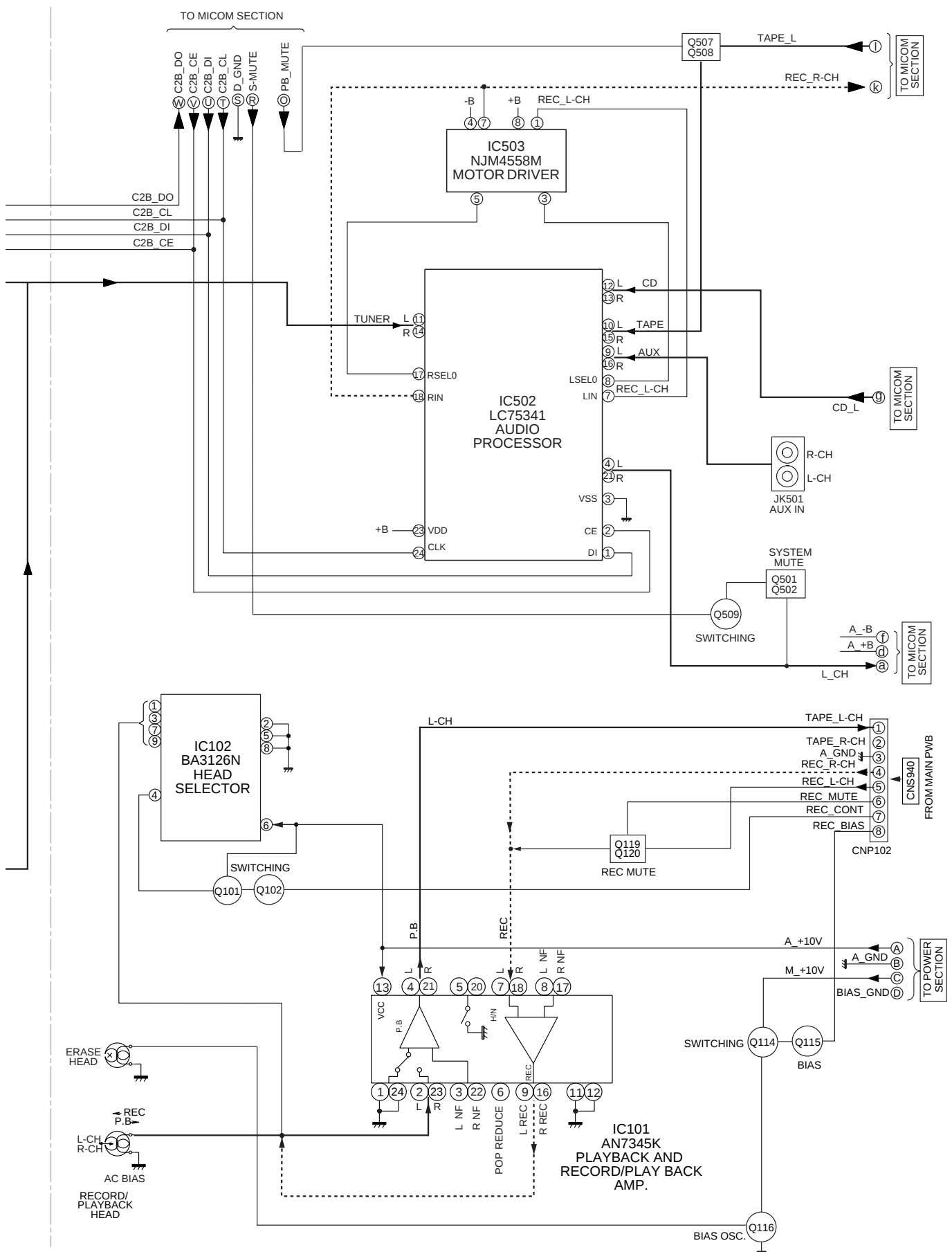


Figure 35 BLOCK DIAGRAM (6/6)

– 36 –

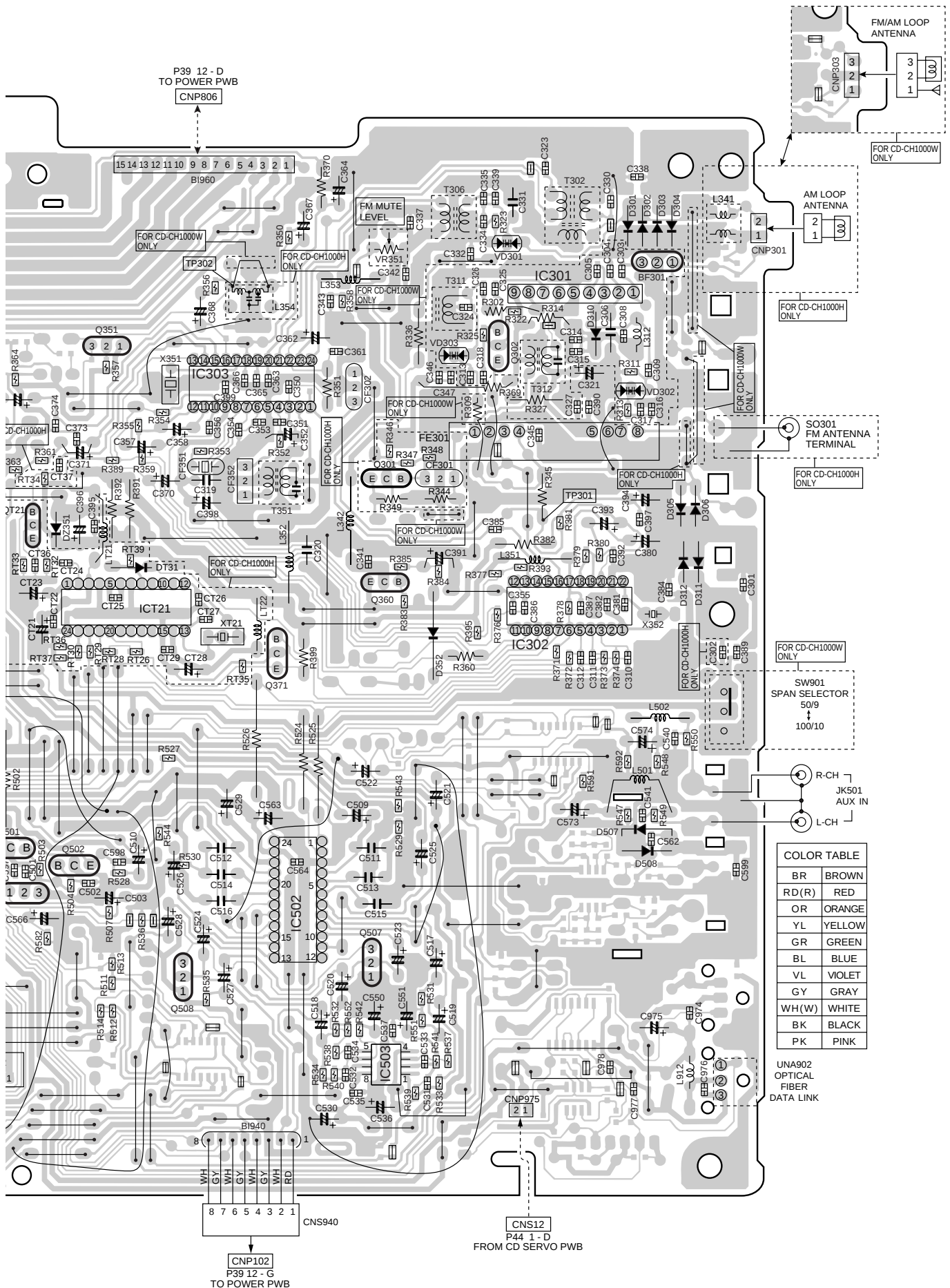


Figure 37 WIRING SIDE OF P.W.BOARD (2/10)

SPEAKER PWB-D3

SO201
SPEAKER TERMINALS
MAIN SUB WOOFER MAIN
R-CH GND R-CH GND L-CH GND L-CH GND
+ - + - + -

FOR CD-CH1000H ONLY

C260 C264 C266 C262
R286 R288
L202 L204
C268 C272 C274 C270
R290 R292
C265 C261 C273 C269
R287 R291
C277 C279 C280 C282
R285 R289
C259 C263 C267 C271
L201 L203
B1201B
WH GY WH GY WH GY WH RD

FOR CD-CH1000H

AC POWER SUPPLY CORD(239)
AC 230V, 50Hz

BLUE—BROWN: QACCE0008AW00
BLUE—BROWN: QACCB0006AW00

When Servicing, pay attention as the area enclosed by this line (---) is directly connected with AC main voltage.

CNS808
GY 5
WH 4
GY 3
WH 2
RD 1

T801
MAIN POWER TRANSFORMER

BL RD
RD BL BK YL
3 2 1

CNS804
RD 1
WH 2
GY 3
WH 4
GY 5
WH 6

SUB TRANS PWB-D2

BL BR
(251) (251)
L802
F807
T3.15A L 250V
T802
SUB POWER TRANSFORMER
C836
RY801
D815 D814 D813 D812
C835 Q808
D802 R835
D819 R815
C823 C824
C825
F806 T4A L 250V
F805 T4A L 250V
F804 T5A L 250V
F803 T5A L 250V
F808 T2A L 250V
F801 T2A L 250V
C831
C832
C833
D816 D817
C834
C826 C827
D807 D806 D805 D804
B1804
CNP801
1 2
CNP802
5 4 3 2 1
CNP803
1 2 3

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POWER PWB-D1

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

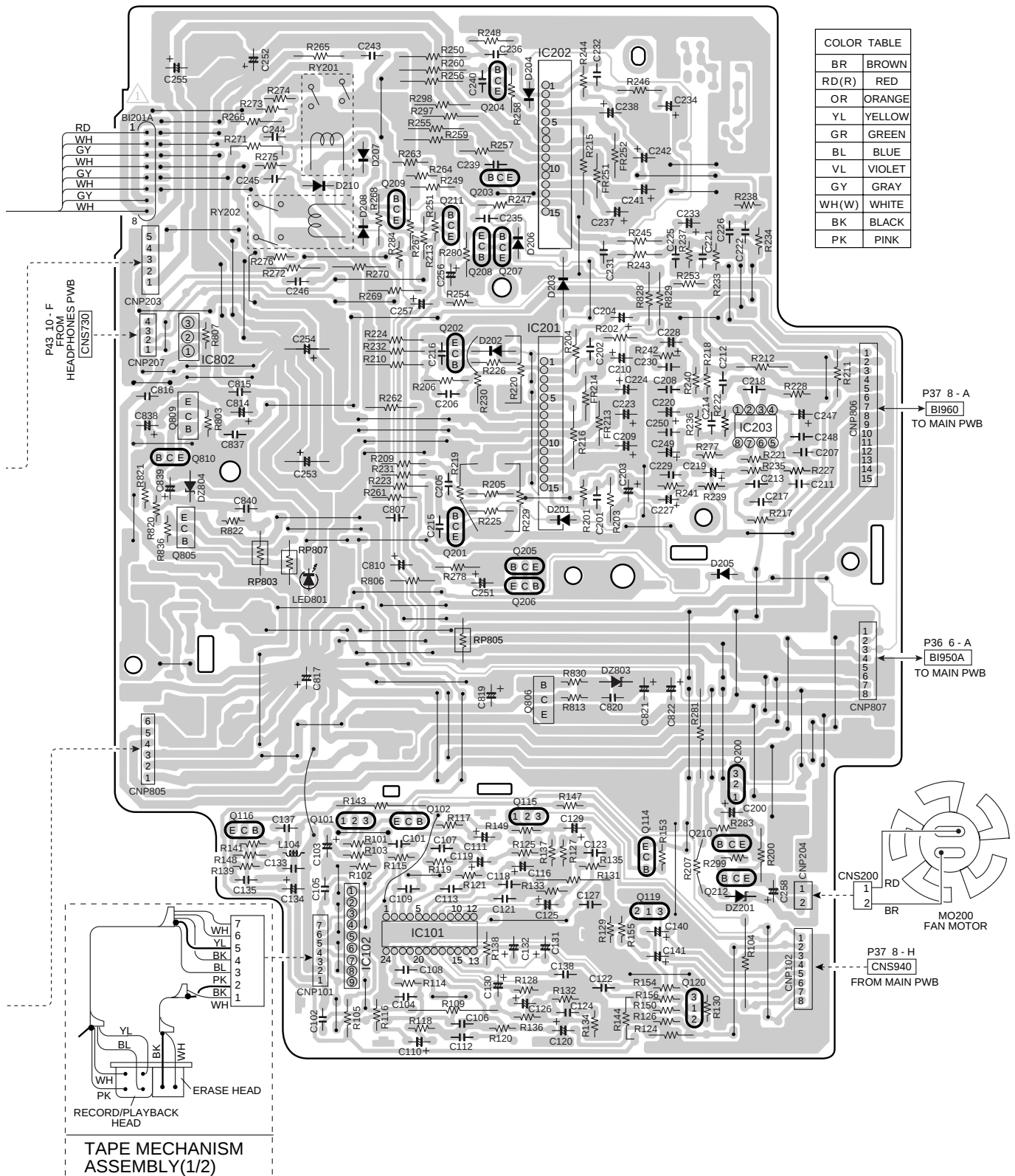


Figure 39 WIRING SIDE OF P.W.BOARD (4/10)



— 40 —



Figure 41 WIRING SIDE OF P.W.BOARD (6/10)

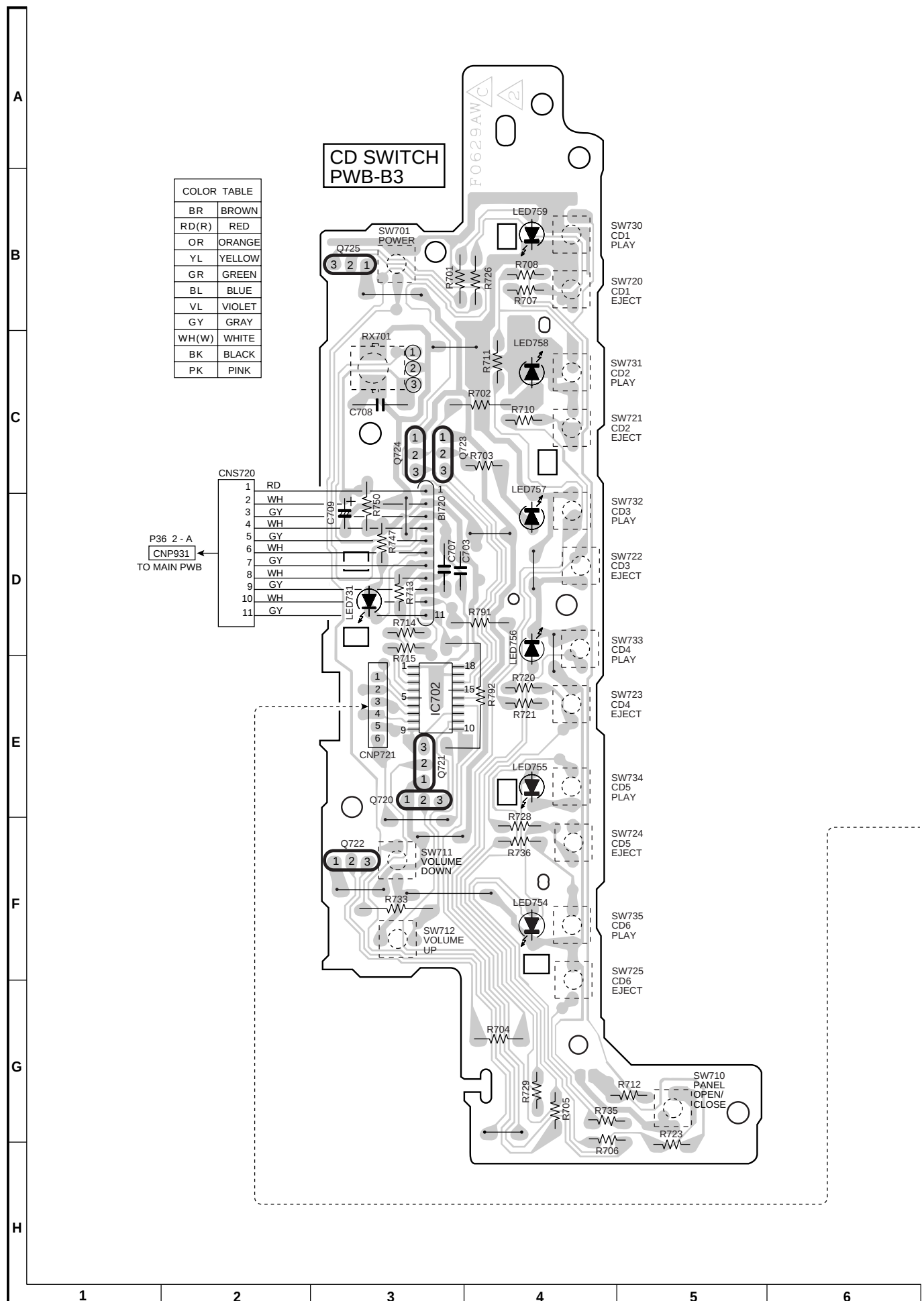


Figure 42 WIRING SIDE OF P.W.BOARD (7/10)

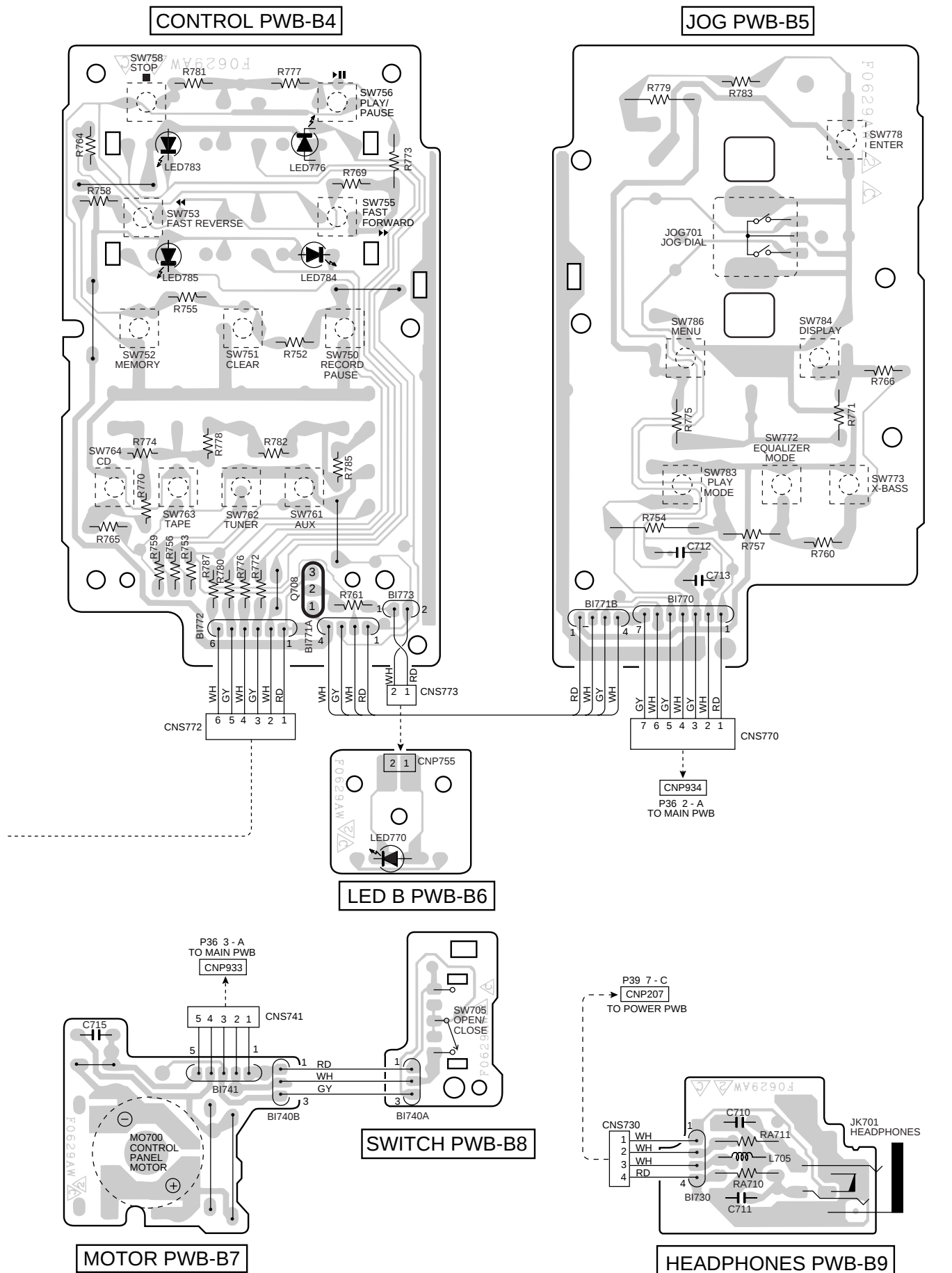


Figure 43 WIRING SIDE OF P.W.BOARD (8/10)

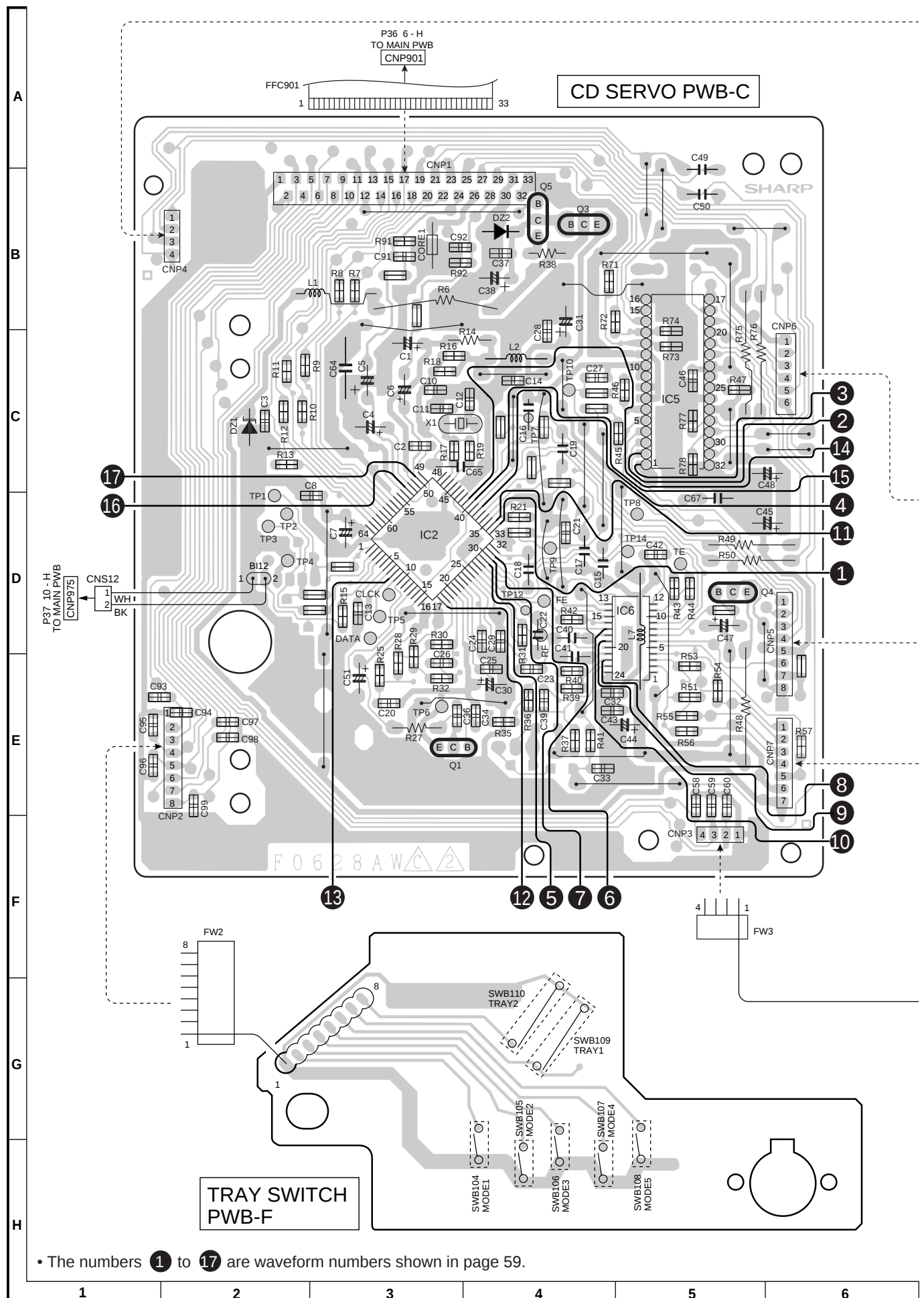
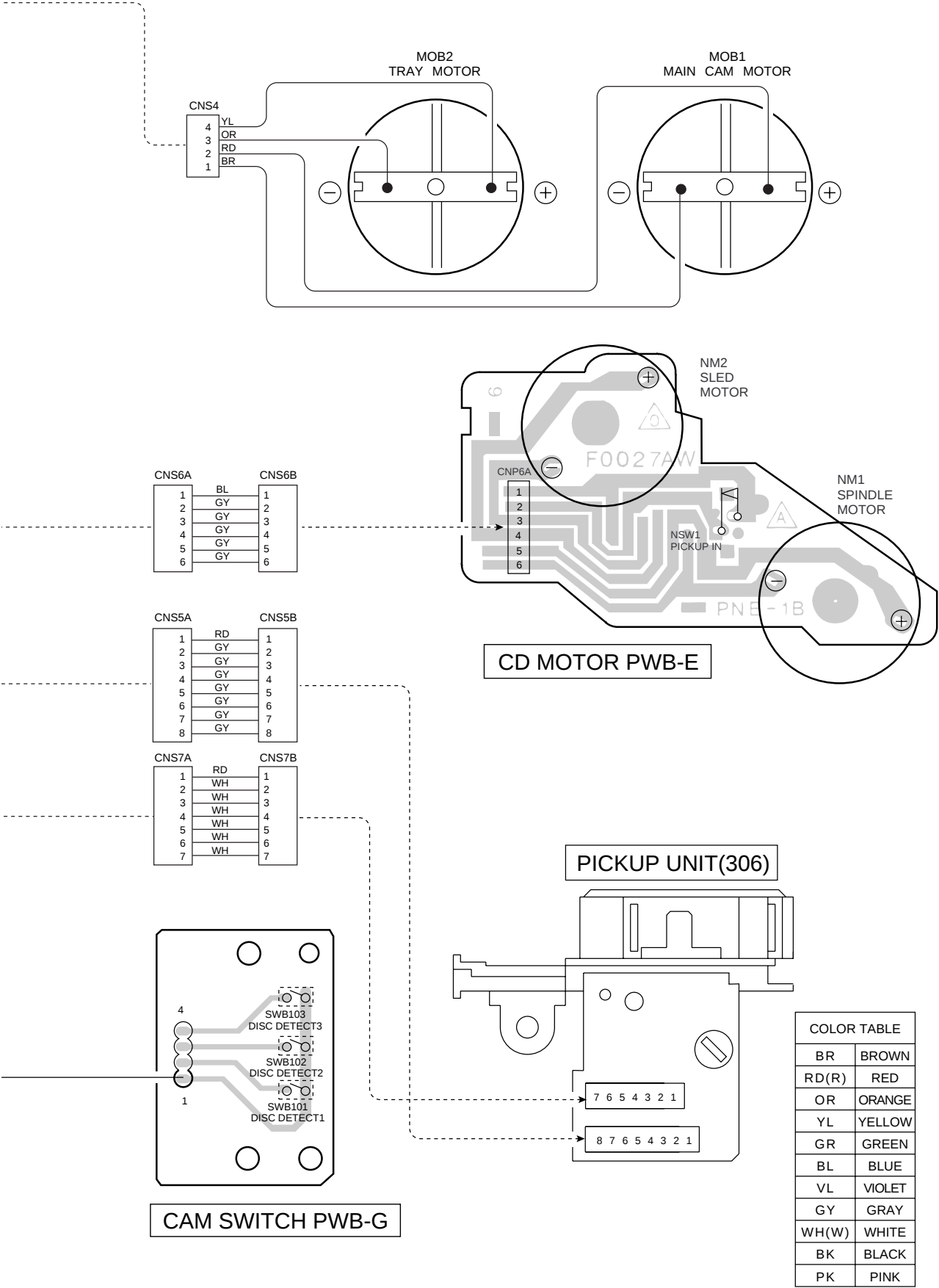


Figure 44 WIRING SIDE OF P.W.BOARD (9/10)



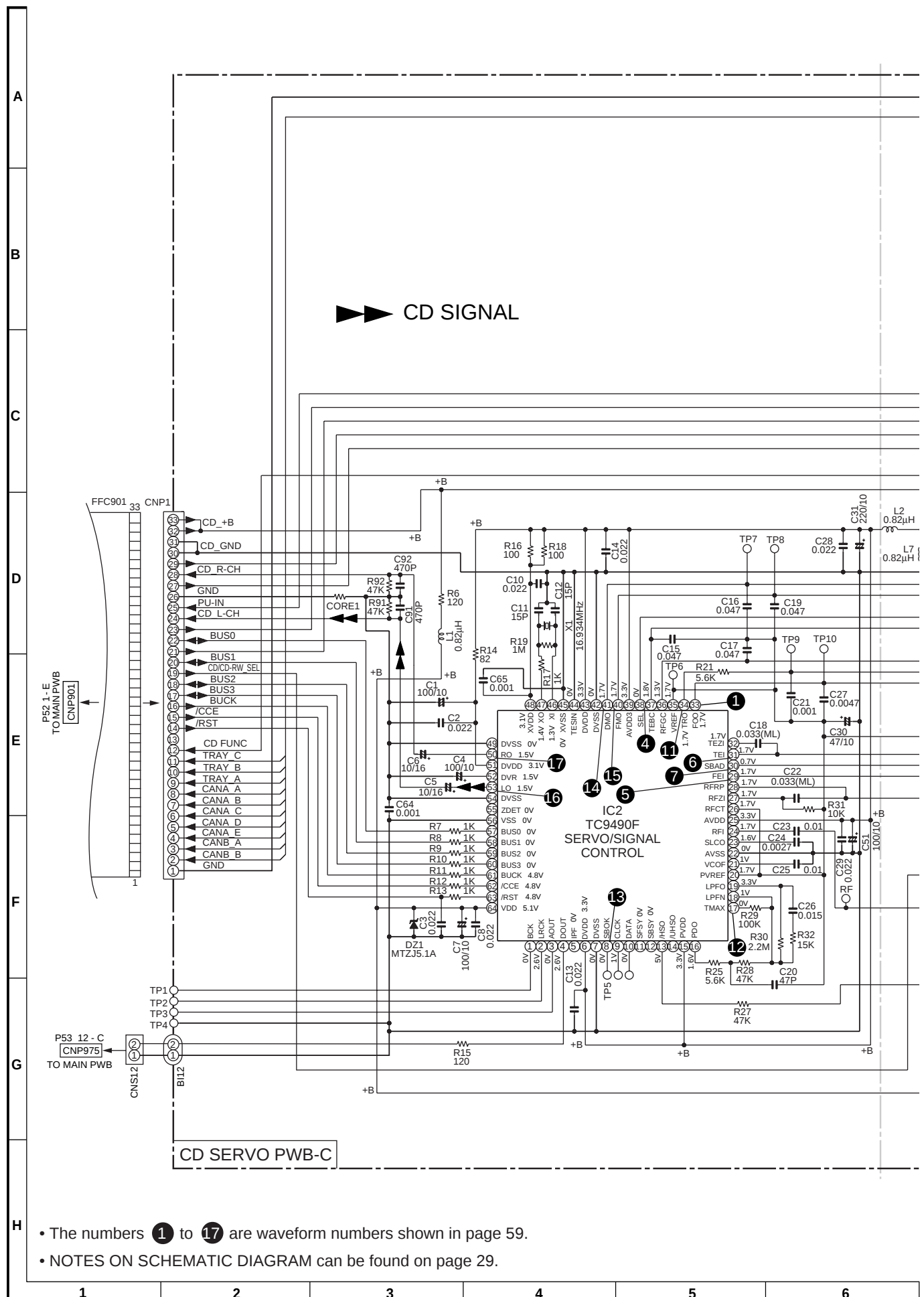


Figure 46 SCHEMATIC DIAGRAM (1/13)

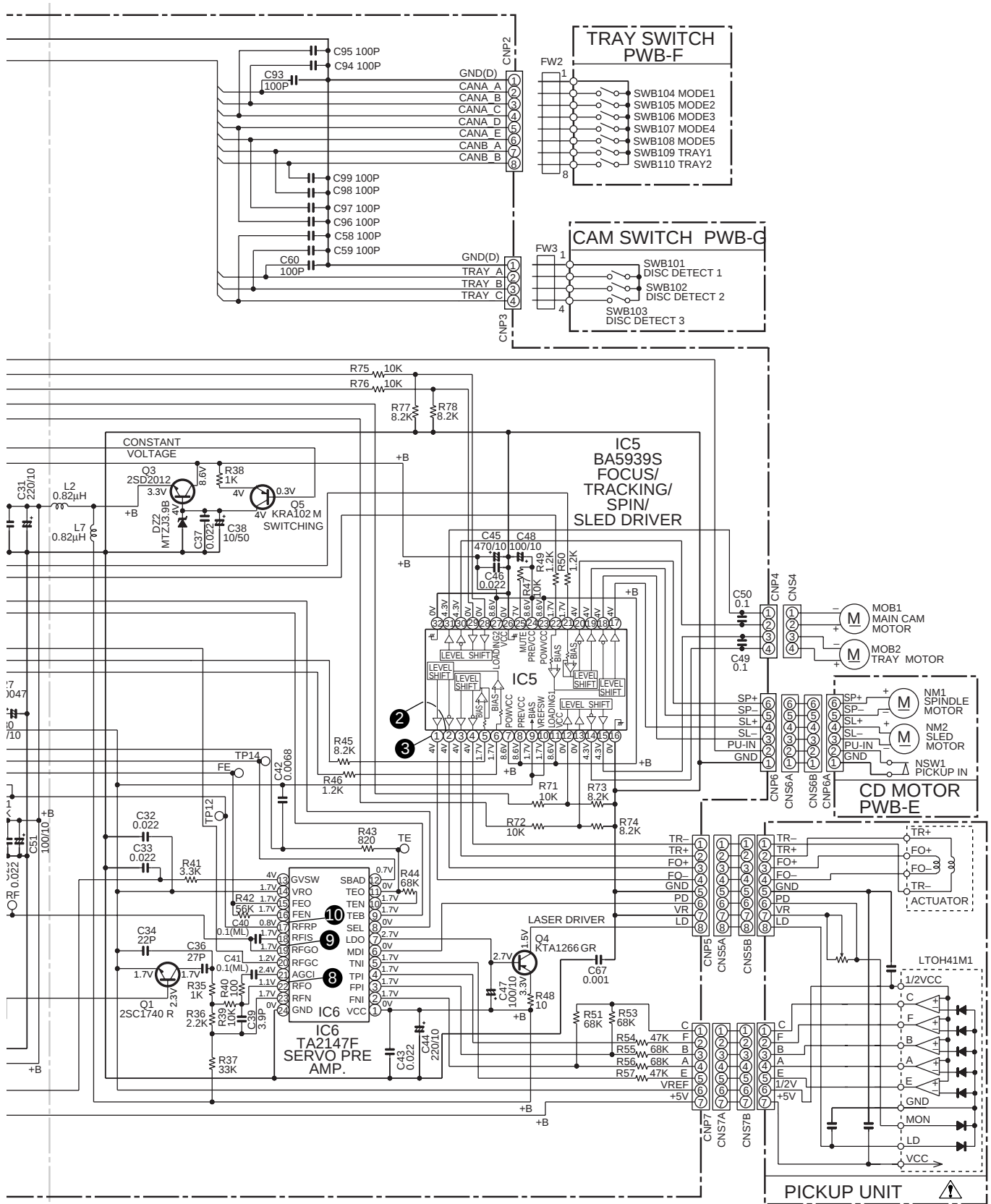


Figure 47 SCHEMATIC DIAGRAM (2/13)

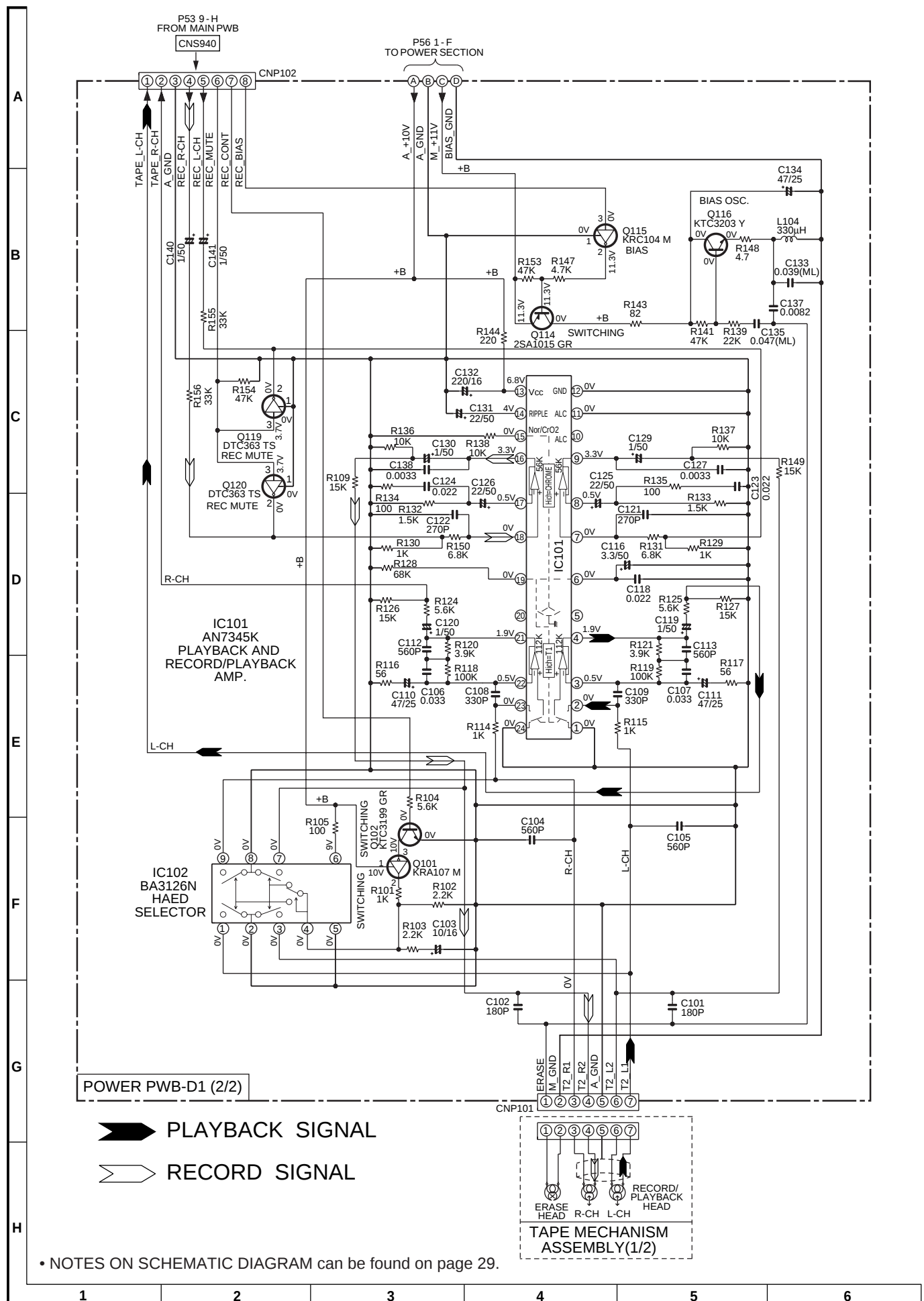


Figure 48 SCHEMATIC DIAGRAM (3/13)

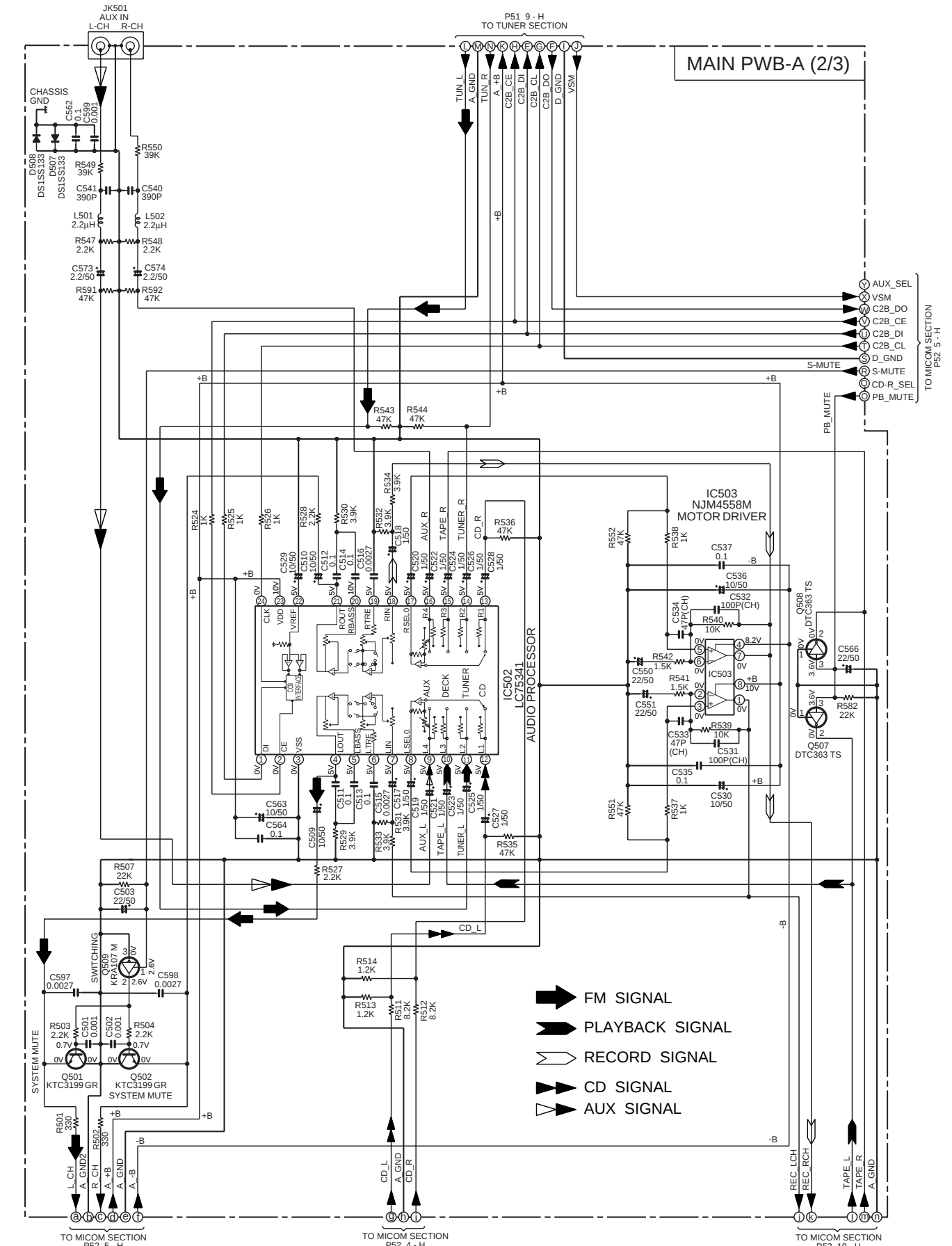


Figure 49 SCHEMATIC DIAGRAM (4/13)

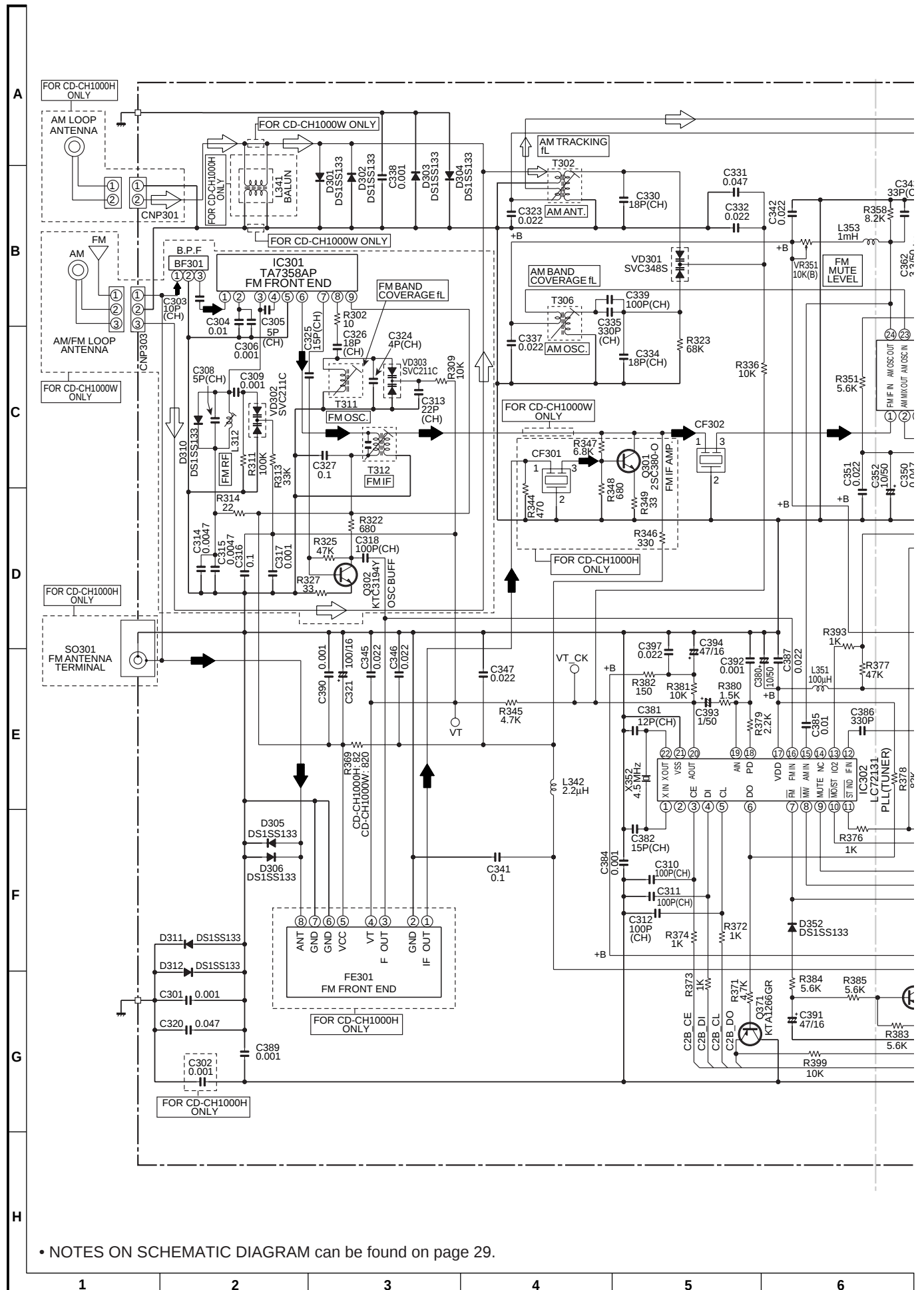
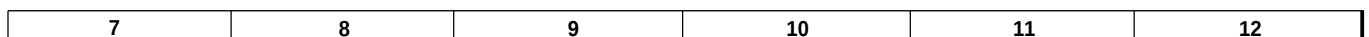


Figure 50 SCHEMATIC DIAGRAM (5/13)



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- 52 -

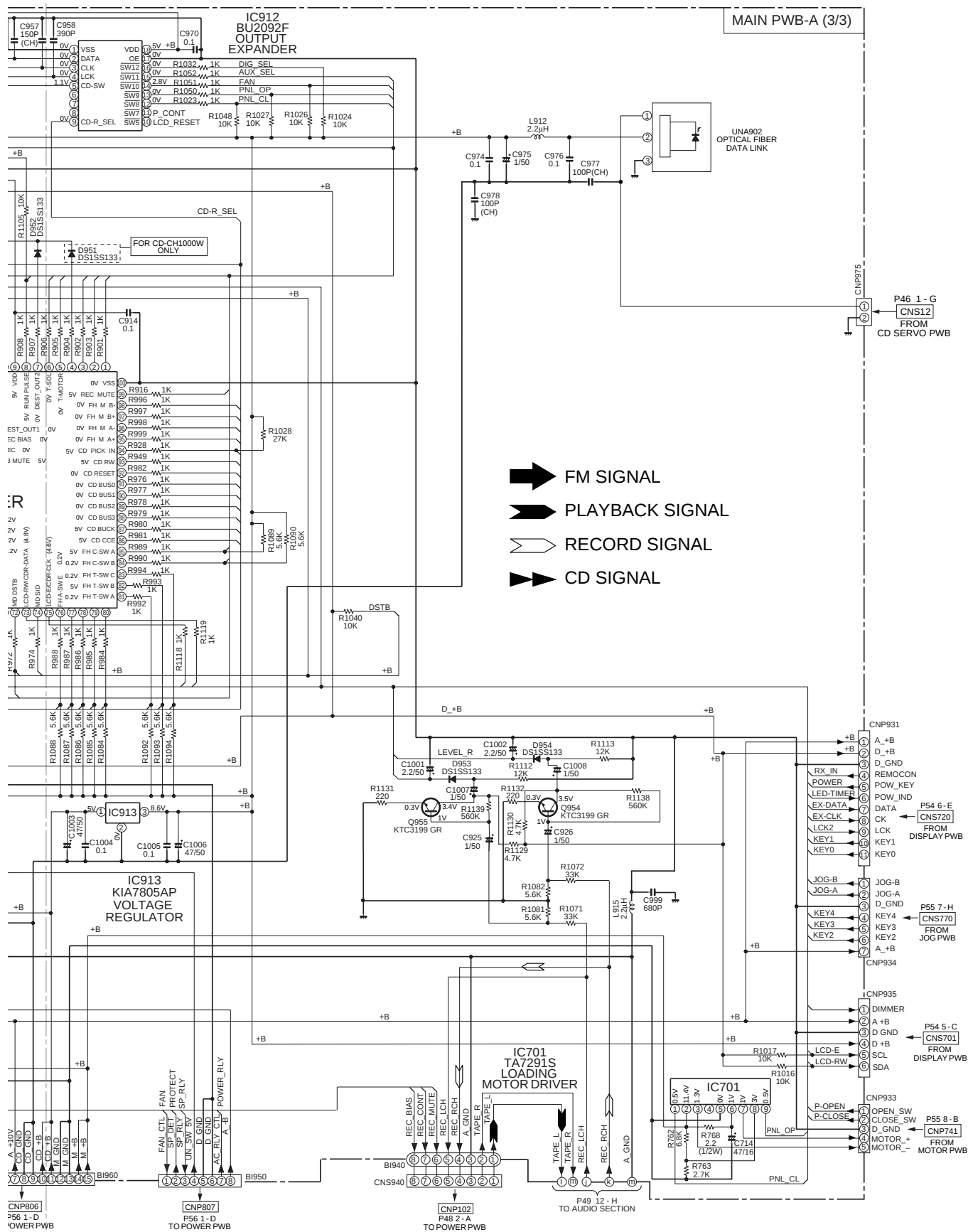


Figure 53 SCHEMATIC DIAGRAM (8/13)

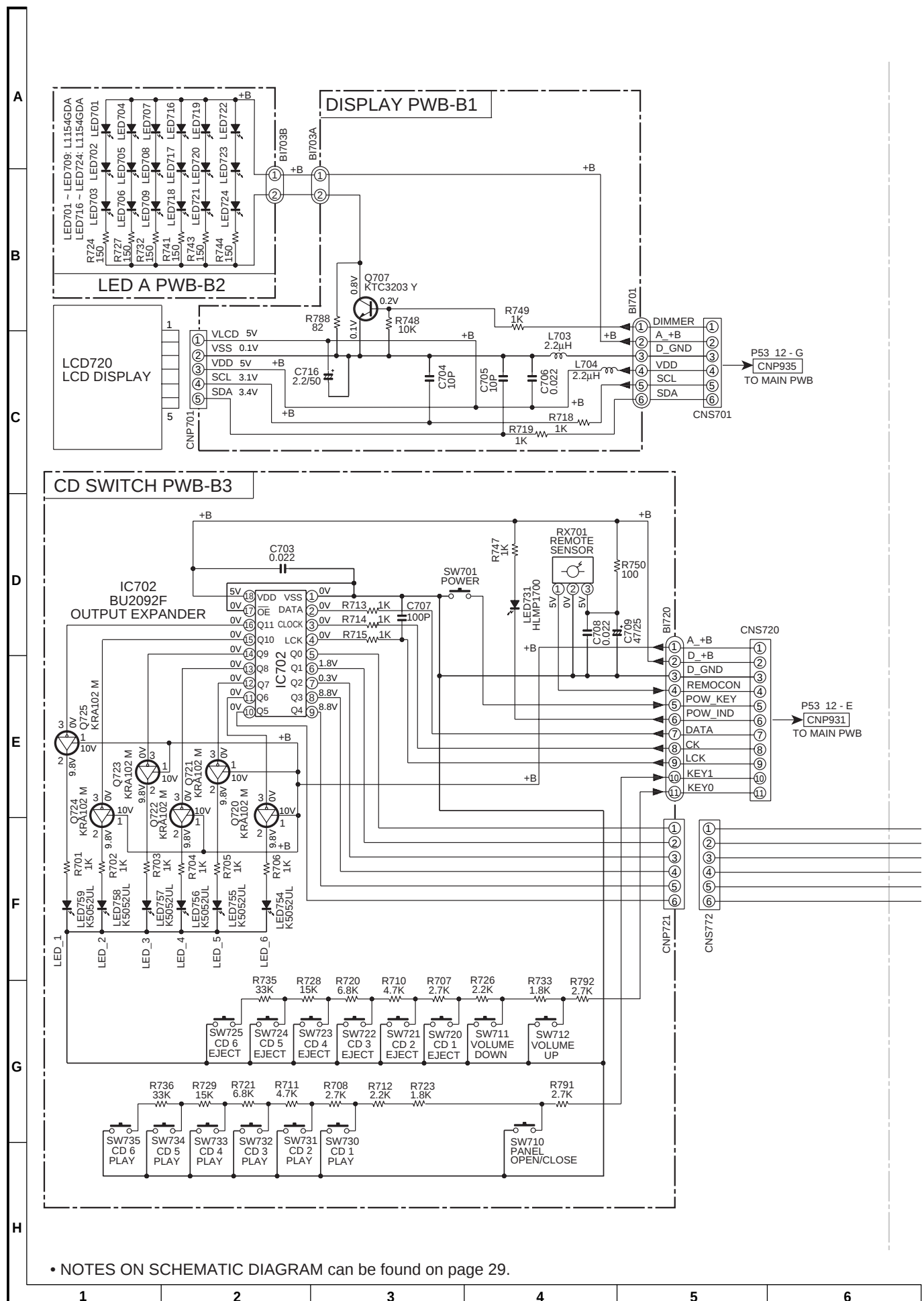


Figure 54 SCHEMATIC DIAGRAM (9/13)

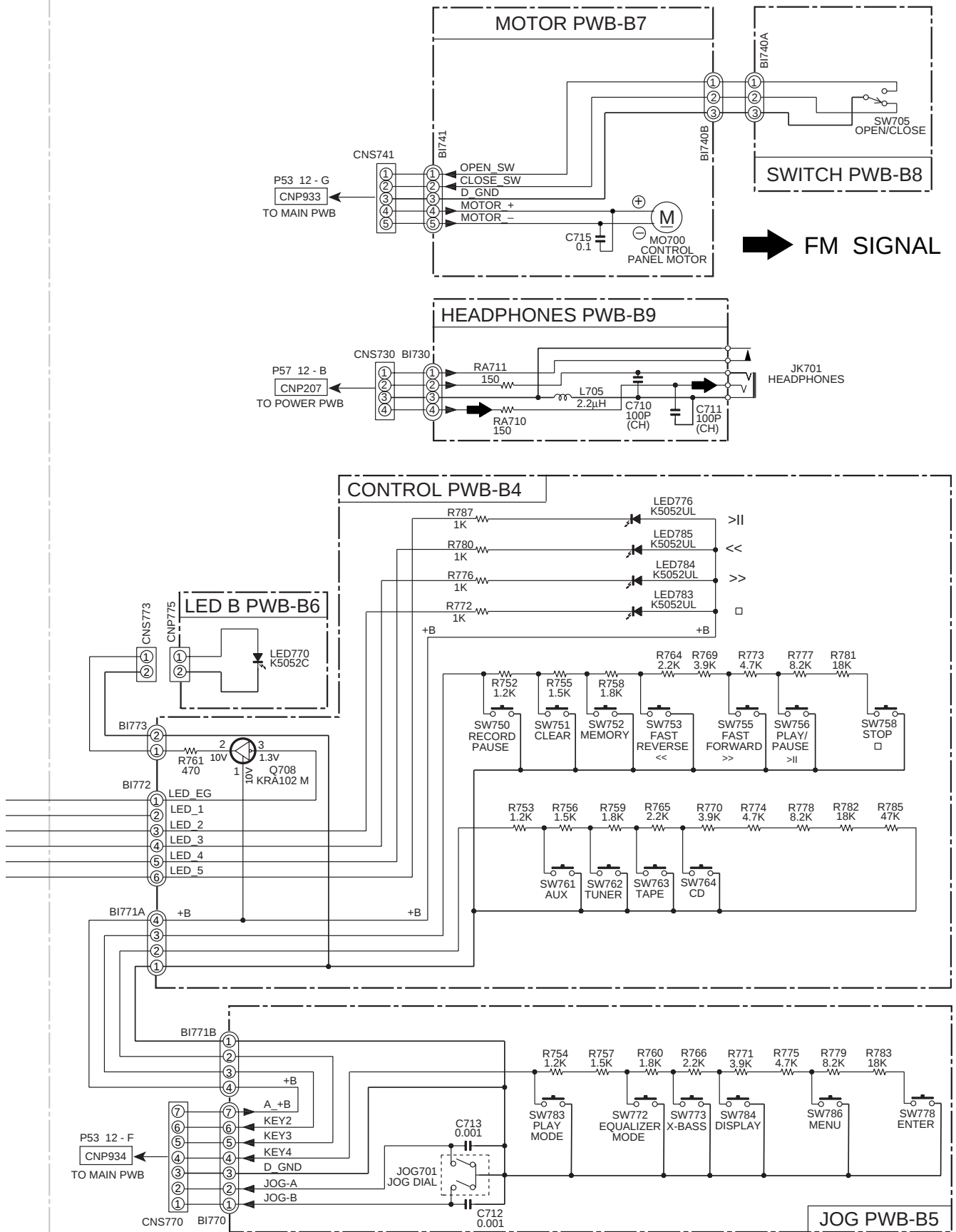


Figure 55 SCHEMATIC DIAGRAM (10/13)

– 56 –

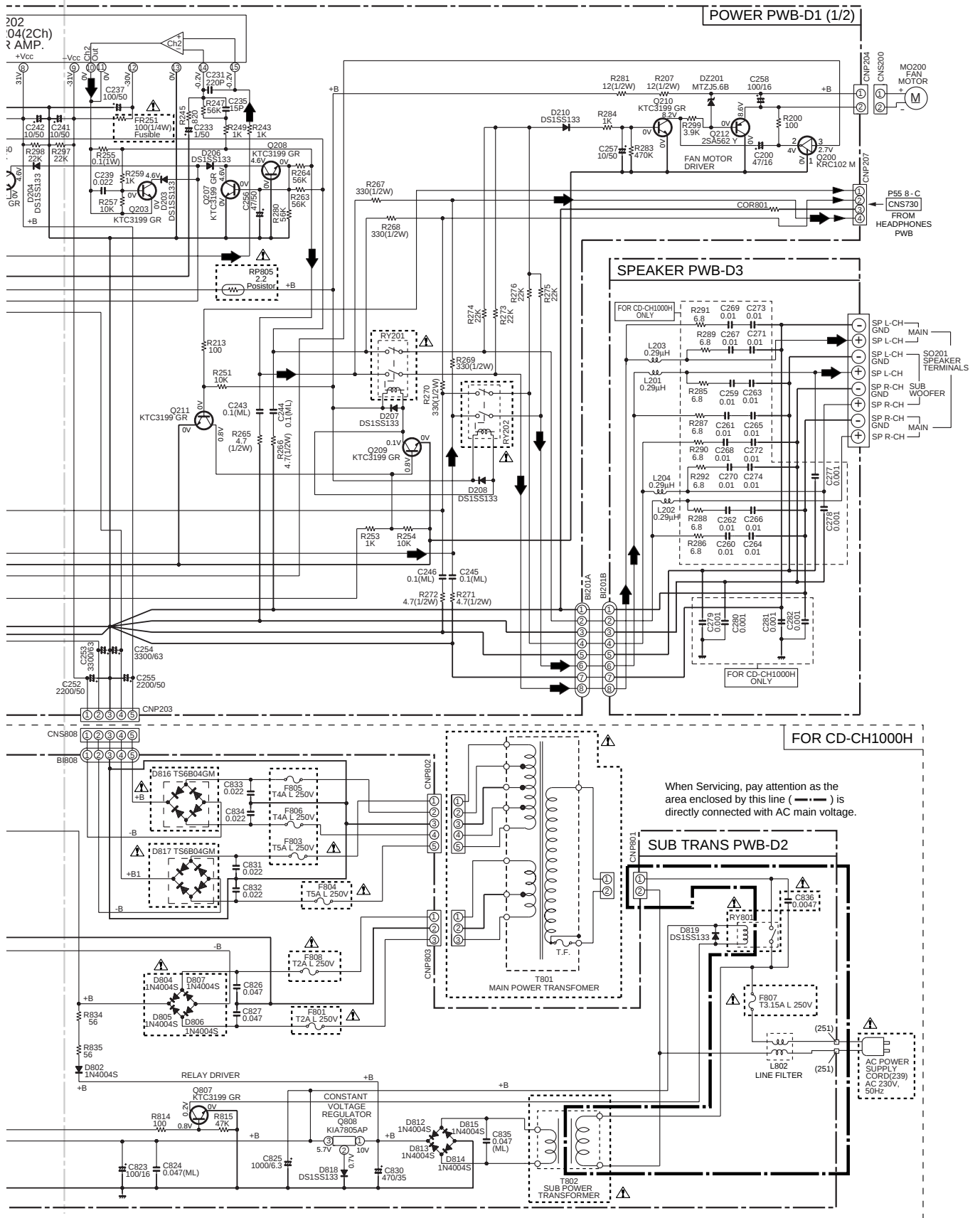


Figure 57 SCHEMATIC DIAGRAM (12/13)

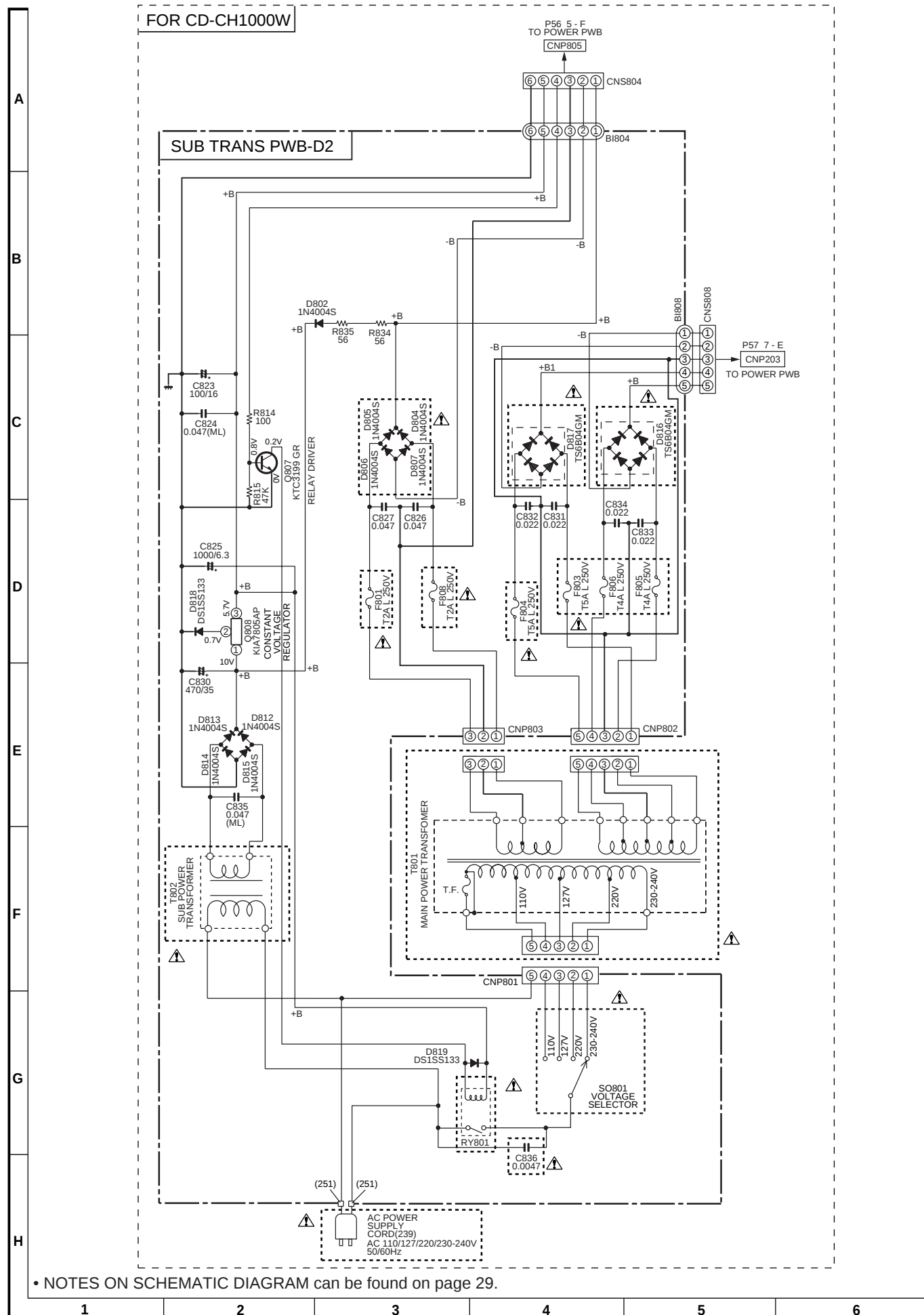
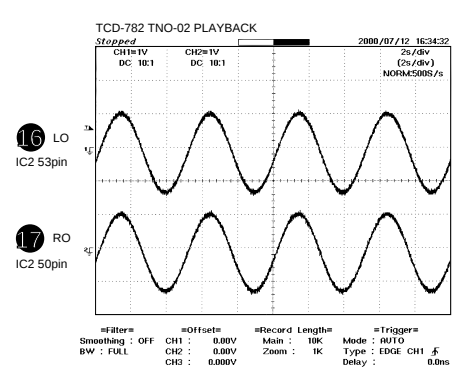
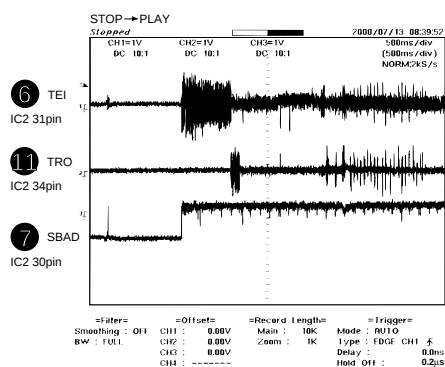
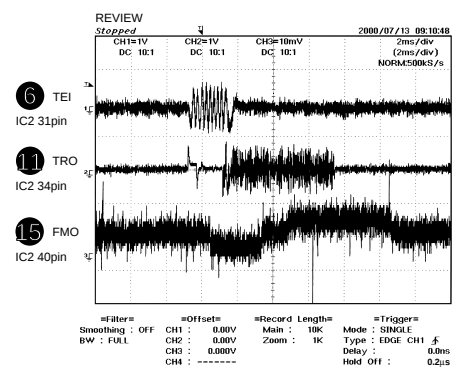
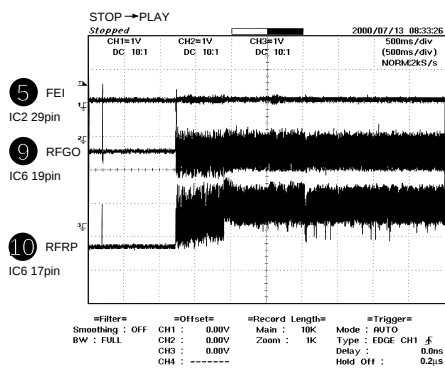
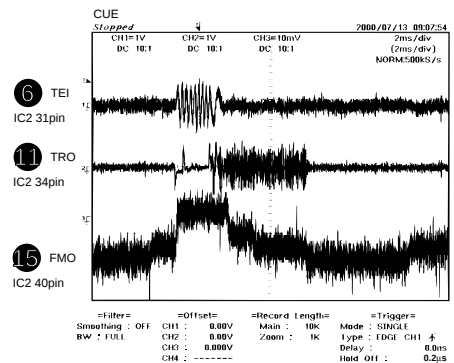
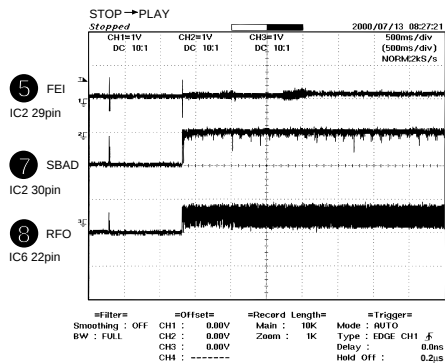
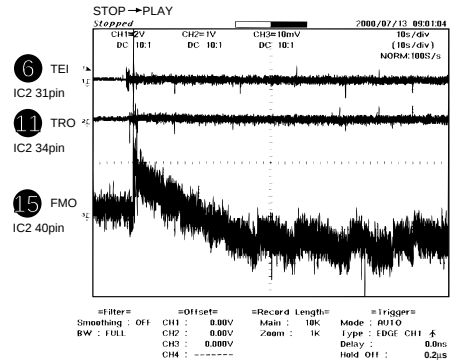
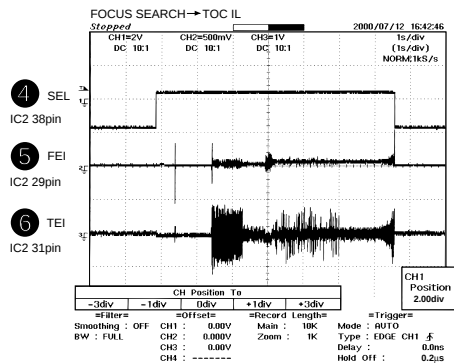
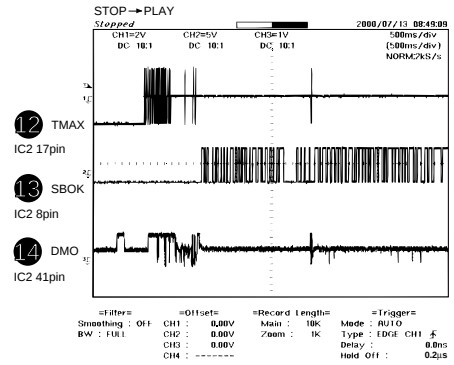
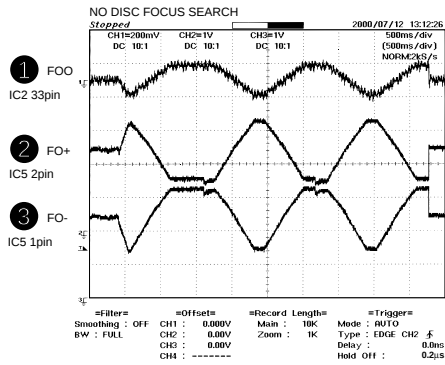


Figure 58 SCHEMATIC DIAGRAM (13/13)

WAVEFORMS OF CD CIRCUIT



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.

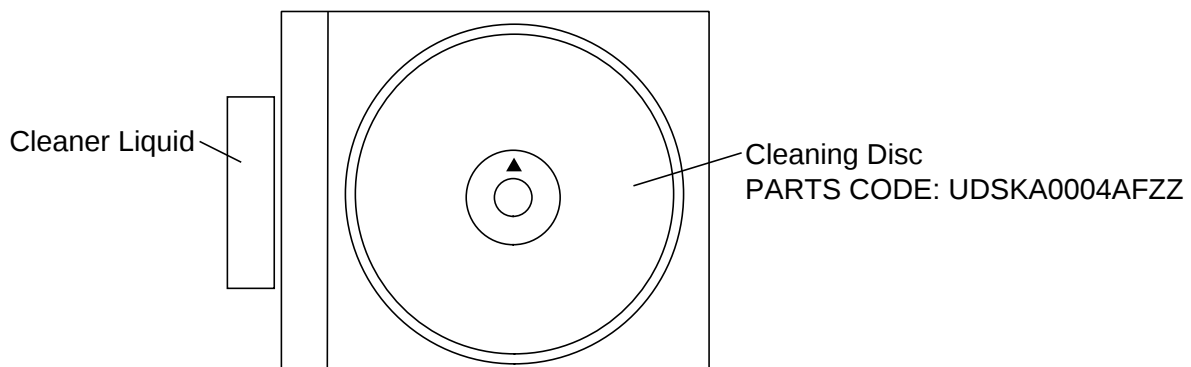
Dust gradually accumulates on the objective lens during use, and it may degrade performance. To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

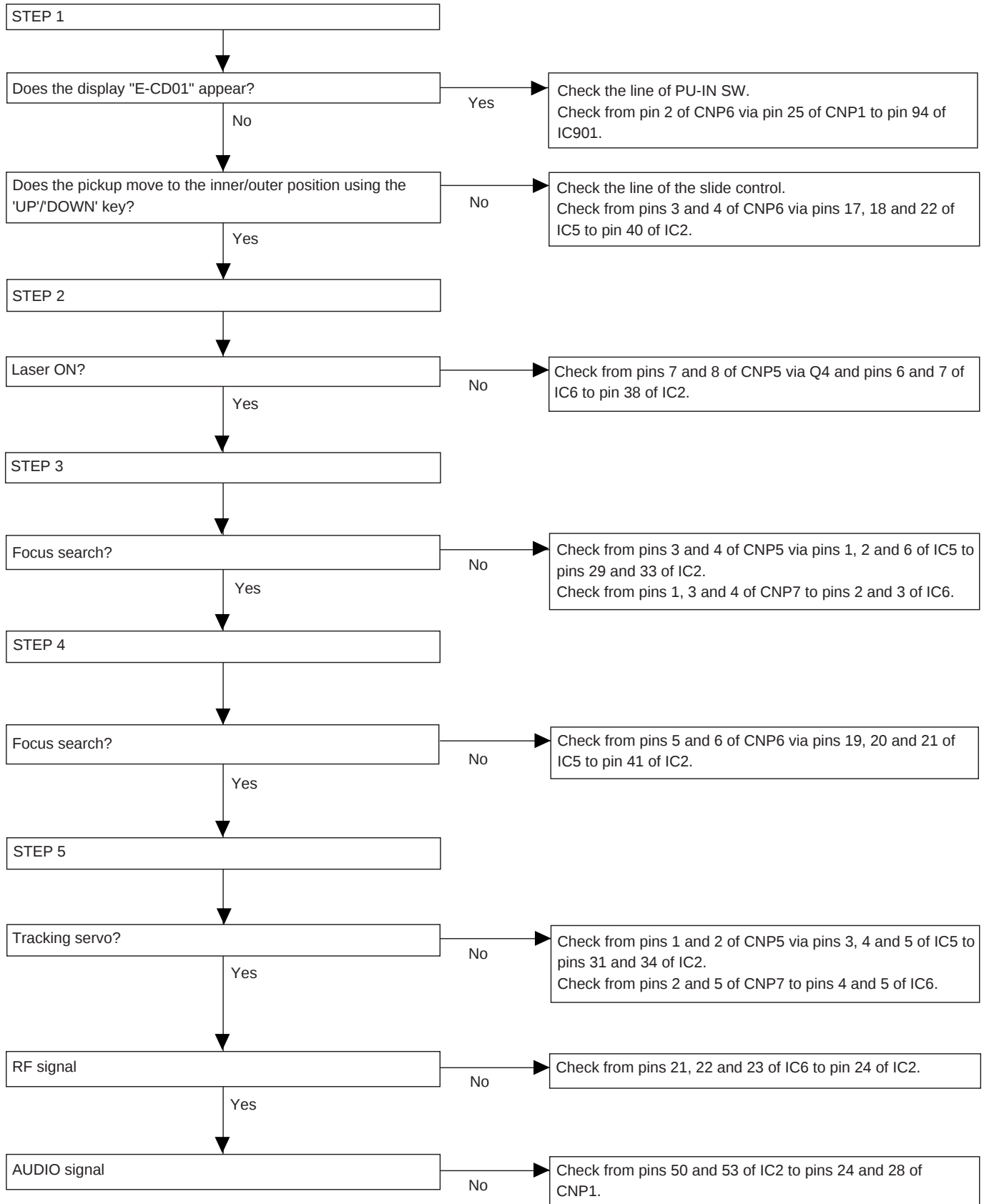
HOW TO USE

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.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.



Check in the CD test mode.

FUNCTION TABLE OF IC

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

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

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. 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

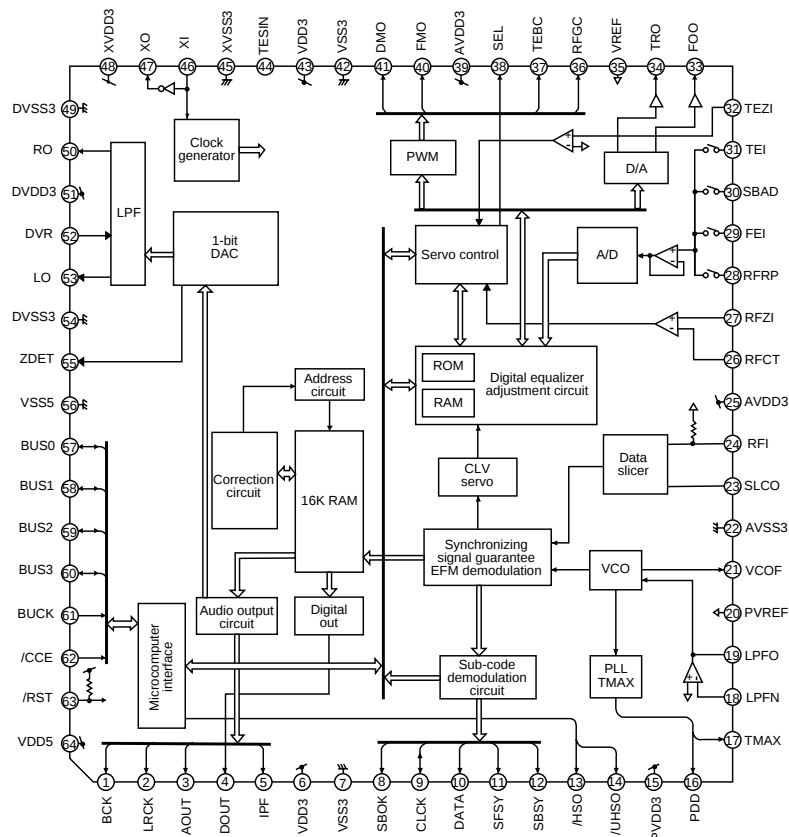
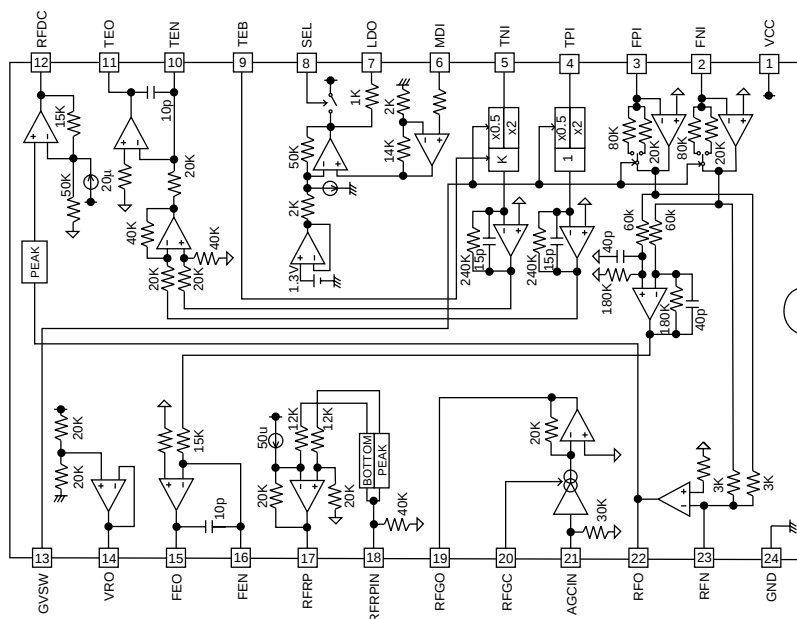


Figure 63 BLOCK DIAGRAM OF IC

CD-CH1000H/CD-CH1000W

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 <table><tr><td>SEL</td><td>APC circuit</td><td>LDO</td></tr><tr><td>GND</td><td>OFF</td><td>Connection to VCC via 1kΩ</td></tr><tr><td>Hi-z</td><td>ON</td><td>Control signal output</td></tr><tr><td>VCC</td><td>ON</td><td>Control signal output</td></tr></table>	SEL	APC circuit	LDO	GND	OFF	Connection to VCC via 1kΩ	Hi-z	ON	Control signal output	VCC	ON	Control signal output
SEL	APC circuit	LDO													
GND	OFF	Connection to VCC via 1kΩ													
Hi-z	ON	Control signal output													
VCC	ON	Control signal output													
9	TEBC	Input	Tracking error balance adjustment signal input terminal • 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 <table><tr><td>GVSW</td><td>Mode</td></tr><tr><td>GND</td><td>CD-RW</td></tr><tr><td>Hi-z</td><td>CD-DA</td></tr><tr><td>VCC</td><td>CD-CA</td></tr></table>	GVSW	Mode	GND	CD-RW	Hi-z	CD-DA	VCC	CD-CA				
GVSW	Mode														
GND	CD-RW														
Hi-z	CD-DA														
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	SEL	TEB	RFGC	GVSW
V _{CTRL}	(APC_SW)	(TE_BAL)	(AGC_Gain)	(CD/RW)
VCC	APC ON	-50%	+12dB	DA (0dB)
HiZ	APC ON	0%	+6dB	DA (0dB)
GND	APC OFF (LDO=H)	+50%	0dB	RW (+12dB)

Figure 64 BLOCK DIAGRAM OF IC

IC901 RH-iX0385AWZZ: System Microcomputer (IX0385AW) (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	Not used
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	Not used
24*	P91	Output	Not used
25*	P92	Output	Not used
26*	P93	Output	Not used
27*	P94	Output	Not used
28	P06/INTP6	Output	POWER relay control
29*	P120/RTP0	Output	Not used
30	P121/RTP1	Output	Not used
31	P122/RTP2	Output	Not used
32	P123/RTP3	Output	LED output for timer
33	P124/RTP4	Output	LCD backlight
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 potential 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.

CD-CH1000H/CD-CH1000W**IC901 RH-iX0385AWZZ: System Microcomputer (IX0385AW) (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	Tape mecha select single/reverse
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	Not used
72	P24/BUZ	Output	Not used
73	P25/SI0/SDA0	Input/Output	Control output read/write to LCD driver
74	P26/SO0	Output	Not used
75	P27/SCK0/SCL0	Output	Control output clock to LCD driver
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 potential connected to VSS

IC702 VHiBU2092F/-1: Output Expander (BU2092F)

Pin No.	Port Name	Input/Output	Function
1	VSS	Input	GND
2	DATA	Input	Serial data input
3	CLOCK	Input	Serial clock input
4	LCK	Input	Latch clock input
5	Q0	Output	Panel LED
6	Q1	Output	> 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	Serial data input
3	CLK	Input	Serial 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	Not used
10*	Q5	Output	Not used
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	Not used
16	Q11	Output	Not used
17	OE	Output	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.

CD-CH1000H/CD-CH1000W

ICT21 VHiLC72722/-1: RDS Decoder (LC72722) (For CD-CH1000H Only)

Pin No.	Port Name	Input/Output	Function
1	VREF	Output	Reference voltage output ($V_{dda}/2$)
2	MPXIN	Input	Baseband (multiplexed) signal input
3	Vdda	—	Analog power supply (+5V)
4	Vssa	—	Analog ground
5	FLOUT	Output	Subcarrier output (filter output)
6	CIN	Input	Subcarrier input (comparator input)
7	T1	Input	Test input (This pin must always be connected to ground.)
8	T2	Input	Test input (standby control) 0: Normal operation 1: standby state (crystal oscillator stopped)
9*	T3 (RDCL)	Input/Output (*)	Test I/O (RDS clock output)
10*	T4 (RDDA)	Input/Output (*)	Test I/O (RDS data output)
11*	T5 (RSFT)	Input/Output (*)	Test I/O (soft-decision control data output)
12	XOUT	Output	Crystal oscillator output (4.332/8.664 MHz)
13	XIN	Input	Crystal oscillator input (external reference signal input)
14	Vddd	—	Digital power supply (+5V)
15	Vssd	—	Digital ground
16*	T6 (ERROR/57K/TP/BE1)	Input/Output (*)	Test I/O (error status, regenerated carrier, TP, error block count outputs)
17*	T7 (CORREC/ARI-ID/TA/BE0)	Input/Output (*)	Test I/O (error correction status, SK detection, TA, error block count outputs)
18*	SYNC	Input/Output (*)	Block synchronization detection output
19*	RDS-ID	Output	RDS detection output
20	DO	Output	Data output
21	CL	Input	Clock input Data input Chip enable } Serial data interface (CCB)
22	DI	Input	
23	CE	Input	
24	SYR	Input	Synchronization and RAM address reset (active high)

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

(*): Normally the output pin. Used as an I/O pin in test mode, which is not available to user applications.

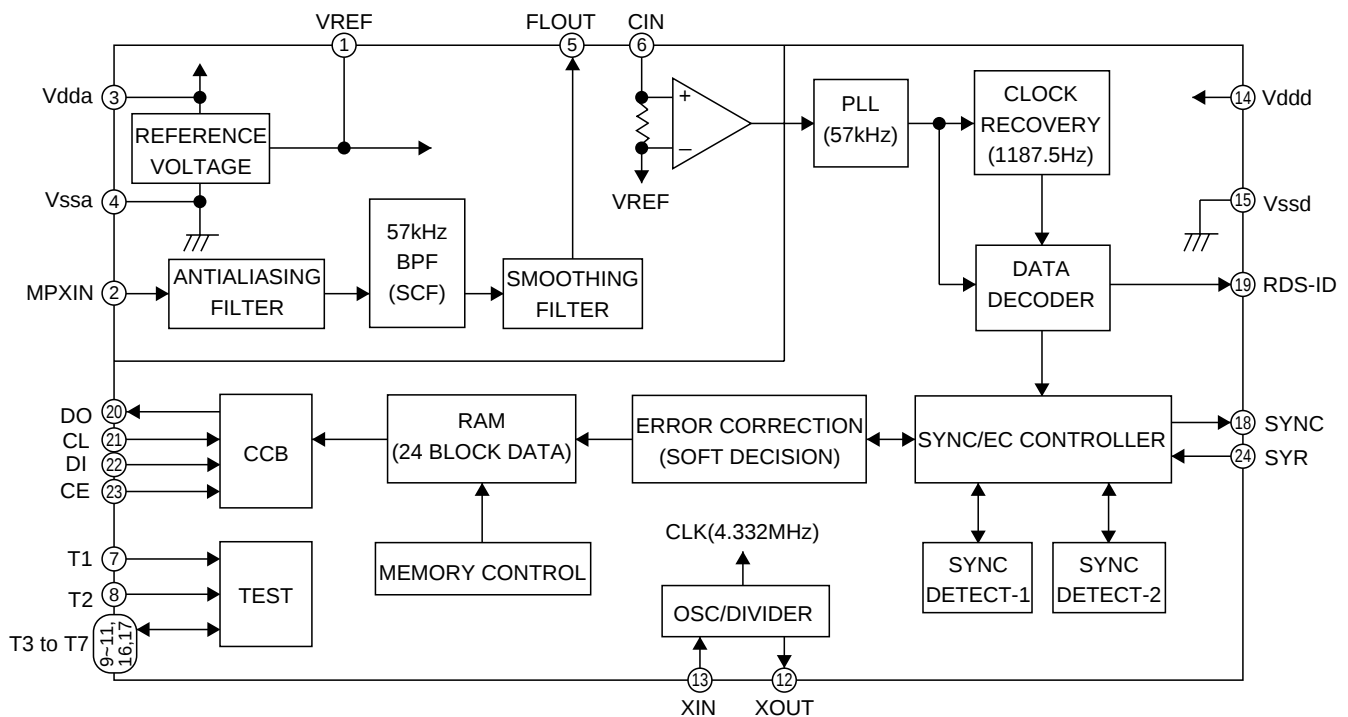
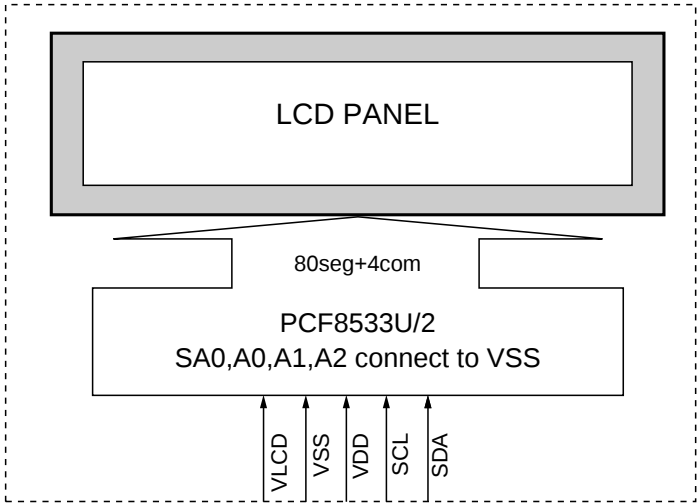
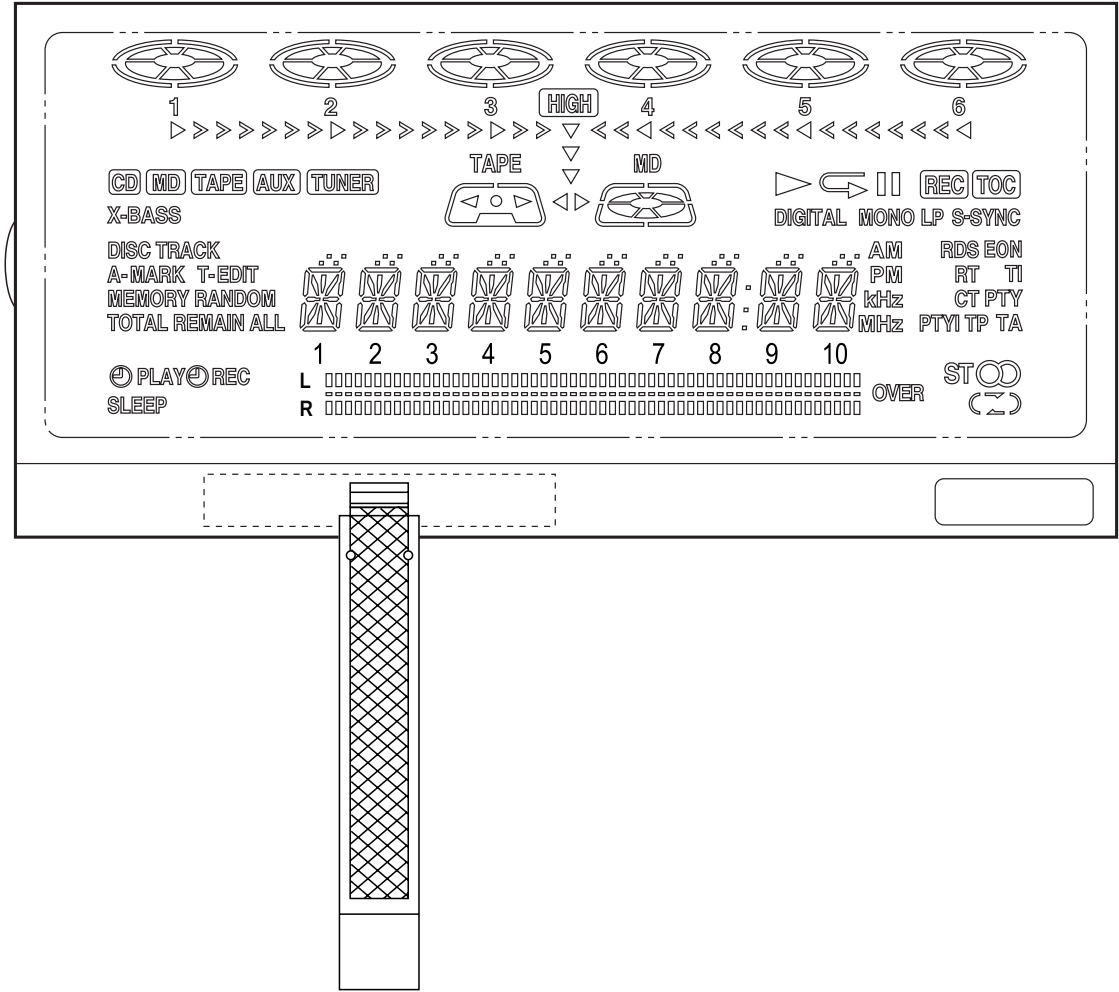


Figure 68 BLOCK DIAGRAM OF IC

LCD720: RUNTZ0020AWZZ

LCD DISPLAY



Pin No.	Pin Name	I/O	Connect to	Description
1	VLCD	—	Power supply	LCD supply voltage
2	VSS	—	Power supply	Logic ground
3	VDD	—	Power supply	Supply voltage (5V)
4	SCL	I	MPU	I ² C-bus serial clock input
5	SDA	I/O	MPU	I ² C-bus serial data input/output

WIRING OF PRIMARILY SUPPLY LEADS (CD-CH1000H FOR U.K. ONLY)

If any one of the bands shown in Fig. 70 is removed some reason, be sure replace it to the original position and same appearance as before.

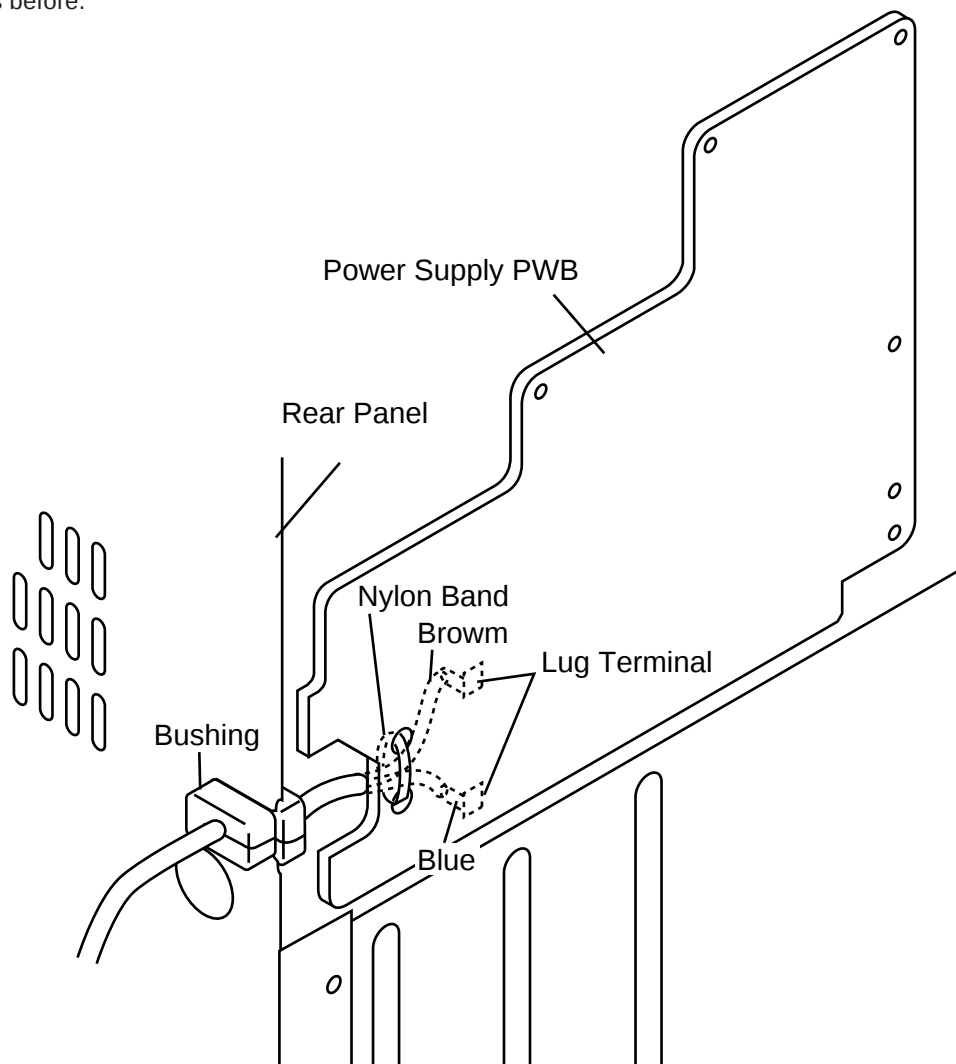


Figure 70

SHARP PARTS GUIDE

AUDIO TOWER SYSTEM

MODEL CD-CH1000H

CD-CH1000H Audio Tower System consisting of CD-CH1000H (main unit) and CP-RW5000H (speaker system).

AUDIO TOWER SYSTEM

MODEL CD-CH1000W

CD-CH1000W Audio Tower System consisting of CD-CH1000W (main unit) and CP-RW5000W (speaker system).

"HOW TO ORDER REPLACEMENT PARTS"

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

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. No. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

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-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CD-CH1000H/CD-CH1000W				
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 [For CD-CH1000W Only]
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC502	VHILC75341/-1	J	AM	Audio Processor,LC75341
IC503	VHINJM4558M/-1	J	AC	Motor Driver,NJM4558M
IC701	VHITA7291S/-1	J	AH	Loading Motor Driver,TA7291S
IC702	VHIBU2092F/-1	J	AM	Output Expander,BU2092F
IC802	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810AP
IC901	RH-IX0385AWZZ	J	AY	System Microcomputer, IX0385AW
IC905	VHIKIA7042AP1	J	AC	Reset,KIA7042AP
IC912	VHIBU2092F/-1	J	AM	Output Expander,BU2092F
IC913	VHIKIA7805AP1	J	AF	Voltage Regulator,KIA7805AP
ICT21	VHILC72722/-1	J	AY	RDS Decoder,LC72722 [For CD-CH1000H Only]

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
Q301	VS2SC380-O/-1	J	AC	Silicon,NPN,2SC380 O [For CD-CH1000H Only]
Q302	VSKTC3194Y/-1	J	AD	Silicon,NPN,KTC3194 Y [For CD-CH1000W Only]
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
Q501,502	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q507,508	VSDTC363TS/-1	J	AC	Digital,NPN,DTC363 TS
Q509	VSKRA107M//1	J	AE	Digital,PNP,KRA107 M
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
Q805	VSKTC2026//1	J	AF	Silicon,NPN,KTC2026
Q806	VSKTA1046Y/-1	J	AC	Silicon,PNP,KTA1046 Y
Q807	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q808	VHIKIA7805AP1	J	AF	Constant Voltage Regulator, KIA7805 AP
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
Q954,955	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QT21	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR [For CD-CH1000H Only]

DIODES

D201~208	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D210	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D301~306	VHDDS1SS133-1	J	AB	Silicon,DS1SS133

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
D310	VHDDS1SS133-1	J	AB	Silicon,DS1SS133 [For CD-CH1000W Only]
D311,312	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
D812~815	VHD1N4004S/-1	J	AB	Silicon,1N4004S
△ D816,817	VHDT56B04GM-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 [For CD-CH1000W Only]
D952~954	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DT31	VHDDS1SS133-1	J	AB	Silicon,DS1SS133 [For CD-CH1000H Only]
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
DZ803	VHEMTZJ9R1B-1	J	AB	Zener,9.1V,MTZJ9.1B
DZ804	VHEMTZJ100B-1	J	AB	Zener,10V,MTZJ10B
LED701~709	VHPL1154GDA-1	J	AD	LED,Green,L1154GDA
LED716~724	VHPL1154GDA-1	J	AD	LED,Green,L1154GDA
LED731	VHPHLM1700-1	J	AC	LED,Red,HLM1700
LED754~759	VHPK5052UL/-1	J	AD	LED,Red,K5052UL
LED770	VHPK5052C//1	J	AD	LED,Green,K5052C
LED776	VHPK5052UL/-1	J	AD	LED,Red,K5052UL
LED783~785	VHPK5052UL/-1	J	AD	LED,Red,K5052UL
LED801	VHPK5052UL/-1	J	AD	LED,Red,K5052UL

FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter [For CD-CH1000W Only]
CF301	RFILF0072AFZZ	J	AG	FM IF [For CD-CH1000H Only]
CF302	RFILF0072AFZZ	J	AG	FM IF [For CD-CH1000H]
CF302	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz [For CD-CH1000W]
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 [For CD-CH1000W Only]
T312	RCILI0017AWZZ	J	AB	FM IF [For CD-CH1000W Only]
T351	RCILIO019AWZZ	J	AD	AM IF
△ T801	RTRNP0323AWZZ	J	BG	Power,Main [For CD-CH1000H]
△ T801	RTRNP0326AWZZ	J		Power,Main [For CD-CH1000W]
△ T802	RTRNP0313AWZZ	J	AN	Power,Sub [For CD-CH1000H]
△ T802	RTRNP0346AWZZ	J		Power,Sub [For CD-CH1000W]

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 [For CD-CH1000W Only]
L341	RBLN-0001AWZZ	J	AD	Balun [For CD-CH1000H Only]
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
L354	RFILL0001AWZZ	J	AE	Low Pass Filter [For CD-CH1000H Only]
L501,502	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
L703~705	VP-XH2R2K0000	J	AB	2.2 μH,Choke
L802	RCILZ0021AWZZ	J	AF	Line Filter [For CD-CH1000H Only]
L901	VP-DH101K0000	J	AB	100 μH,Choke
L910	VP-YF470K0000	J	AB	47 μH,Choke
L912	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
L915	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
LT21,22	VP-XH2R2K0000	J	AB	2.2 μH,Choke [For CD-CH1000H Only]

CD-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
VARIABLE RESISTOR									
VR351	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [FM Mute Level]	C119,120	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
VARIABLE CAPACITORS					C121,122	VCKYPA1HB271K	J	AA	270 pF,50V
VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S	C123,124	VCTYPA1EX223K	J	AA	0.022 μF,25V
VD302,303	VHCSVC211C/-1	J	AG	Variable Capacitance,SVC211C [For CD-CH1000W Only]	C125,126	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
VIBRATORS					C127	VCKYPA1HB332K	J	AA	0.0033 μF,50V
X1	RCRSP0005AWZZ	J	AF	Crystal,16.934 MHz	C129,130	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz	C131	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz	C132	VCEAZA1CW227M	J	AC	220 μF,16V,Electrolytic
X901	RCRM-0038AFZZ	J	AD	Ceramic,600 MHz	C133	VCQYKA1HM393K	J	AB	0.039 μF,50V,Mylar
X902	RCRSP0011AWZZ	J	AC	Crystal,32.768 kHz	C134	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
XT21	RCRSP0010AWZZ	J	AH	Crystal,4.332 MHz [For CD-CH1000H Only]	C135	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
THERMISTOR					C137	VCQPKA2AA822J	J	AA	0.0082 μF,100V,Polypropylene
△ RP803	RH-QX0002AWZZ	J	AK	Posistor,0.7 ohms	C138	VCKYPU1HB332K	J	AA	0.0033 μF,50V
△ RP805	RH-QX0003AWZZ	J	AK	Posistor,2.2 ohms	C140,141	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
△ RP807	RH-QX0002AWZZ	J	AK	Posistor,0.7 ohms	C200	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
CAPACITORS					C201,202	VCCSPA1HL221J	J	AA	220 pF,50V
C1	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C203,204	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C2,3	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C205,206	VCCSPA1HL150J	J	AB	15 pF,50V
C4	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C207,208	VCFYHA1HA154J	J	AC	0.15 μF,50V,Thin Film
C5,6	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic	C209,210	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C7	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C211,212	VCQYKA1HM154K	J	AB	0.15 μF,50V,Mylar
C8	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C213,214	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C10	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C215,216	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C11	VCCSMN1HL150J	J	AA	15 pF,50V	C217,218	VCCCPA1HH101J	J	AA	100 pF (CH),50V
C12	VCCSMN1HL220J	J	AA	22 pF,50V	C219,220	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C13,14	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C221,222	VCQYKA1HM153K	J	AB	0.015 μF,50V,Mylar
C15~17	VCKYPA1HF473Z	J	AB	0.047 μF,50V	C223,224	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C18	VCQYKA1HM333J	J	AB	0.033 μF,50V,Mylar	C225,226	VCCCPA1HH221J	J	AA	220 pF (CH),50V
C19	VCKYPA1HF473Z	J	AB	0.047 μF,50V	C227,228	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C20	VCCSMN1HL470J	J	AA	47 pF,50V	C229,230	VCFYHA1HA154J	J	AC	0.15 μF,50V,Thin Film
C21	VCKYMN1HB102K	J	AA	0.001 μF,50V	C231,232	VCCSPA1HL221J	J	AA	220 pF,50V
C22	VCQYKA1HM333J	J	AB	0.033 μF,50V,Mylar	C233,234	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C23	VCTYMN1CY103K	J	AA	0.01 μF,16V	C235,236	VCCSPA1HL150J	J	AA	15 pF,50V
C24	VCTYMN1CX272K	J	AA	0.0027 μF,16V	C237,238	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C25	VCTYMN1CY103K	J	AA	0.01 μF,16V	C239,240	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C26	VCTYMN0JY153M	J	AA	0.015 μF,6.3V	C241,242	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C27	VCTYMN1CX472K	J	AA	0.0047 μF,16V	C243~246	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C28,29	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C247	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C30	VCEAZA1AW476M	J	AB	47 μF,10V,Electrolytic	C248	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C31	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic	C249	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C32,33	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C250	VCQYKA1HM223K	J	AB	0.022 μF,50V,Mylar
C34	VCCSMN1HL220J	J	AA	22 pF,50V	C251	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C36	VCCSMN1HL270J	J	AA	27 pF,50V	C252	RC-GZW228AF1H	J	AH	2200 μF,50V,Electrolytic
C37	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C253,254	RC-EZ0027AWZZ	J	AN	3300 μF,63V,Electrolytic
C38	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C255	RC-GZW228AF1H	J	AH	2200 μF,50V,Electrolytic
C39	VCCSMN1HL3R9C	J	AA	3.9 pF,50V	C256	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C40,41	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar	C257	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C42	VCTYMN1CX682K	J	AA	0.0068 μF,16V	C258	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C43	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C259	VCKYBT1HB103K	J		0.01 μF,50V [For CD-CH1000H Only]
C44	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic	C260	VCKYPA1HF103Z	J	AB	0.01 μF,50V [For CD-CH1000H Only]
C45	VCEAZA1AW477M	J	AC	470 μF,10V,Electrolytic	C261	VCKYBT1HB103K	J		0.01 μF,50V [For CD-CH1000H Only]
C46	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C262	VCKYPA1HF103Z	J	AB	0.01 μF,50V [For CD-CH1000H Only]
C47,48	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C263	VCKYBT1HB103K	J		0.01 μF,50V [For CD-CH1000H Only]
C49,50	VCTYPA1HF104Z	J	AB	0.1 μF,50V	C264	VCKYPA1HF103Z	J	AB	0.01 μF,50V [For CD-CH1000H Only]
C51	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C265	VCKYBT1HB103K	J		0.01 μF,50V [For CD-CH1000H Only]
C58~60	VCKYMN1HB101K	J	AA	100 pF,50V	C266	VCKYPA1HF103Z	J	AB	0.01 μF,50V [For CD-CH1000H Only]
C64,65	VCKYBT1HB102K	J	AA	0.001 μF,50V	C267	VCKYBT1HB103K	J		0.01 μF,50V [For CD-CH1000H Only]
C67	VCKYPA1HB102K	J	AA	0.001 μF,50V	C268	VCKYPA1HF103Z	J	AB	0.01 μF,50V [For CD-CH1000H Only]
C91,92	VCKYMN1HB471J	J	AB	470 pF,50V	C269	VCKYBT1HB103K	J		0.01 μF,50V [For CD-CH1000H Only]
C93~99	VCKYMN1HB101K	J	AA	100 pF,50V	C270	VCKYPA1HF103Z	J	AB	0.01 μF,50V [For CD-CH1000H Only]
C101,102	VCKYPA1HB181K	J	AA	180 pF,50V	C271	VCKYBT1HB103K	J		0.01 μF,50V [For CD-CH1000H Only]
C103	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic	C272~274	VCKYPA1HF103Z	J	AB	0.01 μF,50V [For CD-CH1000H Only]
C104,105	VCKYPA1HB561K	J	AA	560 pF,50V	C277~282	VCKYPA1HB102K	J	AA	0.001 μF,50V [For CD-CH1000H Only]
C106,107	VCTYPA1EX333K	J	AA	0.033 μF,25V	C301	VCKYCY1HB102K	J	AA	0.001 μF,50V
C108,109	VCCSPA1HL331J	J	AA	330 pF,50V	C302	VCKYCY1HB102K	J	AA	0.001 μF,50V [For CD-CH1000H Only]
C110,111	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C303	VCCCCY1HH100D	J	AA	10 pF (CH),50V [For CD-CH1000W Only]
C112,113	VCKYPA1HB561K	J	AA	560 pF,50V					
C116	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic					
C118	VCKYPA1HF223Z	J	AB	0.022 μF,50V					

CD-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C304	VCKYCY1HB103K	J	AA	0.01 μF,50V [For CD-CH1000W Only]
C305	VCCCCY1HH5R0C	J	AA	5 pF (CH),50V [For CD-CH1000W Only]
C306	VCKYBT1HB102K	J	AA	0.001 μF,50V [For CD-CH1000W Only]
C308	VCCCCY1HH5R0C	J	AA	5 pF (CH),50V [For CD-CH1000W Only]
C309	VCKYCY1HB102K	J	AA	0.001 μF,50V [For CD-CH1000W Only]
C310~312	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C313	VCCCCY1HH220J	J	AA	22 pF (CH),50V [For CD-CH1000W Only]
C314,315	VCKYCY1HB472K	J	AA	0.0047 μF,50V [For CD-CH1000W Only]
C316	VCKYCY1EF104Z	J	AA	0.1 μF,25V [For CD-CH1000W Only]
C317	VCKYCY1HB102K	J	AA	0.001 μF,50V [For CD-CH1000W Only]
C318	VCCCCY1HH101J	J	AA	100 pF (CH),50V [For CD-CH1000W Only]
C319	VCTYPA1EX104K	J	AB	0.1 μF,25V
C320	VCTYPA1EX473K	J	AA	0.047 μF,25V
C321	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C323	VCKYCY1EB223K	J	AB	0.022 μF,25V
C324	VCCCCY1HH4R0C	J	AA	4 pF (CH),50V [For CD-CH1000W Only]
C325	VCCCCY1HH150J	J	AA	15 pF (CH),50V [For CD-CH1000W Only]
C326	VCCCCY1HH180J	J	AA	18 pF (CH),50V [For CD-CH1000W Only]
C327	VCKYCY1EF104Z	J	AA	0.1 μF,25V [For CD-CH1000W Only]
C330	VCCCCY1HH180J	J	AA	18 pF (CH),50V
C331	VCKYPA1HF473Z	J	AB	0.047 μF,50V
C332	VCKYCY1EB223K	J	AB	0.022 μF,25V
C334	VCCCCY1HH180J	J	AA	18 pF (CH),50V
C335	VCCCCY1HH331J	J	AA	330 pF (CH),50V
C337	VCKYCY1EB223K	J	AB	0.022 μF,25V
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	VCKYCY1EB223K	J	AB	0.022 μF,25V
C343	VCCCCY1HH330J	J	AA	33 pF (CH),50V
C345~347	VCKYCY1EB223K	J	AB	0.022 μF,25V
C350	VCKYCY1CB473K	J	AA	0.047 μF,16V
C351	VCKYCY1EB223K	J	AB	0.022 μF,25V
C352	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C353,354	VCKYCY1EB223K	J	AB	0.022 μF,25V
C355	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C356	VCKYCY1HB102K	J	AA	0.001 μF,50V
C357	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C358	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C361	VCKYCY1EB223K	J	AB	0.022 μF,25V
C362	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C363	VCKYCY1EB223K	J	AB	0.022 μF,25V
C364	VCEAZA1HW475M	J	AB	4.7 μF,50V,Electrolytic
C365	VCKYCY1EB223K	J	AB	0.022 μF,25V
C366	VCKYCY1HB102K	J	AA	0.001 μF,50V
C367,368	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C370~372	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C373,374	VCKYCY1EB223K	J	AB	0.022 μF,25V [For CD-CH1000H]
C373,374	VCKYCY1HB153K	J	AA	0.015 μF,50V [For CD-CH1000W]
C380	VCEAZA1HW106M	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	VCKYCY1EB223K	J	AB	0.022 μF,25V
C389,390	VCKYCY1HB102K	J	AA	0.001 μF,50V
C391	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C392	VCKYCY1HB102K	J	AA	0.001 μF,50V
C393	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C394	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C395	VCKYCY1EB223K	J	AB	0.022 μF,25V
C396	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C397	VCKYCY1EB223K	J	AB	0.022 μF,25V
C398	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C399	VCKYCY1EB223K	J	AB	0.022 μF,25V
C501,502	VCKYCY1HB102K	J	AA	0.001 μF,50V
C503	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic

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C509,510	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C511~514	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
C515,516	VCFYHA1HA272J	J		0.0027 μF,50V,Thin,Film
C517~528	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C529,530	VCEAZA1HW106M	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	VCEAZA1HW106M	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	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C564	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C566	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C573,574	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C597,598	VCKYCY1HB272K	J	AA	0.0027 μF,50V
C599	VCKYCY1HB102K	J	AA	0.001 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	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C710,711	VCCCPA1HH101J	J	AA	100 pF (CH),50V
C712	VCKYBT1HB102K	J	AA	0.001 μF,50V
C713	VCKYPA1HB102K	J	AA	0.001 μF,50V
C714	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C715	VCTYPA1CX104K	J	AB	0.1 μF,16V
C716	VCEAEA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C807	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C810	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C814	VCEAZA1EW476M	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
C819	VCEAZV1EW477M	J		470 μF,25V,Electrolytic
C820	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C821	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic
C822	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C823	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C824	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C825	VCEAZA0JW108M	J	AC	1000 μF,6.3V,Electrolytic
C826,827	VCFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
C830	VCEAZV1VW477M	J	AD	470 μF,35V,Electrolytic
C831~834	VCFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
C835	VCQYKA1HM473K	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	VCEAZA1CW227M	J	AC	220 μF,16V,Electrolytic
C839	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C840	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C901	VCEAZA0JW108M	J	AC	1000 μF,6.3V,Electrolytic
C902	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C903	VCEAZA1HW104M	J	AB	0.1 μF,50V,Electrolytic
C904	VCKYCY1HB103K	J	AA	0.01 μF,50V
C905	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C906	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C907	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C912	VCEAZA1CW476M	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
C925,926	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
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
C957	VCCCCY1HH151J	J	AA	150 pF (CH),50V
C958	VCKYCY1HB391K	J	AA	390 pF,50V
C964	VCTYPA1HF104Z	J	AB	0.1 μF,50V
C970	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C974	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C975	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C976	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C977,978	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C995	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C998	RC-GZA226AF1A	J	AB	22 μF,10V,Electrolytic
C999	VCKYCY1HB681K	J	AA	680 pF,50V
C1001,1002	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C1003	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic	R126,127	VRD-ST2CD153J	J	AA	15 kohms,1/6W
C1004,1005	VCKYCY1EF104Z	J	AA	0.1 μF,25V	R128	VRD-ST2CD683J	J	AA	68 kohms,1/6W
C1006	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic	R129,130	VRD-ST2CD102J	J	AA	1 kohm,1/6W
C1007,1008	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	R131	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
CT21	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic [For CD-CH1000H Only]	R132,133	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
CT22	VCKYCY1CB223K	J	AA	0.022 μF,16V [For CD-CH1000H Only]	R134,135	VRD-ST2CD101J	J	AA	100 ohm,1/6W
CT23	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic [For CD-CH1000H Only]	R136~138	VRD-ST2CD103J	J	AA	10 kohm,1/6W
CT24	VCKYCY1EB223K	J	AB	0.022 μF,25V [For CD-CH1000H Only]	R139	VRD-ST2CD223J	J	AA	22 kohms,1/6W
CT25	VCKYCY1HB561K	J	AA	560 pF,50V [For CD-CH1000H Only]	R141	VRD-ST2CD473J	J	AA	47 kohms,1/6W
CT26,27	VCCCCY1HH220J	J	AA	22 pF (CH),50V [For CD-CH1000H Only]	R143	VRD-ST2EE820J	J	AA	82 ohms,1/4W
CT28	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic [For CD-CH1000H Only]	R144	VRD-ST2EE221J	J	AA	220 ohms,1/4W
CT29	VCKYCY1CB223K	J	AA	0.022 μF,16V [For CD-CH1000H Only]	R147	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
CT36	VCKYCY1CB223K	J	AA	0.022 μF,16V [For CD-CH1000H Only]	R148	VRD-ST2CD4R7J	J	AA	4.7 ohms,1/6W
CT37	VCKYCY1EF104Z	J	AA	0.1 μF,25V [For CD-CH1000H Only]	R149	VRD-ST2CD153J	J	AA	15 kohms,1/6W
RESISTORS					R150	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory	R153,154	VRD-ST2CD473J	J	AA	47 kohms,1/6W
	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green	R155,156	VRD-ST2CD333J	J	AA	33 kohms,1/6W
△ FR213,214	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible	R200	VRD-ST2EE101J	J	AA	100 ohm,1/4W
△ FR251,252	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible	R201,202	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R6	VRD-ST2EE121J	J	AA	120 ohms,1/4W	R203,204	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R7~13	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R205,206	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R14	VRD-ST2CD820J	J	AA	82 ohms,1/6W	R207	VRD-RT2HD120J	J	AA	12 ohms,1/2W
R15	VRD-MN2BD121J	J	AA	120 ohms,1/8W	R209,210	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R16	VRD-MN2BD101J	J	AA	100 ohm,1/8W	R211,212	VRD-ST2CD183J	J	AA	18 kohms,1/6W
R17	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R213	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R18	VRD-MN2BD101J	J	AA	100 ohm,1/8W	R215,216	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R19	VRD-MN2BD105J	J	AA	1 Mohm,1/8W	R217,218	VRD-ST2CD183J	J	AA	18 kohms,1/6W
R21	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W	R219,220	VRN-VV3DAR22J	J	AC	0.22 ohms,2W
R25	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W	R221,222	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R27	VRD-ST2CD473J	J	AA	47 kohms,1/6W	R223,224	VRN-VV3AAR10J	J	AB	0.1 ohm,1W
R28	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R225,226	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R29	VRD-MN2BD104J	J	AA	100 kohm,1/8W	R227,228	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R30	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W	R229,230	VRN-VV3DAR22J	J	AC	0.22 ohms,2W
R31	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R231,232	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R32	VRD-MN2BD153J	J	AA	15 kohms,1/8W	R233,234	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R35	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R235,236	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R36	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W	R237,238	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R37	VRD-MN2BD333J	J	AA	33 kohms,1/8W	R239,240	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R38	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R241,242	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R39	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R243,244	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R40	VRD-MN2BD101J	J	AA	100 ohm,1/8W	R245,246	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R41	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W	R247,248	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R42	VRD-MN2BD563J	J	AA	56 kohms,1/8W	R249,250	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R43	VRD-MN2BD821J	J	AA	820 ohms,1/8W	R251	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R44	VRD-MN2BD683J	J	AA	68 kohms,1/8W	R253	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R45	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W	R254	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R46	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W	R255,256	VRN-VV3AAR10J	J	AB	0.1 ohm,1W
R47	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R257,258	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R48	VRD-ST2EE100J	J	AA	10 ohm,1/4W	R259,260	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R49,50	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W	R261~264	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R51	VRD-MN2BD683J	J	AA	68 kohms,1/8W	R265,266	VRD-RT2HD4R7J	J	AA	4.7 ohms,1/2W
R53	VRD-MN2BD683J	J	AA	68 kohms,1/8W	R267~270	VRD-RT2HD331J	J	AA	330 ohms,1/2W
R54	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R271,272	VRD-RT2HD4R7J	J	AA	4.7 ohms,1/2W
R55,56	VRD-MN2BD683J	J	AA	68 kohms,1/8W	R273~276	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R57	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R277	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R71,72	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R278	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R73,74	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W	R280	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R75,76	VRD-ST2CD103J	J	AA	10 kohm,1/6W	R281	VRD-RT2HD120J	J	AA	12 ohms,1/2W
R77,78	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W	R283	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R91,92	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R284	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R101	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R285~292	VRD-ST2EE6R8J	J	AA	6.8 ohms,1/4W [For CD-CH1000H Only]
R102,103	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R297,298	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R104	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W	R299	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R105	VRD-ST2CD101J	J	AA	100 ohm,1/6W	R302	VRD-ST2CD100J	J	AA	10 ohm,1/6W [For CD-CH1000W Only]
R109	VRD-ST2CD153J	J	AA	15 kohms,1/6W	R309	VRD-ST2CD103J	J	AA	10 kohm,1/6W [For CD-CH1000W Only]
R114,115	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R311	VRS-CY1JB104J	J	AA	100 kohm,1/16W [For CD-CH1000W Only]
R116,117	VRD-ST2CD560J	J	AA	56 ohms,1/6W	R313	VRS-CY1JB333J	J	AA	33 kohms,1/16W [For CD-CH1000W Only]
R118,119	VRD-ST2CD104J	J	AA	100 kohm,1/6W	R314	VRD-ST2CD220J	J	AA	22 ohms,1/6W [For CD-CH1000W Only]
R120,121	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W	R322	VRS-CY1JB681J	J	AA	680 ohms,1/16W [For CD-CH1000W Only]
R124,125	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W	R323	VRS-CY1JB683J	J	AA	68 kohms,1/16W
					R325	VRS-CY1JB473J	J	AA	47 kohms,1/16W [For CD-CH1000W Only]
					R327	VRD-ST2CD330J	J	AA	33 ohms,1/6W [For CD-CH1000W Only]
					R336	VRD-ST2CD103J	J	AA	10 kohm,1/6W

CD-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R344	VRD-ST2CD471J	J	AA	470 ohms,1/6W [For CD-CH1000H Only]	R735,736	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R345	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W	R741	VRD-ST2CD151J	J	AA	150 ohms,1/6W
R346	VRS-CY1JB331J	J	AA	330 ohms,1/16W [For CD-CH1000H Only]	R743,744	VRD-ST2CD151J	J	AA	150 ohms,1/6W
R347	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W [For CD-CH1000H Only]	R747	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R348	VRS-CY1JB681J	J	AA	680 ohms,1/16W [For CD-CH1000H Only]	R748	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R349	VRD-ST2CD330J	J	AA	33 ohms,1/6W [For CD-CH1000H Only]	R749	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R350	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W	R750	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R351	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W	R752-754	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R352	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R755-757	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R353	VRS-CY1JB271J	J	AA	270 ohms,1/16W	R758-760	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R354	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W	R761	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R355	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W	R762	VRS-CY1JB682J	J	AA	6.8 kohms,1/16W
R356	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R763	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W
R357	VRS-CY1JB474J	J	AA	470 kohms,1/16W	R764-766	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R358	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W	R768	VRD-RT2HD2R2J	J	AA	2.2 ohms,1/2W
R359	VRS-CY1JB182J	J	AA	1.8 kohms,1/16W	R769-771	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R360	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W	R772	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R361,362	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W [For CD-CH1000H]	R773-775	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R361,362	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W [For CD-CH1000W]	R776	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R363,364	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W	R777-779	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R369	VRD-ST2CD820J	J	AA	82 ohms,1/6W [For CD-CH1000H]	R780	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R369	VRD-ST2EE821J	J	AA	820 ohms,1/4W [For CD-CH1000W]	R781-783	VRD-ST2CD183J	J	AA	18 kohms,1/6W
R370	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R785	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R371	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W	R787	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R372-374	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R788	VRD-ST2EE820J	J	AA	82 ohms,1/4W
R376	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R791,792	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R377	VRS-CY1JB473J	J	AA	47 kohms,1/16W	R803	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R378	VRS-CY1JB823J	J	AA	82 kohms,1/16W	R806,807	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R379	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W	R813	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R380	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W	R814	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R381	VRS-CY1JB103J	J	AA	10 kohm,1/16W	R815	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W	R820,821	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R383-385	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W	R822	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R389	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W	R828,829	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R391,392	VRD-ST2EE271J	J	AA	270 ohms,1/4W [For CD-CH1000H]	R830	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W [For CD-CH1000W]	R834,835	VRD-RT2HD560J	J	AA	56 ohms,1/2W
R393	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R836	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R395	VRS-CY1JB473J	J	AA	47 kohms,1/16W	R901-903	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R399	VRD-ST2CD103J	J	AA	10 kohm,1/6W	R904	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R501,502	VRD-ST2CD331J	J	AA	330 ohms,1/6W	R905,906	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R503,504	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W	R907	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R507	VRS-CY1JB223J	J	AA	22 kohms,1/16W	R908	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R511,512	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W	R910-913	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R513,514	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W	R914-917	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R524-526	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R918-921	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R527,528	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W	R927	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R529-534	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W	R928	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R535,536	VRS-CY1JB473J	J	AA	47 kohms,1/16W	R932,933	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R537,538	VRS-CY1JB102J	J	AA	1 kohm,1/16W	R934	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R539,540	VRS-CY1JB103J	J	AA	10 kohm,1/16W	R935,936	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R541,542	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W	R941	VRS-CY1JB334J	J	AA	330 kohms,1/16W
R543,544	VRS-CY1JB473J	J	AA	47 kohms,1/16W	R943,944	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R547,548	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W	R945	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R549,550	VRS-CY1JB393J	J	AA	39 kohms,1/16W	R946-948	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R551,552	VRS-CY1JB473J	J	AA	47 kohms,1/16W	R949	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R582	VRS-CY1JB223J	J	AA	22 kohms,1/16W	R953,954	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R591,592	VRS-CY1JB473J	J	AA	47 kohms,1/16W	R955-959	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R701-706	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R960	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R707,708	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W	R962,963	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R710,711	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W	R965,966	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R712	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R967	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R713-715	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R968-970	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R718,719	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R971	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R720,721	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W	R972	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R723	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W	R974	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R724	VRD-ST2CD151J	J	AA	150 ohms,1/6W	R976-981	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R726	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R982	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R727	VRD-ST2CD151J	J	AA	150 ohms,1/6W	R984-988	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R728,729	VRD-ST2CD153J	J	AA	15 kohms,1/6W	R989	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R732	VRD-ST2CD151J	J	AA	150 ohms,1/6W	R990	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R733	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W	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
					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

CD-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R1013	VRD-ST2CD473J	J	AA	47 kohms,1/6W	CNP203	92LCONE5P5268	J	AD	Plug,5Pin
R1014	VRS-CY1JB104J	J	AA	100 kohm,1/16W	CNP204	92LCONE2P53254	J	AB	Plug,2Pin
R1015	VRS-CY1JB821J	J	AA	820 ohms,1/16W	CNP207	92LCONE4P53254	J	AC	Plug,4Pin
R1016,1017	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP301	92LCONE2P5268	J	AB	Plug,2Pin [For CD-CH1000H Only]
R1022	VRS-CY1JB473J	J	AA	47 kohms,1/16W	CNP303	92LCONE3P5268	J	AC	Plug,3Pin [For CD-CH1000W Only]
R1023	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP701	QCNCWZG05AWZZ	J	AB	Socket,5Pin
R1024	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP721	92LCONE6P53254	J	AC	Plug,6Pin
R1026,1027	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP775	92LCONE2P53253	J	AB	Plug,2Pin
R1028	VRS-CY1JB273J	J	AA	27 kohms,1/16W	CNP801	QCNCM049BAWZZ	J	AD	Plug,2Pin [For CD-CH1000H]
R1031,1032	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP801	QCNCM049EAWZZ	J	AD	Plug,5Pin [For CD-CH1000W]
R1033	VRS-CY1JB103J	J	AA	10 kohm,1/16W [For CD-CH1000W Only]	CNP802	QCNCM051EAWZZ	J	AD	Plug,5Pin
R1035,1036	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W	CNP803	QCNCM035CAWZZ	J	AB	Plug,3Pin
R1040	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP805	92LCONE6P5268	J	AC	Plug,6Pin
R1044	VRS-CY1JB223J	J	AA	22 kohms,1/16W	CNP806	QCNCM010QAWZZ	J	AD	Plug,15Pin
R1046	VRS-CY1JB123J	J	AA	12 kohms,1/16W	CNP807	QCNCM010HAWZZ	J	AC	Plug,8Pin
R1048	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP901	QCNCWZF33AWZZ	J	AF	Socket,33Pin
R1050~1052	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP931	92LCONPB11BPHK	J	AC	Plug,11Pin
R1053~1057	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP933	92LCONE5P53253	J	AB	Plug,5Pin
R1058	VRS-CY1JB104J	J	AA	100 kohm,1/16W	CNP934	92LCONE7P53253	J	AC	Plug,7Pin
R1060	VRS-CY1JB104J	J	AA	100 kohm,1/16W	CNP935	92LCONPB6BPHK	J	AB	Plug,6Pin
R1065,1066	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CNP970	QCNCWZG11AWZZ	J	AD	Socket,11Pin
R1068	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CNP975	92LCONPB2BPHK	J	AB	Plug,2Pin
R1071,1072	VRD-ST2CD333J	J	AA	33 kohms,1/6W	CNS4	QCNCWZG11AWZZ	J	AD	Connector Ass'y,4Pin
R1081,1082	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W	CNS5A/B	QCNCWZG11AWZZ	J	AG	Connector Ass'y,8/8Pin
R1084~1090	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W	CNS6A/B	QCNCWZG11AWZZ	J	AF	Connector Ass'y,6/6Pin
R1092~1094	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W	CNS7A/B	QCNCWZG11AWZZ	J	AF	Connector Ass'y,7/7Pin
R1099	VRD-ST2CD473J	J	AA	47 kohms,1/6W	CNS200	QCNCWZG11AWZZ	J	AC	Connector Ass'y,2Pin
R1105	VRD-ST2CD103J	J	AA	10 kohm,1/6W	COR801	RCORF0015AWZZ	J	AB	Core
R1106~1109	VRS-CY1JB103J	J	AA	10 kohm,1/16W	CORE1	RCORF0015AWZZ	J	AB	Core
R1112,1113	VRS-CY1JB123J	J	AA	12 kohms,1/16W	△ F801	92LFUSET202E	J	AC	Fuse,T2A L 250V
R1118,1119	VRS-CY1JB102J	J	AA	1 kohm,1/16W	△ F803,804	92LFUSET502E	J	AC	Fuse,T5A L 250V
R1124	VRS-CY1JB103J	J	AA	10 kohm,1/16W	△ F805,806	92LFUSET402E	J	AD	Fuse,T4A L 250V
R1126	VRS-CY1JB103J	J	AA	10 kohm,1/16W	△ F807	92LFUSET312E	J	AD	Fuse,T3.15A L 250V [For CD-CH1000H Only]
R1129,1130	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W	△ F808	92LFUSET202E	J	AC	Fuse,T2A L 250V
R1131,1132	VRS-CY1JB221J	J	AA	220 ohms,1/16W	FE301	RTUNS0016AWZZ	J	AX	FM Front End [For CD-CH1000H Only]
R1133	VRD-ST2CD471J	J	AA	470 ohms,1/6W	FFC901	QCNCWZG11AWZZ	J	AF	Flat Cable,33Pin
R1138,1139	VRS-CY1JB564J	J	AA	560 kohms,1/16W	FFC970	QCNCWZG11AWZZ	J	AE	Flat Cable,11Pin
R1141	VRD-ST2CD102J	J	AA	1 kohm,1/6W	FW2	QCNCWZG11AWZZ	J	AD	Flat Wire,8Pin
RA710,711	VRD-ST2CD151J	J	AA	150 ohms,1/6W	FW3	QCNCWZG11AWZZ	J	AC	Flat Wire,4Pin
RT26	VRS-CY1JB102J	J	AA	1 kohm,1/16W [For CD-CH1000H Only]	JK501	92LJACKL1776A	J	AF	Jack,AUX IN
RT28~30	VRS-CY1JB102J	J	AA	1 kohm,1/16W [For CD-CH1000H Only]	JK701	QJAKM0010AWZZ	J	AF	Jack,Headphones
RT32	VRS-CY1JB103J	J	AA	10 kohm,1/16W [For CD-CH1000H Only]	JOJ701	QSW-Z0011AWZZ	J	AG	Switch,Push Type [Jog Dial]
RT33,34	VRS-CY1JB563J	J	AA	56 kohms,1/16W [For CD-CH1000H Only]	LCD720	RUNTZ0020AWZZ	J	BC	LCD Display
RT35~37	VRS-CY1JB224J	J	AA	220 kohms,1/16W [For CD-CH1000H Only]	MO200	RMOTV0027AWZZ	J	AM	Motor,Air Cooling Fan
RT39	VRS-CY1JB224J	J	AA	220 kohms,1/16W [For CD-CH1000H Only]	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,FM Antenna [For CD-CH1000H Only]
					△ SO801	QSOCE0008AWZZ	J	AH	Switch,Slide Type [Voltage Selector] [For CD-CH1000W Only]
					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 [Record Pause]

OTHER CIRCUITRY PARTS

BI12/CNS12	QCNCWZG11AWZZ	J	AF	Connector Ass'y,2/2Pin
BI201A/B	QCNCWZG11AWZZ	J	AF	Connector Ass'y,8/8Pin
BI701/CNS701	QCNCWZG11AWZZ	J	AF	Connector Ass'y,6/6Pin
BI703A/B	QCNCWZG11AWZZ	J	AD	Connector Ass'y,2/2Pin
BI720/CNS720	QCNCWZG11AWZZ	J	AH	Connector Ass'y,11/11Pin
BI730/CNS730	QCNCWZG11AWZZ	J	AE	Connector Ass'y,4/4Pin
BI740A/B	QCNCWZG11AWZZ	J	AE	Connector Ass'y,3/3Pin
BI741/CNS741	QCNCWZG11AWZZ	J	AG	Connector Ass'y,5/5Pin
BI770/CNS770	QCNCWZG11AWZZ	J	AG	Connector Ass'y,7/7Pin
BI771A/B	QCNCWZG11AWZZ	J	AE	Connector Ass'y,4/4Pin
BI772/CNS772	QCNCWZG11AWZZ	J	AG	Connector Ass'y,6/6Pin
BI773/CNS773	QCNCWZG11AWZZ	J	AD	Connector Ass'y,2/2Pin
BI804/CNS804	QCNCWZG11AWZZ	J	AE	Connector Ass'y,6/6Pin
BI808/CNS808	QCNCWZG11AWZZ	J	AE	Connector Ass'y,5/5Pin
BI940/CNS940	QCNCWZG11AWZZ	J	AF	Connector Ass'y,8/8Pin
BI950	QCNCWZG11AWZZ	J	AD	Socket,8Pin
BI960	QCNCWZG11AWZZ	J	AE	Socket,15Pin
CNP1	QCNCWZG11AWZZ	J	AF	Socket,33Pin
CNP2	QCNCWZG11AWZZ	J	AC	Socket,8Pin
CNP3	QCNCWZG11AWZZ	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

CD-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SW751	92LSWICH1401AT	J	AC	Switch,Key Type [Clear]
SW752	92LSWICH1401AT	J	AC	Switch,Key Type [Memory]
SW753	92LSWICH1401AT	J	AC	Switch,Key Type [Fast Reverse]
SW755	92LSWICH1401AT	J	AC	Switch,Key Type [Fast Forward]
SW756	92LSWICH1401AT	J	AC	Switch,Key Type [Play/Pause]
SW758	92LSWICH1401AT	J	AC	Switch,Key Type [Stop]
SW761	92LSWICH1401AT	J	AC	Switch,Key Type [AUX]
SW762	92LSWICH1401AT	J	AC	Switch,Key Type [Tuner]
SW763	92LSWICH1401AT	J	AC	Switch,Key Type [Tape]
SW764	92LSWICH1401AT	J	AC	Switch,Key Type [CD]
SW772	92LSWICH1401AT	J	AC	Switch,Key Type [Equalizer Mode]
SW773	92LSWICH1401AT	J	AC	Switch,Key Type [X-BASS]
SW778	92LSWICH1401AT	J	AC	Switch,Key Type [Enter]
SW783	92LSWICH1401AT	J	AC	Switch,Key Type [Play Mode]
SW784	92LSWICH1401AT	J	AC	Switch,Key Type [Display]
SW786	92LSWICH1401AT	J	AC	Switch,Key Type [Menu]
SW901	QSW-S0024AWZZ	J	AE	Switch,Slide Type [Span Selector] [For CD-CH1000W Only]
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]
UNA902	VHPGP1F32T/-1	J	AP	Optical Fiber Data Link,GP1F32T

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	XBSSD20P03000	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]

CHANGER MECHANISM PARTS

101	LCHSM0106AWZZ	J	AQ	Main Base
102	PGIDM0033AWZZ	J	AH	Change Box,Left
103	PGIDM0034AWZZ	J	AG	Change Box,Right
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,Motor 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	XHBSD20P05000	J	AA	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

CABINET PARTS

201	92LCAB3436AASY	J	—	Front Panel Ass'y
201- 1	—	—	—	Front Panel (Not Replacement Item)
201- 2	GDORF0081AWSA	J	AD	Door,Changer 1
201- 3	GDORF0084AWSA	J	AD	Door,Changer 2
201- 4	GDORF0085AWSA	J	AD	Door,Changer 3
201- 5	GDORF0086AWSA	J	AD	Door,Changer 4
201- 6	GDORF0087AWSA	J	AD	Door,Changer 5
201- 7	GDORF0088AWSA	J	AD	Door,Changer 6
201- 8	HDECQ0597AWSA	J	AK	Panel,Changer Door
201- 9	HDECQ0626AWSA	J	AN	Center Window
201-10	MLOKC0005AWZZ	J	AC	Cassette Lock
201-11	JKNBZ0724AWSA	J	AF	Button,Power
201-12	JKNBZ0726AWSA	J	AG	Button,CD Play
201-13	JKNBZ0735AWSA	J	AF	Button,Control Eject
201-14	JKNBZ0741AWSA	J	AK	Button,CD Eject
201-15	LHLDZ1271AWSA	J	AD	Holder,Changer Door
201-16	LHLDZ1276AWZZ	J	AC	Holder,Cassette Lock
201-17	MLIFP0008AWZZ	J	AD	Damper
201-18	MSPRC0029AWFJ	J	AB	Spring,Cassette Lock
201-19	MSPRD0140AWFJ	J	AC	Spring,Cassette Up
201-20	MSPRD0141AWFJ	J	AB	Spring,Changer Door
201-21	PCOVA1323AWSA	J	AB	Cover,Remote Sensor
201-22	PCUSG0053AWSA	J	AB	Cushion,Center Panel
202	92LCAB3435BASY	J	—	Side Panel Ass'y,Left
202- 1	—	—	—	Side Panel,Left (Not Replacement Item)
202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg,Left
203	92LCAB3435CASY	J	—	Side Panel Ass'y,Right
203- 1	—	—	—	Side Panel,Right (Not Replacement Item)
203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg,Right
204	GCAB-1188AWSA	J	AN	Top Cabinet
205	92LPNL3435AASY	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	GDORF0082AWSA	J	AQ	Control Panel B
205- 5	HDECQ0601AWSA	J	AM	Decoration Plate,Outer Window
205- 6	HDECQ0602AWSA	J	AG	Outer Window

CD-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
205- 7	HDECQ0603AWSA	J	AG	Inner Window
205- 8	HDECQ0604AWSA	J	AG	Ring,Jog Knob
205- 9	JKNBZ0727AWSA	J	AH	Button,Function
205-10	JKNBZ0728AWSA	J	AH	Button,Control
205-11	JKNBZ0730AWSA	J	AG	Button,Play Mode
205-12	JKNBZ0731AWSA	J	AG	Button,Menu
205-13	JKNBZ0732AWSA	J	AE	Button,Enter
205-14	MSPRD0142AWFJ	J	AD	Spring,Control Panel
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	GITAR0609AWSA	J		Rear Panel [For CD-CH1000W]
207	GITAR0611AWSA	J	AP	Rear Panel [CD-CH1000H (Except for U.K.)]
207	GITAR0644AWSA	J		Rear Panel [CD-CH1000H for U.K.]
208	HDECQ0605AWSA	J	AP	Decoration Plate,Display Window [For CD-CH1000W]
208	HDECQ0634AWSA	J	AQ	Decoration Plate,Display Window [For CD-CH1000H]
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	LANGK0226AWFW	J		Bracket,Panel Support,Left
214	LANGK0227AWFW	J		Bracket,Panel Support,Right
215	LANGT0042AWFW	J	AC	Bracket,Power PWB/Main PWB
216	LBSHC0002AWZZ	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
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	PSLDM3076AWFW	J		Shield Plate,Phone
238	PSPAS0003AWZZ	J	AC	Spacer,Fan Motor Support Bracket
△ 239	QACCA0003AW00	J	AL	AC Power Supply Cord [For CD-CH1000W]
△ 239	QACCB0006AW00	J	AU	AC Power Supply Cord [For CD-CH1000W]
△ 239	QACCB0009AW00	J	AL	AC Power Supply Cord [For CD-CH1000H]
△ 239	QACCE0008AW00	J	AG	AC Power Supply Cord [For CD-CH1000W]
△ 239	QACCL0005AW00	J	AN	AC Power Supply Cord [For CD-CH1000W]
△ 239	QACCZ0007AW00	J	AP	AC Power Supply Cord [For CD-CH1000W]
△ 240	QFSDH0001AWZZ	J	AB	Holder,Fuse
241	92LCSPR1431C	J	AA	Spring,Fan Ring
250	KMECB0015AWZZ	J	BB	Tape Mechanism Ass'y
250- 1	92PF513-869	J		Head Plate Block
250- 2	92PF525-332	J		Motor with Pulley [Tape]
250- 3	92PF567-648	J		Tape Mechanism PWB Ass'y
250- 4	92PFF19U-	J		Belt,Main
250- 5	92PFF514-135	J		Pinch Roller
250- 6	92PFF19S-	J		Belt,FF/REW
250- 7	92PFD58M-XX	J		Gear,Cam
250- 8	92PF765-286	J		Solenoid
251	92LLUG1746A	J	AA	Lug,Terminal
252	LANGK0210AWFW	J	AB	Bracket,Headphones Support
253	GCOVA1314AWSA	J	AF	Cover,Changer Door Panel, Bottom
254	GCOVA1315AWSA	J	AL	Cover,Cassette Holder
255	JKNBK0080AWSA	J	AG	Knob,Jog
256	PSHEM0010AWZZ	J		Shield Sheet,Tape Head
257	MSPRZ0010AWFJ	J		Spring,Display PWB
258	PSHEM0009AWZZ	J		Earth Sheet,Display PWB
259	PSHEP0040AWZZ	J	AG	Sheet,LCD

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
260	LHLDZ1263AWZZ	J	AE	Holder,LCD
261	PSPAZ0025AWZZ	J		Spacer,LCD PWB
262	LHLDZ1272AWZZ	J	AC	Holder,Switch
263	GDORF0080AWSA	J	AG	Cassette Holder
264	92LCAUT1706A1	J	AC	Label,Class 3
265	92LCAUT1706B	J	AA	Label,Laser
266	PCOVZ1016AWZZ	J		Cover,AC Protection
267	LHLDZ1265AWZZ	J	AC	Holder,LED,A
268	LHLDZ1266AWZZ	J	AC	Holder,LED,B
269	LHLDZ1267AWZZ	J	AD	Holder,LED,C
270	LHLDZ1268AWZZ	J	AC	Holder,LED,D
271	LHLDZ1005AWZZ	J	AC	Holder,Soft,Left
272	LHLDZ1006AWZZ	J	AC	Holder,Soft,Right
274	QCNWN1730AWZZ	J		Lug Wire
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	XJBSD30P10000	J	AA	Screw,ø3×10mm
618	XJBSD30P16000	J	AA	Screw,ø3×16mm
619	XJSSD30P10000	J	AA	Screw,ø3×10mm
620	XWHS32-10130	J	AA	Washer,ø3.2×ø13×1.0mm

ACCESSORIES/PACKING PARTS

1	QANTL0005AWZZ	J	AG	AM Loop Antenna [For CD-CH1000H Only]
1	QANTL0007AWZZ	J	AK	AM/FM Loop Antenna [For CD-CH1000W Only]
2	SPAKA0268AWZZ	J		Packing Add.,Front/Rear
3	SPAKC1043AWZZ	J	AY	Packing Case [CD-CH1000H (Except for U.K.)]
3	SPAKC1044AWZZ	J		Packing Case [For CD-CH1000W]
3	SPAKC1079AWZZ	J		Packing Case [CD-CH1000H for U.K.]
4	SSAKA0007AWZZ	J	AB	Polyethylene Bag,Accessories
5	SSAKH0038AWZZ	J	AE	Polyethylene Bag,Unit
6	TGAN-3170UMZZ	J	AE	Resistration Card [CD-CH1000H for U.K. Only]
7	TINSE0318AWZZ	J	AF	Operation Manual [CD-CH1000H for U.K.]
7	TINSZ0583AWZZ	J	AR	Operation Manual [CD-CH1000H (Except for U.K.)]
7	TINSZ0584AWZZ	J	AP	Operation Manual [For CD-CH1000W]
8	TINSE0321AWZZ	J	AC	Quick Guide [CD-CH1000H for U.K. Only]
9	TLABE0430AWZZ	J		Label,Bar Code [For CD-CH1000H]
9	TLABE0431AWZZ	J		Label,Bar Code [For CD-CH1000W]
9	TLABE0467AWZZ	J		Label,Bar Code [For CD-CH1000W]
9	TLABR1145AWZZ	J		Label,Bar Code [For CD-CH1000W]
10	TLABZ0605AWZZ	J	AB	Label,Saving Energy [For CD-CH1000H]
10	TLABZ0620AWZZ	J	AB	Label,Saving Energy [For CD-CH1000W]
11	TLABZ0821AWZZ	J		Label,Feature,CD Changer [CD-CH1000W (Except for Australia/New Zealand)]
11	TLABZ0822AWZZ	J		Label,Feature,CD Changer [CD-CH1000H (Except for U.K.)]
11	TLABZ0823AWZZ	J		Label,Feature,CD Changer [CD-CH1000H for U.K./CD- CH1000W for Australia/New Zealand]
12	92LBAG1770A	J	AB	Polyethylene Bag,AC Power Supply Cord

CD-CH1000H/CD-CH1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
13	92LFANT1535A	J	AF	FM Antenna [For CD-CH1000H Only]
14	RRMCG0243AWSA	J	AU	Remote Control [For CD-CH1000H]
14	RRMCG0249AWSA	J		Remote Control [For CD-CH1000W]
15	GFTAB1030AWSA	J		Battery Lid, Remote Control
15	QPLGA0003AWZZ	J	AF	AC Plug Adaptor [For CD-CH1000W Only]
15	QPLGA0004AWZZ	J	AF	AC Plug Adaptor [For CD-CH1000W Only]
16	TLABG0002AWZZ	J	AB	Label, Hong Kong [CD-CH1000W for Hong Kong Only]
17	TLABS0275AWZZ	J		Label, Safety [CD-CH1000W for Hong Kong Only]
18	92LBAG760C	J	AA	Polyethylene Bag, AC Plug Adaptor [For CD-CH1000W Only]
19	92LGCARD1266E1	J	AC	Warranty Card [CD-CH1000W for Australia/ New Zealand Only]
20	92LLABL1204C	J	AA	Label, MADE IN MALAYSIA [For CD-CH1000W Only]
20	92LLABL1507B	J	AA	Label, Made in Malaysia [For CD-CH1000W Only]
20	92LPANEL713A	J	AB	Panel, Made in Malaysia [For CD-CH1000W Only]

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

PWB-A	92LPWB3436MANS	J	—	Main [For CD-CH1000H]
PWB-A	92LPWB3437MANS	J	—	Main [For CD-CH1000W]
PWB-B1-9	92LPWB3436DPLS	J	—	Display/LED A/LED B/CD Switch/Control/Jog/Motor/Switch/Headphones (Combined Ass'y) [For CD-CH1000H]
PWB-B1-9	92LPWB3437DPLS	J	—	Display/LED A/LED B/CD Switch/Control/Jog/Motor/Switch/Headphones (Combined Ass'y) [For CD-CH1000W]
PWB-C	92LPWB3436CDUS	J	—	CD Servo
PWB-D1-3	92LPWB3436PWRS	J	—	Power/Sub Trans/Speaker (Combined Ass'y) [For CD-CH1000H]
PWB-D1-3	92LPWB3437PWRS	J	—	Power/Sub Trans/Speaker (Combined Ass'y) [For CD-CH1000W]
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	92PF567-648	J	—	Tape Mechanism

OTHER SERVICE PARTS

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

CP-RW5000H/CP-RW5000W

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	92LP5890	J		Label, Specifications [CP-RW5000H]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
714	92LP5891	J		Label, Specifications [CP-RW5000W]
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	92LJ9763B	J	AC	Felt
720	92LJ3041B	J		Felt
SP601,602	RSPA10002AW6W	J	AU	Woofer
SP603,604	RSPA00002AW6T	J	AU	Tweeter
SP605,606	VSP0013WB476A	J	AY	Sub Woofer

ACCESSORIES/PACKING PARTS

1	92LN1892B	J		Packing Add., Bottom, Speaker
2	92LN1892T	J		Packing Add., Top, Speaker
3	92LT7809	J	AM	Speaker Cord Ass'y
3-1	92LD2583RB	J		Speaker Cord, Red/Black
3-2	92LD2576BBK	J		Speaker Cord, Blue/Black
4	92LV1054C	J		Polyethylene Bag, Speaker
5	92LV5840	J		Center Pad, Speaker

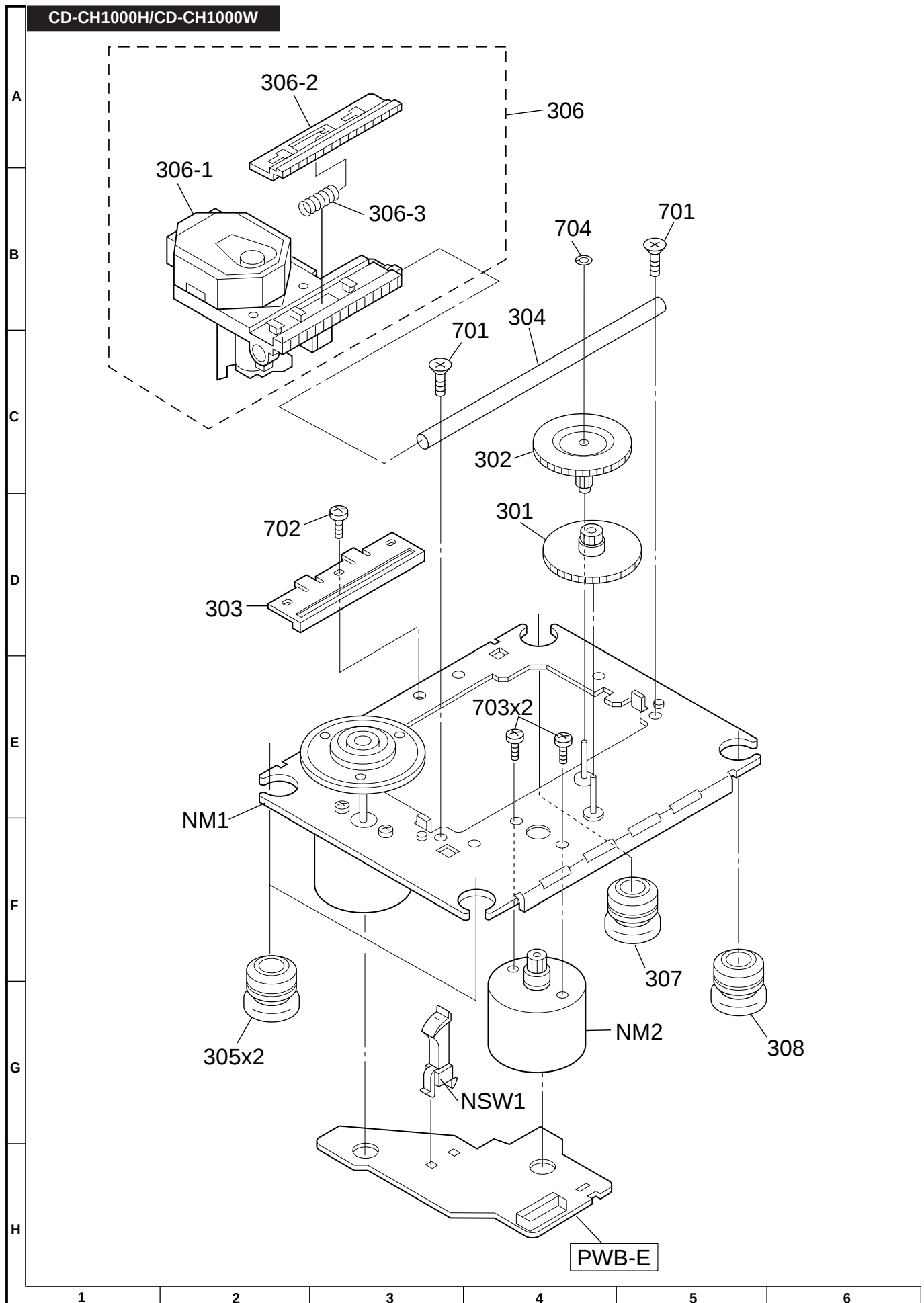


Figure 10 CD MECHANISM EXPLODED VIEW

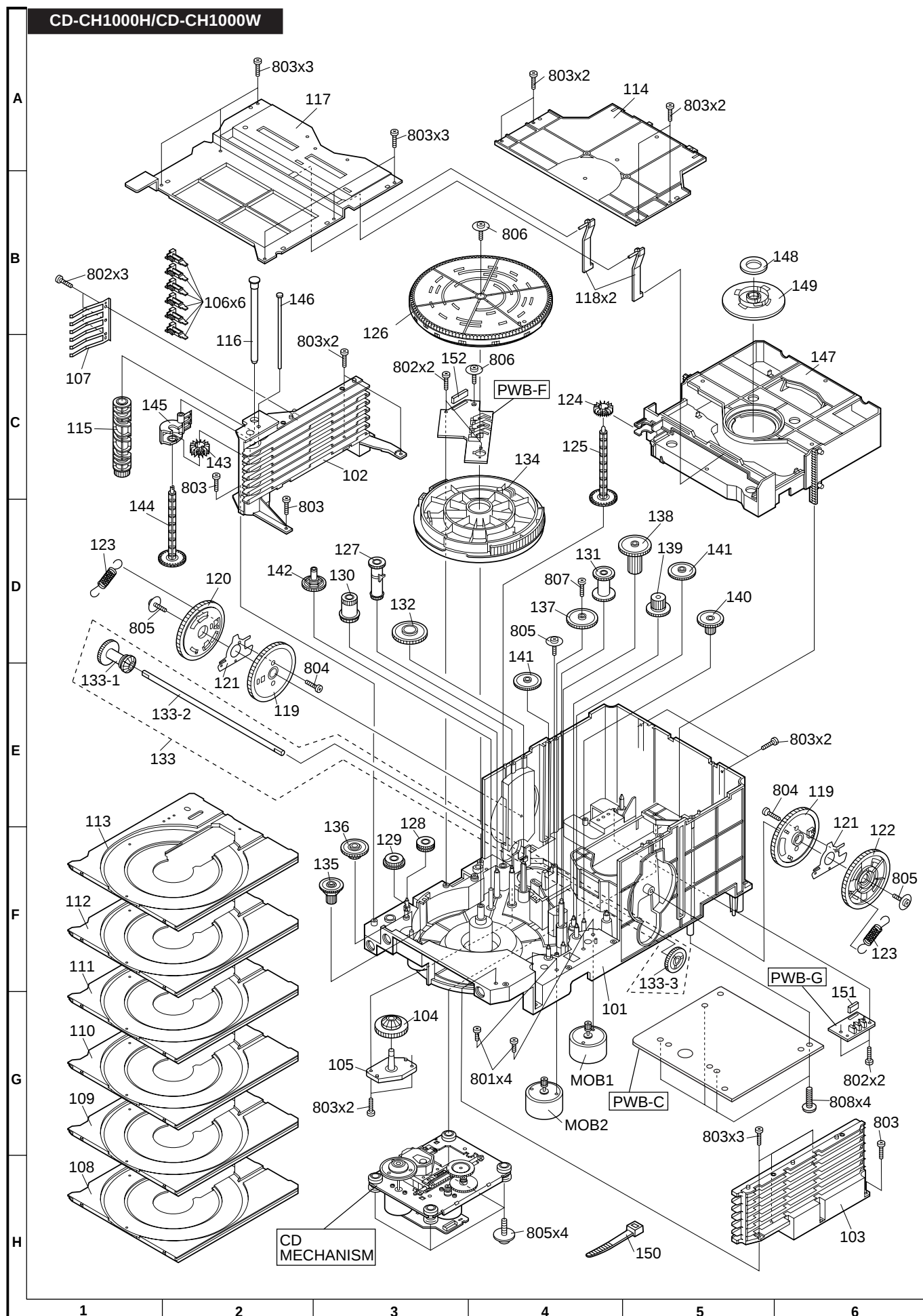
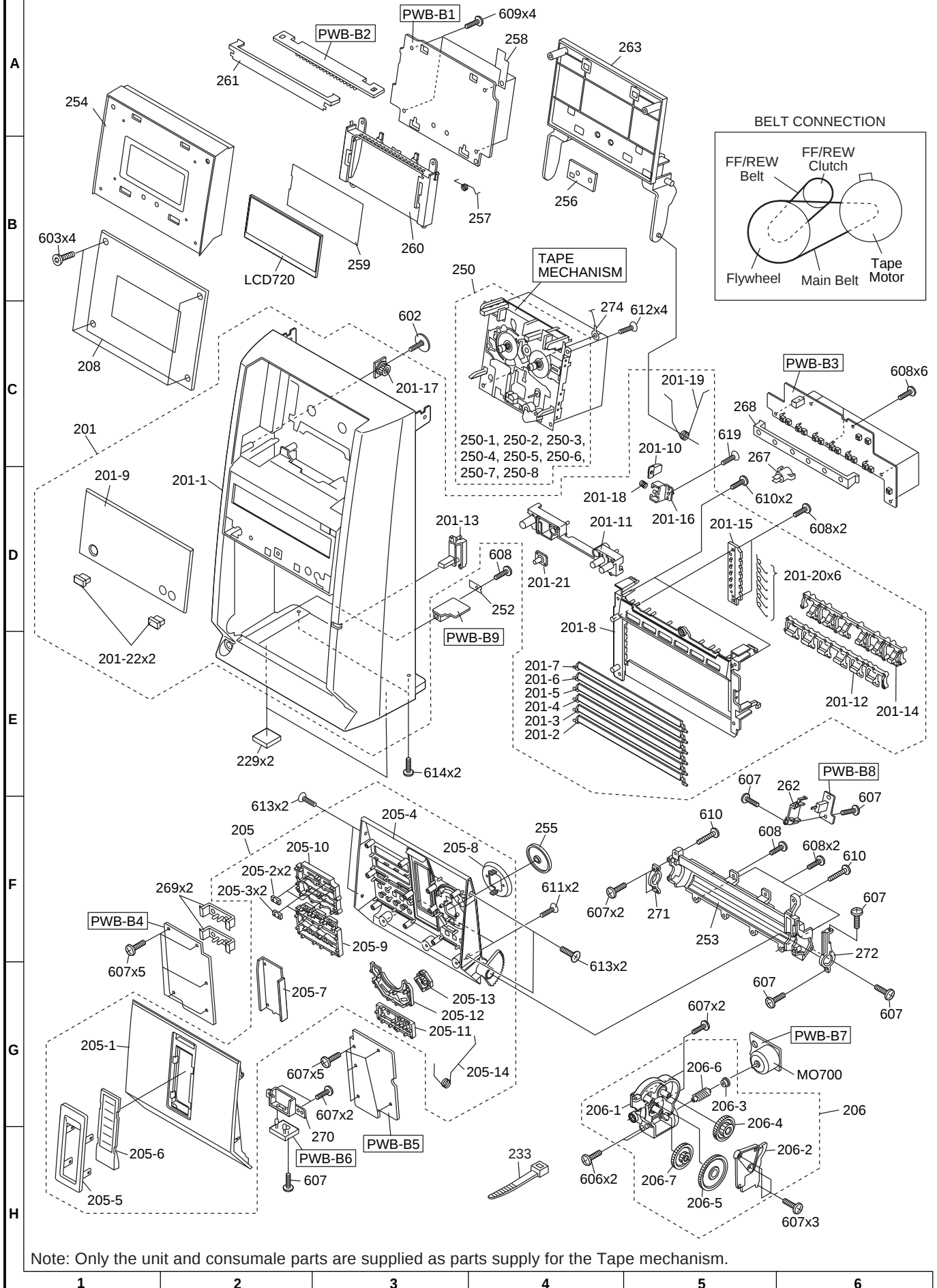


Figure 11 CD CHANGER MECHANISM EXPLODED VIEW

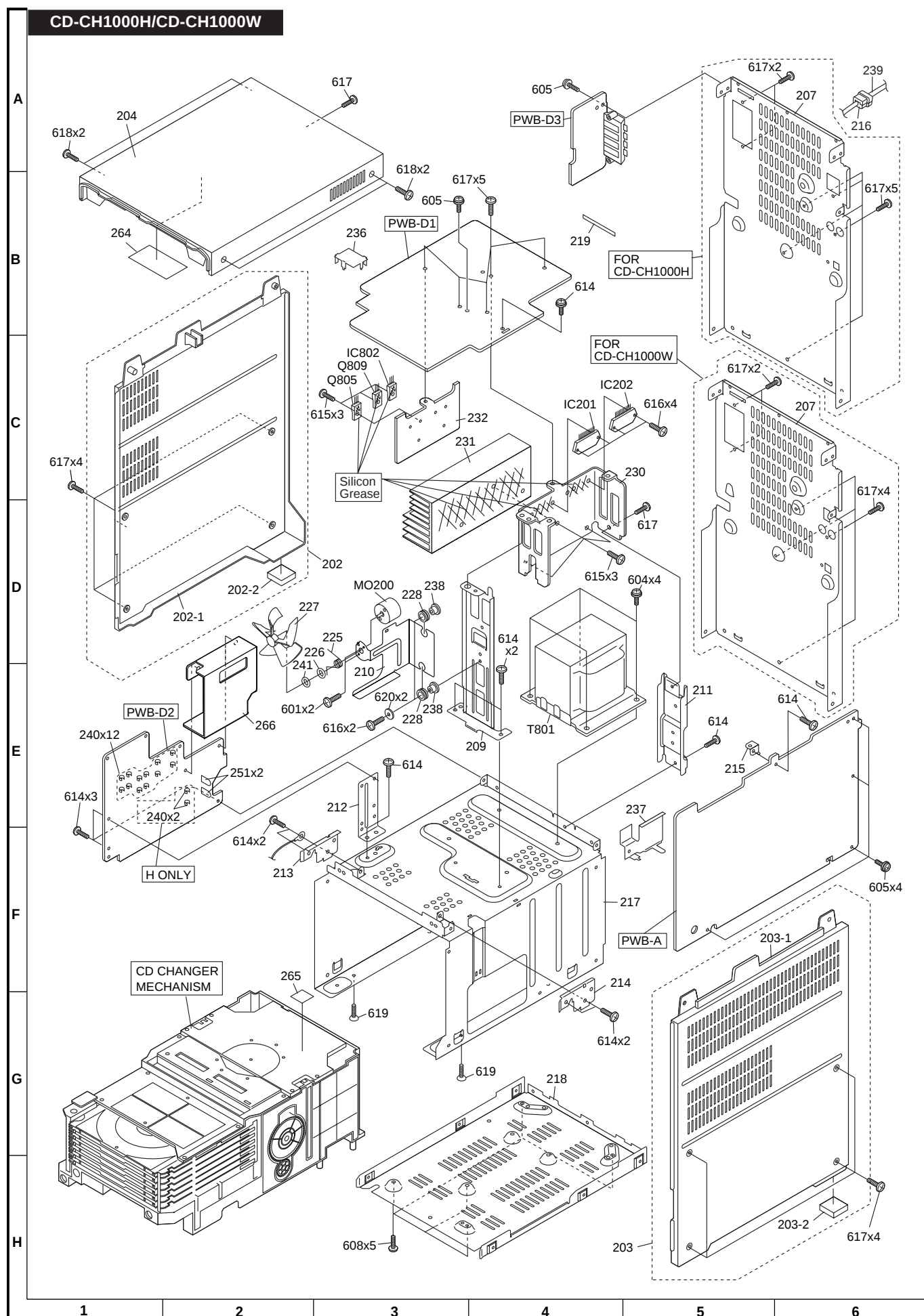
CD-CH1000H/CD-CH1000W



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

Figure 12 CABINET EXPLODED VIEW (1/2)

CD-CH1000H/CD-CH1000W



CP-RW5000H/CP-RW5000W

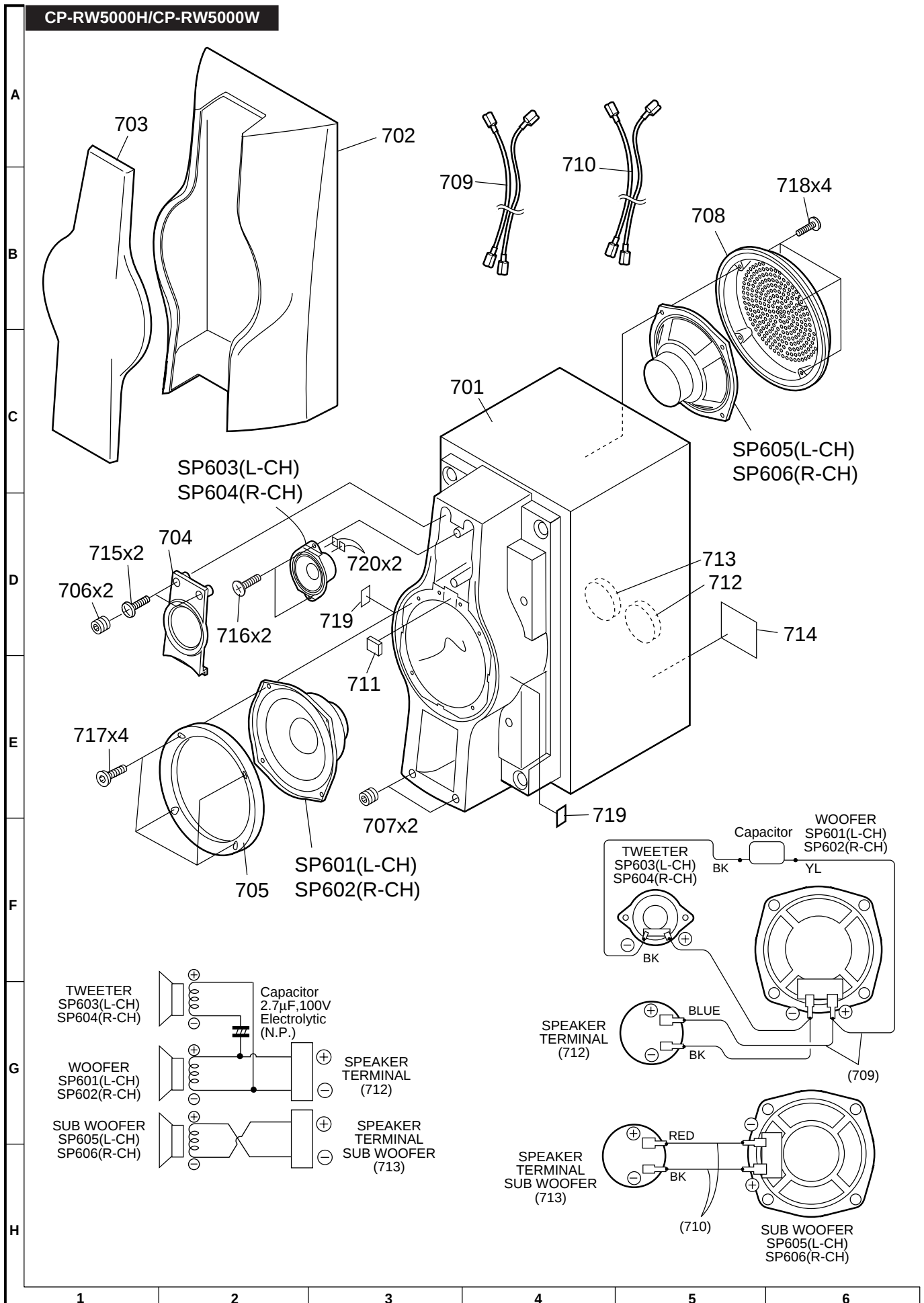


Figure 14 SPEAKER EXPLODED VIEW

PACKING METHOD (CD-CH1000H FOR U.K. ONLY)

Setting position of switches and knobs

Tape Mechanism	STOP
Cassette Holder	CLOSE
Control Panel	CLOSE

CD-CH1000H

- | | |
|----------------------------------|---------------|
| 1. AM Loop Antenna | QANTL0005AWZZ |
| 2. Packing Add., Front/Rear | SPAKA0268AWZZ |
| 3. Packing Case | SPAKC1043AWZZ |
| 4. Polyethylene Bag, Accessories | SSAKA0007AWZZ |
| 5. Polyethylene Bag, Unit | SSAKH0038AWZZ |
| 6. Registration Card | TGAN-3170UMZZ |
| 7. Operation Manual | TINSE0318AWZZ |
| 8. Quick Guide | TINSE0321AWZZ |
| 9. Label, Bar Code | TLABE0430AWZZ |
| 10. Label, Saving Energy | TLABZ0605AWZZ |
| 11. Label, Feature, CD Changer | TLABZ0823AWZZ |

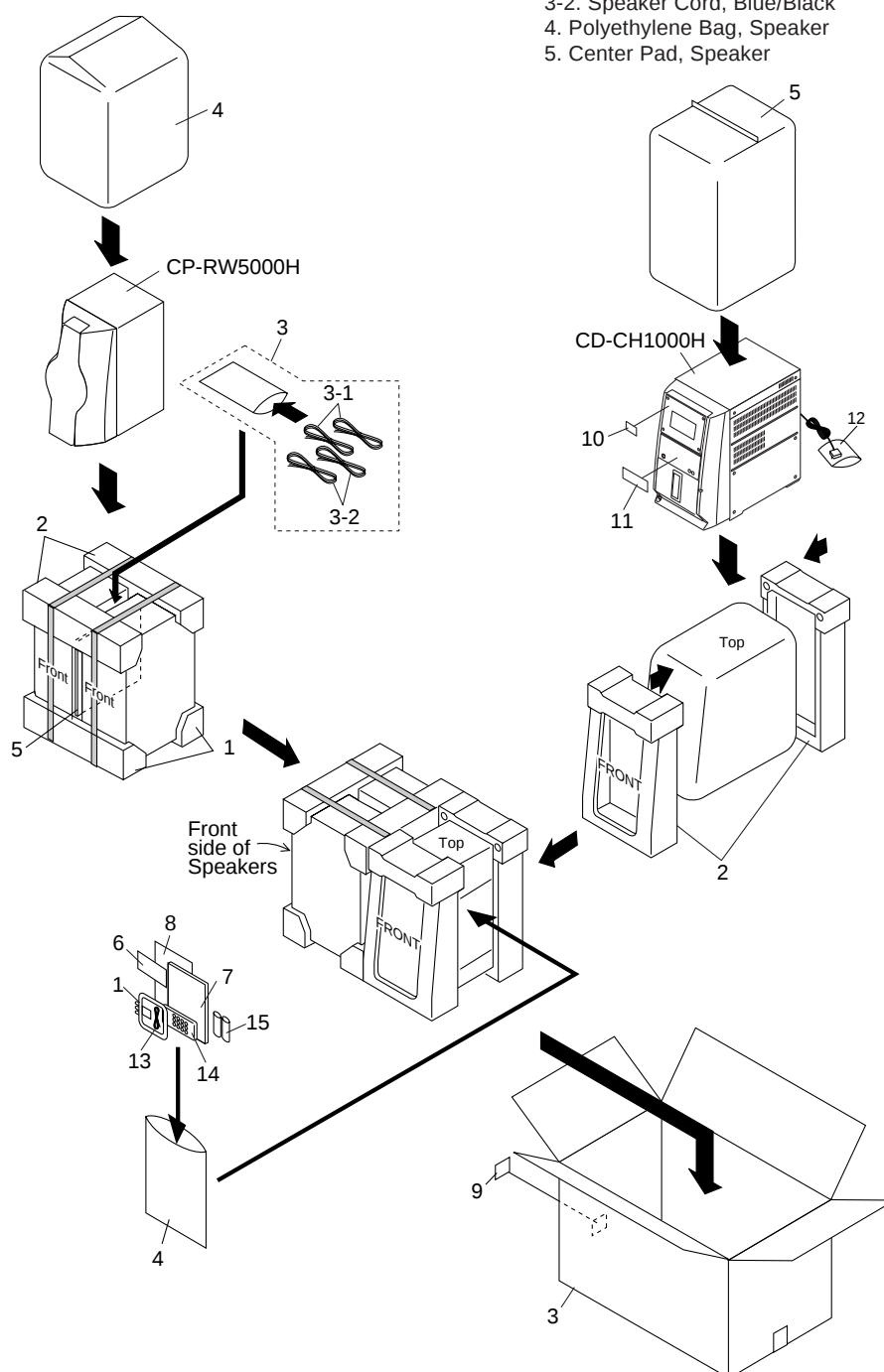
12. Polyethylene Bag, AC Power Supply Cord
13. FM Antenna
14. Remote Control
15. Battery

92LBAG1770A
92LFANT1535A
RRMCG0243AWSA

CP-RW5000H

1. Packing Add., Bottom, Speaker
2. Packing Add., Top, Speaker
3. Speaker Cord Ass'y
- 3-1. Speaker Cord, Red/Black
- 3-2. Speaker Cord, Blue/Black
4. Polyethylene Bag, Speaker
5. Center Pad, Speaker

92LN1892B
92LN1892T
92LT7809
92LD2583RB
92LD2576BBK
92LV1054C
92LV5840



— M E M O —

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