

SHARP SERVICE MANUAL

No. S6052CDP1200W

MINI COMPONENT SYSTEM

MODEL CD-BP1200W

CD-BP1200W Mini Component System consisting of CD-BP1200W (main unit) and CP-BP1200 (speaker system).

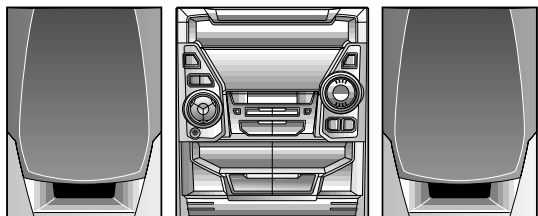


Illustration: CD-BP1200W

MINI COMPONENT SYSTEM

MODEL CD-BP1250W

CD-BP1250W Mini Component System consisting of CD-BP1250W (main unit), CP-BP1250 (front speaker) and GBOXS0043AWM1 (surround speaker).

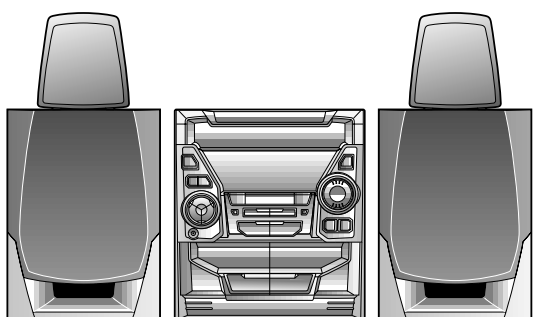


Illustration: CD-BP1250W

COMPACT
disc
DIGITAL AUDIO

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

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SAFETY PRECAUTION FOR SERVICE MANUAL

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 1 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.

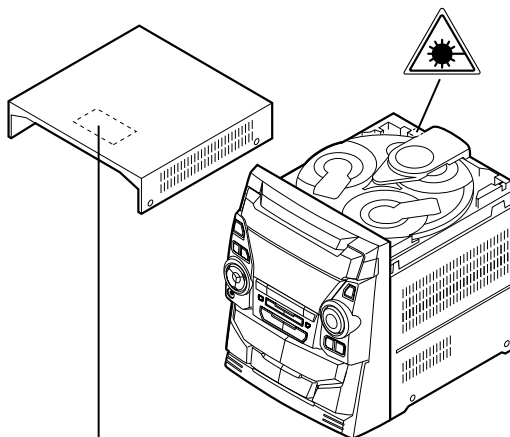
CAUTION

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

- This Mini Component 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

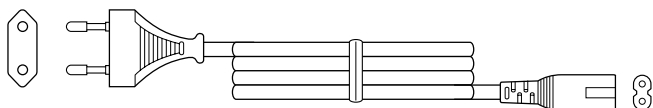


CAUTION-INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
 VARNING-ÖSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.
 ADVERSEL-ÖSYNLIG LASERSTRÅLNING VED ÅBNING. SE IKKE IND I STRÅLEN-HELLER IKKE MED OPTISKE INSTRUMENTER.
 VÄRO! AVATTAESSA OLET ÄLTÄNNÄ NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUJOTTA SÄTEESSEEN ÄLÄKÄ KATSO SITA OPTISEN LAITTEEN LÄPI.
 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 ÅPNES. STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

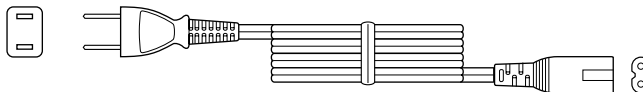
VOLTAGE SELECTION

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 230V - 240V AC).

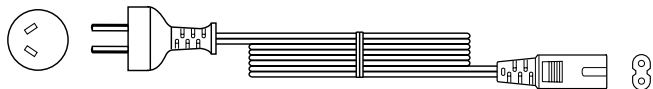
QACCE0007AW00



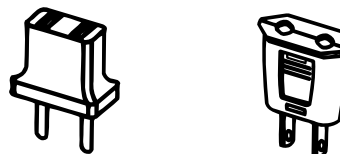
QACCJ0006AW00



QACCL0002AW00/QACCZ0008AW00



QPLGA0003AWZZ QPLGA0004AWZZ



QACCA0004AW00

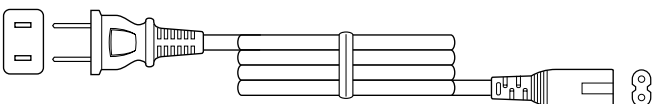


Figure 2 AC POWER SUPPLY CORD AND PLUG ADAPTOR

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

SPECIFICATIONS

CD-BP1200W/1250W

General

Power source:	AC 110/127/220/230-240 V, 50/60 Hz
Power consumption:	32 W
Dimensions:	Width; 270 mm (10-5/8") Height; 300 mm (11-13/16") Depth; 373 mm (14-11/16")
Weight:	5.0 kg (11.0 lbs.)

Amplifier section (CD-BP1200W)

Output power:	MPO; 32 W (16 W + 16 W) (10 % T.H.D.) RMS; 20 W (10 W + 10 W) (10 % T.H.D.) RMS; 14.6 W (7.3 W + 7.3 W) (0.9 % T.H.D.)
Output terminals:	Front speakers; 8 ohms Headphones; 16 - 50 ohms (recommended; 32 ohms)

Amplifier section (CD-BP1250W)

Output power:	MPO; 32 W (16 W + 16 W) (10 % T.H.D.) RMS; 20 W (10 W + 10 W) (10 % T.H.D.) RMS; 14.6 W (7.3 W + 7.3 W) (0.9 % T.H.D.)
Output terminals:	Front speakers; 8 ohms Surround speakers; 16 ohms Headphones; 16 - 50 ohms (recommended; 32 ohms)

Compact disc player section

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

Tuner section

Frequency range:	FM; 88 - 108 MHz AM; 531 - 1,602 kHz
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Cassette deck section

Frequency response:	50 - 14,000 Hz (Normal tape)
Signal/noise ratio:	55 dB (TAPE 1, playback) 50 dB (TAPE 2, recording/playback)
Wow and flutter:	0.3 % (WRMS)

CP-BP1200/1250

Type:	10 cm (4") full-range speaker
Maximum input power:	20 W
Rated input power:	10 W
Impedance:	8 ohms
Dimensions:	Width; 220 mm (8-11/16") Height; 300 mm (11-13/16") Depth; 180 mm (7-1/16")
Weight:	2.0 kg (4.4 lbs.)/each

GBOXS0043AWM1 CD-BP1250W Only

Type:	8 cm (3-3/32") full-range speaker
Maximum input power:	10 W
Rated input power:	5 W
Impedance:	16 ohms
Dimensions:	Width; 150 mm (6") Height; 150 mm (6") Depth; 78 mm (3")
Weight:	0.4 kg (0.9 lbs.)/each

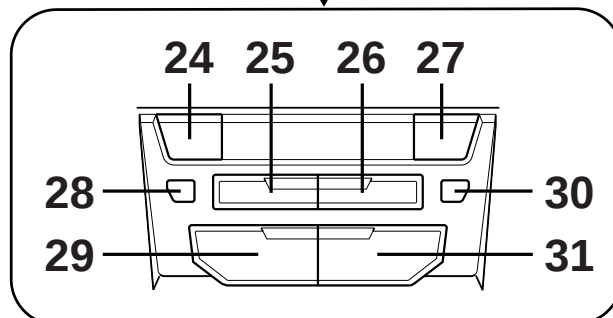
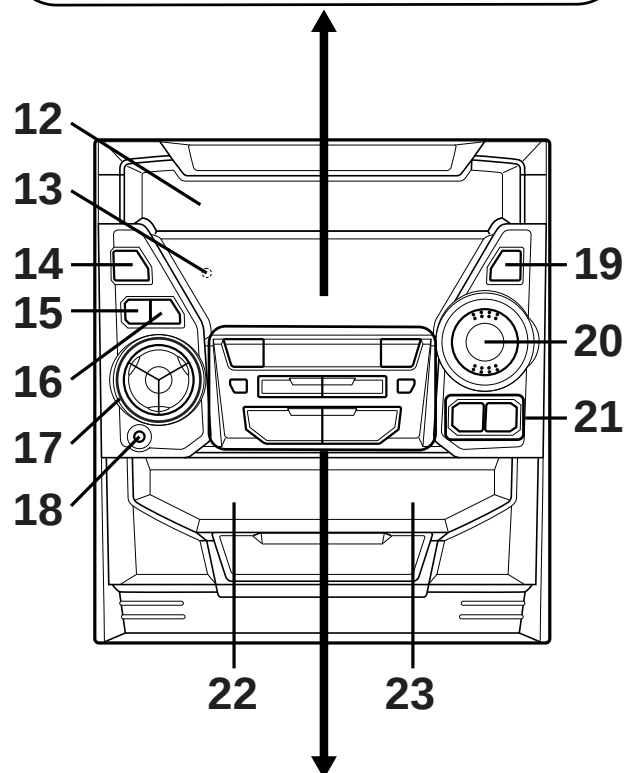
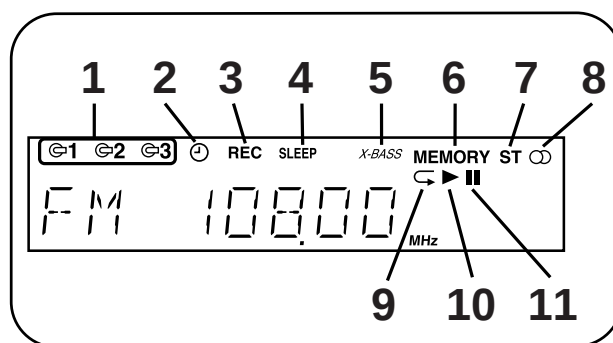
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

CD-BP1200W/1250W

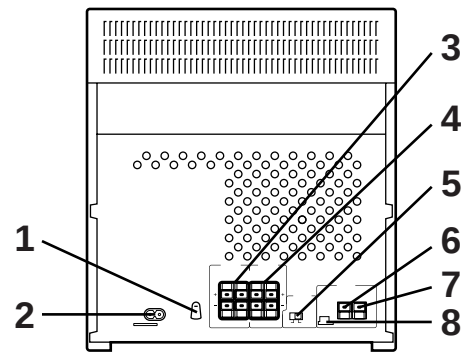
■ Front panel

1. (CD) Disc Number Indicators
2. Timer Indicator
3. Record Indicator
4. Sleep Indicator
5. Extra Bass Indicator
6. (CD/TUNER) Memory Indicator
7. FM Stereo Mode Indicator
8. FM Stereo Indicator
9. (CD) Repeat Indicator
10. (CD/TAPE) Play Indicator
11. (CD) Pause Indicator
12. (CD) Disc Tray
13. Timer Set Indicator
14. On/Stand-by Button
15. Timer/Sleep Button
16. Clock Button
17. Function Selector Buttons
18. Headphone Socket
19. Equalizer Mode Selector/Extra Bass/
Demo Mode Button
20. Volume Up/Down Buttons
21. Tuning and Time Up/Down Buttons
22. (TAPE 1) Cassette Compartment
23. (TAPE 2) Cassette Compartment
24. (CD) Disc Skip Button
25. (CD) Track Down/Review Button
(TUNER) Preset Down Button
(TAPE 2) Rewind Button
26. (CD) Track Up/Cue Button
(TUNER) Preset Up Button
(TAPE 2) Fast Forward Button
27. (CD) Open/Close Button
28. Memory/Set Button
29. (CD/TAPE) Stop Button
30. (TAPE 2) Record Pause Button
31. (CD) Play/Repeat Button
(TAPE) Play Button



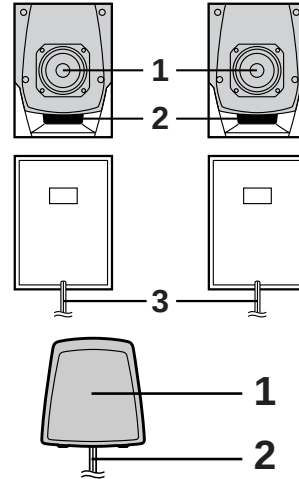
■ Rear panel

1. AC Voltage Selector
2. AC Power Input Socket
3. Surround Speaker Terminals (CD-BP1250W Only)
4. Front Speaker Terminals
5. Span Selector Switch
6. FM Aerial Earth Terminal
7. FM 75 Ohms Aerial Terminal
8. AM Loop Aerial Input Socket



CP-BP1200/1250

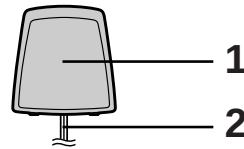
1. Full-Range Speaker
2. Bass Reflex Duct
3. Speaker Wire



GBOXS0043AWM1

CD-BP1250W Only

1. Full-Range Speaker
2. Speaker Wire



■ Remote control

1. Remote Control Transmitter LED

● CD control section

2. Disc Number Select Buttons
3. Memory Button
4. Pause Button
5. Clear Button
6. Track Down/Review Button
7. Track Up/Cue Button
8. Disc Skip Button
9. Play/Repeat Button
10. Stop Button
11. Random Button

● Tuner control section

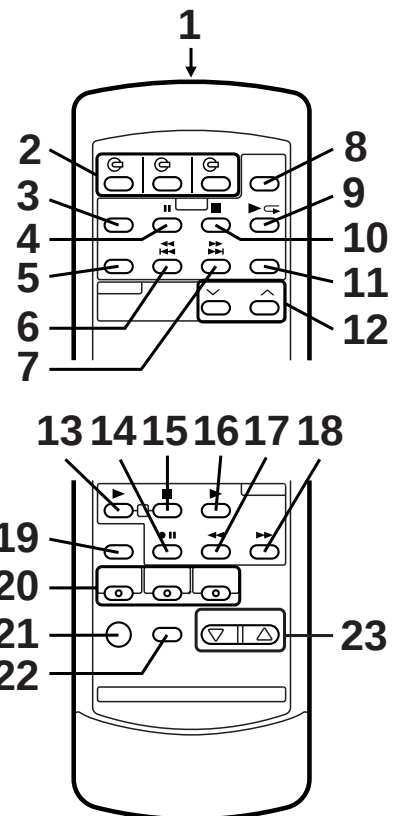
12. Preset Up/Down Buttons

● Tape control section

13. (TAPE 1) Play Button
14. (TAPE 2) Record Pause Button
15. (TAPE 1/2) Stop Button
16. (TAPE 2) Play Button
17. (TAPE 2) Rewind Button
18. (TAPE 2) Fast Forward Button

● Common section

19. Equalizer Mode Selector Button
20. Function Selector Buttons
21. On/Stand-by Button
22. Extra Bass Button
23. Volume Up/Down Buttons



OPERATION MANUAL

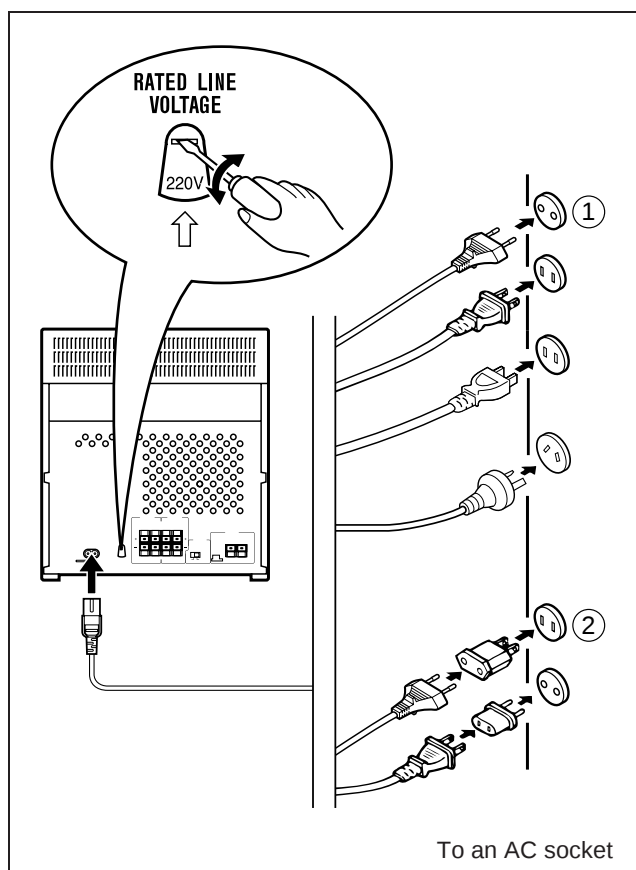
PREPARATION FOR USE

■ 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).



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.
- Never use a power lead other than the one supplied. Use of a power lead other than the one supplied may cause an electric shock or fire.

● 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).

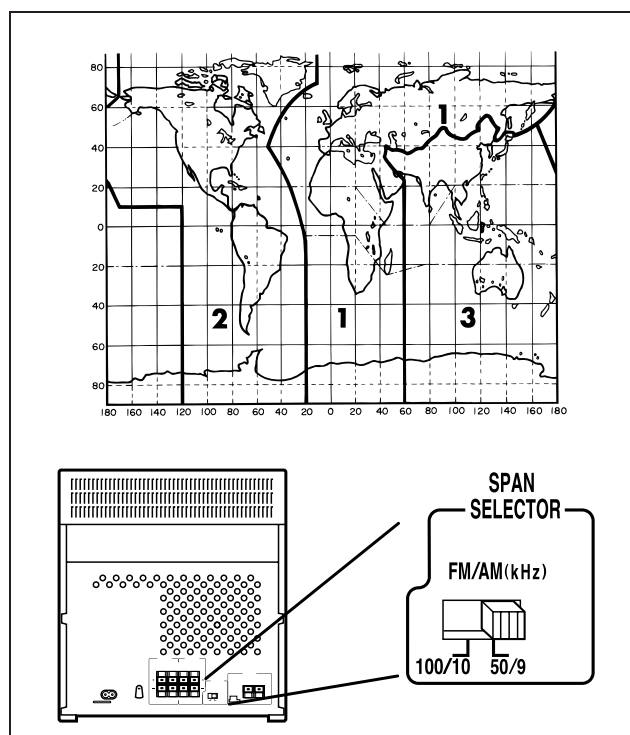
Note for users in Australia and New Zealand:

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

■ 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:

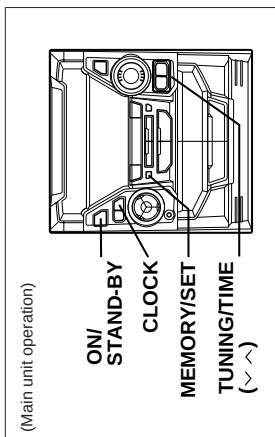
- 1 Press the ON/STAND-BY button to enter the stand-by mode.
 - 2 Set the SPAN SELECTOR switch to "50/9" for 9 kHz AM interval (50 kHz FM interval), and "100/10" for 10 kHz AM interval (100 kHz FM interval).
 - 3 Whilst pressing down the ► / ◄ button and the EQUALIZER/X-BASS/DEMO button, hold down the ON/STAND-BY button for at least 1 second.
- "CLEAR AL" will appear.

Caution:

- The operation explained above will erase all data stored in memory including clock and timer settings, and tuner and CD presets.

SETTING THE CLOCK

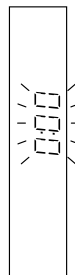
In this example, the clock is set for the 24-hour (0:00) system.



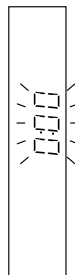
- 1 Press the ON/STAND-BY button to enter the standby mode.
- 2 Press the CLOCK button.



- 3 Within 5 seconds, press the MEMORY/SET button.



- 4 Press the TUNING/TIME (✓ or \) button to select the time display mode.

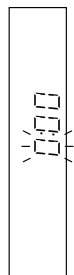


0:00 ↔ AM 0:00 ↔ AM 12:00

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

- Note that this can only be set when the unit is first installed or it has been reset.

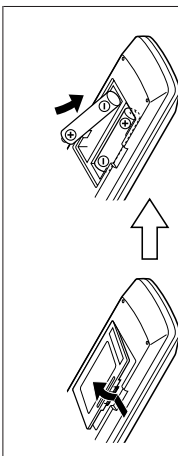
- 5 Press the MEMORY/SET button.



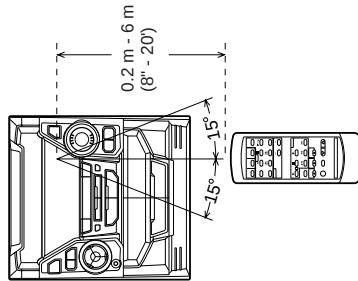
PREPARATION FOR USE

Remote control

- When inserting or removing the batteries, push them towards the battery terminals.
- Installing the batteries incorrectly may cause the unit to malfunction.



- 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar)



Precautions for battery use:

- Insert the batteries according to the direction indicated in the battery compartment.
- Replace all old batteries with new ones at the same time.
- Do not mix old and new batteries.
- Remove the batteries if they are weak or if the unit will not be used for long periods of time. This will prevent potential damage due to battery leakage.

Caution:

Do not use rechargeable batteries (nickel-cadmium battery, etc.).

Notes concerning use:

- Replace the batteries if the operating distance is reduced or if the operation becomes erratic.
- Periodically clean the transmitter LED on the remote control and the sensor on the main unit with a soft cloth.
- Exposing the sensor on the main unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
- Keep the remote control away from moisture, excessive heat, shock, and vibrations.

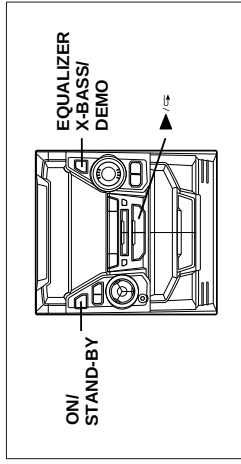
RESETTING THE MICROCOMPUTER

Reset the microcomputer under the following conditions:

- To erase all of the stored memory contents (clock and timer settings, and tuner and CD presets).
- If the display is not correct.
- If the operation is not correct.

- 1 Press the ON/STAND-BY button to enter the standby mode.
- 2 Whilst pressing down the ▶ / ◀ button and the EQUALIZER/X-BASS/DEMO button, hold down the ON/STAND-BY button for at least 1 second.

- "CLEAR AL" will appear.



Caution:

- The operation explained above will erase all data stored in memory including clock and timer settings, and tuner and CD presets.

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-BP1200W/1250W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	8-1
2	Side Panel (Left/right)	1. Screw (B1) x2 2. Screw (B2) x2	8-1
3	CD Player Unit/ CD Tray Cover	1. Turn on the power supply, open the disc tray, take out the CD cover, and close. (Note 1) 2. Screw (C1) x1 3. Hook (C2) x3 4. Hook (C3) x2 5. Socket (C4) x2	8-2
4	Rear Panel	1. Screw (D1) x8	8-2
5	Main/Headphones PWB	1. Screw (E1) x8 2. Socket (E2) x4 3. Flat Cable (E3) x1 4. Lug Wire (E4) x1	9-2
6	Front Panel	1. Screw (F1) x3	9-2
7	Display PWB	1. Screw (G1) x9 2. Flat Cable (G2) x1	9-3
8	Tape Mechanism	1. Open the cassette holder. 2. Screw (H1) x5	9-3
9	Turntable	1. Hook (J1) x2 2. Cover (J2) x1	9-4
10	Disc Tray	1. Turn fully the lock lever in the arrow direction. 2. While holding the lock lever, rotate the cam gear until the cam gear rib engages with the clamp lever. 3. Push the slide holder backward to engage the claw with the groove and remove it in the direction of the arrow. (K1) x6	8-3 9-1 9-5
11	CD Servo PWB (Note 2)	1. Screw (L1) x1 2. Hook (L2) x3 3. Socket (L3) x4	9-6
12	CD Mechanism	1. Hook (M1) x2 2. Hook (M2) x3	10-1

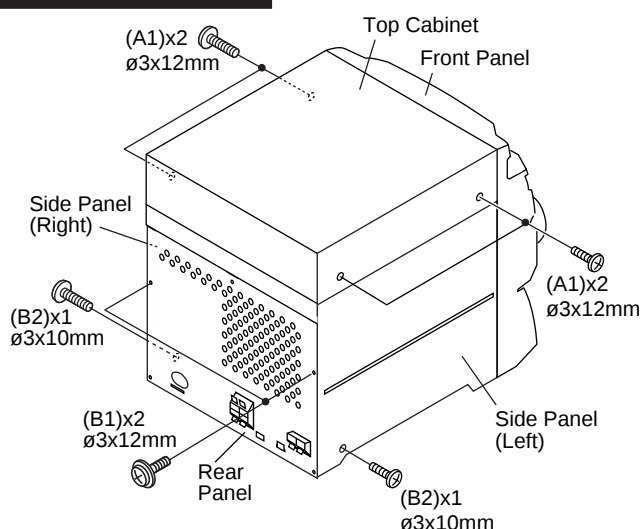
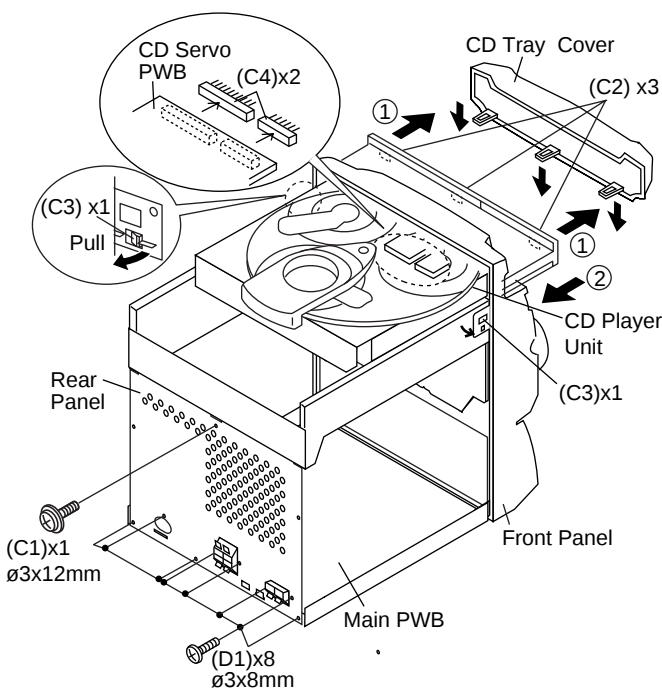
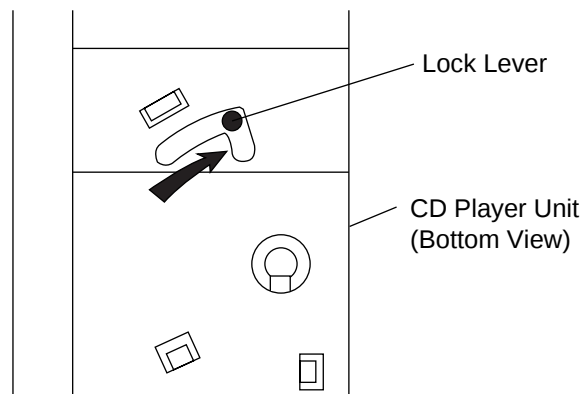
Note 1:

How to open the changer manually. (Fig. 8-3)

1. In this state, turn fully the lock lever in the arrow direction through the hole on the loading chassis bottom.
2. While holding the lock lever, rotate the cam gear anti clockwise until the cam gear rib engages with the clamp lever. (Fig. 9-1)
3. After that, push forward the CD slide holder.

Note 2:

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

CD-BP1200W/1250W**Figure 8-1****Figure 8-2****Figure 8-3****Note 3:**

1. Be careful not to break the claw of the CD mechanism.
2. When fining back the cam gear assembly, let it lock by front movement.

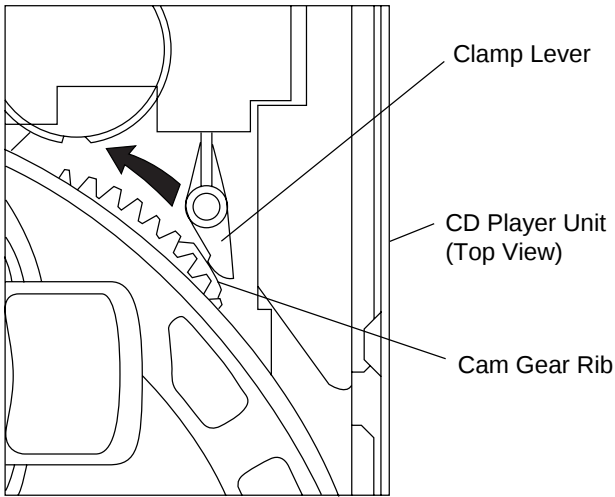


Figure 9-1

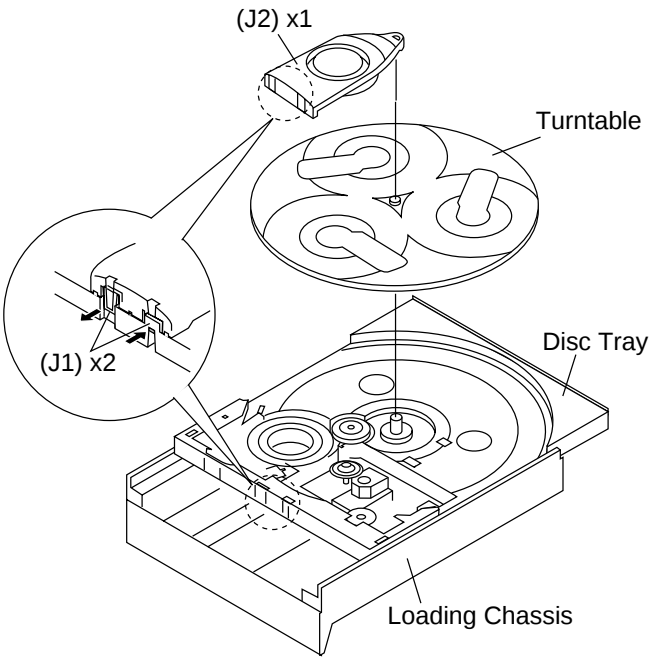


Figure 9-4

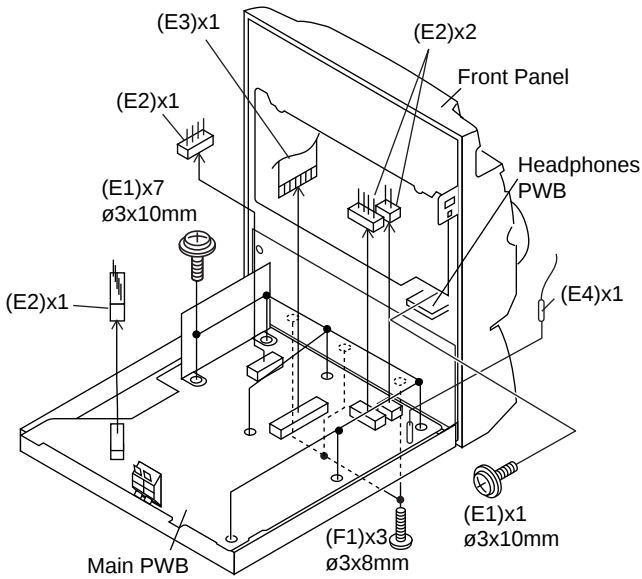


Figure 9-2

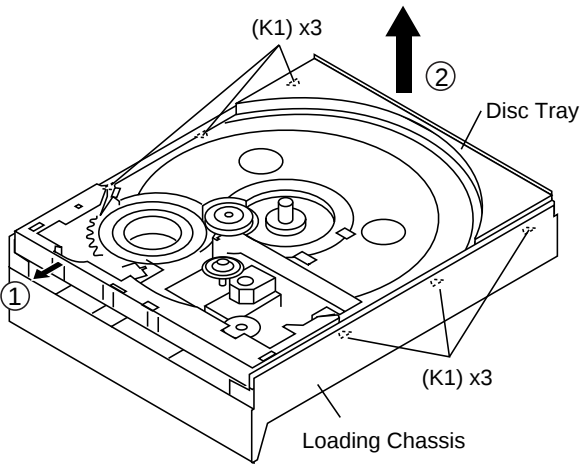


Figure 9-5

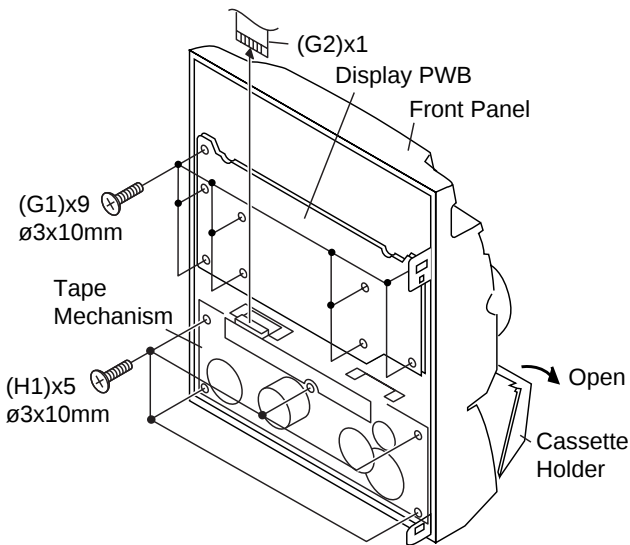


Figure 9-3

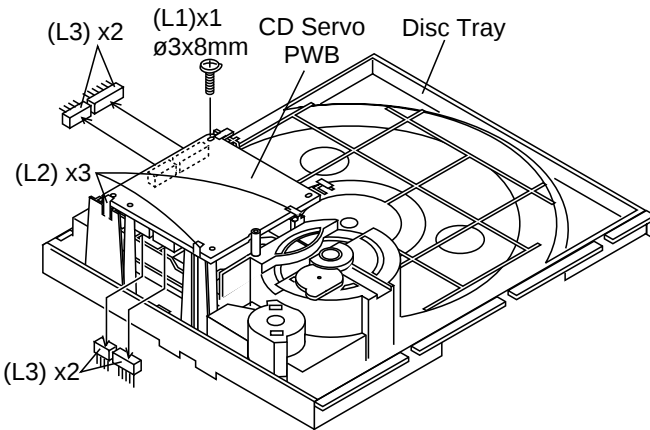


Figure 9-6

CD-BP1200W/1250W

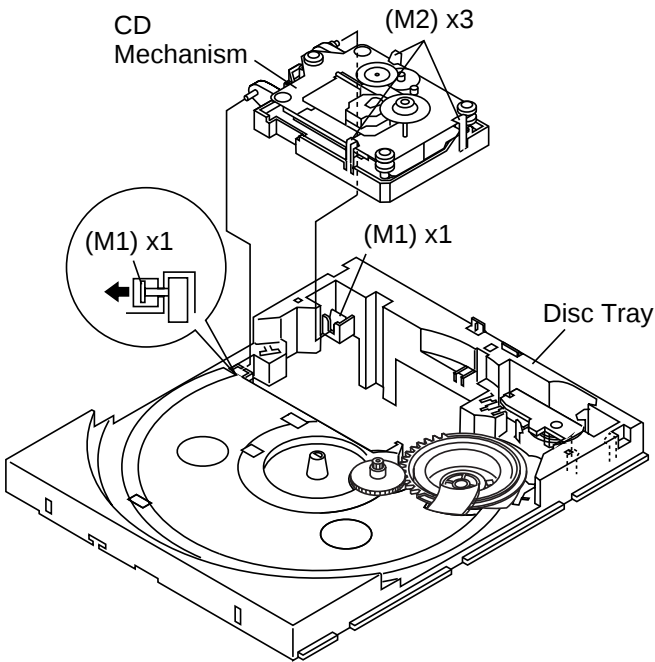


Figure 10-1

CP-BP1200/1250			
STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Net Frame Ass'y (A1) x1 2. Duct Panel (A2) x1 3. Screw (A3) x4	10-2 10-3

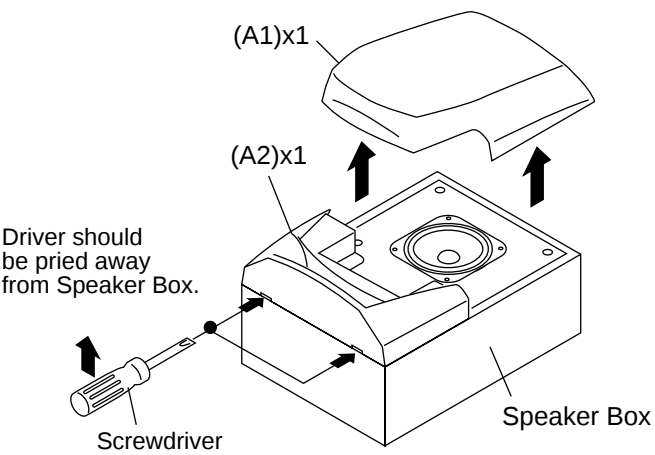


Figure 10-2

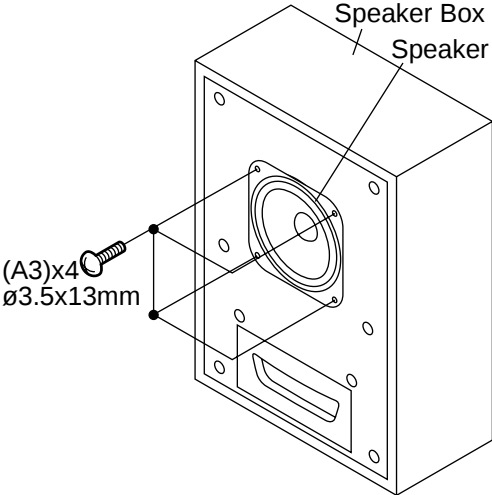


Figure 10-3

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 6 and 8 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (Tape 2) (See Fig. 11-1)

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

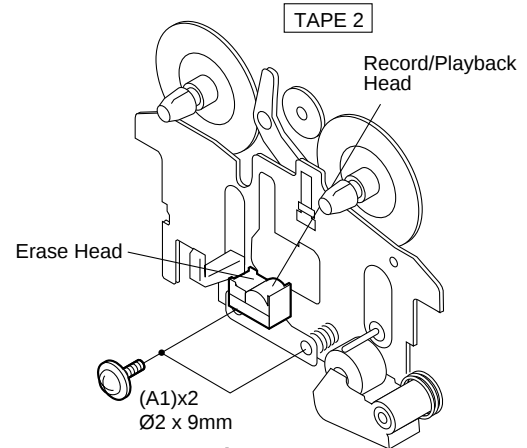


Figure 11-1

How to remove the playback head (Tape 1) (See Fig. 11-2)

1. Carefully remove the playback head screws (B1) x 2 pcs.

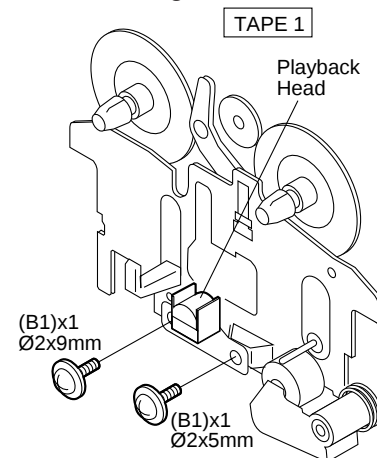


Figure 11-2

How to remove the pinch roller (Tape 1/2) (See Fig. 11-3)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (C1) x1 pc., in the direction of the arrow .

Note:

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

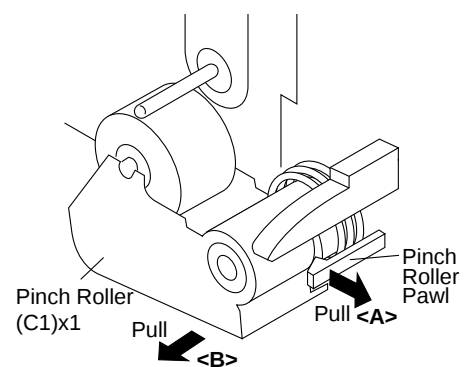


Figure 11-3

How to remove the belt (Tape 2) (See Fig. 11-4)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

How to remove the belt (Tape 1) (See Fig. 11-4)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

How to remove the motor (See Fig. 11-5)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

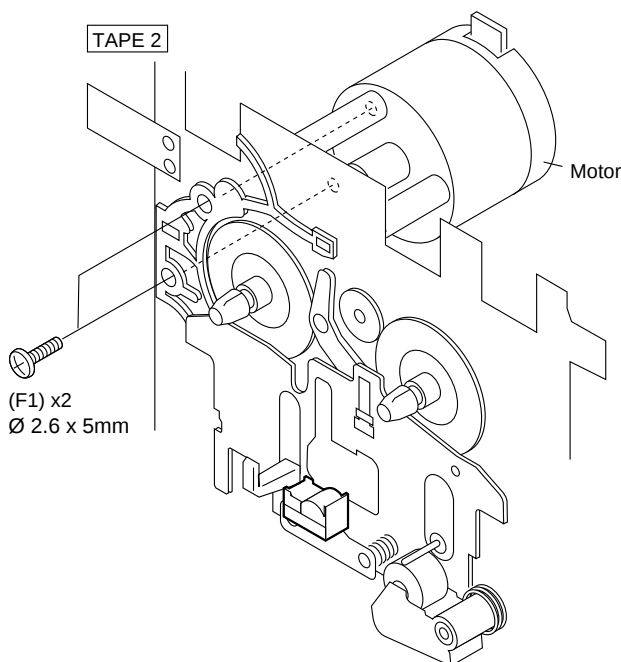


Figure 11-5

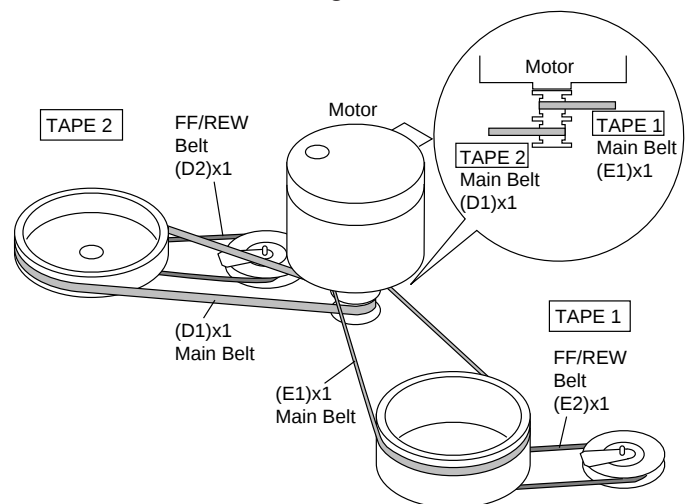


Figure 11-4

CD-BP1200W/1250W

CD MECHANISM SECTION

Perform steps 1, 2, 3, 9 and 12 of the disassembly method to remove the CD mechanism.

How to remove the loading motor (See Fig. 12-1)

1. Bend the hooks (A1) x 5 pcs., to remove the T/T Up/Down motor.
2. Remove the drive belt (A2) x 1 pc.

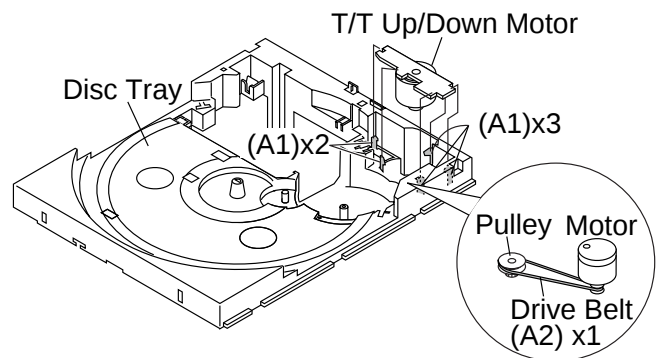


Figure 12-1

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

1. Remove the screws (B1) x 2 pcs., to remove the shaft (B2).
2. Remove the stop washer (B3) x 1 pc., to remove the gear (B4).
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 to protect the optical pickup from electrostatic damage.

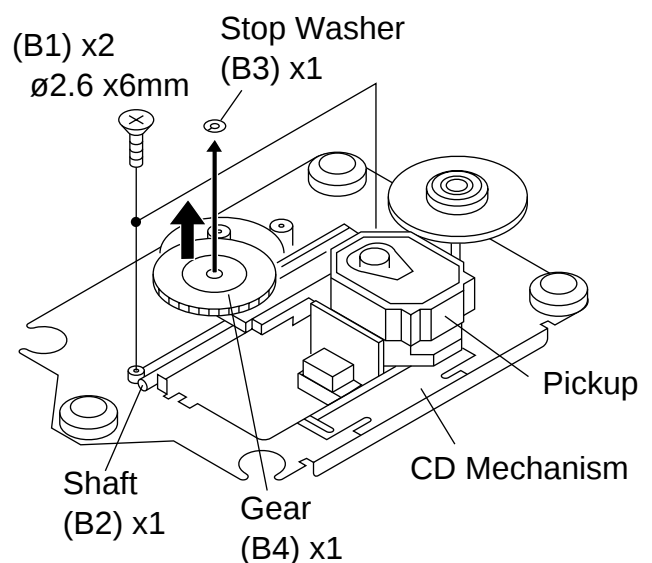


Figure 12-2

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g.cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
Rewind: TW-2231	—	70 to 180 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor.	3,000±30 Hz	Speaker terminal (Load resistance: 6 ohms)

TAPE MECHANISM

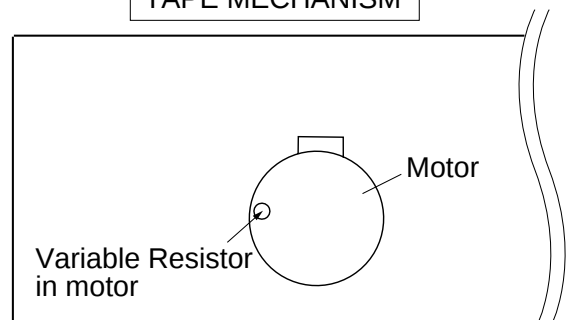


Figure 12-3

TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	—	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna Output: TP302

*2. Input: Antenna Output: TP301

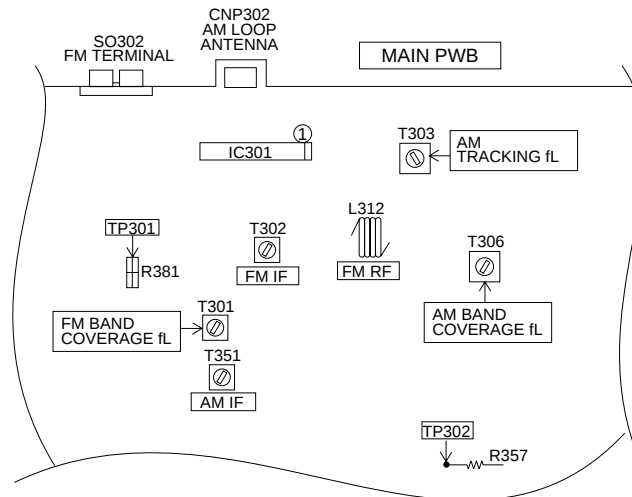


Figure 13-1 ADJUSTMENT POINTS

CD SECTION

• Adjustment

Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWB and pickup can be combined freely.

Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

- (1) Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
 - * Focus offset adjustment
 - * Tracking offset adjustment
- (2) Tracking balance adjustment (waveform drawing Fig. 13-2 EFBL)
- (3) Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0 dB.)
 - * Focus gain adjustment
 - * Tracking gain adjustment

• FM RF

Signal generator: 400Hz, 22.5 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	T301(fL): 3.4 V ± 0.1V	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna Output: TP301

*2. Input: Antenna Output: Speaker terminal

CD ERROR CODE DESCRIPTION

Error	State Code
0001 0002	[Servo System Error] Cannot detect Pickup-in SW DSP access error
0101 0103	[Error during close operation] Open/Close SW Low → High not functioning Open/Close SW High → Low not functioning
0201 0203	[Error during open operation] Open/Close SW Low → High not functioning Open/Close SW High → Low not functioning
0302 0306 0307 0308	[Error during skip operation] Pickup-in SW is not detected During Disc 1 search, Open/Close SW or Clamp SW or Disc SW do not change to low. Clamp SW Low → High not functioning Clamp SW High → Low not functioning

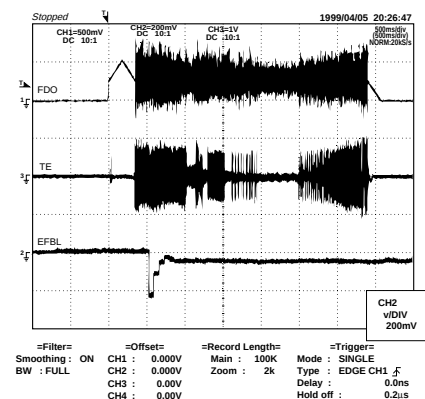


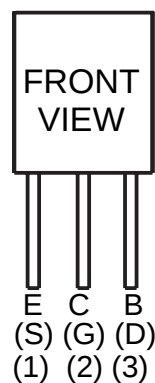
Figure 13-2

NOTES ON SCHEMATIC DIAGRAM

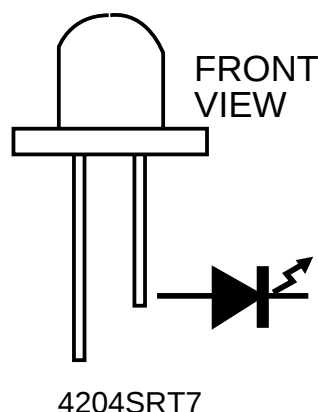
- **Resistor:**
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.
- **Capacitor:**
To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is micro farad. 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 Multi meter 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
SW1	OPEN/CLOSE	ON—OFF
SW2	CLAMP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW601	SPAN SELECTOR	50/9kHz-100/10kHz
SW701	ON/STAND-BY	ON—OFF
SW702	CLOCK	ON—OFF
SW703	TIMER/SLEEP	ON—OFF
SW709	DISC SKIP	ON—OFF
SW710	OPEN/CLOSE	ON—OFF
SW711	EQUALIZER/X-BASS/DEMO	ON—OFF
SW712	VOLUME UP	ON—OFF
SW713	VOLUME DOWN	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW714	CD	ON—OFF
SW715	TAPE	ON—OFF
SW716	TUNING /TIME DOWN	ON—OFF
SW717	MEMORY/SET	ON—OFF
SW718	REWIND	ON—OFF
SW719	FAST FORWARD	ON—OFF
SW720	PLAY/REPEAT	ON—OFF
SW721	STOP	ON—OFF
SW723	REC/PAUSE	ON—OFF
SW724	TUNING/TIME UP	ON—OFF
SW725	TUNER (BAND)	ON—OFF
SW801	VOLTAGE SELECTOR	110V/120V/220V/ 230-240V



2SC1845 F
2SC3331
KTA1266 GR
KTA1271 Y
KTA1273 Y
KTC3203 Y
KRC102 M
KRC104 M
KRC107 M



4204SRT7

Figure 14 TYPES OF TRANSISTOR AND LED

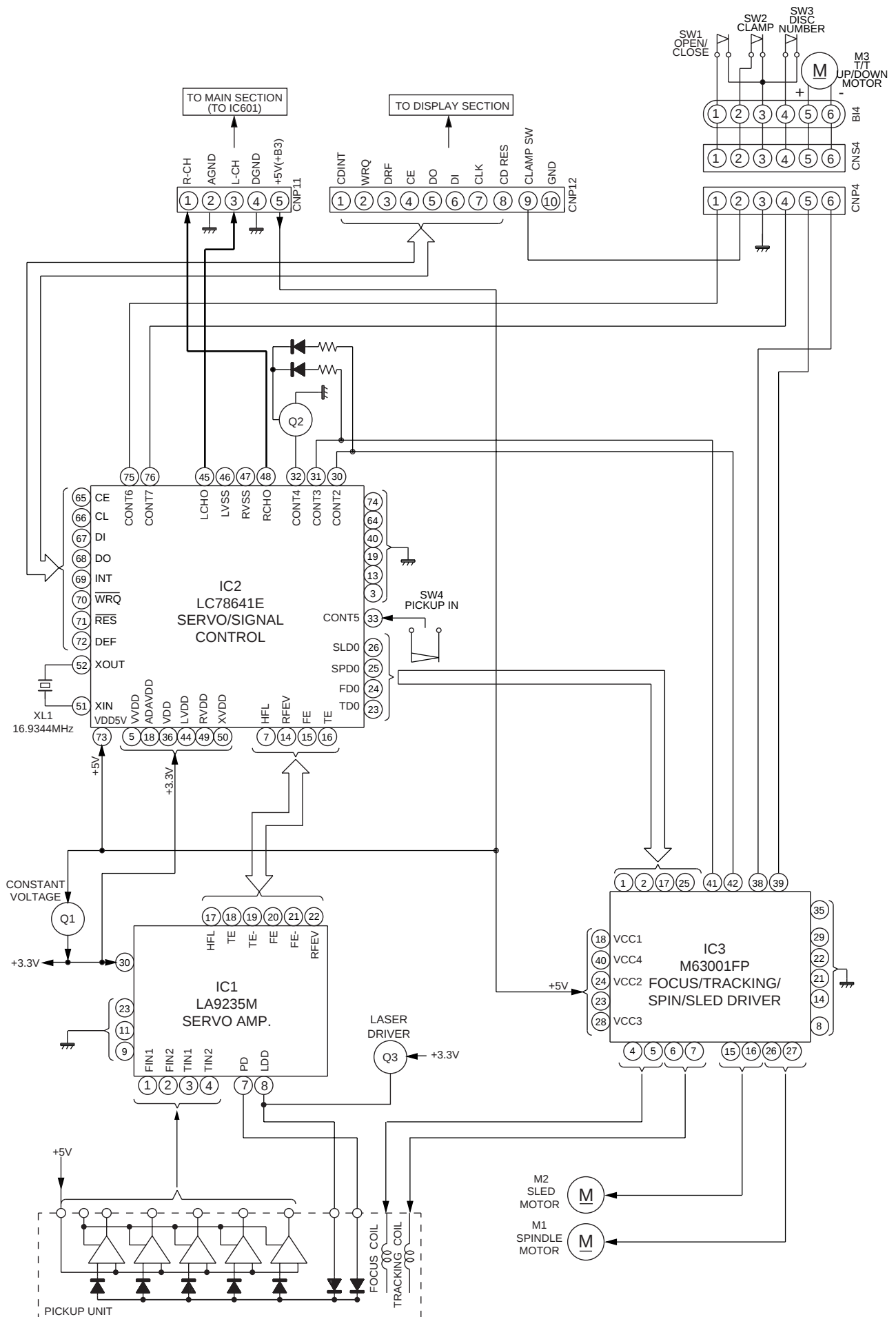


Figure 15 BLOCK DIAGRAM (1/3)

CD-BP1200W/1250W

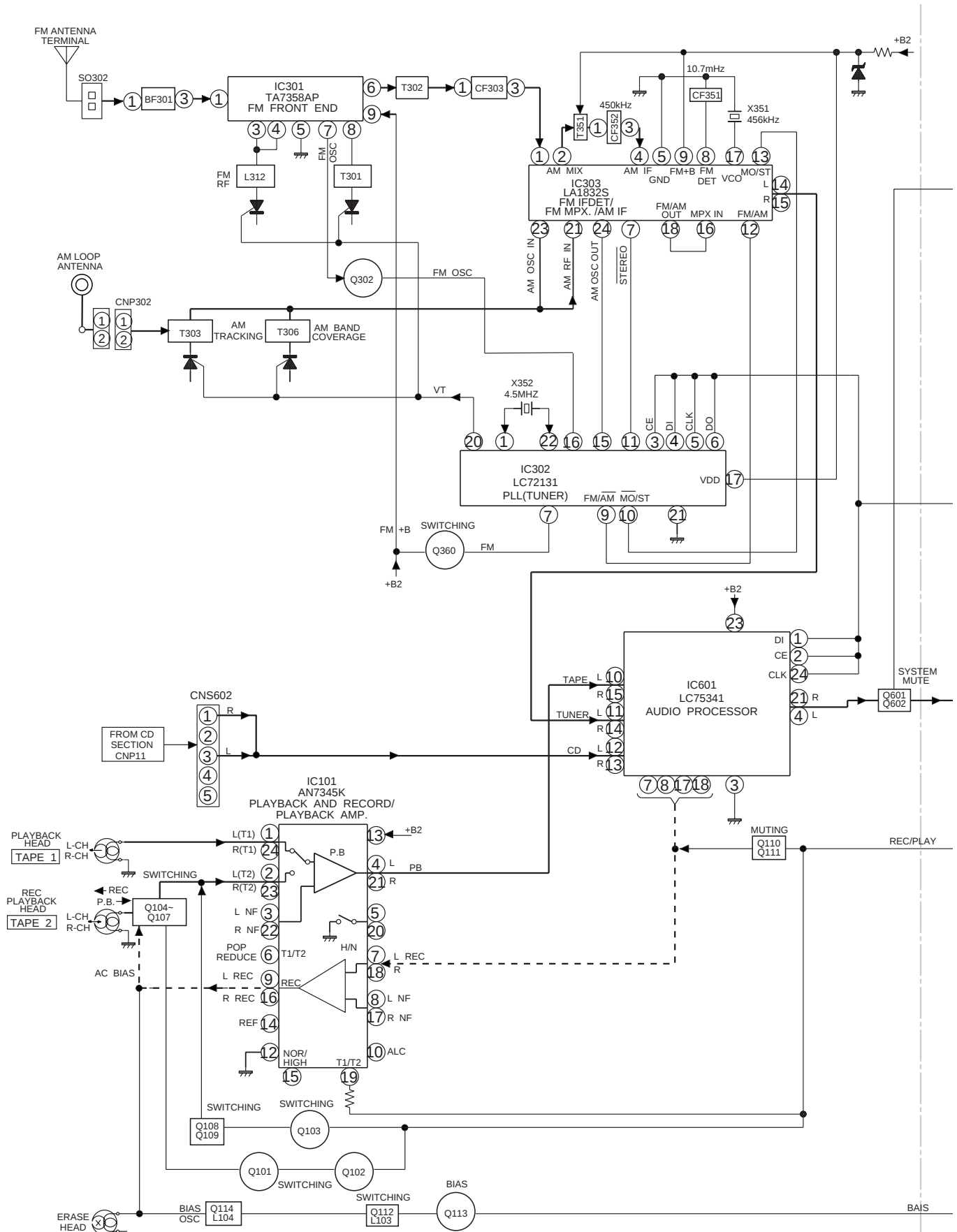


Figure 16 BLOCK DIAGRAM (2/3)

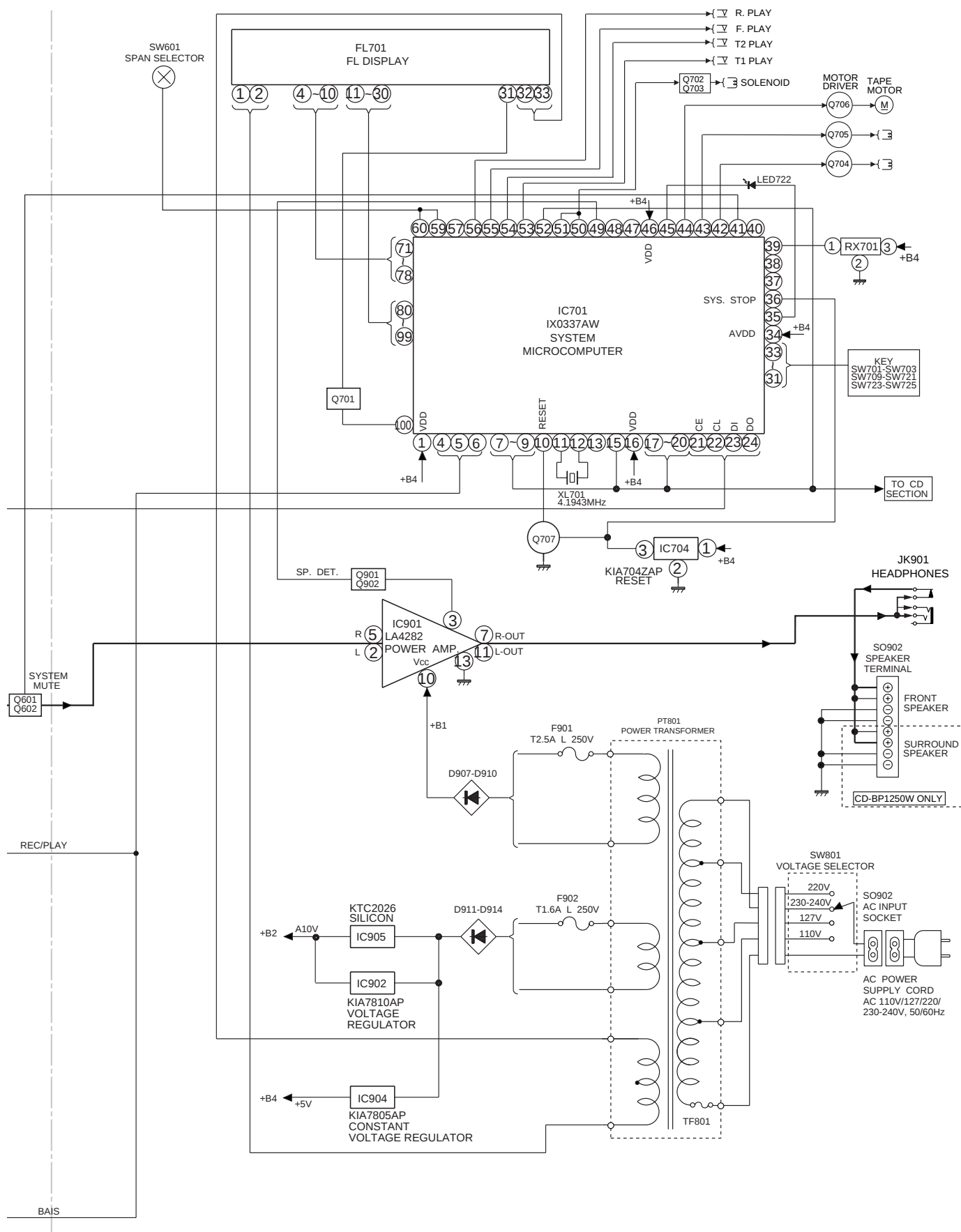


Figure 17 BLOCK DIAGRAM (3/3)

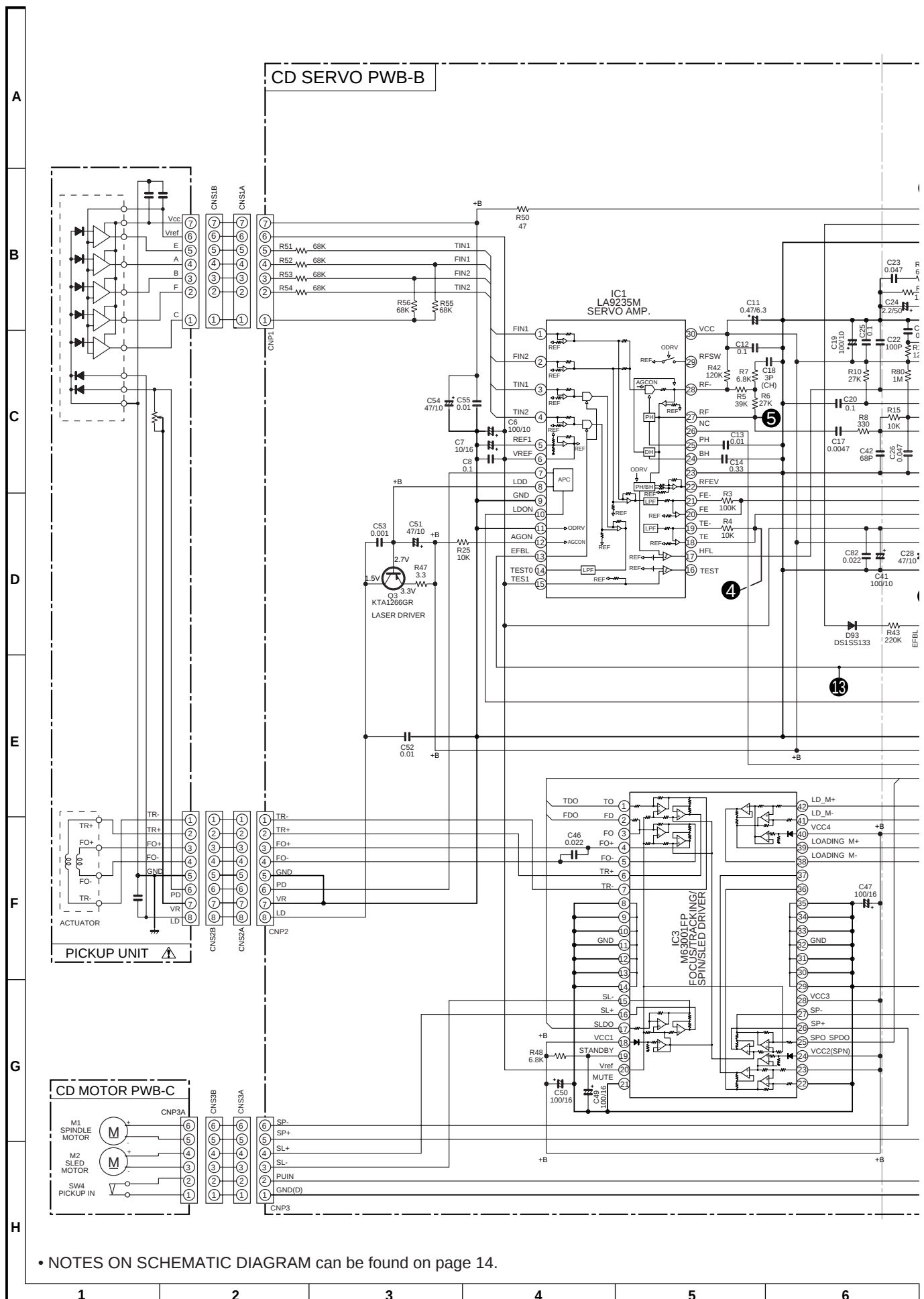
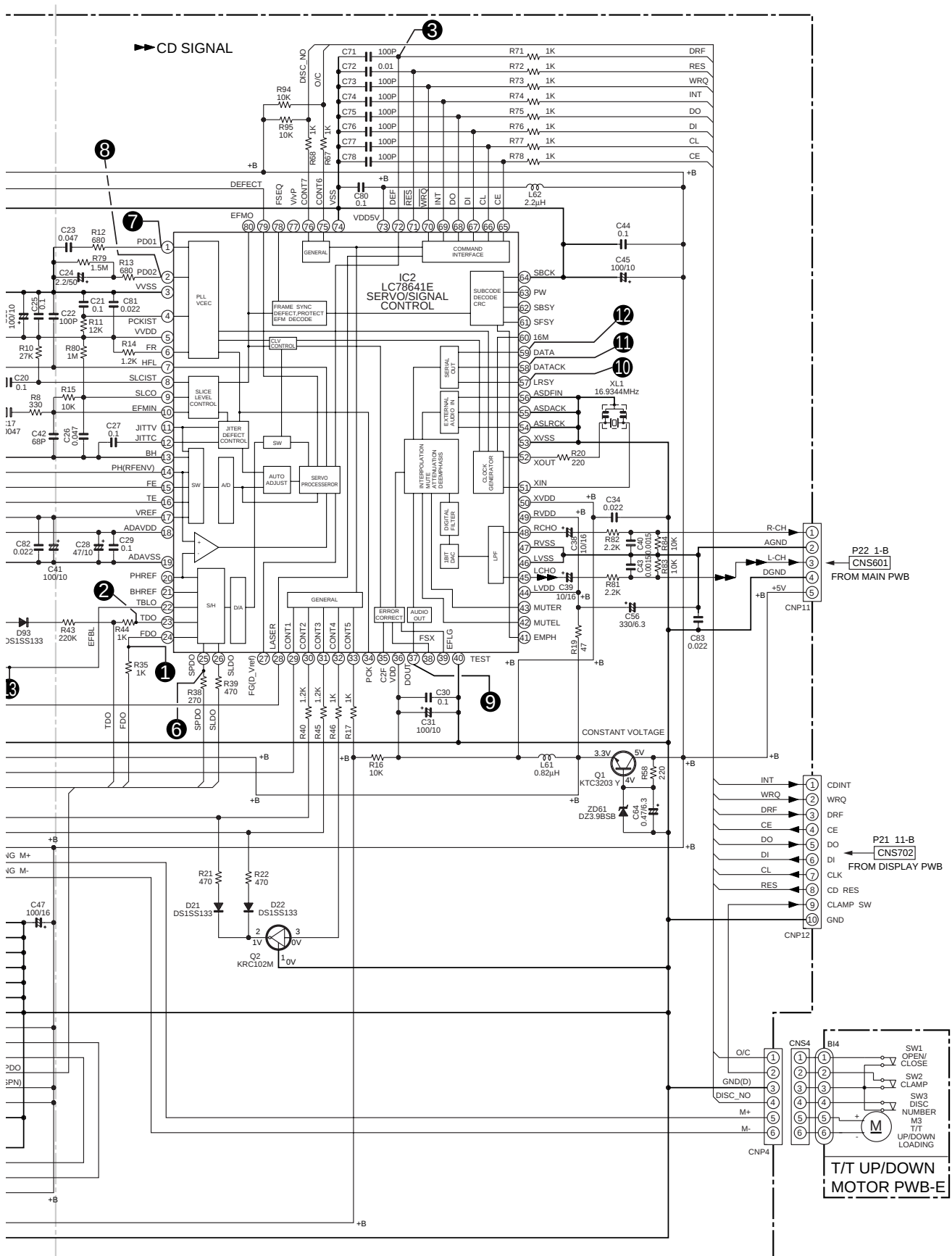


Figure 18 SCHEMATIC DIAGRAM (1/9)



• The numbers 1 to 13 are waveform numbers shown in page 34.

7	8	9	10	11	12
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Figure 19 SCHEMATIC DIAGRAM (2/9)

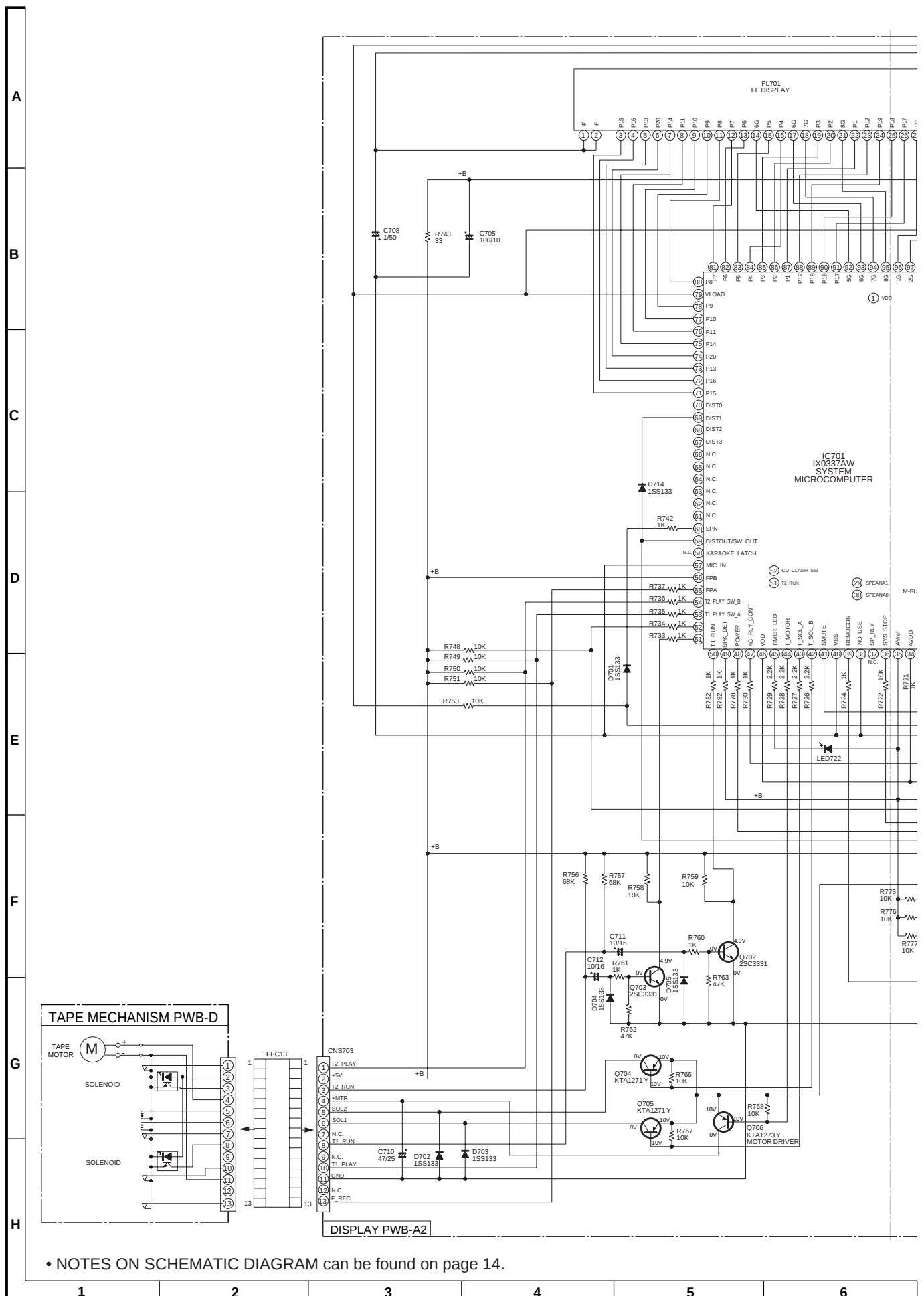


Figure 20 SCHEMATIC DIAGRAM (3/9)

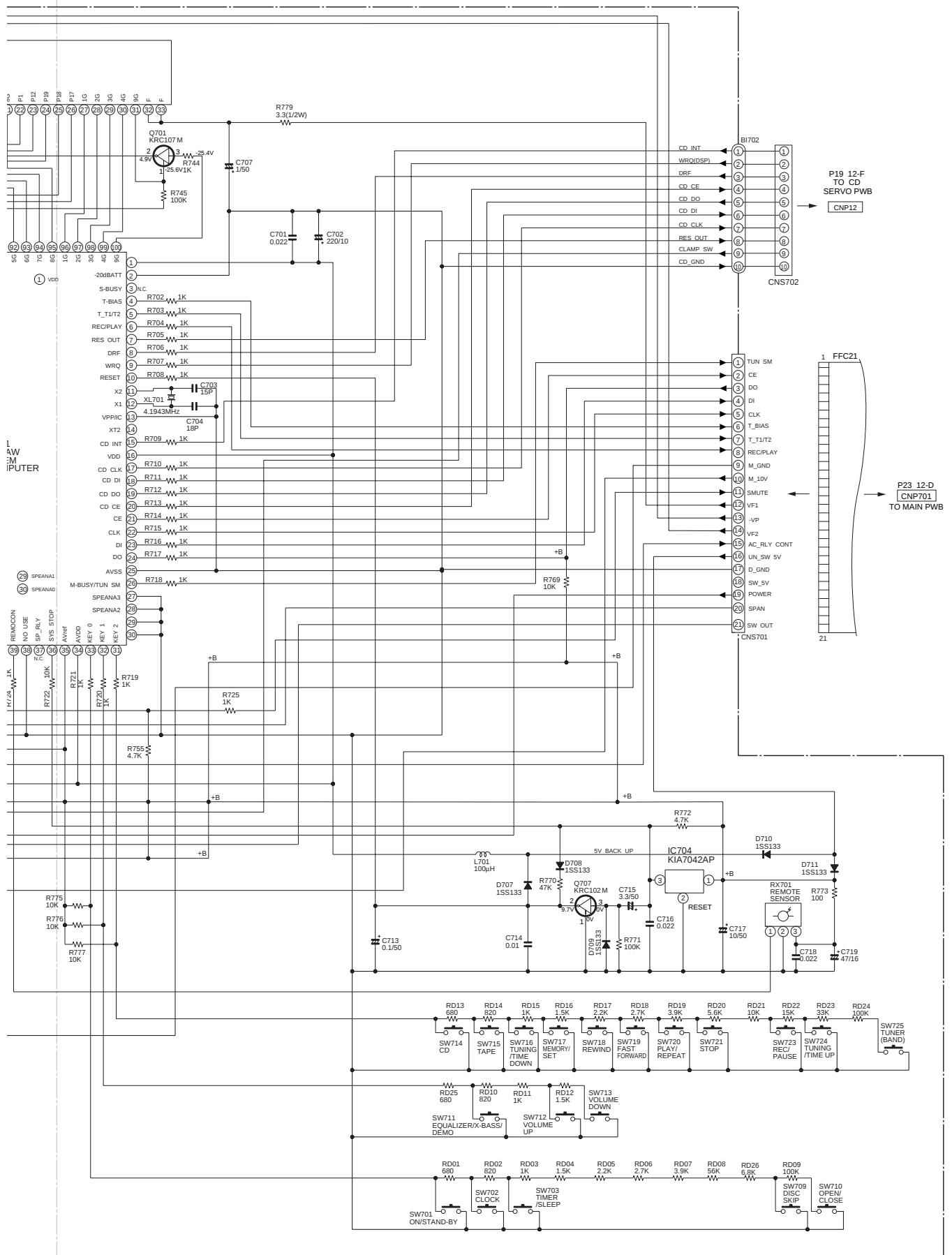


Figure 21 SCHEMATIC DIAGRAM (4/9)



- 22 -

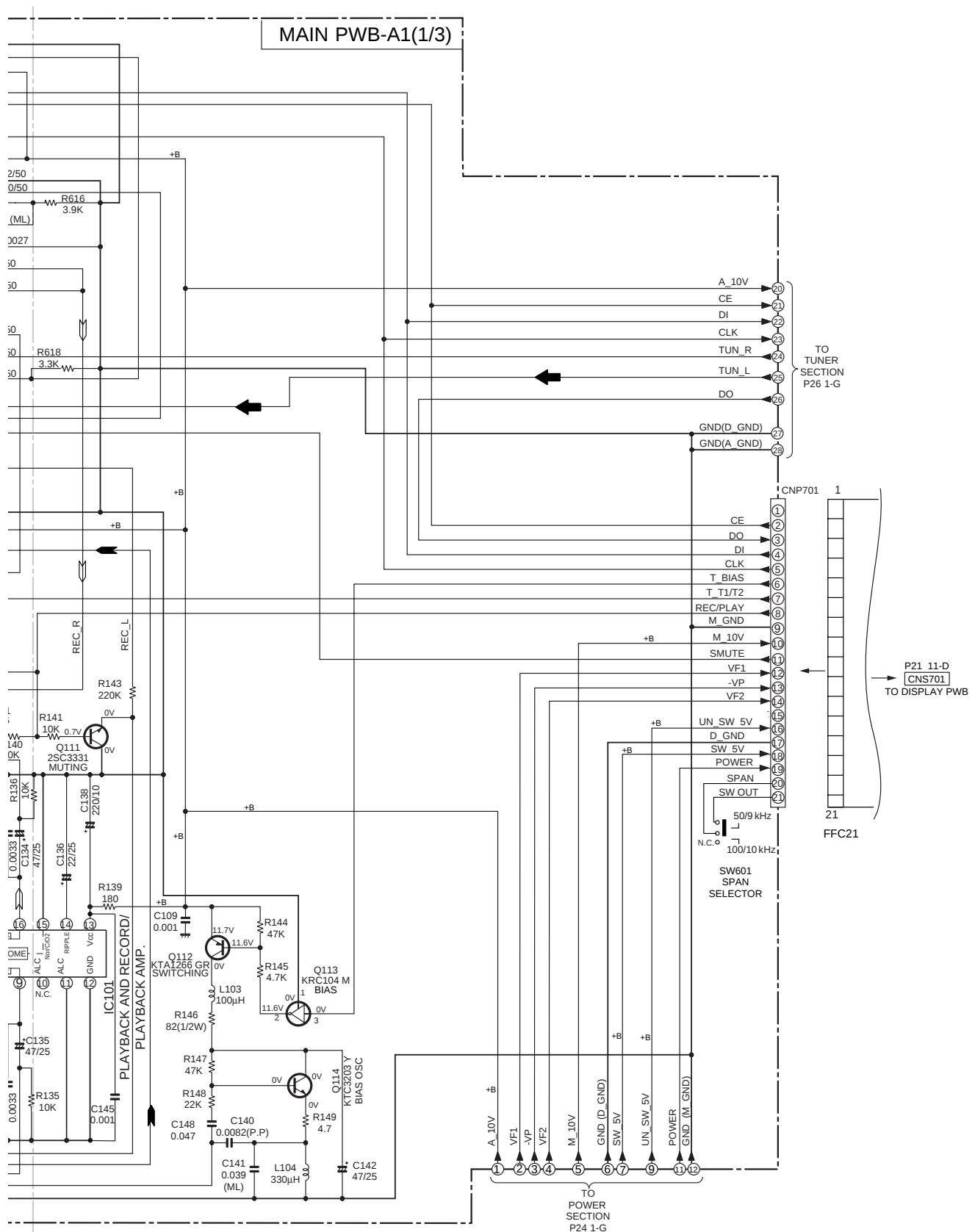


Figure 23 SCHEMATIC DIAGRAM (6/9)

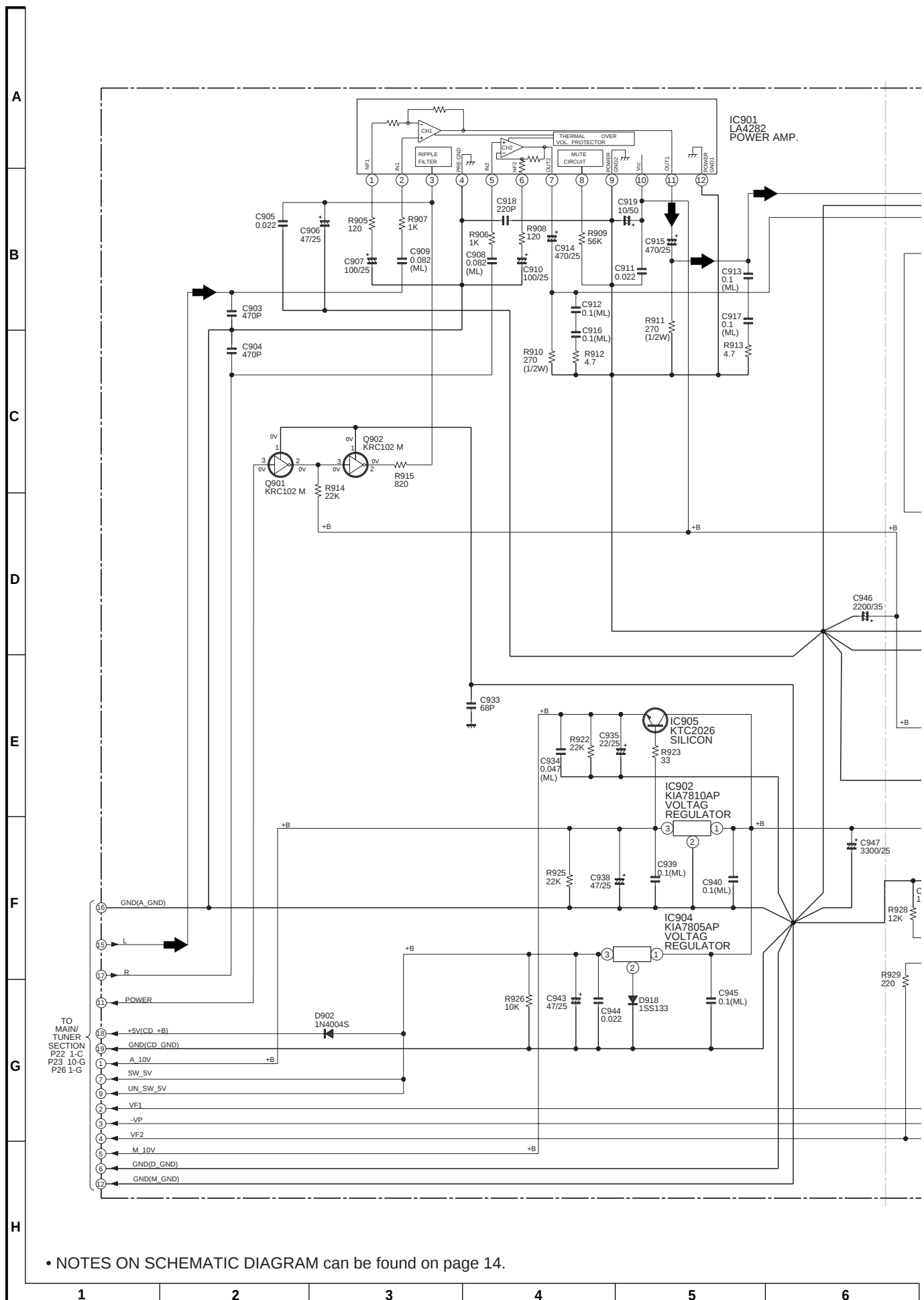


Figure 24 SCHEMATIC DIAGRAM (7/9)

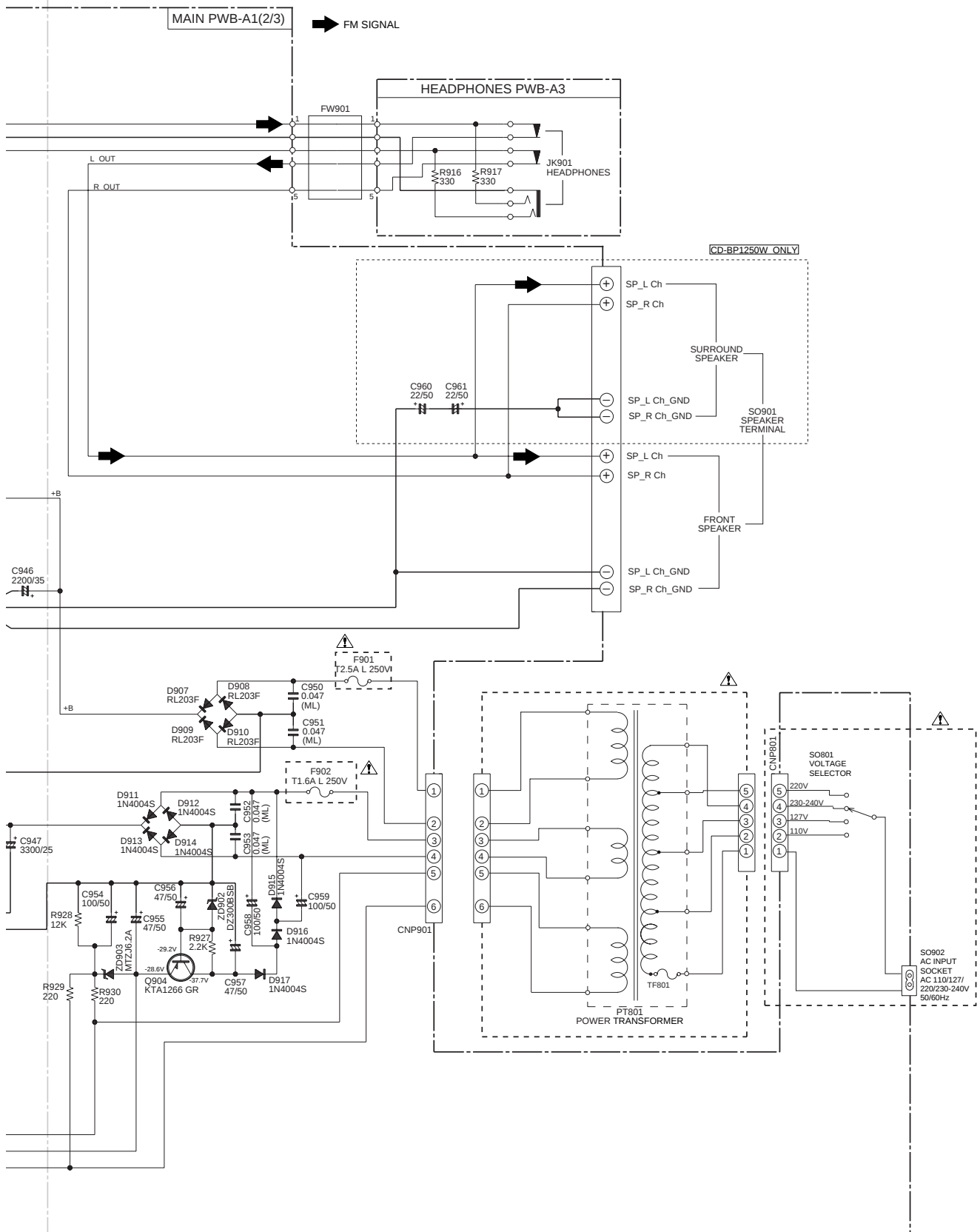


Figure 25 SCHEMATIC DIAGRAM (8/9)

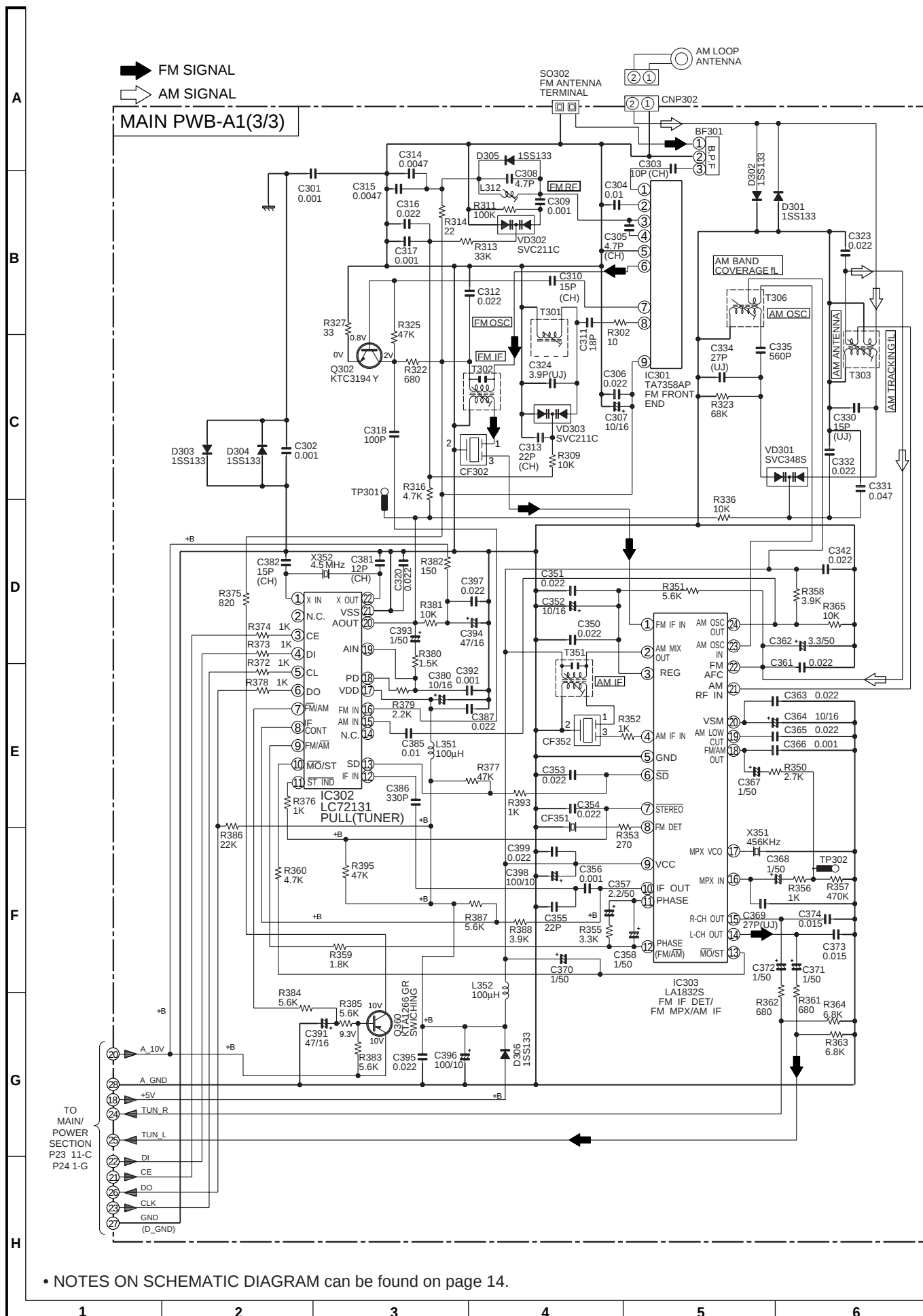


Figure 26 SCHEMATIC DIAGRAM (9/9)

VOLTAGE

IC1	
PIN NO.	VOLTAGE
1	1.6V
2	1.6V
3	1.6V
4	1.6V
5	1.6V
6	1.6V
7	0V
8	2.6V
9	0V
10	0V
11	0V
12	3.3V
13	1.6V
14	1.6V
15	1.6V
16	0V
17	0V
18	1.6V
19	1.6V
20	1.6V
21	1.6V
22	1.6V
23	0V
24	1.6V
25	0V
26	0V
27	0V
28	1.6V
29	1.6V
30	3.3V

IC3	
PIN NO.	VOLTAGE
1	1.6V
2	1.6V
3	1.8V
4	2.1V
5	2.1V
6	2.1V
7	2.1V
8	0V
9	0V
10	0V
11	0V
12	0V
13	0V
14	0V
15	2.1V
16	2.1V
17	1.6V
18	4.9V
19	3.5V
20	1.6V
21	0V
22	0V
23	4.9V
24	4.9V
25	1.6V
26	2.1V
27	2.1V
28	1.9V
29	0V
30	0V
31	0V
32	0V
33	0V
34	0V
35	0V
36	4.2V
37	0V
38	2.1V
39	2.1V
40	4.9V
41	2.1V
42	2.1V

IC2	
PIN NO.	VOLTAGE
1	0.7V
2	0V
3	0V
4	0V
5	3.3V
6	2.4V
7	0V
8	0V
9	1.6V
10	0V
11	4.7V
12	1.7V
13	0V
14	1.6V
15	1.6V
16	1.6V
17	1.6V
18	3.3V
19	0V
20	1.6V
21	1.6V
22	1.6V
23	1.6V
24	1.6V
25	1.6V
26	1.6V
27	1.6V
28	0V
29	0V
30	2.1V
31	2.1V
32	0V
33	3.3V
34	3.5V
35	3.3V
36	3.3V
37	3.3V
38	1.6V
39	1.6V
40	0V
41	0V
42	3.3V
43	3.3V
44	3.0V
45	1.5V
46	0V
47	0V
48	1.5V
49	3.0V
50	3.3V
51	1.8V
52	3.0V
53	0V
54	0V
55	0V
56	0V
57	1.7V
58	3.3V
59	0V
60	3.0V
61	1.6V
62	0V
63	2.4V
64	0V
65	0V
66	0V
67	0V
68	4.8V
69	4.9V
70	4.9V
71	4.6V
72	0V
73	4.9V
74	0V
75	0V
76	0V
77	3.2V
78	0V
79	0V
80	3.4V

IC101	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0.55V
4	2.16V
5	0V
6	1.25V
7	0V
8	0.58V
9	3.71V
10	3.55V
11	0V
12	0V
13	7.42V
14	4.37V
15	0V
16	3.67V
17	0.38V
18	0V
19	0V
20	0V
21	2.18V
22	0.55V
23	0V
24	0V

IC301	
PIN NO.	VOLTAGE
1	0.8V (0V)
2	1.5V (0V)
3	3.6V (0.4V)
4	1.5V (0V)
5	0V (0V)
6	3.6V (0.4V)
7	2.8V (0.2V)
8	3.5V (0.3V)
9	3.6V (0.3V)

IC302	
PIN NO.	VOLTAGE
1	2.15V
2	0V
3	0V
4	0V
5	0V
6	4.83V
7	9.87V
8	4.4V
9	0V
10	0V
11	4.64V
12	2.27V
13	4.65V
14	0V
15	2.13V
16	0V
17	4.86V
18	0.73V
19	0.73V
20	6.3V
21	0V
22	2.33V

IC901	
PIN NO.	VOLTAGE
1	0V
2	0V
3	16.27V
4	0V
5	0V
6	0V
7	16.72V
8	0V
9	0V
10	34.2V
11	16.6V
12	0V

IC902	
PIN NO.	VOLTAGE
1	19.12V
2	0V
3	10.04V

IC904	
PIN NO.	VOLTAGE
1	19.12V
2	0.64V
3	5.64V

Q903	
PIN NO.	VOLTAGE
1	10.04V
2	19.05V
3	9.57V

IC704	
PIN NO.	VOLTAGE
1	4.9V
2	0V
3	4.9V

IC601	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	4.96V
5	4.96V
6	4.96V
7	4.96V
8	4.89V
9	4.78V
10	4.78V
11	4.78V
12	4.78V
13	4.78V
14	4.78V
15	4.78V
16	4.78V
17	5.1V
18	5.5V
19	5.0V
20	4.66V
21	5.03V
22	4.97V
23	10.0V
24	0V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.78V	51	4.29V
2	0V	52	0V
3	5.0V	53	4.81V
4	0V	54	4.81V
5	4.69V	55	4.81V
6	4.74V	56	4.81V
7	4.76V	57	0V
8	0V	58	0V
9	4.85V	59	-27.8V
10	4.30V	60	-27.8V
11	2.25V	61	0V
12	1.16V	62	0V
13	0V	63	0V
14	0V	64	0V
15	4.85V	65	0V
16	4.78V	66	0V
17	4.67V	67	-27.7V
18	0V	68	-27.7V
19	4.69V	69	-27.1V
20	0V	70	-28.2V
21	0V	71	-21.7V
22	0V	72	-18.6V
23	0V	73	-12.9V
24	4.82V	74	-24.4V
25	0V	75	-25.9V
26	0.3V	76	-15.7V
27	0V	77	-22.2V
28	0V	78	-22.3V
29	0V	79	-27.8V
30	0V	80	-18.6V
31	4.81V	81	-12.9V
32	4.81V	82	-24.4V
33	4.81V	83	-24.4V
34	4.9V	84	-27.1V
35	5.0V	85	-27.1V
36	4.9V	86	-24.4V
37	0V	87	-24.4V
38	0V	88	-27.1V
39	5.0V	89	-27.1V
40	0V	90	-24.4V
41	1.7V	91	-27.1V
42	9.45V	92	-24.4V
43	9.45V	93	-27.1V
44	9.45V	94	-24.4V
45	3.8V	95	-24.4V
46	4.89V	96	-24.4V
47	0V	97	-24.4V
48	4.89V	98	-24.4V
49	4.78V	99	-24.4V
50	4.78V	100	-24.4V

IC303	
PIN NO.	VOLTAGE
1	2.12V
2	4.78V
3	2.12V
4	2.11V
5	0V
6	4.65V
7	4.65V
8	3.02V
9	4.78V
10	4.08V
11	1.63V
12	1.13V
13	2.08V
14	1.31V
15	1.29V
16	2.07V
17	0V
18	1.43V
19	1.99V
20	1.44V
21	2.08V
22	2.08V
23	4.78V
24	3.35V

– 28 –

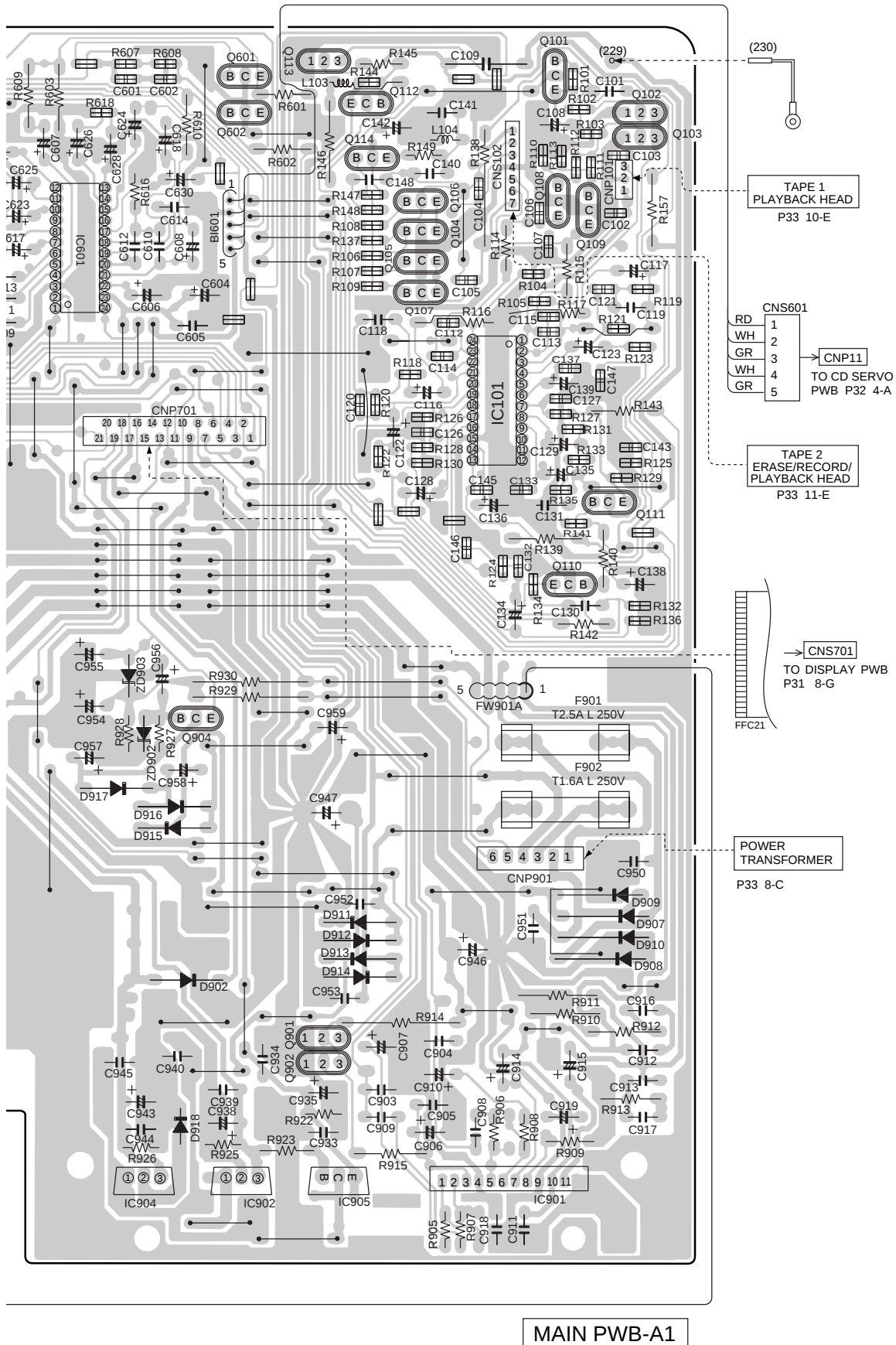


Figure 29 WIRING SIDE OF P.W.BOARD (2/6)

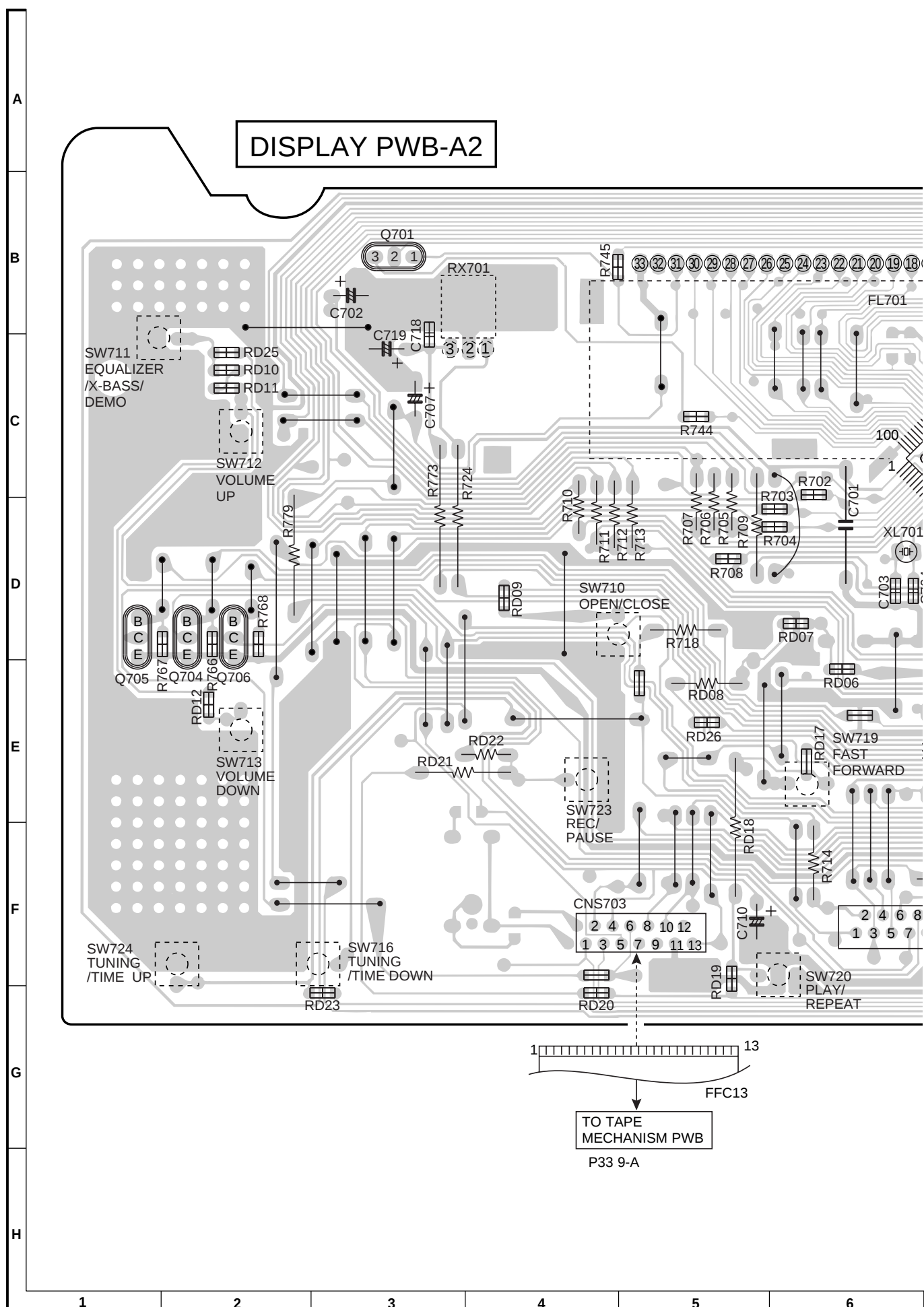


Figure 30 WIRING SIDE OF P.W.BOARD (3/6)

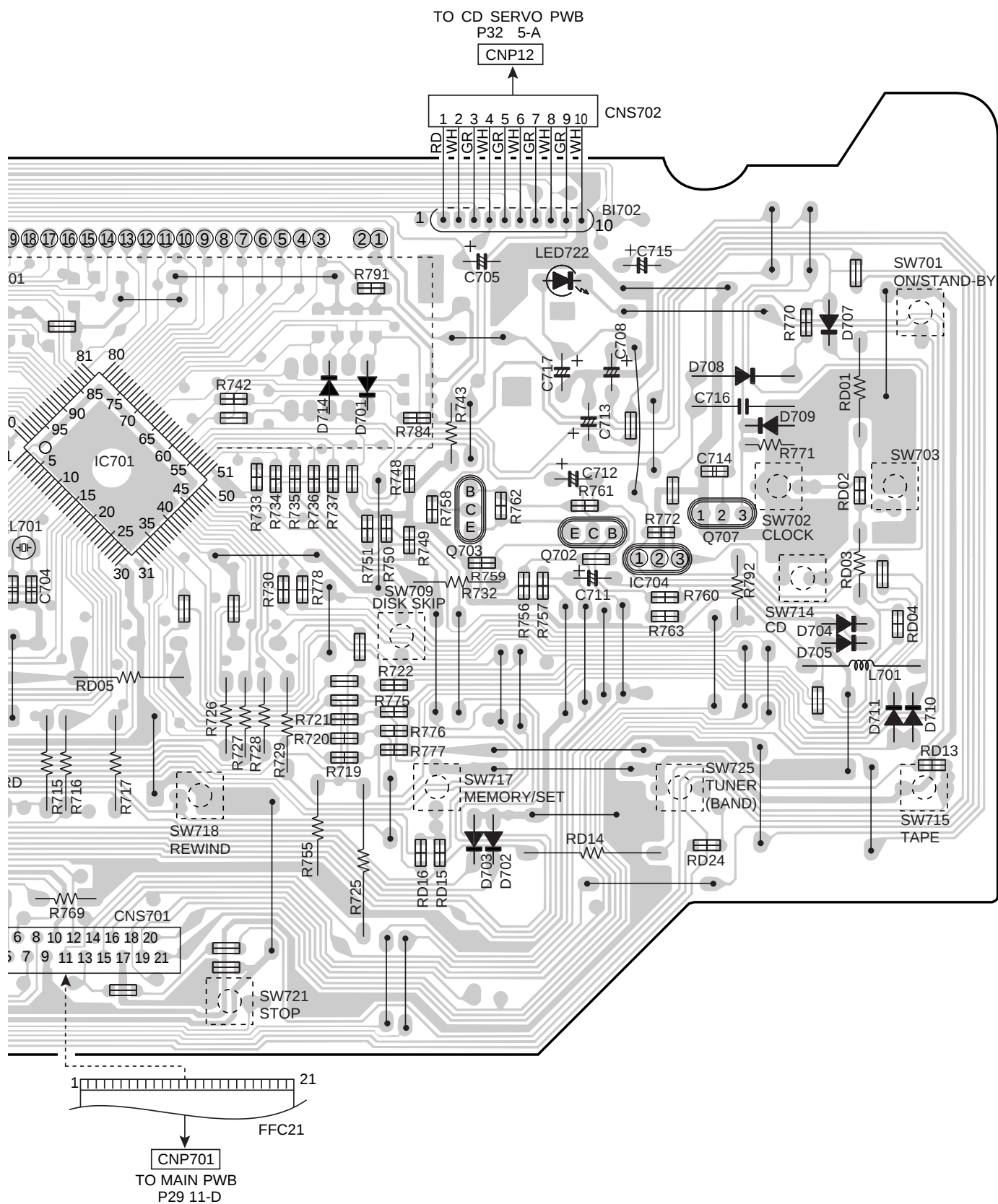


Figure 31 WIRING SIDE OF P.W.BOARD (4/6)



- 32 -

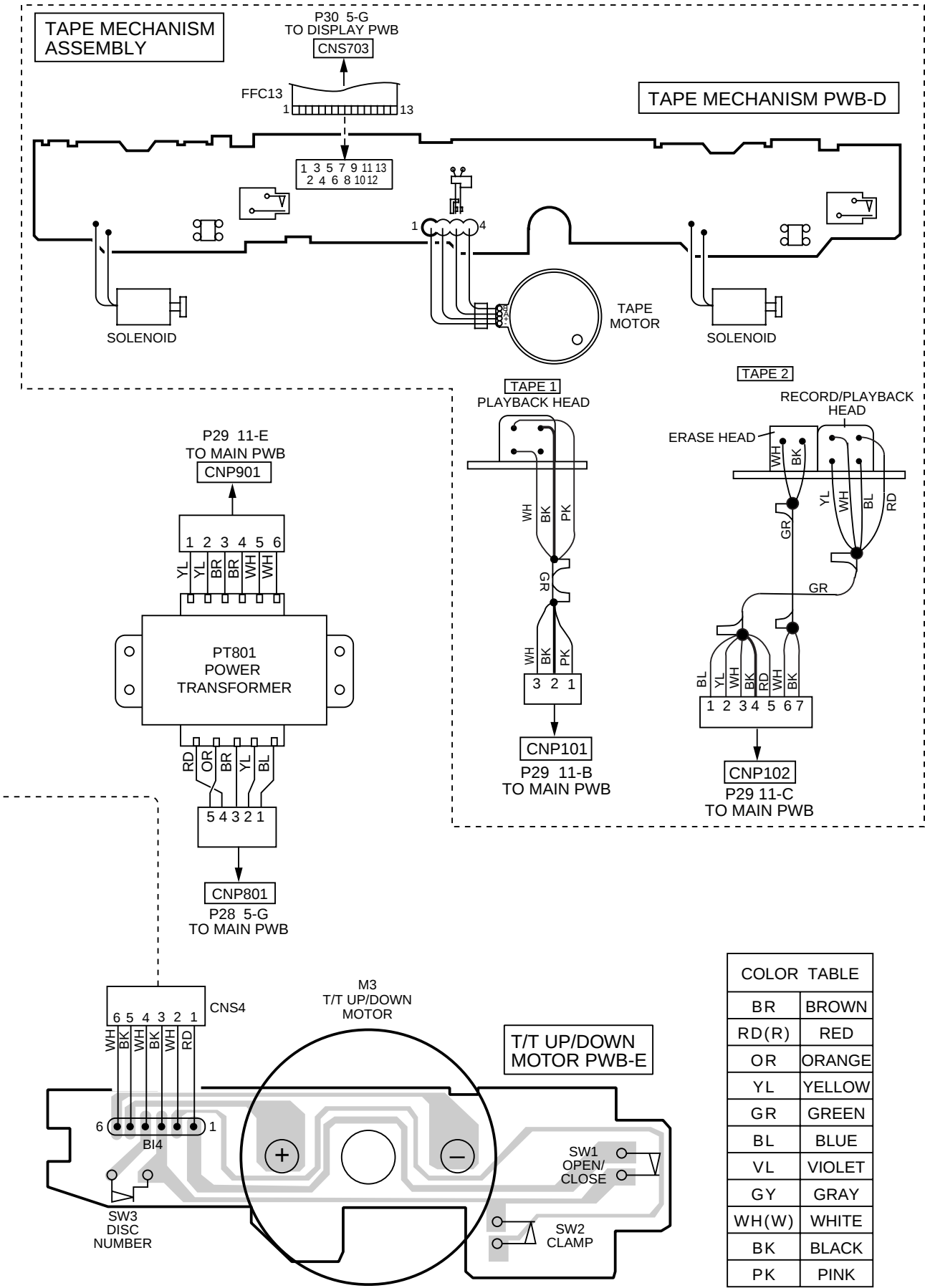
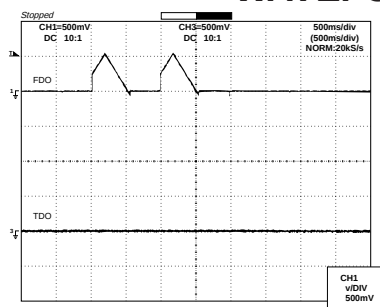


Figure 33 WIRING SIDE OF P.W.BOARD (6/6)

WAVEFORMS OF CD CIRCUIT

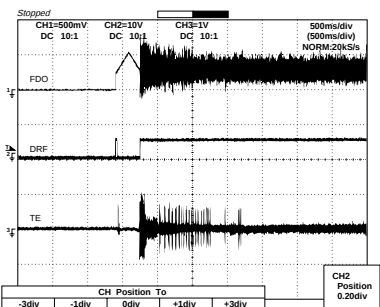
① IC2 (24)



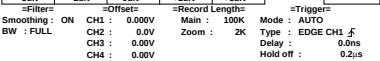
② IC2 (23)



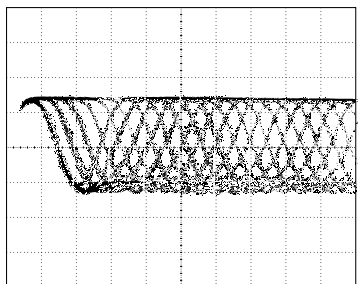
③ IC2 (24)



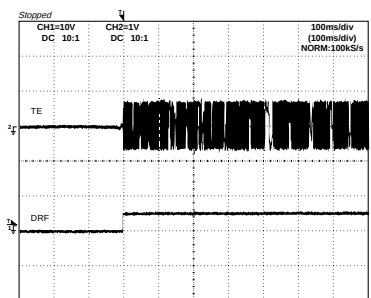
④ IC2 (18), IC2 (16)



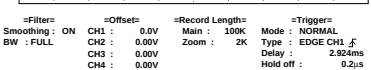
⑤ IC1 (27)



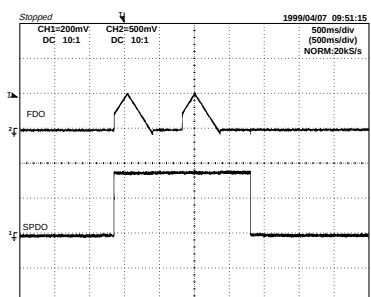
④ IC1 (18), IC2 (16)



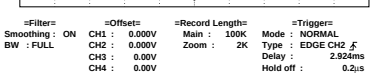
③ IC2 (72)



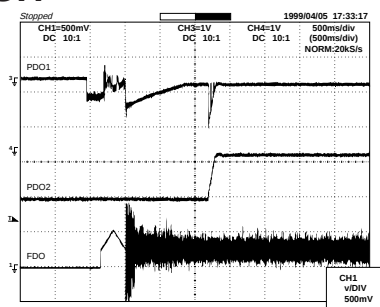
① IC2 (24)



⑥ IC2 (25)



⑦ IC2 (1)



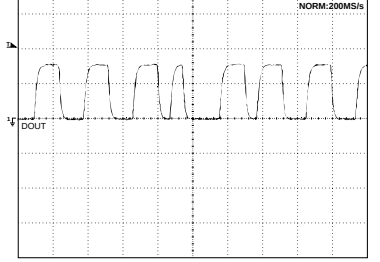
⑧ IC2 (2)



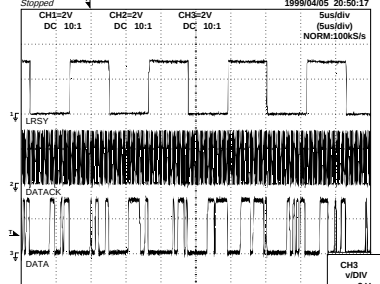
① IC2 (24)



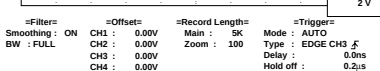
⑨ IC2 (37)



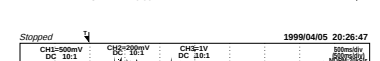
⑩ IC2 (57)



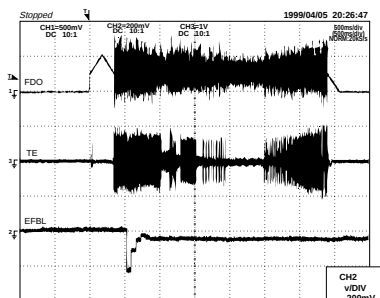
⑪ IC2 (58)



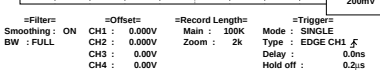
⑫ IC2 (59)



① IC2 (24)



④ IC1 (18), IC2 (16)



⑬ IC1 (13), IC2 (22)



TROUBLE SHOOTING

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 trouble shooting 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.

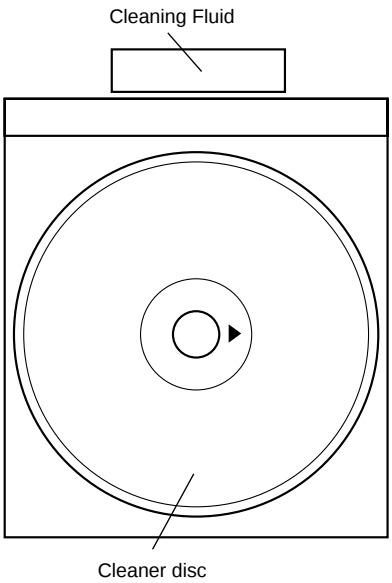
		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

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 continuous 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 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 disk 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.



When a CD cannot be played

1. "E-CD01" is displayed.

- (1) Check the power to IC2 (LC78641E), the presence of the clock signal (16.93 MHz) and the status of the RESET terminal (pin 71 on IC2).
- (2) Does the pickup move to the PICKUP-IN Switch (SW4) position?

If (1) and (2) are OK, check the system microcomputer (especially the communication line with the DSP).

2. Pressing the CD operation key is accepted, but playback does not occur.

- (1) Focus-HF system check
- (2) Tracking system check
- (3) Spin system check
- (4) PLL system check
- (5) Others

(1) Focus-HF system check

Although a CD is inserted and the cover is closed, "NO DISC" is displayed.

Press the OPEN/CLOSE switch (SW1) without inserting a disc, and try starting the playback operation.

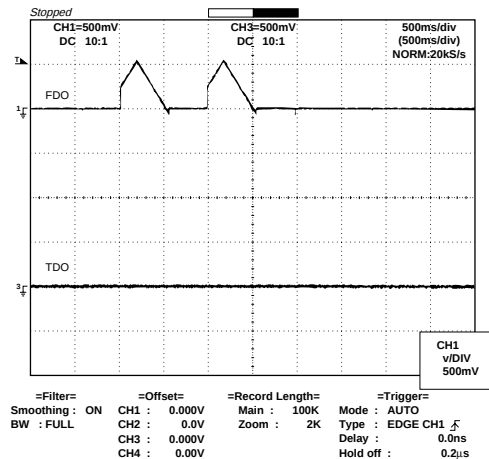


Figure 36-1

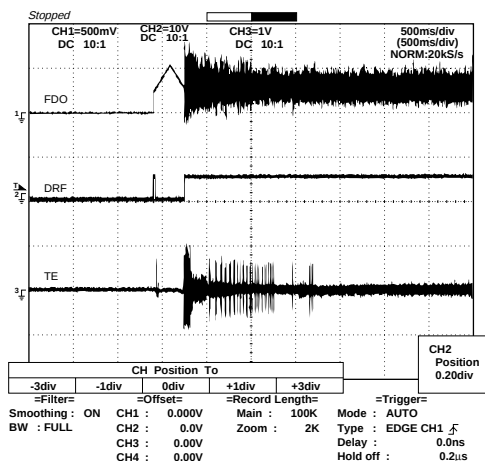
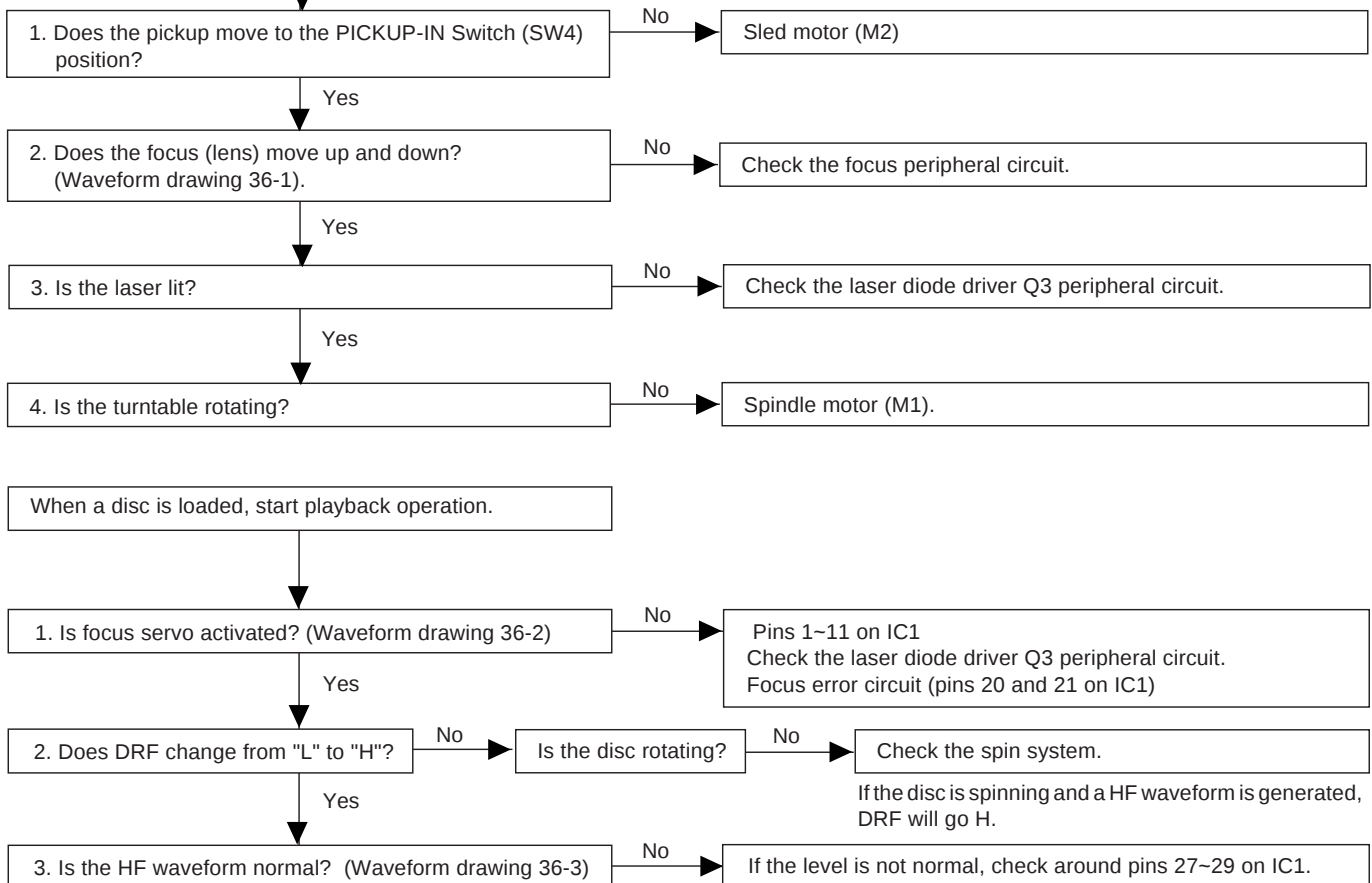


Figure 36-2

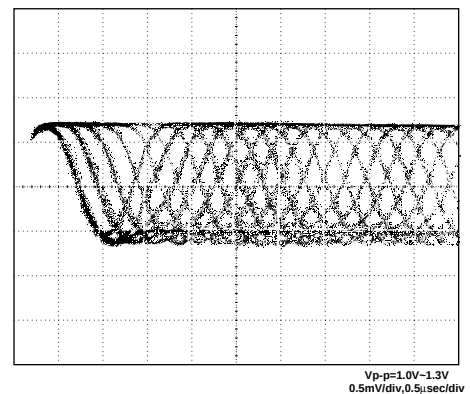


Figure 36-3

(2) Tracking system check

Check the TE waveform at pin 18 on IC1.

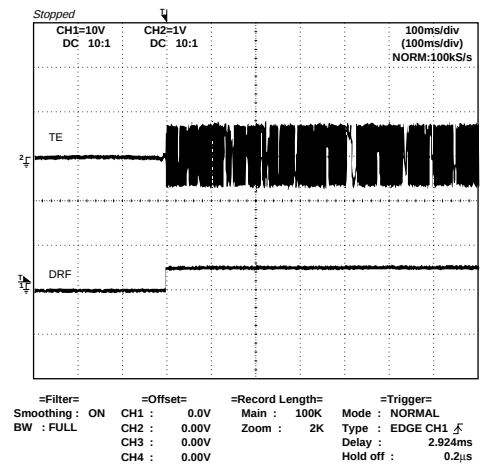
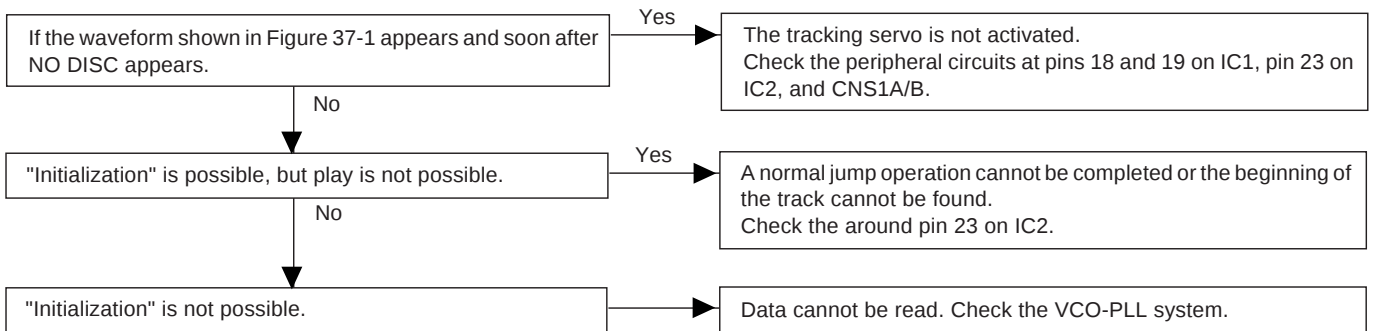


Figure 37-1

(3) Spin system check

Press the OPEN/CLOSE switch without inserting a disc, and then try starting the play operation.

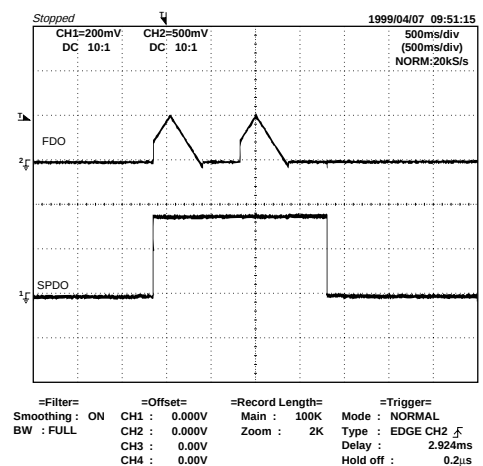
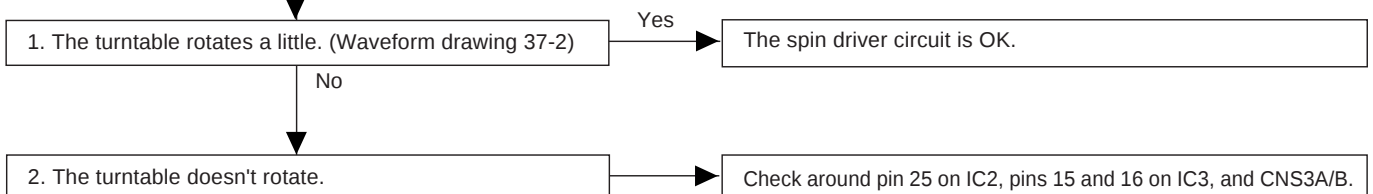


Figure 37-2

CD-BP1200W/1250W

(4) PLL system check

When a disc is loaded, start play operation.

The HF waveform is normal, but the TOC data cannot be read.

Check the PDO waveform. (Figure 38-1)

Check around pins 1~6 on IC2.

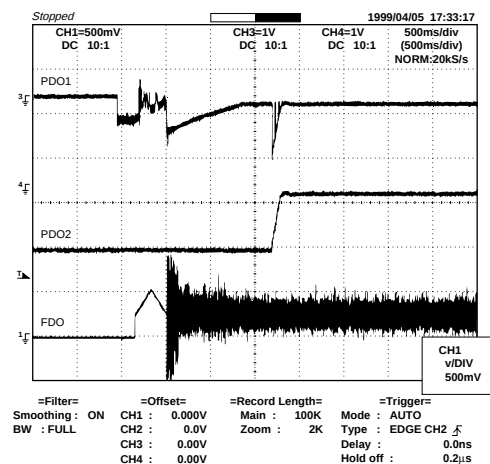


Figure 38-1

(5) Others

The HF waveform is normal and the time is displayed normally, but no sound is produced. Or the sound has dropouts.

Is pin 35 (C2F) on IC2 "L"?

Yes

1. When playing at normal speed
Check the peripheral circuit at pin 37 (DOUT) on IC2 and the waveform (Figure 38-2).

If OK, check the unit.

No

There are too many error flags on a damaged disc which makes error correction impossible.

Check again using a known good disc.

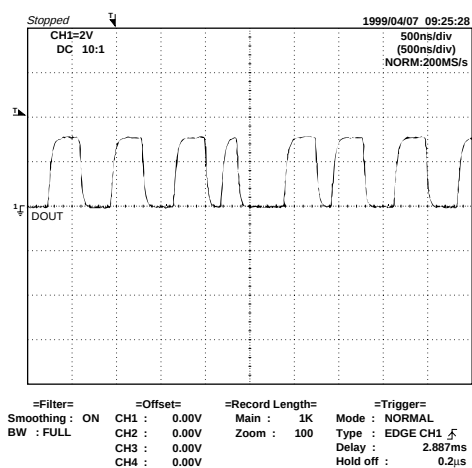
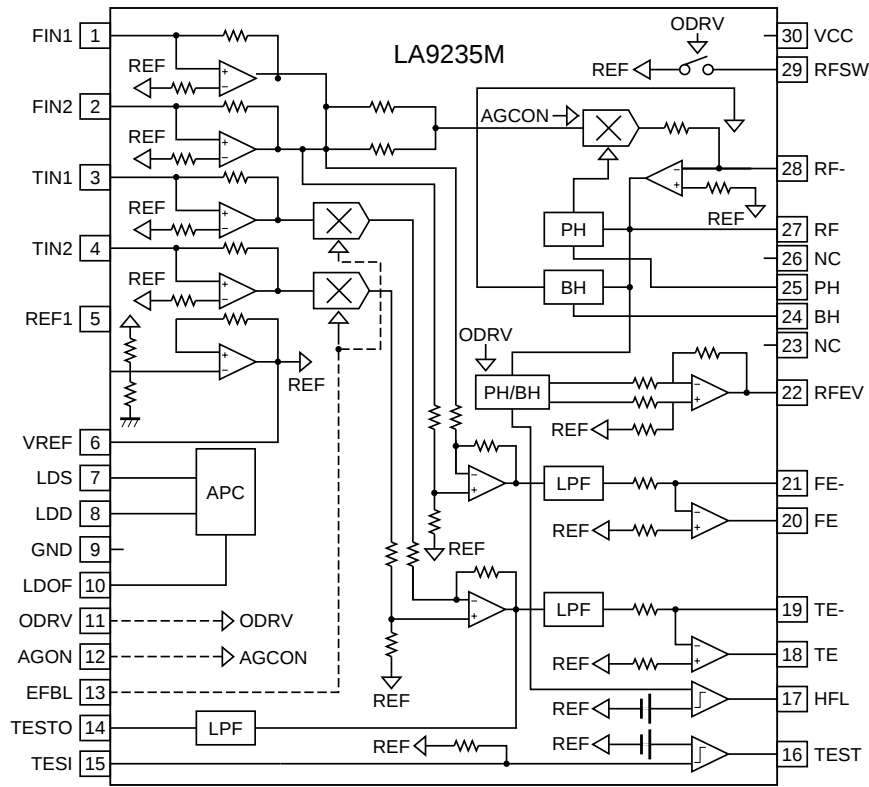


Figure 38-2

FUNCTION TABLE OF IC

IC1 VHiLA9235M/-1: Servo Amp. (LA9235M)



IC2 VHiLC78641E-1: Servo/Signal Control (LC78641E)

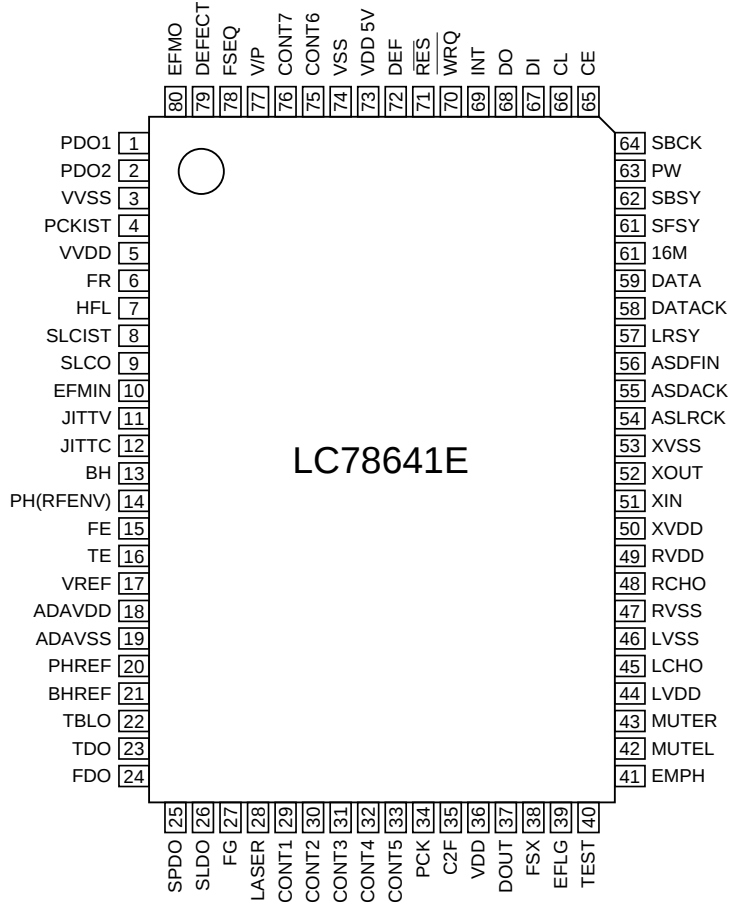


Figure 39 BLOCK DIAGRAM OF IC

IC2 VHiLC78641E-1: Servo/Signal Control (LC78641E) (1/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
1	PDO1	Output	–	For PULL	Phase-comparison output terminal for built-in VOC control.
2	PDO2	Output	–		Phase-comparison output terminal for built-in VOC control. Rough servo : OFF, phase servo : ON.
3	VVSS	–	–		Ground terminal for built-in VCO.
4	PCKIST	AI	–		Resistor terminal for setting the PDO output current.
5	VVDD	–	–		Power terminal for built-in VCO.
6	FR	AI	–		Resistor terminal for setting the VCO frequency range.
7	HFL	Input	–	Mirror detection signal input terminal.	
8	SLCIST	AI	–	For slice level control	Resistance connection terminal for current adjustment of SLCO output.
9	SLCO	Output	–		Control output.
10	EFMIN	Input	–		EFM signal input terminal.
11*	JITTV	Output	Unfixed	Jitter detection/monitor terminal.	
12	JITTC	Output	–	Jitter detection/adjustment terminal.	
13	BH	Input	–	BH signal input terminal. A/D input.	
14	PH(RFENV)	Input	–	PH signal or RFENV signal input terminal. A/D input.	
15	FE	Input	–	FE signal input terminal. A/D input.	
16	TE	Input	–	TE signal input terminal. A/D input.	
17	VREF	Input	–	VREF signal input terminal. A/D input.	
18	ADAVDD	–	–	AD for servo, D/A power terminal.	
19	ADAVSS	–	–	AD for servo, D/A ground terminal.	
20*	PHREF	Output	(1/2VDD)	PH reference output terminal. D/A output.	
21*	BHREF	Output	(1/2VDD)	BH reference output terminal. D/A output.	
22	TBLO	Output	(1/2VDD)	Output terminal for tracking balance. D/A output.	
23	TDO	Output	(1/2VDD)	Output terminal for tracking control. D/A output.	
24	FDO	Output	(1/2VDD)	Output terminal for focus control. D/A output.	
25	SPDO	Output	(1/2VDD)	Output terminal for spindle control. D/A output.	
26	SLDO	Output	(1/2VDD)	Output terminal for sled control. D/A output.	
27*	FG	Input	–	FG signal input terminal. (When not used, connect to 0V)	
28	LASER	Output	L	LASER ON/OFF control terminal.	
29	CONT1	In/Output	Input mode	General purpose input/output terminal 1.	Controlled with serial data command from microcomputer. When not used, set it as the input terminal and open it by connecting to 0V, or set it as the output terminal and open it.
30	CONT2	In/Output	Input mode	General purpose input/output terminal 2.	
31	CONT3	In/Output	Input mode	General purpose input/output terminal 3.	
32	CONT4	In/Output	Input mode	General purpose input/output terminal 4.	
33	CONT5	In/Output	Input mode	General purpose input/output terminal 5.	
34*	PCK	Output	H	Clock monitor terminal for EFM data replay. 4.3218 MHz as phase clock.	
35*	C2F	Output	H	C2 flag output terminal.	
36	VDD	–	–	Power terminal of digital system.	
37*	DOUT	Output	L	Output terminal of digital OUT. (EIAJ format)	
38*	FSX	Output	L	Output terminal of synchronous signal of 7.35 kHz divided from quartz oscillation.	
39*	EFLG	Output	L	C1, C2 correct monitor terminal.	
40	TEST	Input	–	Input terminal for test. Surely connected to 0V.	
41*	EMPH	In/Output	Input mode	Emphasis terminal. After resetting, it is configured as an input terminal. It can be controlled from the outside. It is also becomes a emphasis monitor terminal under command control.	
42*	MUTEL	Output	H	Mute output terminal for L channel.	
43*	MUTER	Output	H	Mute output terminal for R channel.	

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

IC2 VHiLC78641E-1: Servo/Signal Control (LC78641E) (2/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
44	LVDD	—	—	L channel	Power terminal for L channel.
45	LCHO	Output	1/2VDD	D/A converter	L channel output terminal.
46	LVSS	—	—		Ground terminal for L channel. Surely connected to 0V.
47	RVSS	—	—	R channel	Ground terminal for R channel. Surely connected to 0V.
48	RCHO	Output	1/2VDD	D/A converter	R channel output terminal.
49	RVDD	—	—		Power terminal for R channel.
50	XVDD	—	—	For quartz oscillation	Power terminal for quartz oscillation.
51	XIN	Input	Oscillation		Ground terminal of 16.9344 MHz quartz oscillation.
52	XOUT	Output	Oscillation		
53	XVSS	—	—		
54	ASLRCK	Input	—	For anti shock mode	L/R clock input terminal. (When not used, connect to 0V)
55	ASDACK	Input	—		Bit clock input terminal. (When not used, connect to 0V)
56	ASDFIN	Input	—		L/R channel data input terminal. (When not used, connect to 0V)
57*	LRSY	Output	L	For digital data output	L/R clock output terminal.
58*	DATAACK	Output	L		Bit clock output terminal.
59*	DATA	Output	L		L/R channel data output terminal.
60*	16M	Output	Clock output	16.9344MHz output terminal.	
61*	SFSY	Output	L	Output terminal of synchronous signal of subcode frame. It drops when subcode stand by.	
62*	SBSY	Output	L	Output terminal of synchronous signal of subcode block.	
63*	PW	Output	L	Output terminal of sub codes P,A,R,S,T,U and W.	
64	SBCK	Input	—	Clock input terminal to read sub code. (When not used, connect to 0V)	
65	CE	Input	—	For microcomputer interface	Chip enable signal input terminal.
66	CL	Input	—		Data transmission clock input terminal.
67	DI	Input	—		Data input terminal.
68	DO	Output	L		Data output terminal.
69	INT	Output	H		Interruption signal output terminal.
70	WRQ	Output	H		Interruption signal output terminal.
71	RES	Input	—	Reset input terminal of LC78640. When turning on power, set it at "L".	
72	DEF	Output	L	Focus ON detection terminal.	
73	VDD5V	—	—	Power terminal for microcomputer interface.	
74	VSS	—	—	Ground terminal of digital system. Surely connected to 0V.	
75	CONT6	In/Output	Input mode	General purpose input/output terminal 6.	Controlled with serial data command from microcomputer. When not used, set it as the input terminal and open it by connecting to 0V, or set it as the output terminal and open it.
76	CONT7	In/Output	Input mode	General purpose input/output terminal 7.	
77*	V/P	Output	H	Monitor output terminal for automatic switch of rough servo/phase control. "H" for rough servo, and "L" for phase servo.	
78*	FSEQ	Output	L	Output terminal synchronous signal detection. "H" is output when synchronous signal detected by EFM signal matches synchronous signal internally generated.	
79	DEFECT	In/Output	Input mode	Defect terminal. After resetting, it is configured as an input terminal. It can be controlled from the outside. It also becomes a defect monitor terminal under command control	
80*	EFMO	Output	Unfixed	EFM signal output terminal.	

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

Be sure to supply the same potential to each power terminal. (VDD, ADAVDD, VDD, LVDD, RVDD, XVDD)

Terminal which is controlled by the power terminal (VDD5V) for a microcomputer interface :

CE (65pin), CL (66pin), DI (67pin), DO (68pin), INT (69pin), WRQ (70pin), RES (71pin), DEF (72pin), CONT6 (75pin), CONT7 (76pin)

CD-BP1200W/1250W

IC701 RH-iX0337AWZZ: System Microcomputer (IX0337AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VDD	VDD	—	(+) Power supply
2	P37	-20dBATT	—	-20dB Attenuator
3*	P36	S-BUSY	Output	Communicate to mpeg microcomputer
4	P35	T-BIAS	Output	Tape record bias
5	P34	T_T1/T2	Output	Tape T1/T2 change
6	P33	REC/PLAY	Output	Tape REC/PLAY change
7	P32	RES OUT	Output	CD DSP reset & mpeg microcomputer reset
8	P31	DRF	Input	CD RF level detection
9	P30	WRQ	Input	CD DSP write request
10	RESET	RESET	Input	Reset
11	X2	X2	Output	Main clock
12	X1	X1	Input	Main clock
13	VPP/IC	VPP/IC	—	GND
14*	XT2	XT2	—	Open
15	P04	CD INT	Input	CD DSP interrupt
16	VDD	VDD	—	(+) Power supply
17	P27	CD CLK	Output	CD DSP clock/mpeg microcomputer clock
18	P26	CD DI	Output	CD DSP command/mpeg microcomputer comma
19	P25	CD DO	Input	CD DSP code Q out/mpeg microcomputer data input
20	P24	CD CE	Output	CD DSP CE output
21	P23	CE	Output	CE output
22	P22	CLK	Output	Clock output
23	P21	DI	Output	Data output
24	P20	DO	Output	Data input
25	AVSS	AVSS	—	Analog ground
26	ANI7 P17	TUN SM/ M-BUSY	Input Input	Tuner signal meter input Communicate to mpeg microcomputer M_Busy
27	ANI6	SPEANA3	Input	Speana data input 16 kHz
28	ANI5	SPEANA 2	Input	Speana data input 16 kHz
29	ANI4	SPEANA 1	Input	Speana data input 1 kHz
30	ANI3	SPEANA 0	Input	Speana data input 63 kHz
31-33	ANI2-ANI0	KEY2-KEY0	Input	Key input
34	AVDD	AVDD	—	Analog VDD
35	AVREF	AVREF	—	Analog ref voltage
36	INTP3	SYS STOP	Input	System stop input
37*	P02	SP-RLY	Output	Speaker output relay control
38	INTP1	NO USED	Input	GND
39	INTP0	REMOCON	Input	Remocon input
40	VSS	VSS	—	Ground voltage
41	P74	SMUTE	Output	System mute control
42	P73	T_SOL_B	Output	Tape 2 solenoid control
43	P72	T_SOL_A	Output	Tape 1 solenoid control
44	P71	T_MOTOR	Output	Tape motor control
45	P70	TIMER LED	Output	Timer LED control
46	VDD	VDD	—	(+) Power supply
47	P127	AC RLY_CONT	Output	AC relay control
48	P126	POWER	Output	Speaker output relay control
49	P125	SP-DET	Input	Speaker output detection
50	P124	T1 RUN	Input	Tape 1 run pulse input
51	P123	T2 RUN	Input	Tape 2 run pulse input
52	P122	CD CLAMP SW	Input	CD changer clamp switch
53	P121	T1 PLAY SW_A	Input	PLAY switch for T1

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

IC701 RH-iX0337AWZZ: System Microcomputer (IX0337AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
54	P120	T2 PLAY SW_B	Input	PLAY switch for T2
55	P119	FPA	Input	Tape 2 A-Side full proof
56	P118	FPB	Input	Tape 2 B_Side full proof
57	P117	MIC IN	Input	MIC switch
58*	P116	KARAOKE LATCH	Output	Karaoke latch (When not used. Connect to 0V)
59	P115	DISTOUT/SW OUT	Output	Destination output
60	FIP39	SPN	Input	Tuner span change
61*-62*	FIP38-FIP37	NO USE	Input	Open
63*-66*	FIP36-FIP33	P22-P19	Output	FL display driver
67*-70*	FIP32-FIP29	P18-P15	Output	FL display driver
(68*,69)	P103-P100	DIST3-DIST0	Input	Destination input
71-78	FIP28-FIP21	P9-P15	Output	FL display driver
79	VLOAD	VLOAD	—	FL driver (–) power supply.–30V
80-85	FIP20-FIP15	P3-P8	Output	FL display segment
86-89	FIP14-FIP11	P19,12,1,2	Input	Open
90-100	FIP30-FIP0	G9-G1,P17,P18	Output	FL display segment driver

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

IC3 VHiM63001FP-1: Focus/Tracking/Spin/Sled Driver (M63001FP)

Pin No.	Terminal Name	Function
1	TO	CH2 inverted input.
2	FD	CH1 inverted input.
3	FO	CH1 output offset control.
4	FO+	CH1 inverted output.
5	FO-	CH1 non-inverted output.
6	TR+	CH2 inverted output.
7	TR-	CH2 non-inverted output.
8-14	GND	GND
15	SL-	CH3 non-inverted output.
16	SL+	CH3 inverted output.
17	SLDO	CH3 inverted input.
18	VCC1	Power supply 1 (CH1, CH2, CH3)
19	STANDBY	STANDBY signal input.
20	VRFE	CH1-CH4 Reference voltage input.
21	MUTE	Mute signal input (CH6).
22	IN5-	CH5 inverted input.
23	IN5+	CH5 non-inverted input.
24	VCC2	Power supply 2 (CH4).
25	SPO SPDO	CH4 inverted input.
26	SP+	CH4 inverted output.
27	SP-	CH4 non-inverted output.
28	VCC3	Power supply 3 (CH5).
29-35	GND	GND
36*	OUT5+	CH5 non-inverted output.
37*	OUT5-	CH5 inverted output.
38	LOADING M-	CH6 non-inverted output.
39	LOADING M+	CH6 inverted output.
40	VCC4	Power supply 4 (CH6).
41	LD_M-	CH6 inverted input.
42	LD_M+	CH6 non-inverted input.

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

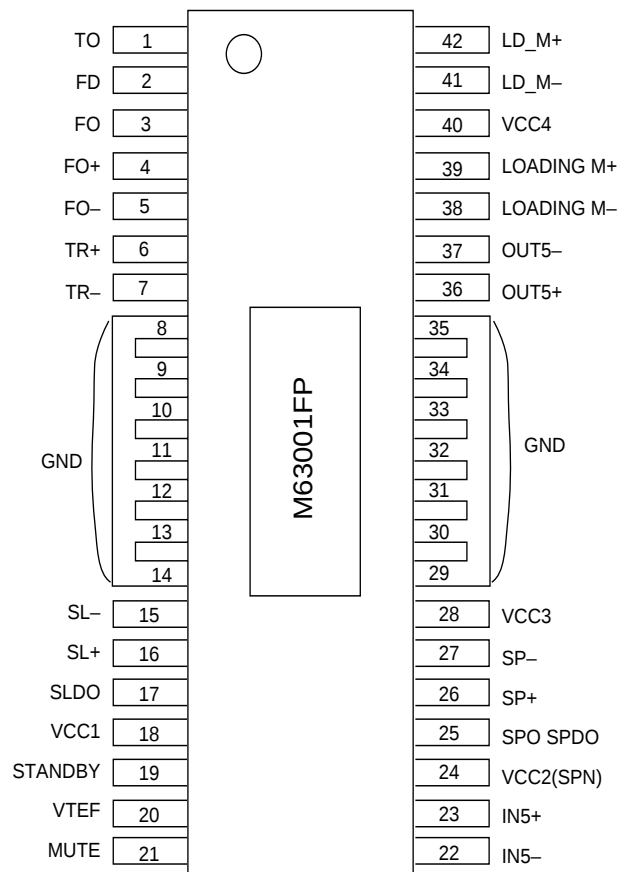


Figure 43 BLOCK DIAGRAM OF IC

IC601 VHiLC75341/-1: Audio Processor (LC75341)

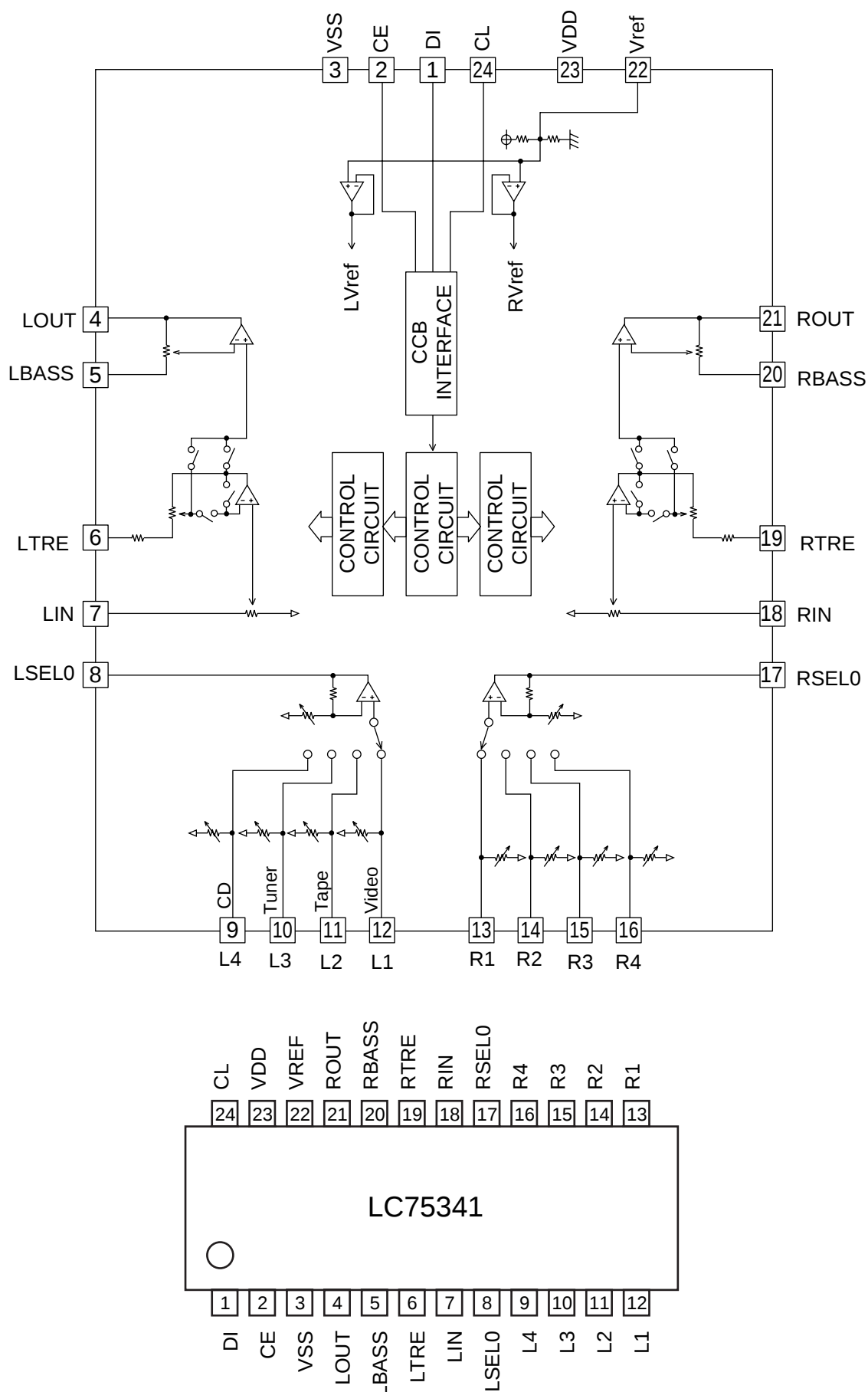
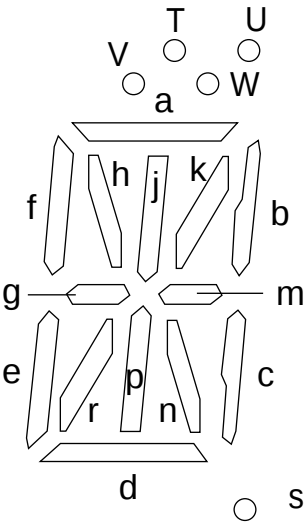
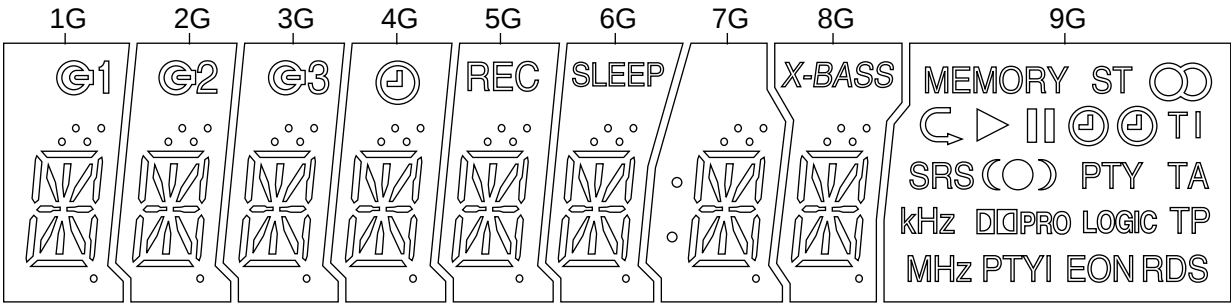


Figure 44 BLOCK DIAGRAM OF IC

FL701 VVKSVA9MS13-1: FL Display



	1G	2G	3G	4G	5G	6G	7G	8G	9G
P1	G1	G2	G3	G4	REC	SLEEP	:	X-BASS	PTYI
P2	U	U	U	U	U	U	U	U	
P3	T	T	T	T	T	T	T	T	TA
P4	V	V	V	V	V	V	V	V	TP
P5	W	W	W	W	W	W	W	W	RDS
P6	a	a	a	a	a	a	a	a	TI
P7	b	b	b	b	b	b	b	b	∞
P8	k	k	k	k	k	k	k	k	ST
P9	j	j	j	j	j	j	j	j	MEMORY
P10	h	h	h	h	h	h	h	h	PTY
P11	f	f	f	f	f	f	f	f	↶
P12	m	m	m	m	m	m	m	m	
P13	d	d	d	d	d	d	d	d	MHz
P14	g	g	g	g	g	g	g	g	▷
P15	p	p	p	p	p	p	p	p	kHz
P16	e	e	e	e	e	e	e	e	EON
P17	n	n	n	n	n	n	n	n	DDPROLOGIC
P18	r	r	r	r	r	r	r	r	SRS (O)
P19	c	c	c	c	c	c	c	c	⌚ (L)
P20	s	s	s	s	s	s	s	s	⌚ (R)

Figure 45 FL DISPLAY

CD-BP1200W/1250W

— M E M O —

SHARP PARTS GUIDE

MINI COMPONENT SYSTEM

MODEL CD-BP1200W

CD-BP1200W Mini Component System consisting of
CD-BP1200W (main unit) and CP-BP1200 (speaker system).

MINI COMPONENT SYSTEM

MODEL CD-BP1250W

CD-BP1250W Mini Component System consisting of
CD-BP1250W (main unit), CP-BP1250 (front speaker) and
GBOXS0043AWM1 (surround speaker).

“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-BP1200W/1250W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CD-BP1200W/1250W				
INTEGRATED CIRCUITS				
IC1	VHILA9235M/-1	J	AQ	Servo Amp.,LA9235M
IC2	VHILC78641E-1	J	AV	Servo/Signal Control,LC78641E
IC3	VHIM63001FP-1	J	AX	Focus/Tracking/Spin/Sled Driver,M63001FP
IC101	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC601	VHILC75341/-1	J	AM	Audio Processor,LC75341
IC701	RH-IX0337AWZZ	J	AX	System Microcomputer, IX0337AW
IC704	VHIKIA7042AP1	J	AC	Reset,KIA7042AP
IC901	VHILA4282/-1	J	AM	Power AMP.,LA4282
IC902	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810AP
IC904	VHIKIA7805AP1	J	AF	Voltage Regulator,KIA7805AP
IC905	VSKTC2026// -1	J	AF	Silicon,NPN,KTC2026

TRANSISTORS

Q1	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q2	VSKRC102M// -1	J	AC	Digital,NPN,KRC102 M
Q3	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q101	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q102,103	VSKRC104M// -1	J	AC	Digital,NPN,KRC104 M
Q104~107	VS2SC1845F/-1	J	AC	Silicon,NPN,2SC1845 F
Q108~111	VS2SC3331// -1	J	AB	Silicon,NPN,2SC3331
Q112	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q113	VSKRC104M// -1	J	AC	Digital,NPN,KRC104 M
Q114	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q302	VSKTC3194Y/-1	J	AD	Silicon,NPN,KTC3194 Y
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q601,602	VS2SC3331// -1	J	AB	Silicon,NPN,2SC3331
Q701	VSKRC107M// -1	J	AC	Digital,NPN,KRC107 M
Q702,703	VS2SC3331// -1	J	AB	Silicon,NPN,2SC3331
Q704,705	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q706	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q707	VSKRC102M// -1	J	AC	Digital,NPN,KRC102 M
Q901,902	VSKRC102M// -1	J	AC	Digital,NPN,KRC102 M
Q904	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR

DIODES

D21,22	VHD1SS133// -1	J	AA	Silicon,1SS133
D301~306	VHD1SS133// -1	J	AA	Silicon,1SS133
D701~705	VHD1SS133// -1	J	AA	Silicon,1SS133
D707~711	VHD1SS133// -1	J	AA	Silicon,1SS133
D714	VHD1SS133// -1	J	AA	Silicon,1SS133
D902	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D907~910	VHDL203F// -1	J	AE	Silicon,RL203F
D911~917	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D918	VHD1SS133// -1	J	AA	Silicon,1SS133
LED722	VHP4204SRT7-1	J	AD	LED,Red,4204SRT7
ZD61	VHEDZ3R9BSB-1	J	AC	Zener,3.9V,DZ3.9BSB
ZD902	VHEDZ300BSB-1	J	AB	Zener,30V,DZ300BSB
ZD903	VHEMTZJ6R2A-1	J	AA	Zener,6.2V,MTZJ6.2A

FILTERS

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

TRANSFORMERS

△ PT801	RTRNP0307AWZZ	J		Power
T301	RCILB0065AWZZ	J	AC	OSC,FM
T302	RCILIO017AWZZ	J	AB	FM IF
T303	RCILA0052AWZZ	J	AE	AM Antenna
T306	RCILB0058AWZZ	J	AC	AM OSC
T351	RCILIO019AWZZ	J	AD	AM IF

COILS

L61	VP-XHR82K0000	J	AC	0.82 μH
L62	VP-XH2R2K0000	J	AB	2.2 μH,Choke

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
L103	VP-DH101K0000	J	AB	100 μH,Choke
L104	VP-MK331K0000	J	AB	330 μH,Choke
L312	RCILR0056AWZZ	J	AB	FM RF
L351,352	VP-DH101K0000	J	AB	100 μH,Choke
L701	VP-DH101K0000	J	AB	100 μH,Choke

VARIABLE CAPACITORS

VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCSVC211C/-1	J	AG	Silicon,Variable Cap,SVC211C

VIBRATORS

X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
XL1	92LCRSTL1746AT	J	AH	Crystal,16.9344 MHz
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.1943 MHz

CAPACITORS

C6	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C7	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
C8	VCKYTV1HB104K	J	AB	0.1 μF,50V
C11	RC-EZY474AF0J	J		0.47 μF,6.3V,Electrolytic
C12	VCKYTV1HB104K	J	AB	0.1 μF,50V
C13	VCKYTV1HB103K	J	AA	0.01 μF,50V
C14	VCKYTV1EF334Z	J	AB	0.33 μF,25V
C16	VCCSPA1HL6R0J	J	AA	6 pF,50V
C17	VCKYTV1HB472K	J	AA	0.0047 μF,50V
C18	VCCCTV1HH3R0C	J	AA	3 pF (CH),50V
C19	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C20,21	VCKYTV1HB104K	J	AB	0.1 μF,50V
C22	VCKYTV1HB101K	J	AA	100 pF,50V
C23	VCKYTV1HB473K	J	AA	0.047 μF,50V
C24	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C25	VCKYTV1HB104K	J	AB	0.1 μF,50V
C26	VCKYTV1HB473K	J	AA	0.047 μF,50V
C27	VCKYTV1HB104K	J	AB	0.1 μF,50V
C28	VCEAZA1AW476M	J	AB	47 μF,10V,Electrolytic
C29,30	VCKYTV1HB104K	J	AB	0.1 μF,50V
C31	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C34	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C38,39	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
C40	VCKYTV1HB152K	J	AA	0.0015 μF,50V
C41	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C42	VCCSTV1HL680J	J	AA	68 pF,50V
C43	VCKYTV1HB152K	J	AA	0.0015 μF,50V
C44	VCKYTV1HB104K	J	AB	0.1 μF,50V
C45	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C46	VCKYTV1EF223Z	J	AA	0.022 μF,25V
C47	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C49,50	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C51	VCEAZA1AW476M	J	AB	47 μF,10V,Electrolytic
C52	VCTYPA1CX103K	J	AA	0.01 μF,16V
C53	VCKYTV1HB102K	J	AA	0.001 μF,50V
C54	VCEAZA1AW476M	J	AB	47 μF,10V,Electrolytic
C55	VCKYTV1HB103K	J	AA	0.01 μF,50V
C56	VCEAZA0JW337M	J	AC	330 μF,6.3V,Electrolytic
C64	RC-EZY474AF0J	J		0.47 μF,6.3V,Electrolytic
C71	VCKYTV1HB101K	J	AA	100 pF,50V
C72	VCKYTV1HB103K	J	AA	0.01 μF,50V
C73~78	VCKYTV1HB101K	J	AA	100 pF,50V
C80	VCKYTV1HB104K	J	AB	0.1 μF,50V
C81~83	VCKYTV1EF223Z	J	AA	0.022 μF,25V
C101	VCKZPA1HF473Z	J	AA	0.047 μF,50V
C102,103	VCKYMN1HB561K	J	AA	560 pF,50V
C104,105	VCKYMN1HB181K	J	AA	180 pF,50V
C106,107	VCKYMN1HB561K	J	AA	560 pF,50V
C108	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C109	VCKYBT1HB102K	J	AA	0.001 μF,50V
C112~115	VCKYMN1HB331K	J	AA	330 pF,50V
C116,117	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic
C118,119	VCTYPA1EX333K	J	AA	0.033 μF,25V
C120,121	VCKYMN1HB561K	J	AA	560 pF,50V
C122,123	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C126,127	VCKYMN1HB271K	J	AA	270 pF,50V
C128,129	VCEAZA1EW226M	J	AB	22 μF,25V,Electrolytic
C130,131	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C132,133	VCTYMN1CX332K	J	AA	0.0033 μF,16V
C134,135	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C136	VCEAZA1EW226M	J	AB	22 μF,25V,Electrolytic
C137	VCTYMN1EF223Z	J	AA	0.022 μF,25V

CD-BP1200W/1250W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C138	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic	C711,712	RC-EZD106AF1C	J	AB	10 μF,16V,Electrolytic
C139	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic	C713	RC-EZD104AF1H	J	AB	0.1 μF,50V,Electrolytic
C140	VCQPKA2AA822J	J	AA	0.0082 μF,100V,Polypropylene	C714	VCTYMN1CY103N	J	AA	0.01 μF,16V
C141	VCQYKA1HM393K	J	AB	0.039 μF,50V,Mylar	C715	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C142	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C716	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C145-147	VCKYMN1HB102K	J	AA	0.001 μF,50V	C717	RC-EZD106AF1H	J	AB	10 μF,50V,Electrolytic
C148	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C718	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C301,302	VCKYMN1HB102K	J	AA	0.001 μF,50V	C719	RC-EZD476AF1C	J	AC	47 μF,16V,Electrolytic
C303	VCCCMN1HH100J	J	AA	10 pF (CH),50V	C903,904	VCKYPA1HB471K	J	AA	470 pF,50V
C304	VCTYMN1CY103N	J	AA	0.01 μF,16V	C905	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C305	VCCCMN1HH4R7C	J	AA	4.7 pF (CH),50V	C906	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C306	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C907	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic
C307	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic	C908,909	VCQYKA1HM823K	J	AC	0.082 μF,50V,Mylar
C308	VCCSMN1HL4R7C	J	AA	4.7 pF,50V	C910	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic
C309	VCKYMN1HB102K	J	AA	0.001 μF,50V	C911	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C310	VCCCMN1HH150J	J	AA	15 pF (CH),50V	C912,913	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C311	VCCSMN1HL180J	J	AA	18 pF,50V	C914,915	VCEAZA1EW477M	J	AD	470 μF,25V,Electrolytic
C312	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C916,917	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C313	VCCCMN1HH220J	J	AA	22 pF (CH),50V	C918	VCKYPA1HB221K	J	AA	220 pF,50V
C314,315	VCTYMN1CX472K	J	AA	0.0047 μF,16V	C919	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C316	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C933	VCCSPA1HL680J	J	AA	68 pF,50V
C317	VCKYMN1HB102K	J	AA	0.001 μF,50V	C934	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C318	VCKYMN1HB101K	J	AA	100 pF,50V	C935	VCEAZA1EW226M	J	AB	22 μF,25V,Electrolytic
C320	VCTYBT1EF223Z	J	AA	0.022 μF,25V	C938	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C323	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C939,940	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C324	VCCUMN1HJ3R9K	J	AA	3.9 pF (UJ),50V	C943	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C330	VCCUMN1HJ150J	J	AA	15 pF (UJ),50V	C944	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C331	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C945	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C332	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C946	VCEAZW1VW228M	J	AH	2200 μF,35V,Electrolytic
C334	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V	C947	VCEAZW1EW338M	J	AG	3300 μF,25V,Electrolytic
C335	VCKYMN1HB561K	J	AA	560 pF,50V	C950-953	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C342	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C954	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C350	VCTYBT1EF223Z	J	AA	0.022 μF,25V	C955-957	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C351	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C958,959	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C352	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic	C960,961	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic [1250V Only]
C353,354	VCTYMN1EF223Z	J	AA	0.022 μF,25V					
C355	VCCSMN1HL220J	J	AA	22 pF,50V					
C356	VCKYMN1HB102K	J	AA	0.001 μF,50V					
C357	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic					
C358	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic					
C361	VCTYMN1EF223Z	J	AA	0.022 μF,25V					
C362	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic					
C363	VCTYMN1EF223Z	J	AA	0.022 μF,25V					
C364	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic					
C365	VCKZPA1HF223Z	J	AA	0.022 μF,50V					
C366	VCKYMN1HB102K	J	AA	0.001 μF,50V					
C367,368	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic					
C369	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V					
C370-372	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic					
C373,374	VCTYPA1CX153K	J	AA	0.015 μF,16V					
C380	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic					
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V					
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V					
C385	VCTYMN1CY103N	J	AA	0.01 μF,16V					
C386	VCKYMN1HB331K	J	AA	330 pF,50V					
C387	VCTYMN1EF223Z	J	AA	0.022 μF,25V					
C391	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic					
C392	VCKYMN1HB102K	J	AA	0.001 μF,50V					
C393	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic					
C394	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic					
C395	VCTYMN1EF223Z	J	AA	0.022 μF,25V					
C396	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic					
C397	VCTYMN1EF223Z	J	AA	0.022 μF,25V					
C398	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic					
C399	VCTYMN1EF223Z	J	AA	0.022 μF,25V					
C601,602	VCKYMN1HB102K	J	AA	0.001 μF,50V					
C603	VCEAZA1EW226M	J	AB	22 μF,25V,Electrolytic					
C604	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic					
C605	VCKZPA1HF223Z	J	AA	0.022 μF,50V					
C606	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic					
C607,608	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic					
C609-612	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar					
C613,614	VCTYPA1CX272K	J	AA	0.0027 μF,16V					
C617,618	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic					
C623-630	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic					
C701	VCTYBT1EF223Z	J	AA	0.022 μF,25V					
C702	RC-EZD227AF1A	J	AC	220 μF,10V,Electrolytic					
C703	VCCSMN1HL150J	J	AA	15 pF,50V					
C704	VCCSMN1HL180J	J	AA	18 pF,50V					
C705	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic					
C707,708	RC-EZD105AF1H	J	AB	1 μF,50V,Electrolytic					
C710	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic					

CD-BP1200W/1250W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R106,107	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R108,109	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R110	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R111,112	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R113	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R114,115	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R116,117	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R118,119	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R120,121	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R122,123	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R124,125	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R126	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R127,128	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R129,130	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R131,132	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R133,134	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R135,136	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R137	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R138	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R139	VRD-ST2EE181J	J	AA	180 ohms,1/4W
R140	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R141	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R142,143	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R144	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R145	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R146	VRD-RT2HD820J	J	AA	82 ohms,1/2W
R147	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R148	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R149	VRD-ST2CD4R7J	J	AA	4.7 ohms,1/6W
R157	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R302	VRD-MN2BD100J	J	AA	10 ohm,1/8W
R309	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R311	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R313	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R314	VRD-ST2CD220J	J	AA	22 ohms,1/6W
R316	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R322	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R323	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R325	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R327	VRD-MN2BD330J	J	AA	33 ohms,1/8W
R336	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R350	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R357	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R358	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R360	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R361,362	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R363,364	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R365	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R372~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R375	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R376	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R377	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R378	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R383	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R384	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R385	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R386	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R387	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R388	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R393	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R395	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R601,602	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R603,604	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R607,608	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R609,610	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R615,616	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R617	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R618	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R625	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R702~704	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R705~707	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R708	VRD-MN2BD102J	J	AA	1 kohm,1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R709~718	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R719~721	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R722	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R724,725	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R726~729	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R730	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R732	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R733~737	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R742	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R743	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R744	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R745	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R748~751	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R753	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R755	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R756,757	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R758,759	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R760,761	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R762,763	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R766~768	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R769	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R770	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R771	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R772	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R773	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R775~777	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R778	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R779	VRD-RT2HD3R3J	J	AA	3.3 ohms,1/2W
R792	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R905	VRD-ST2CD121J	J	AA	120 ohms,1/6W
R906,907	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R908	VRD-ST2CD121J	J	AA	120 ohms,1/6W
R909	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R910,911	VRD-RT2HD271J	J	AA	270 ohms,1/2W
R912,913	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R914	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R915	VRD-ST2EE821J	J	AA	820 ohms,1/4W
R916,917	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R922	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R923	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R925	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R926	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R927	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R928	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R929,930	VRD-ST2CD221J	J	AA	220 ohms,1/6W
RD01	VRD-ST2CD681J	J	AA	680 ohms,1/6W
RD02	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD03	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD04	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD05	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD06	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RD07	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD08	VRD-ST2CD563J	J	AA	56 kohms,1/6W
RD09	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RD10	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD11	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD12	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD13	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD14	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RD15	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD16	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD17	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RD18	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
RD19	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD20	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RD21	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD22	VRD-ST2CD153J	J	AA	15 kohms,1/6W
RD23	VRD-MN2BD333J	J	AA	33 kohms,1/8W
RD24	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RD25	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD26	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W

OTHER CIRCUITRY PARTS

BI4/CNS4	QCNWN1572AWZZ	J	AF	Connector Ass'y,6/6Pin
BI601/CNS601	QCNWN1540AWZZ	J	AF	Connector Ass'y,5/5Pin
BI702/CNS702	QCNWN1541AWZZ	J	AH	Connector Ass'y,10/10Pin
CNP1	QCNCM704GAWZZ	J	AC	Plug,7Pin
CNP2	QCNCM704HAFZZ	J	AC	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin
CNP3A	92LCONE6P53254	J	AC	Plug,6Pin
CNP4	QCNCM705FAFZZ	J	AB	Plug,6Pin

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CNP11	92LCONE5P53254	J	AB	Plug,5Pin
CNP12	92LCONEAP53254	J	AD	Plug,10Pin
CNP101	QCNCM705CAFZZ	J	AA	Plug,3Pin
CNP102	QCNCM705GAFZZ	J	AB	Plug,7Pin
CNP302	92LCONE2P5268	J	AB	Plug,2Pin
CNP701	QCNCWZX21AWZZ	J		Plug,21Pin
△ CNP801	QCNCM049EAWZZ	J	AD	Plug,5Pin
CNP901	QCNCM035FAWZZ	J	AC	Plug,6Pin
CNS1A/B	QCNCWN1537AWZZ	J	AG	Connector Ass'y,7/7Pin
CNS2A/B	QCNCWN1538AWZZ	J	AG	Connector Ass'y,8/8Pin
CNS3A/B	QCNCWN1539AWZZ	J	AE	Connector Ass'y,6/6Pin
CNS701	QCNCWZF21AWZZ	J	AF	Plug,21Pin
CNS703	QCNCWZY13AWZZ	J	AC	Plug,13Pin
△ F901	92LFUSET252E	J	AD	Fuse,T2.5A L 250V
△ F902	92LFUSET162E	J	AC	Fuse,T1.6A L 250V
FFC13	QCNCWN1544AWZZ	J	AE	Flat Cable,13Pin
FFC21	QCNCWN1629AWZZ	J	AH	Flat Cable,21Pin
FL701	VVKSVA9MS13-1	J	AZ	FL Display
FW901	QCNCWN1612AWZZ	J	AD	Flat Wire,5Pin
JK901	QJAKM0010AWZZ	J	AF	Jack,Headphones
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
M3	92LTMEN7E6Y	J	AR	Motor with Worm Pulley [T/T Up/Down Loading]
RX701	VHLN63H380A-1	J	AK	Remote Sensor,N63H380A
SO302	QTANC0206AWZZ	J		Terminal,FM Antenna
SO901	QTANA0416AWZZ	J	AE	Terminal,Speaker [1200W]
SO901	QTANA0809AWZZ	J	AG	Terminal,Speaker [1250W]
△ SO902	QSOCA0204AWZZ	J	AF	Socket,AC Input
SW1	SWMPU10780MLB	J	AH	Switch,Push Type [Open/Close]
SW2	SWMPU11470MLB	J	AE	Switch,Push Type [Clamp]
SW3	SWMPU11470MLB	J	AE	Switch,Push Type [Disc Number]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]
SW601	QSW-S0024AWZZ	J	AE	Switch,Slide Type [Span Selector]
SW701	92LSWICHT1663T	J	AC	Switch,Key Type [ON/STAND-BY]
SW702	92LSWICHT1663T	J	AC	Switch,Key Type [CLOCK]
SW703	92LSWICHT1663T	J	AC	Switch,Key Type [TIMER/SLEEP]
SW709	92LSWICHT1663T	J	AC	Switch,Key Type [DISC SKIP]
SW710	92LSWICHT1663T	J	AC	Switch,Key Type [OPEN/CLOSE]
SW711	92LSWICHT1663T	J	AC	Switch,Key Type [EQUALIZER/X-BASS/DEMO]
SW712	92LSWICHT1663T	J	AC	Switch,Key Type [Volume Up]
SW713	92LSWICHT1663T	J	AC	Switch,Key Type [Volume Down]
SW714	92LSWICHT1663T	J	AC	Switch,Key Type [CD]
SW715	92LSWICHT1663T	J	AC	Switch,Key Type [Tape]
SW716	92LSWICHT1663T	J	AC	Switch,Key Type [Tuning/Time Down]
SW717	92LSWICHT1663T	J	AC	Switch,Key Type [Memory/Set]
SW718	92LSWICHT1663T	J	AC	Switch,Key Type [Rewind]
SW719	92LSWICHT1663T	J	AC	Switch,Key Type [Fast Forward]
SW720	92LSWICHT1663T	J	AC	Switch,Key Type [Play/Repeat]
SW721	92LSWICHT1663T	J	AC	Switch,Key Type [Stop]
SW723	92LSWICHT1663T	J	AC	Switch,Key Type [REC/PAUSE]
SW724	92LSWICHT1663T	J	AC	Switch,Key Type [TUNING/TIME UP]
SW725	92LSWICHT1663T	J	AC	Switch,Key Type [Tuner (Band)]
△ SW801	QSOCE0008AWZZ	J	AH	Switch,Slide Type [Voltage Selector]

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
701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm
702	XHBSD20P05000	J	AA	Screw,ø2×5mm
703	XBBSD20P03000	J	AA	Screw,ø2×3mm
704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×ø3.8×0.25mm
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]

CABINET PARTS

201	92LCAB3328AASY	J		Front Panel Ass'y [1200W]
201	92LCAB3329AASY	J		Front Panel Ass'y [1250W]
201- 1	—	—	—	Front Panel (Not Replacement Item)
201- 2	GDORF0076AWSA	J	AE	Cassette Holder,Tape 1
201- 3	GDORF0077AWSA	J	AE	Cassette Holder,Tape 2
201- 4	GCOVA1270AWSA	J	AH	Cassette Cover,Tape 1
201- 5	GCOVA1271AWSA	J	AH	Cassette Cover,Tape 2
201- 6	HDECQ0541AWSA	J	AE	Cassette Panel,Tape 1
201- 7	HDECQ0542AWSA	J	AE	Cassette Panel,Tape 2
201- 8	HDECQ0608AWSA	J		Panel,Amp. [1200W]
201- 8	HDECQ0609AWSA	J		Panel,Amp. [1250W]
201-10	JKNBZ0677AWSA	J	AG	Button,Volume
201-11	KNOB3325AASY1	J	AK	Button,Function A Ass'y
201-12	JKNBZ0721AWSA	J	AG	Button,On/Stand-by/Clock/Timer/ Sleep
201-13	JKNBZ0712AWSA	J	AH	Button,Rewind/Fast Forward
201-14	JKNBZ0713AWSA	J	AH	Button,Function B
201-15	JKNBZ0676AWSA	J	AF	Button,Tuning Time Up/Down
201-16	HDECQ0544AWSA	J	AH	Panel,Decoration
201-21	MLIFP0008AWZZ	J	AD	Damper
201-22	MSPRD0151AWFJ	J		Cassette Spring,Tape 1
201-23	MSPRD0152AWFJ	J		Cassette Spring,Tape 2
201-24	92LBADGE1671A	J	AC	Badge,SHARP
201-25	JKNBZ0675AWSA	J	AF	Button,Equalizer X-BASS/Demo
202	92LCAB3325BASY	J		Side Panel Ass'y,Left
202- 1	—	—	—	Side Panel,Left (Not Replacement Item)
202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
203	92LCAB3325CASY	J		Side Panel Ass'y,Right
203- 1	—	—	—	Side Panel,Right (Not Replacement Item)
203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
204	92LCOV3303AASY	J	AK	CD Tray Cover Ass'y
204- 1	—	—	—	Cover,CD Tray (Not Replacement Item)
204- 2	GCOVA1254AWSA	J	AE	Cover,CD Tray Panel,Left
204- 3	GCOVA1255AWSA	J	AE	Cover,CD Tray Panel,Right
205	GCAB-1184AWSA	J	AP	Top Cabinet
206	GITAR0630AWSA	J		Rear Panel [1200W]
206	GITAR0631AWSA	J		Rear Panel [1250W]
208	LANGK0110AWFW1J	AD		Support,Cassette Lock,Tape 1
209	LANGK0111AWFW1J	AD		Support,Cassette Lock,Tape 2
213	LCHSM0104AWFW	J		Main Chassis
214	LHLDZ1087AWSA1	J	AC	Holder,FL Display
219	MLOKC0003AWZZ	J	AD	Lock Lever,Cassette,Tape 1
220	MLOKC0004AWZZ	J	AD	Lock Lever,Cassette,Tape 2
221	MSPRD0109AWFJ	J	AB	Spring,Cassette Lock,Tape 1
222	MSPRD0110AWFJ	J	AB	Spring,Cassette Lock,Tape 2
224	92LPT0331105	J	AM	Table Loading
225	PCUSG0022AWZZ	J	AB	Cushion,Leg
226	PRDAR0169AWFW	J		Heat Sink,Main
229	QLUGP0001AWZZ	J	AC	Lug
230	QCNCWN1615AWZZ	J	AC	Lug Wire
△ 231	QFSDH0001AWZZ	J	AB	Holder,Fuse
232	92LBE241414	J	AD	Belt,Drive
233	QLUGP0002AWZZ	J	AB	Lug
234	92LEVA0330702	J	AD	Chassis,Velvet Carpet
235	92LMAG0104302	J	AE	Magnet
236	92LMT0304302	J	AB	Plate,Metal
237	92LNBAND1318A	J	AA	Nylon Band,80mm
238	92LNM0305401	J	AB	Velvet Carpet
239	92LPT0303002	J	AB	Roller
240	92LPT0304303	J	AB	Lever,Stop
241	92LPT0304304	J	AB	Stopper
242	92LPT0304305	J	AE	Lever,Lock
243	92LPT0304306	J	AG	Stabilizer
244	92LPT0304307	J	AC	Support,Cam
245	92LPT0304308	J	AB	Lock Gear Pin
246	92LPT0304309	J	AB	Cap,Pulley Stopper
247	92LPT0305413	J	AG	Cam Gear Lower
248	92LPT0309506	J	AD	Gear,Turntable Drive
249	92LPT0309507	J	AD	Gear,Open/Close Drive
250	92LPT0309508	J	AD	Gear,Planet
251	92LPT0309509	J	AD	Gear,Drive
252	92LPT0309510	J	AE	Gear,Pulley
253	92LPT0309511	J	AD	Gear,Middle
254	92LPT0311101	J	AB	Lever,Clamp
255	92LPT0311102	J	AC	Lever,Disc

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
256	92LPT0312005	J	AL	Gear,Cam
257	92LPT0320201	J	AE	Support,Stabilizer
258	92LPT0330301	J	AU	Chassis,Loading
259	92LPT0330803	J	AK	Chassis,CD Mechanism
260	92LPT0331003	J	AT	Disc Tray
262	92LSP0304303	J	AB	Spring,Stopper
263	92LSP0304305	J	AB	Spring,Lock
264	92LSP0304306	J	AB	Spring,Lock Gear
268	KMECB0012AWZZ	J	BG	Tape Mechanism Ass'y
270	LHLDZ1230AWZZ	J	AC	Holder,LED
271	PRDAR0127AWFW	J	AM	Heat Sink,Sub
272	92LCAUT1706A1	J	AC	Label,Class 3 Laser
273	92LCAUT1706B	J	AA	Label,Laser
601	LX-JZ0004AWFD	J	AA	Screw,ø3×12mm
604	XEBSD30P12000	J	AA	Screw,ø3×12mm
605	XESSD30P10000	J	AA	Screw,ø3×10mm
610	XJBSD30P10000	J	AA	Screw,ø3×10mm
611	XJBSD30P08000	J	AA	Screw,ø3×8mm
612	LX-HZ0009AWFD	J	AC	Screw,Special
613	LX-HZ0082AFZZ	J	AA	Screw,ø4×8mm
614	LX-JZ0010AFFD	J	AA	Screw,Special
616	LX-BZ2222AXZZ	J	AB	Screw,Special
618	92LSC0308MBZI	J	AB	Screw,ø3×8mm
619	92LSC0308RBZI	J	J	Screw,ø3×8mm
620	XEBSD26P08000	J	AA	Screw,ø2.6×8mm
621	XHBSD26P04000	J	AA	Screw,ø2.6×4mm

ACCESSORIES/PACKING PARTS

△	QACCA0004AW00	J	AC	Power Supply Cord
△	QACCE0007AW00	J	AH	AC Power Supply Cord
△	QACCJ0006AW00	J	AK	AC Power Supply Cord
△	QACCL0002AW00	J	AN	AC Power Supply Cord
△	QACCZ0008AW00	J	J	AC Power Supply Cord
△	QANTL0008AWZZ	J	AH	AM Loop Antenna
△	QPLGA0003AWZZ	J	AF	AC Plug Adaptor
△	QPLGA0004AWZZ	J	AF	AC Plug Adaptor
	SPAKA0242AWZZ	J	J	Packing Add.,Left/Right
	SPAKC0975AWZZ	J	J	Packing Case [1250W]
	SPAKC0983AWZZ	J	J	Packing Case [1200W for Australia/New Zealand]
	SPAKC0984AWZZ	J	J	Packing Case [1200W Except for Australia/New Zealand]
	SPAKP0013AWZZ1	J	AC	Polyethylene Bag,Unit
	SPAKZ0573AWZZ	J	AB	Sheet,CD Tray
	TCAUA0057AWZZ	J	J	Label,Caution [1200W for Taiwan]
	TGANE0011AW46	J	J	Warranty Card [1200W for Philippines]
	TGANE0011AW48	J	J	Warranty Card [1250W for Philippines]
	TGANZ0028AW56	J	J	Warranty Card [1200W for Taiwan]
	TINST0086AWZZ	J	J	Operation Manual [1200W for Thailand]
	TINSZ0591AWZZ	J	J	Operation Manual [1200W Except for Thailand/Australia/New Zealand]
	TINSZ0597AWZZ	J	AE	Operation Manual [1200W for Australia/New Zealand]
	TINSZ0598AWZZ	J	J	Operation Manual [1250W]
	TLABE0443AWZZ	J	J	Label,Bar Code [1200W]
	TLABE0444AWZZ	J	J	Label,Bar Code [1200W]
	TLABE0445AWZZ	J	J	Label,Bar Code [1250W]
	TLABG0006AWZZ	J	AB	Label,Aregentina Caution [For Aregentina]
	TLABG0007AWZZ	J	AC	Label,Aregentina Caution,Set [For Aregentina]
	TLABH0056AWSA	J	AF	Sheet,E/C Comparison [1200W]
	TLABH0057AWSA	J	AF	Sheet,E/C Comparison [1200W]
	TLABH0058ANSA	J	J	Sheet,E/C Comparison [1200W]
	TLABZ0799AWZZ	J	J	Label,Carton [1200W]
	TLABZ0800AWZZ	J	J	Label,Feature Tape 1
	TLABZ0801AWZZ	J	J	Label,Feature Tape 1
	TLSTS0014AWZZ	J	AB	S/S List [1200W]
	TMAPC0199AWZZ	J	J	MAP [1200W]
	TSPC-0749AWZZ	J	J	Label,Thai Specification [1200W]
	TSPC-0750AWZZ	J	J	Label,Chinese Specification [1200W]
	TTAG-0004AWZZ	J	J	Cord Tag [For Aregentina]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	92LBAG1460C1	J	AB	Polyethylene Bag,Accessories
	92LBAG1770A	J	AB	Polyethylene Bag,AC Power Supply Cord
	92LBAG760C	J	AA	Polyethylene Bag,AC Plug Adaptor
	92LFANT1746A	J	AD	FM Antenna
	92LGCARD1266E1	J	AC	Guarantee Card [1200W Only]
	92LLABL1204C	J	AA	Label,MADE IN MALAYSIA
	92LLABL1507B	J	AA	Label,Packing Case,MADE IN MALAYSIA
	92LN1885B	J	AG	Packing,Add.,Front Speaker, Bottom
	92LN1885T	J	AG	Packing,Add.,Front Speaker,Top
	92LPANEL713A	J	AB	Panel,MADE IN MALAYSIA [1200W]
	92LSRCBP012RS	J	J	Packing Add.,Surround Speaker,Bottom [1250W Only]
	92LSRCPE006RS	J	AB	Polyethylene Bag,Surround Speaker [1250W Only]
	92LSRCTP011RS	J	J	Packing Add.,Surround Speaker,Top [1250W Only]
	92LV4974A	J	AC	Polyethylene Bag,Front Speaker
	RRMCG0229AWSA	J	AR	Remote Control
	GFTAB1022AWSB	J	AK	Battery Lid,Remote Control

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

PWB-A1~3	92LPWB3328MANS	J	—	Main/Display/Headphones (Combined Ass'y) [1200W]
PWB-A1~3	92LPWB3329MANS	J	—	Main/Display/Headphones (Combined Ass'y) [1250W]
PWB-B	92LPWB3303CDUS	J	—	CD Servo
PWB-C	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-D	—	—	—	Tape Mechanism
PWB-E	92LPC99C017	J	AE	T/T Up/Down Motor (PWB Only)

OTHER SERVICE PART

UDSKA0004AFZZ	J	AZ	CD Pickup Lens Cleaner
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CP-BP1200/1250

SPEAKER BOX PARTS

901	92LJ1911B	J	AU	Net Frame Ass'y
902	92L9553C	J	AW	Speaker Box Ass'y
903	92LJ9797C	J	AE	Port Cushion
904	92LP5879-2	J	J	Label,Specifications [1200W]
904	92LP5880-1	J	J	Label,Specifications [1250W]
905	92LF1377A	J	AC	Screw,ø3.5×13mm
906	92LD4680C	J	AG	Speaker Cord
907	92LJ1912B	J	AX	Duct Panel
SP1,2	VSP0010PBY38A	J	AU	Speaker

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SPEAKER BOX PARTS

901	92LSRCBC011RS	J	J	Bottom Cabinet
902	92LSRCNF006RS	J	AP	Net Frame Ass'y
903	92LSRCPL017RS	J	J	Label,Part Cord
904	92LSRSC004RS	J	AK	Speaker Cord
905	92LSRCSW005RS	J	AB	Screw,ø3×12mm
SP1,2	VSP0080PBP2WA	J	AN	Speaker

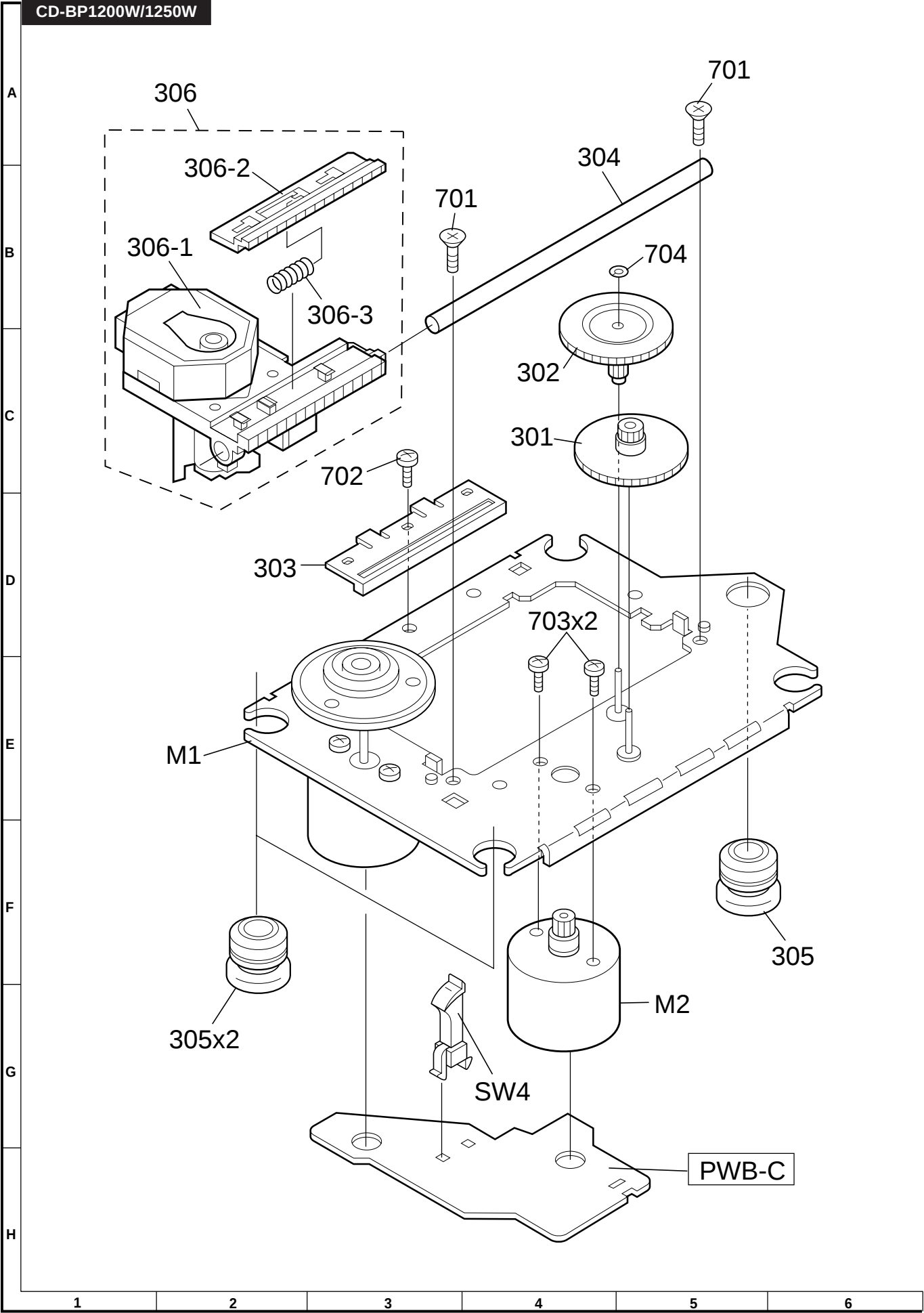


Figure 6 CD MECHANISM EXPLODED VIEW

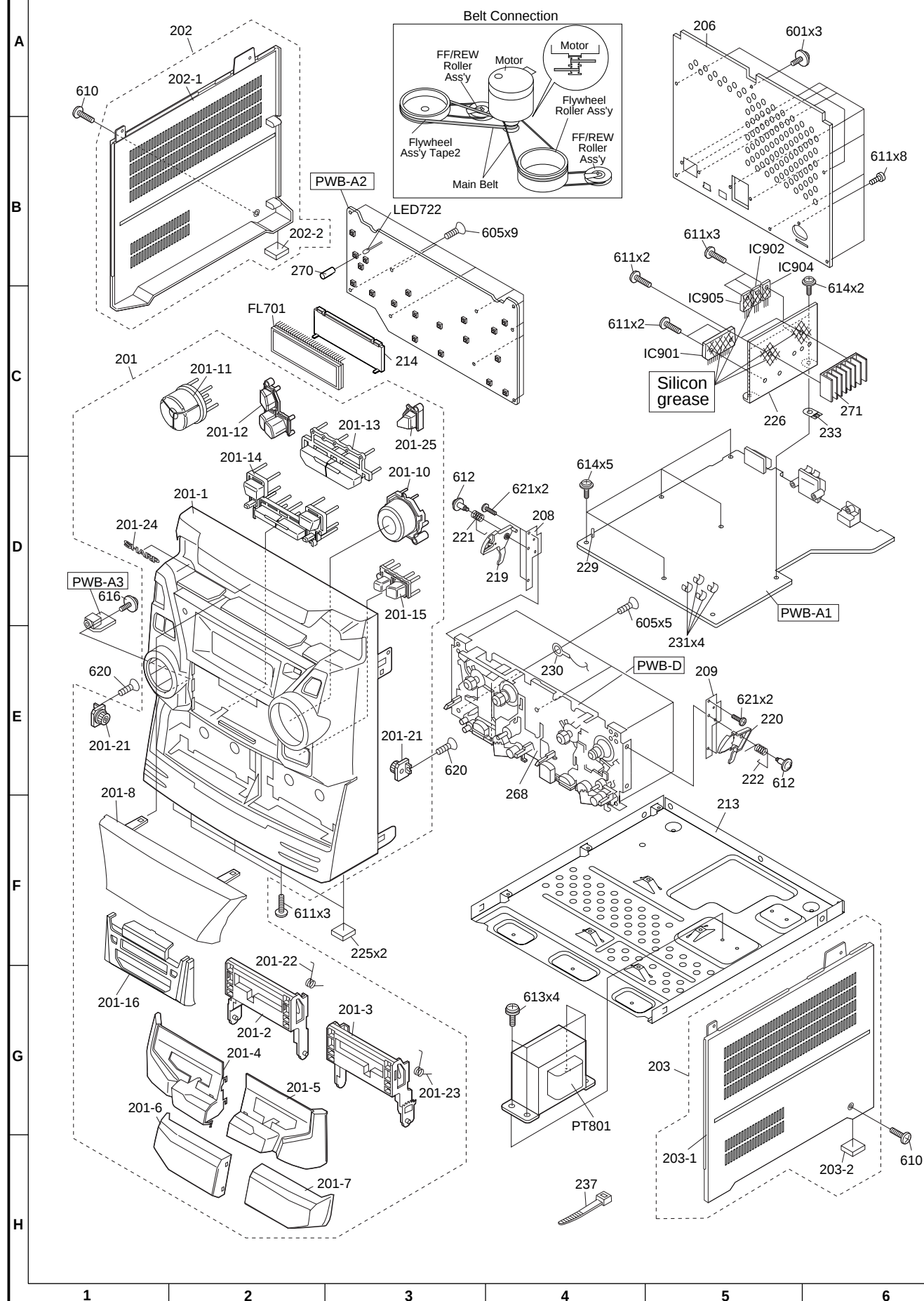


Figure 7 CABINET EXPLODED VIEW (1/2)

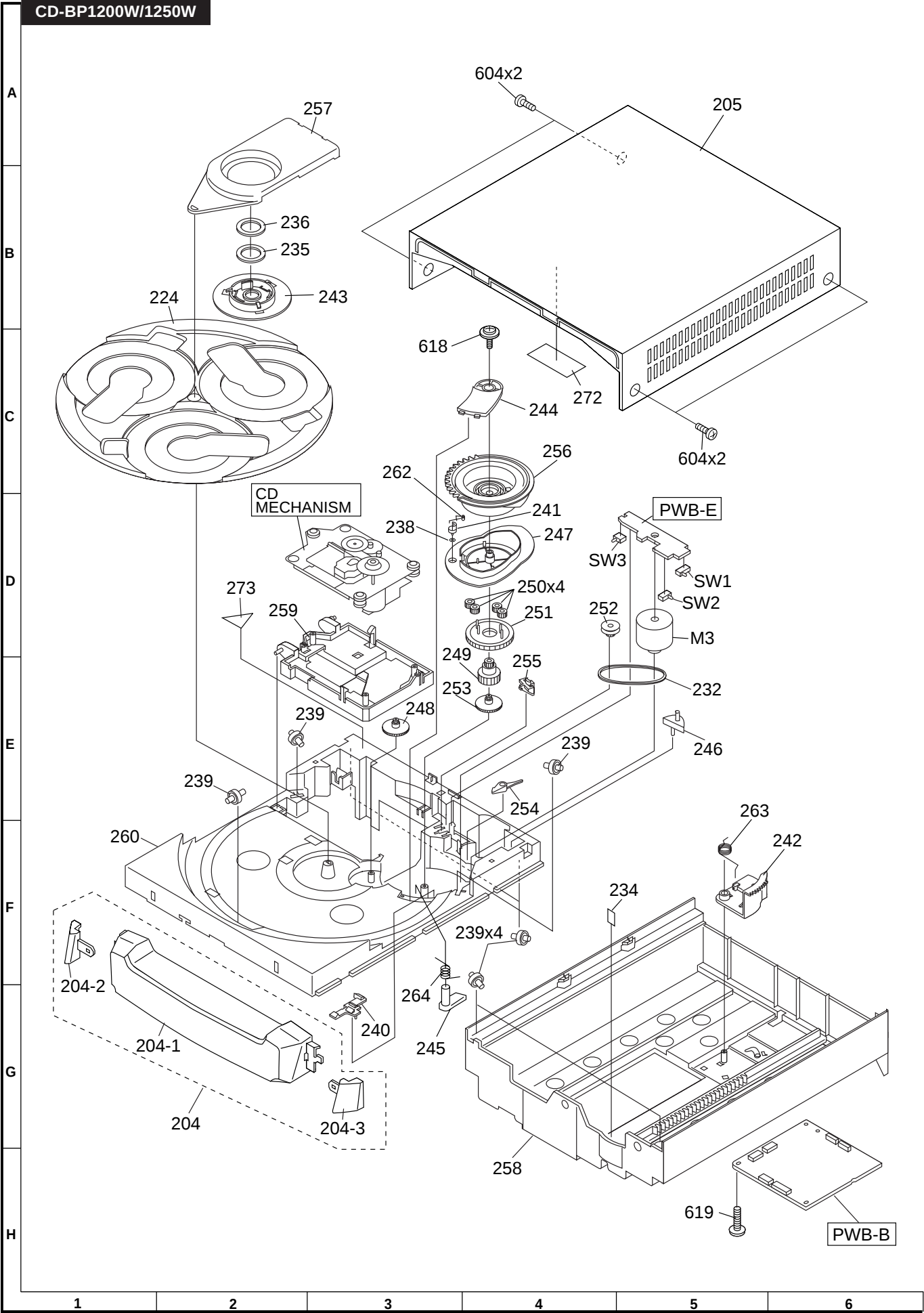


Figure 8 CABINET EXPLODED VIEW (2/2)

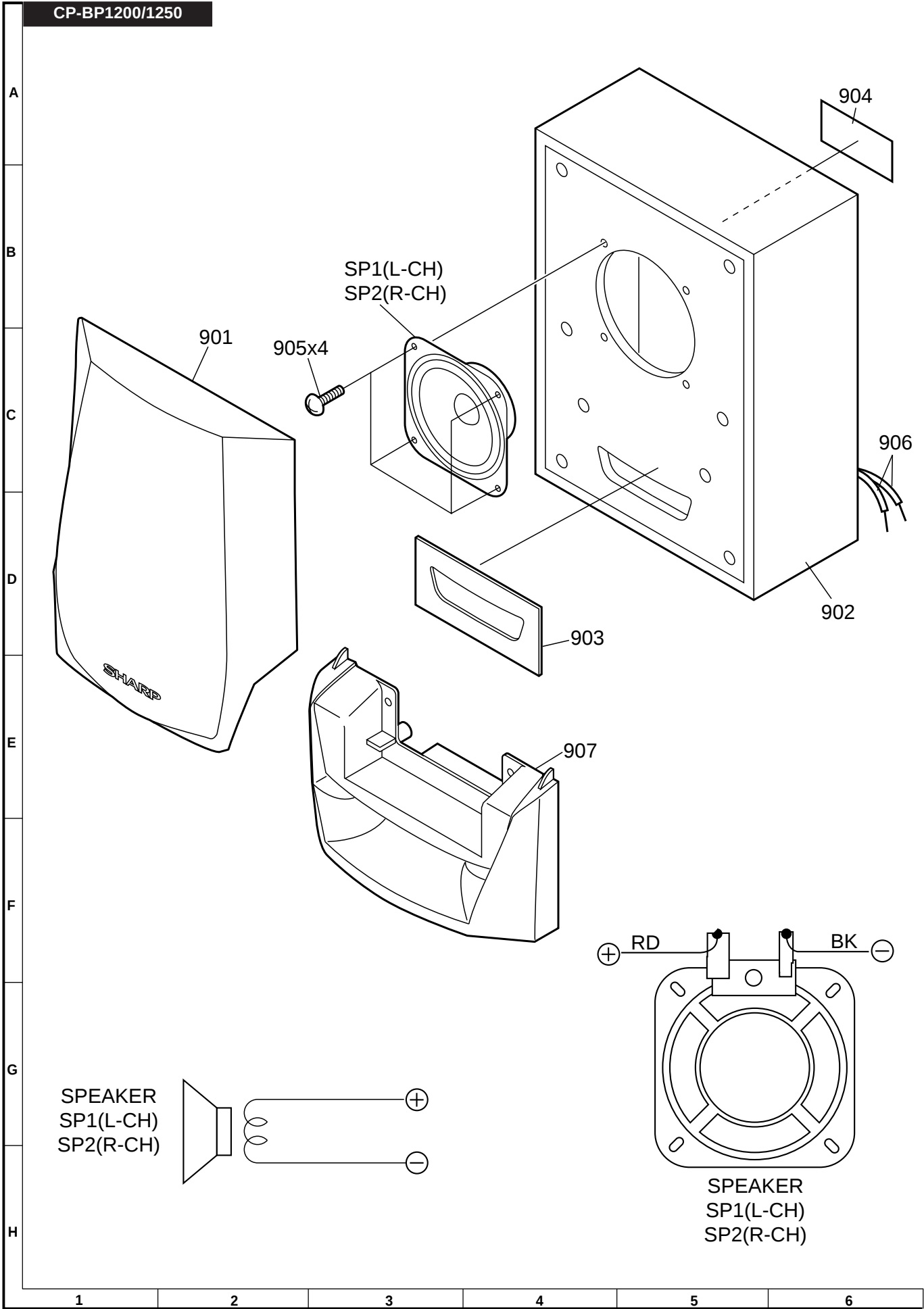


Figure 9 SPEAKER EXPLODED VIEW (1/2)

GBOXS0043AWM1 CD-BP1250W Only

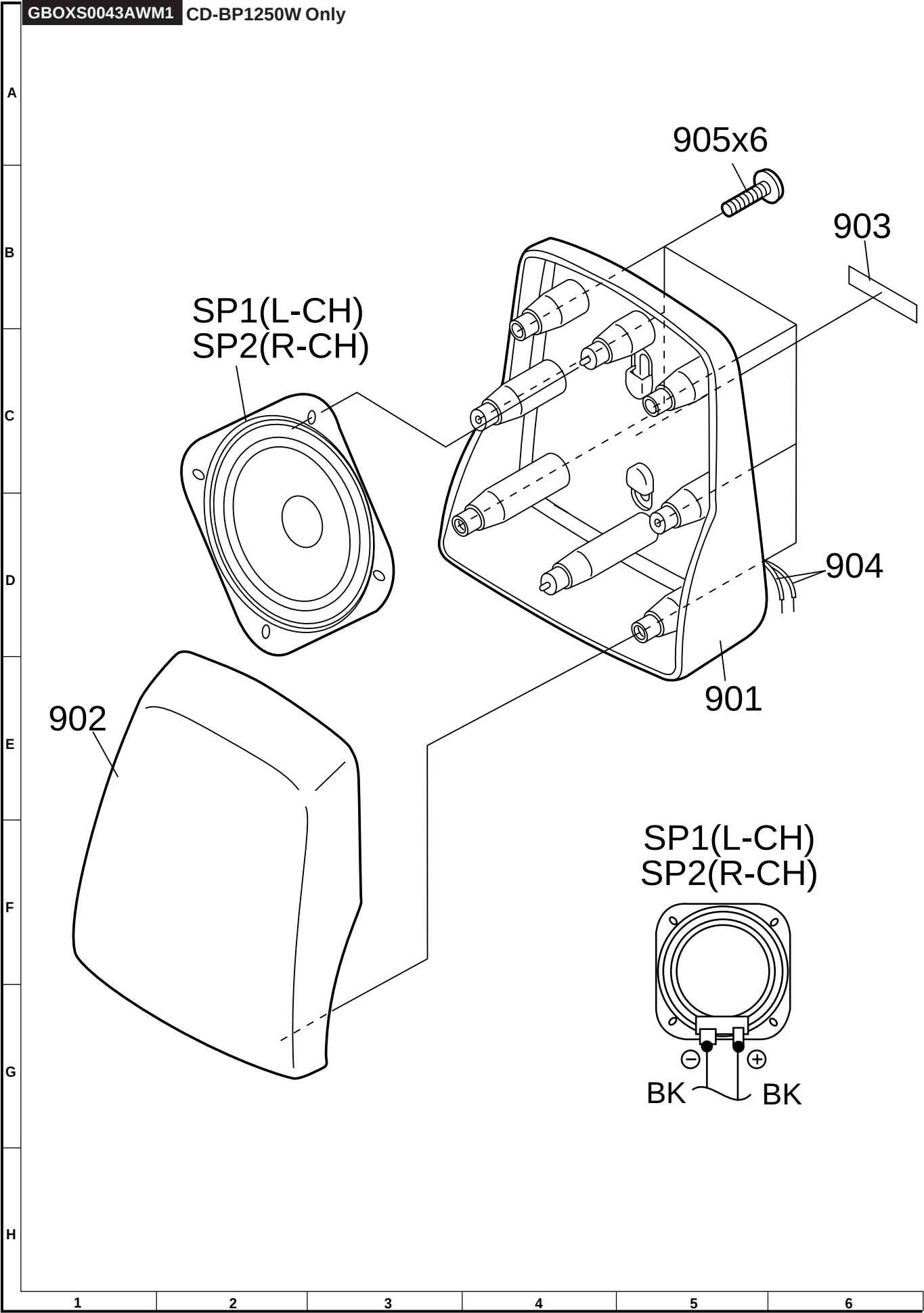


Figure 10 SPEAKER EXPLODED VIEW (2/2)

CD-BP1200W/1250W

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— M E M O —

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