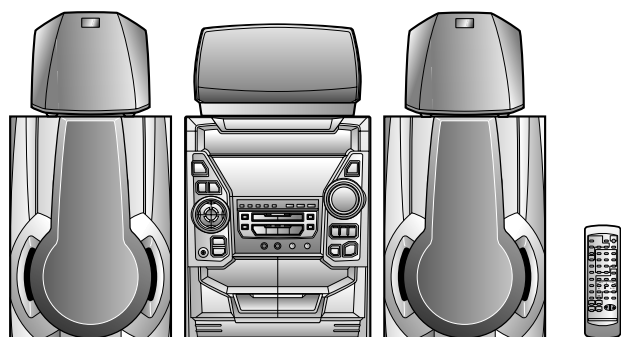


SHARP SERVICE MANUAL

No. S5047CDDK260V

VIDEO CD MINI SYSTEM

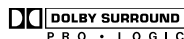


MODEL CD-DK2600V

CD-DK2600V Video CD Mini System consisting of CD-DK2600V (main unit) and CP-DK2600 (front speakers), GBOXS0038AWM1 (center speaker) and GBOXS0039AWM1 (surround speakers).



NTSC/PAL



Manufactured under license from Dolby Laboratories Licensing Corporation.

DOLBY, the double-D symbol  and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

• 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 Video CD Mini 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.

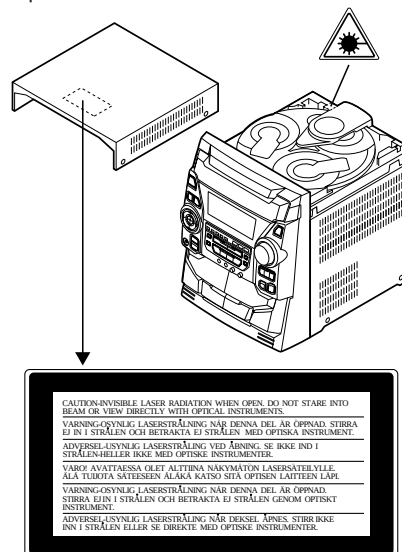
Laser Diode Properties

Material: GaAlAs

Wavelength: 780 nm

Emission Duration: continuous

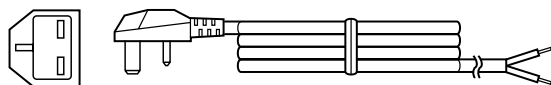
Laser Output: max. 0.6 mW



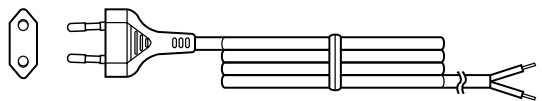
VOLTAGE SELECTION

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 (110/127/230-240V AC).

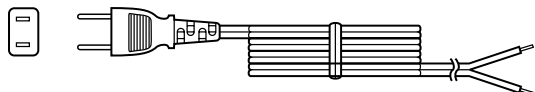
QACCB0006AW00



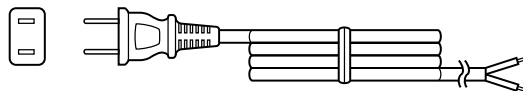
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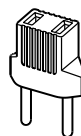
QACCJ0007AW00



QACCA0003AW00



QPLGA0003AWZZ



QPLGA0004AWZZ



Figure 2 POWER SUPPLY CORD

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

SPECIFICATIONS

■ General

Power source:	AC 110/127/220/230-240 V, 50/60 Hz
Power consumption:	155 W
Dimensions:	Width; 270 mm (10-5/8") Height; 330 mm (13") Depth; 332 mm (13-1/16")
Weight:	8.9 kg (19.6 lbs.)

■ Amplifier section

Output power:	Front speaker MPO; 200 W (100 W + 100 W) (10 % T.H.D.) RMS; 120 W (60 W + 60 W) (10 % T.H.D.) RMS; 96 W (48 W + 48 W) (0.9 % T.H.D.) Centre speaker MPO; 50 W (10 % T.H.D.) RMS; 30 W (10 % T.H.D.) RMS; 24 W (0.9 % T.H.D.) Surround speaker MPO; 50 W (25 W + 25 W) (10 % T.H.D.) RMS; 30 W (15 W + 15 W) (10 % T.H.D.) RMS; 24 W (12 W + 12 W) (0.9 % T.H.D.)
Input terminals:	Video/Auxiliary (audio signal) x 2; 500 mV/47 kohms Microphone 1/2; 1 mV/600 ohms
Output terminals:	Front speakers; 6 ohms Centre speaker; 6 ohms Surround speakers; 12 ohms Headphones; 16-50 ohms (recommended; 32 ohms) Video out; 1 Vp-p (75 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)

■ Video CD section

Video output format:	PAL/PAL 60/NTSC
-----------------------------	-----------------

■ Tuner section

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

■ 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)

■ Front speaker section

Type:	3-way type [13 cm (5-1/4") woofer, 5 cm (2") tweeter and super tweeter]
Maximum input power:	120 W
Rated input power:	60 W
Impedance:	6 ohms
Dimensions:	Width; 240mm (9-1/2") Height; 330 mm (13") Depth; 255mm (10-1/16")
Weight:	3.9 kg (8.5 lbs.)/each

■ Centre speaker section

Type:	10 cm (4") full-range speaker
Maximum input power:	60 W
Rated input power:	30 W
Impedance:	6 ohms
Dimensions:	Width; 260 mm (10-1/4") Height; 140 mm (5-1/2") Depth; 155 mm (6-1/8")
Weight:	0.9 kg (2.0 lbs.)

■ Surround speaker section

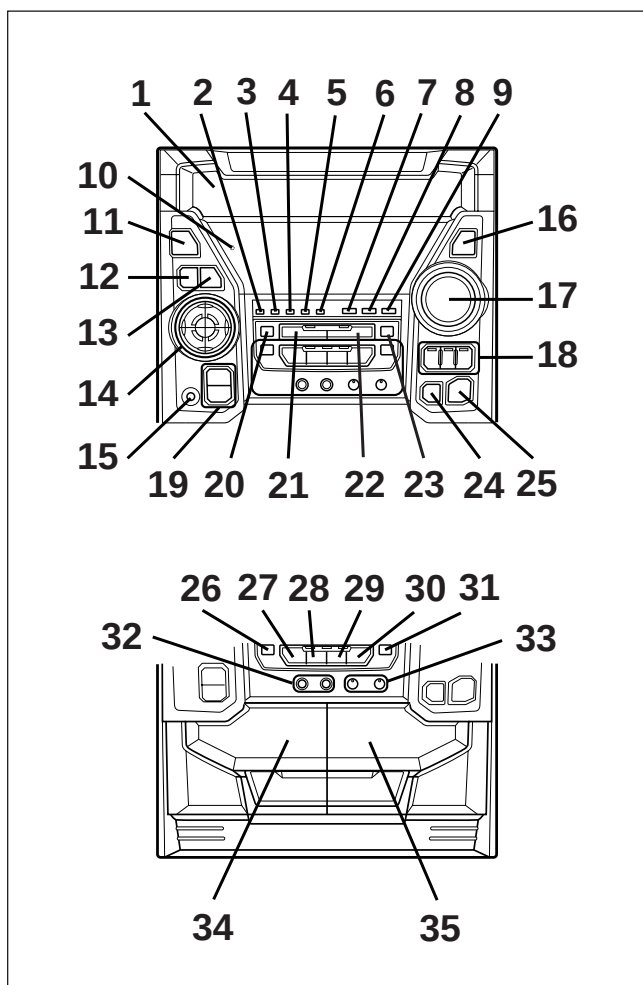
Type:	10 cm (4") full-range speaker
Maximum input power:	30 W
Rated input power:	15 W
Impedance:	12 ohms
Dimensions:	Width; 200 mm (7-7/8") Height; 93 mm (3-11/16") Depth; 170 mm (6-3/4")
Weight:	0.5 kg (1.1 lbs.)/each

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

NAMES OF PARTS

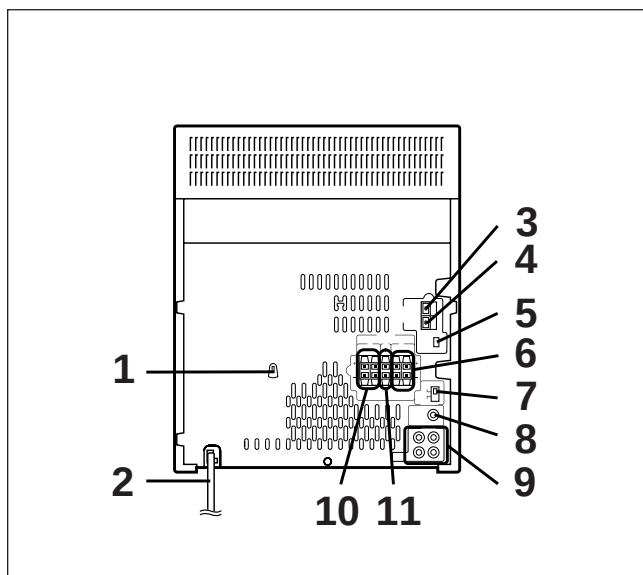
■ Front panel

1. Disc Tray
2. (VCD/CD) Karaoke Mode Button
3. (VCD) Playback Control Button
4. (VCD) On Screen Display On/Off Button
5. (VCD) Digest Button
6. (VCD) Bookmark Button
7. Bypass Button
8. Normal Button
9. Phantom Button
10. Timer Set Indicator
11. On/Stand-by Button
12. Clock Button
13. Timer/Sleep Button
14. Function Selector Buttons
15. Headphone Socket
16. Dimmer Button
17. Volume Control
18. (VCD/CD) Disc Number Select Buttons
19. Tuning and Time Up/Down Buttons
20. Memory/Set Button
21. (VCD) Skip/Previous Button
(CD) Track Down/Review Button
(TUNER) Preset Down Button
(TAPE 2) Fast Wind Button
22. (VCD) Skip/Next Button
(CD) Track Up/Cue Button
(TUNER) Preset Up Button
(TAPE 2) Fast Wind Button
23. Equalizer Mode Selector Button
24. (VCD/CD) Disc Skip Button
25. (VCD/CD) Open/Close Button
26. (TAPE 2) Record Pause Button
27. (TAPE 2) Reverse Play Button
28. (VCD) Stop/Return Button
(CD/TAPE) Stop Button
29. (TAPE 2) Reverse Mode Button
30. (VCD/CD) Play/Repeat Button
(TAPE 1) Play Button
(TAPE 2) Forward Play Button
31. Extra Bass/Demo Mode Button
32. Microphone Sockets
33. Microphone Level Controls
34. (TAPE 1) Cassette Compartment
35. (TAPE 2) Cassette Compartment



■ Rear panel

1. AC Voltage Selector
2. AC Power Lead
3. FM 75 Ohms Aerial Terminal
4. FM Aerial Earth Terminal
5. AM Loop Aerial Input Socket
6. Surround Speaker Terminals
7. Span Selector Switch
8. Video Output Socket
9. Video/Auxiliary (Audio Signal) Input Sockets
10. Front Speaker Terminals
11. Centre Speaker Terminals



■ Display

1. Extra Bass Indicator
2. Spectrum Analyzer/Volume Level Indicator
3. (VCD/CD) Disc Number Indicators
4. Karaoke Mode Indicator
5. (VCD/CD/TUNER) Memory Indicator
6. (VCD/CD) Pause Indicator
7. (TAPE 2) Record Indicator
8. (VCD/CD) Play Indicator
9. (VCD/CD) Music Schedule Indicators

10. (VCD/CD) More Tracks Indicator

11. Sleep Indicator

12. FM Stereo Mode Indicator

13. (TAPE) Reverse Mode Indicator

14. (TAPE 2) Reverse Play Indicator

15. (TAPE 1) Play Indicator

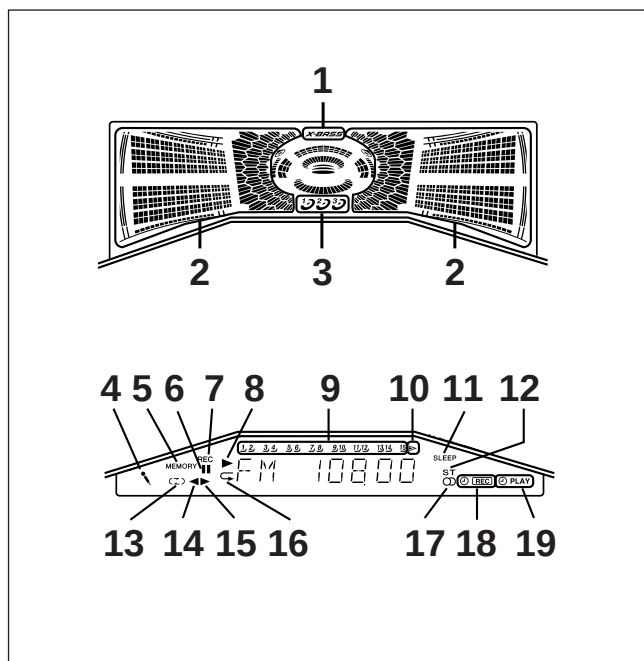
- (TAPE 2) Forward Play Indicator

16. (VCD/CD) Repeat Indicator

17. FM Stereo Indicator

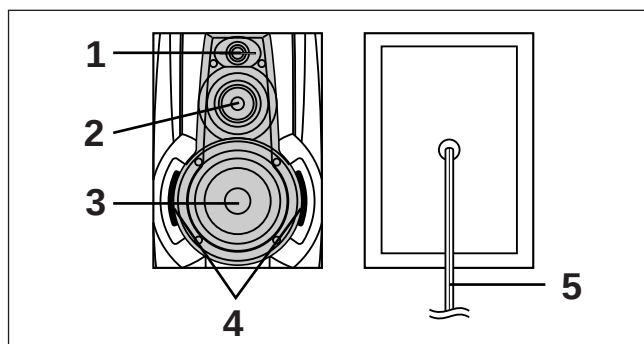
18. Timer Record Indicator

19. Timer Play Indicator



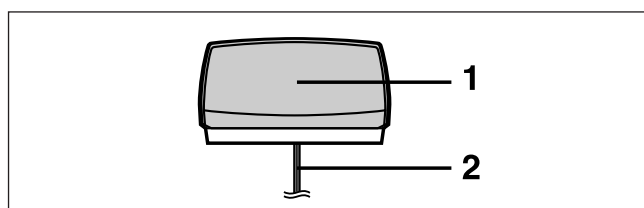
■ Front speaker

1. Super Tweeter
2. Tweeter
3. Woofer
4. Bass Reflex Ducts
5. Speaker Wire



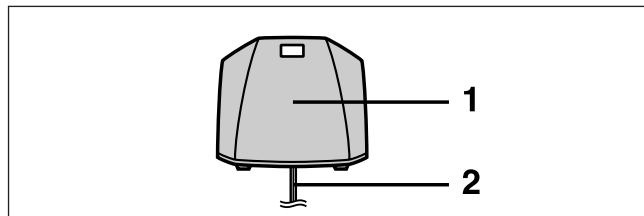
■ Center speaker

1. Full-Range Speaker
2. Speaker Wire



■ Surround speaker

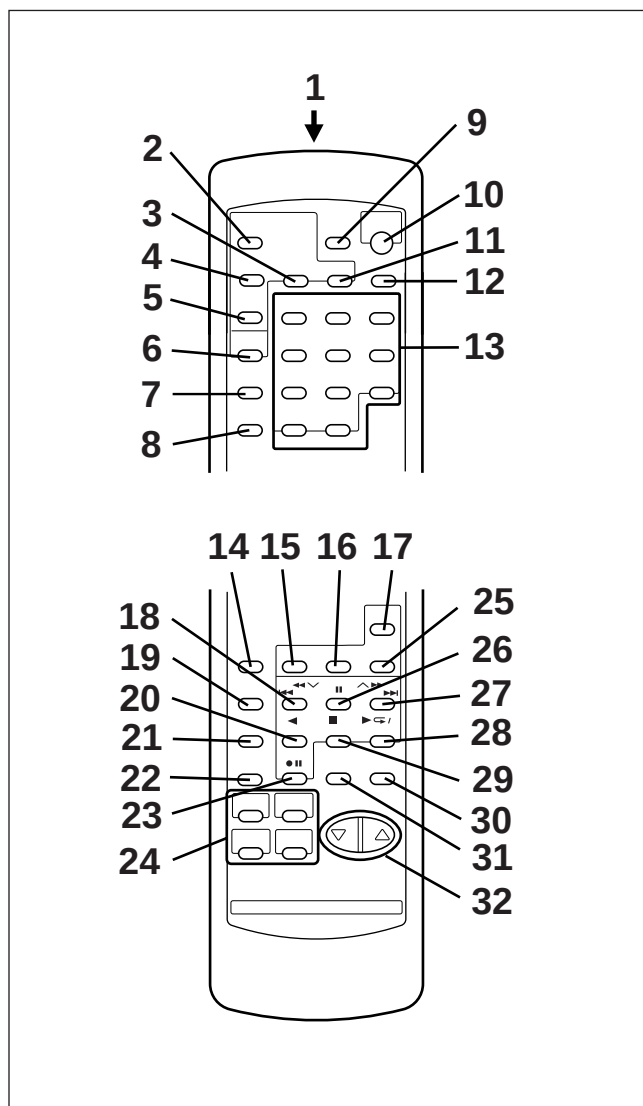
1. Full-Range Speaker
2. Speaker Wire



CD-DK2600V

■ Remote control

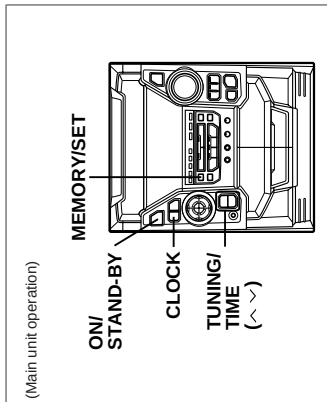
1. Remote Control Transmitter LED
2. Dolby/Test Button
3. Balance Control Button
4. Surround Level Button
5. Centre Level Button
6. Shift Button
7. (VCD) VCD Auto/On Button
8. (VCD) Playback Control Auto/Off Button
9. Karaoke Mode Button
10. On/Stand-by Button
11. Echo Level Button
12. Vocal Replacer Button
13. (VCD) Direct Search Button
14. (VCD) On Screen Display On/Off Button
15. (VCD/CD) Clear Button
16. (VCD/CD) Memory Button
17. (VCD/CD) Disc Skip Button
18. (VCD) Skip/Previous Button
19. (CD) Track Down/Review Button
20. (TUNER) Preset Down Button
21. (TAPE 2) Fast Wind Button
22. (VCD) Digest/Time Search Button
23. (TAPE 2) Reverse Play Button
24. (VCD) Bookmark Button
25. (VCD) PAL/NTSC Select Button
26. (TAPE 2) Record Pause Button
27. Function Selector Buttons
28. (VCD/CD) Random Button
29. (VCD/CD) Pause Button
30. (VCD) Skip/Next Button
31. (CD) Track Up/Cue Button
32. (TUNER) Preset Up Button
33. (TAPE 2) Fast Forward Button
34. (VCD) Play/Repeat/Select/Resume Button
35. (CD) Play/Repeat Button
36. (TAPE 1) Play Button
37. (TAPE 2) Fast Wind Button
38. (VCD) Stop/Return Button
39. (CD/TAPE) Stop Button
40. Extra Bass Button
41. Equalizer Mode Selector Button
42. Volume Up/Down Buttons



OPERATION MANUAL

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 stand-by mode.
- 2 Press the **CLOCK** button.

CLOCK

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

0:00

- 4 Press the **TUNING/TIME (~ ^)** button to select the time display mode.

"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.

0:00

0:00 ↔ AM 0:00 ↔ AM 12:00

RESETTING THE MICROCOMPUTER

Reset the microcomputer under the following conditions:
 • To erase all of the stored memory contents (clock and tuner settings, and tuner and CD presets).
 • If the display is not correct.
 • If the operation is not correct.

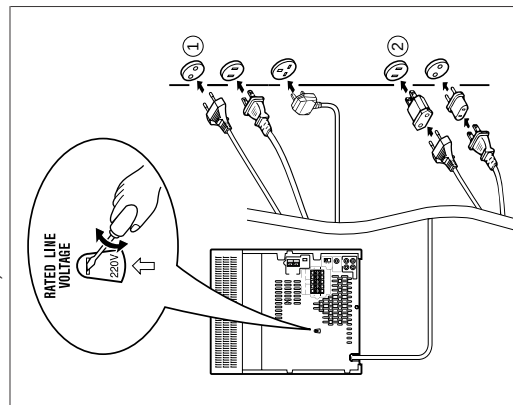
- 1 Press the **ON/STAND-BY** button to enter the stand-by mode.
- 2 Whilst pressing down the **▶** button and the **X-BASS/DEMO** button, hold down the **ON/STAND-BY** button for at least 1 second.
 "CLEAR AL" will appear.

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 (110V, 127V, 220V or 230V - 240V AC).



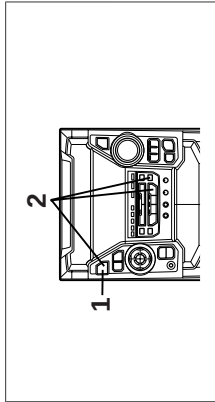
To an AC socket

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

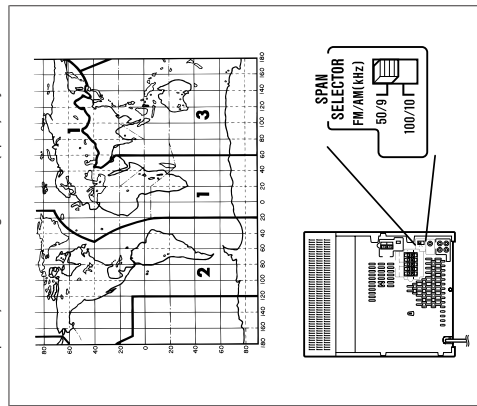
In areas (or countries) where an AC socket as shown in illustration ② is used, connect the unit using the AC plug adaptor supplied with the unit, as illustrated. The AC plug adaptor is not included in areas where the AC wall socket and AC power plug can be directly connected (see illustration ①).



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

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 **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 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-DK2600V

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	8-1
2	Side Panel (Left/right)	1. Screw (B1) x8	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) x3	8-2
4	Rear Panel	1. Screw (D1) x11	8-2
5	Main PWB	1. Screw (E1) x3 2. Socket (E2) x3 3. Flat Cable (E3) x1 4. Lug Wire (E4) x1 5. Socket (E5) x1	8-2 9-3
6	Power Supply PWB	1. Screw (F1) x1 2. Socket (F2) x5 3. Flat Wire (F3) x1	9-3 9-4
7	Front Panel	1. Screw (G1) x2	9-3
8	Karaoke PWB	1. Screw (H1) x2	9-4
9	Display PWB/ Headphones PWB	1. Screw (J1) x14 2. Flat Cable (J2) x1	9-4
10	Tape Mechanism	1. Open the cassette holder 2. Screw (K1) x5	9-4
11	Turntable	1. Hook (L1) x2 2. Cover (L2) x1	9-5
12	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. (M1) x6	9-1 9-2 9-6
13	CD Video PWB (Note 2)	1. Screw (N1) x1 2. Hook (N2) x2 3. Socket (N3) x4	10-1
14	CD Mechanism	1. Hook (P1) x2 2. Hook (P2) x3	10-2
15	Loading Motor PWB	1. Hook (Q1) x5	10-2

Note 1:

How to open the changer manually. (Fig. 9-1)

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 anticlockwise until the cam gear rib engages with the clamp lever. (Fig. 9-2)
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 so as to protect the optical pickup from electrostatic damage.

Note 3:

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

CD-DK2600V

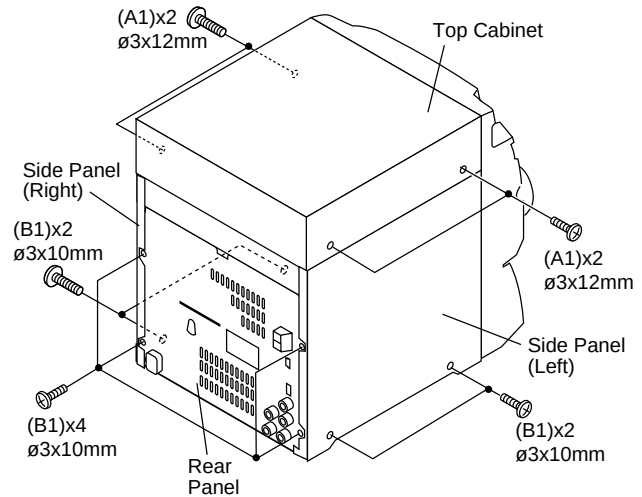


Figure 8-1

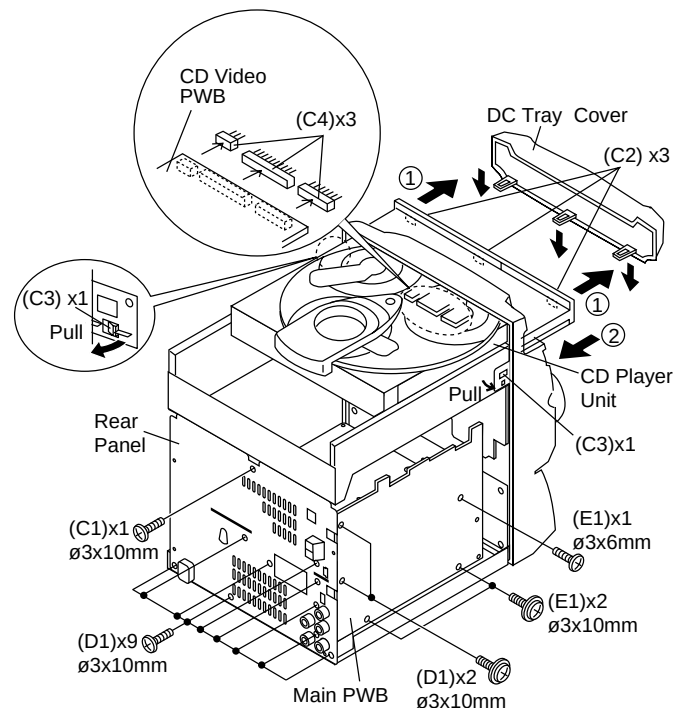


Figure 8-2

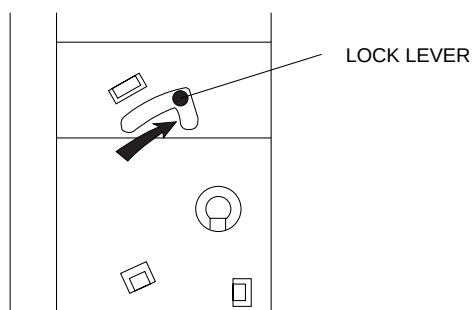


Figure 9-1

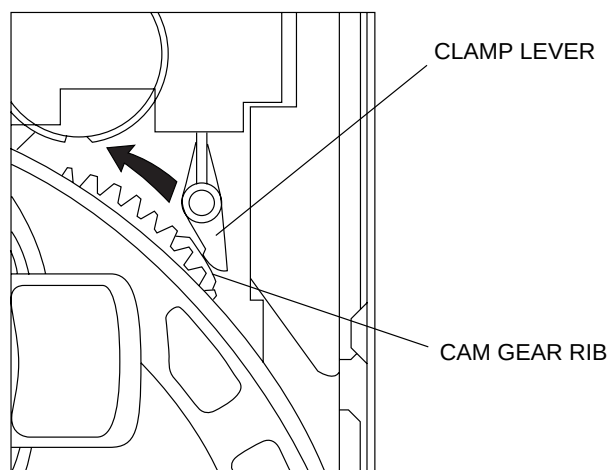


Figure 9-2

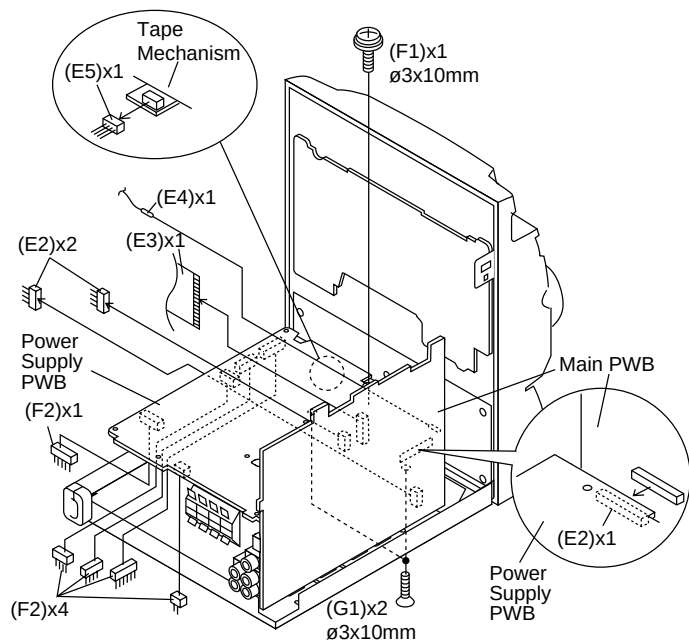


Figure 9-3

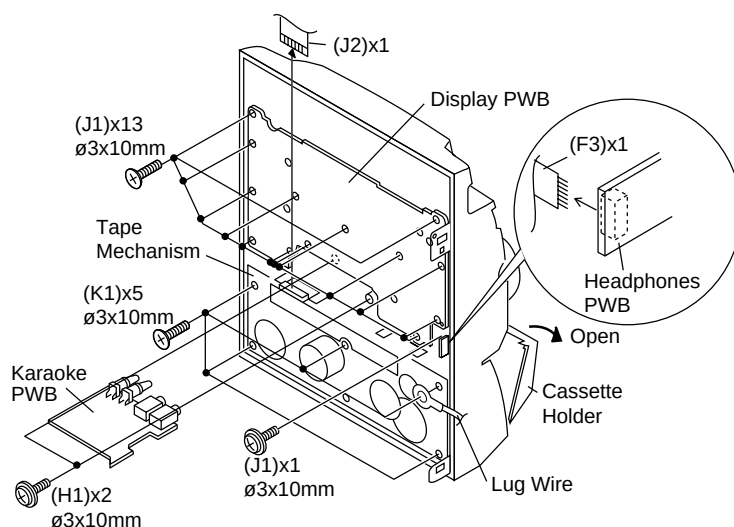


Figure 9-4

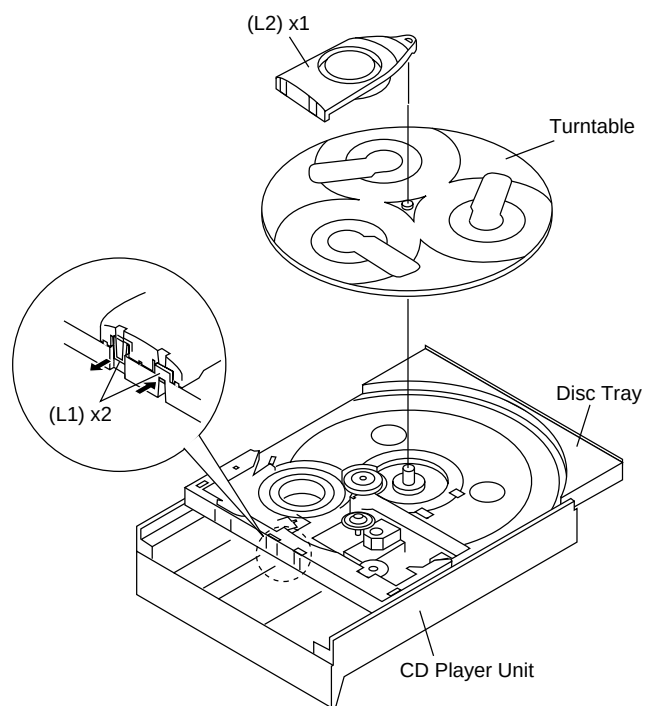


Figure 9-5

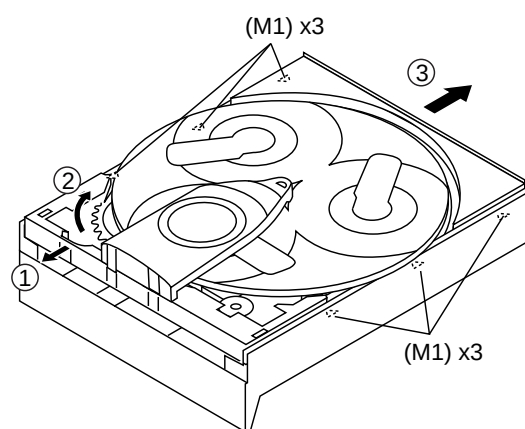


Figure 9-6

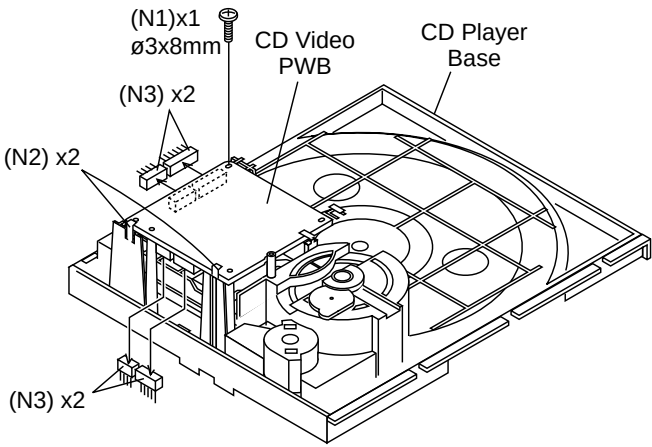


Figure 10-1

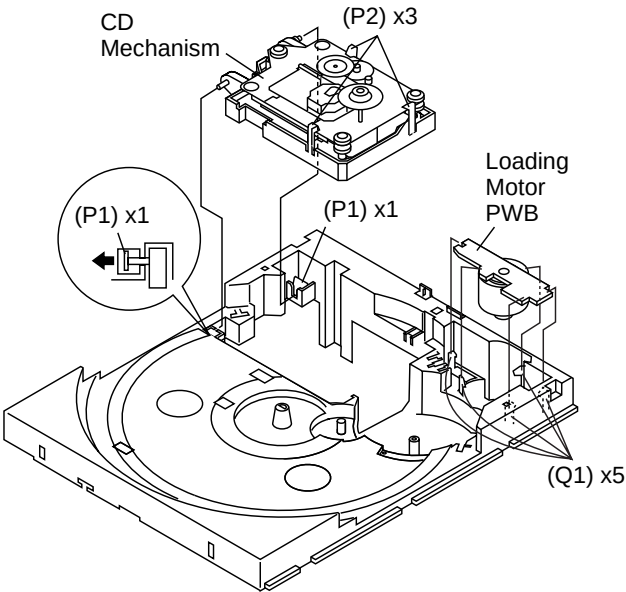


Figure 10-2

CP-DK2600			
STEP	REMOVAL	PROCEDURE	FIGURE
1	Front Panel	1. Front Panel (A1) x1	10-3
2	Woofers	1. Screw (B1) x4	10-4
4	Tweeter	1. Screw (C1) x2	10-4
5	Super Tweeter	1. Screw (D1) x2	10-4

CP-DK2600

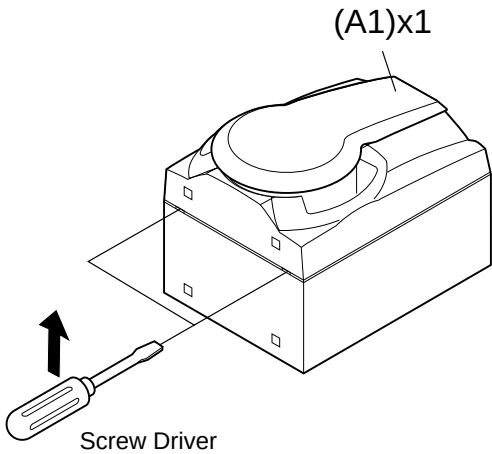


Figure 10-3

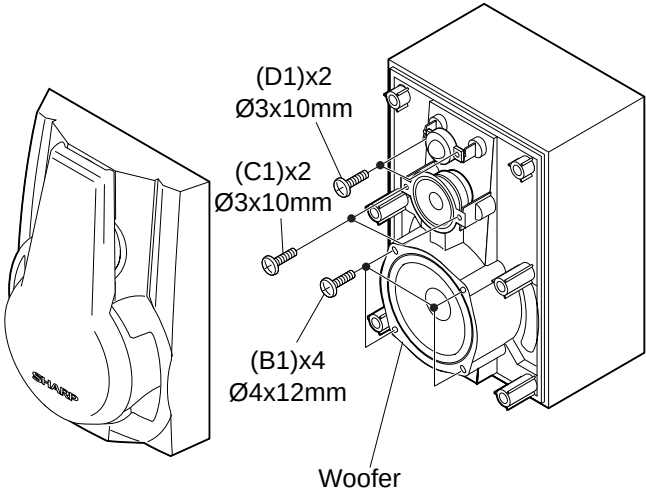


Figure 10-4

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 7 and 10 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. When you remove the screw (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

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

1. When you remove the screw (B1) x 2 pcs., the playback head.

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

1. Carefully push the inside claw to remove it. The pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (C1) x 1 pc., in the direction of the arrow .

Note:

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

How to remove the belt (TAPE 1) (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 2) (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.

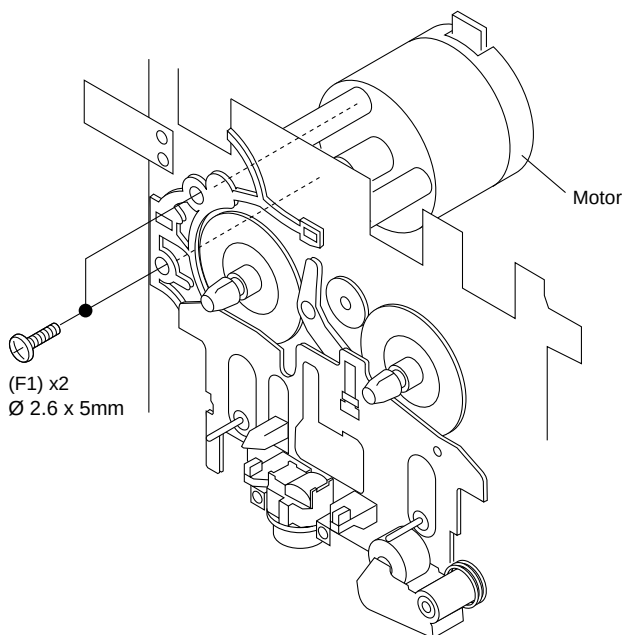


Figure 11-5

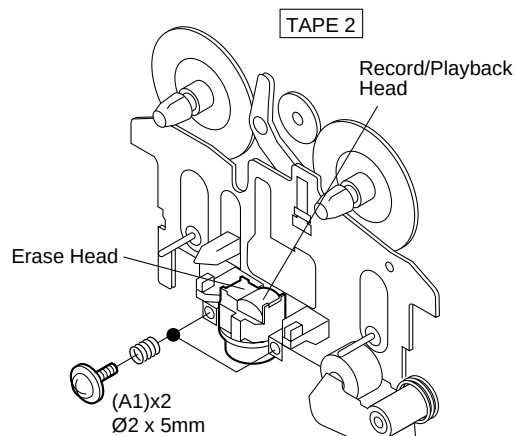


Figure 11-1

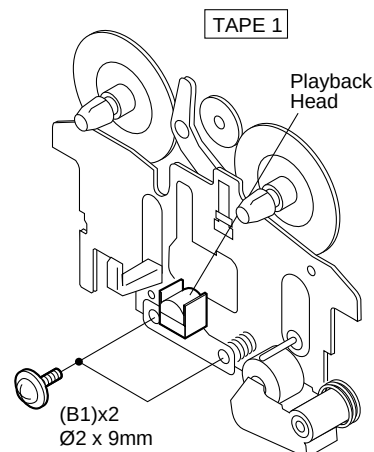


Figure 11-2

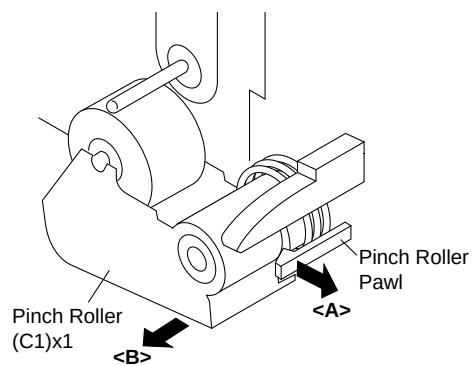


Figure 11-3

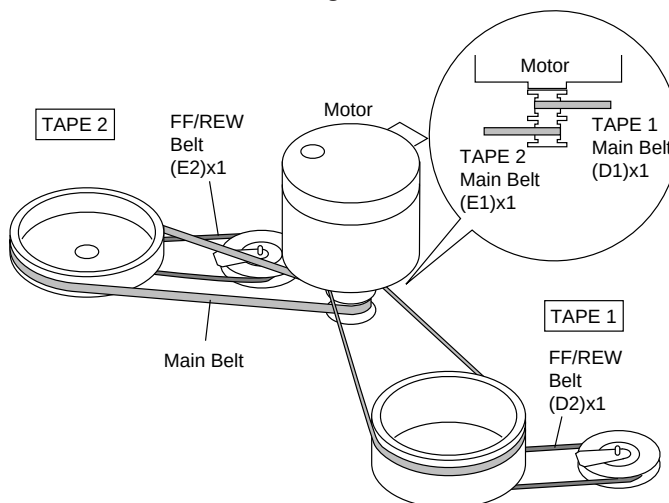


Figure 11-4

CD MECHANISM SECTION

Perform steps 1, 2, 3, and 11 to 14 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 loading motor.

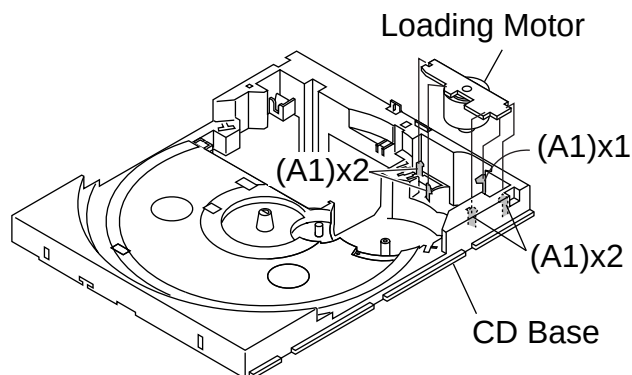


Figure 12-1

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

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

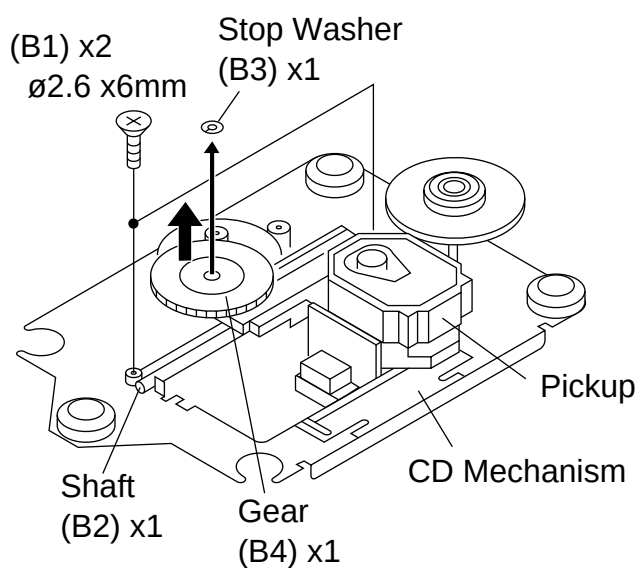


Figure 12-2

TEST MODE

During POWER OFF mode, push below each 2 keys [ON/STAND-BY] key. Then go to each TEST MODE.

KEY	TEST MODE	CONTENTS
[ON/STAND-BY] [TUNER] + [X-BASS]	TEST 1	TUNER PRESET MEMORY CLEAR
[ON/STAND-BY] [MEMORY/SET] + [X-BASS]	TEST 2	TUNER PRESET FOR PRODUCTION
[ON/STAND-BY] [▶▶] + [X-BASS]	TEST 3	KEY AND DISPLAY TEST
[ON/STAND-BY] [CD] + [X-BASS]	TEST 4	CD TEST MODE
[ON/STAND-BY] [TAPE] + [X-BASS]	TEST 5	TAPE TEST MODE
[ON/STAND-BY] [▶] + [X-BASS]	TEST 6	ALL CLEAR(RESET)
[ON/STAND-BY] [TUNING/TIME UP ^] + [X-BASS]	TEST 7	AUDIO TEST
[ON/STAND-BY] TUNING/TIME DOWN v + [X-BASS]	TEST 8	PRODUCTION INITIALIZE FOR CHANGER

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. (MM1)	3,000 $\pm$ 30 Hz	Front Speaker terminal (Load resistance: 6 ohms)

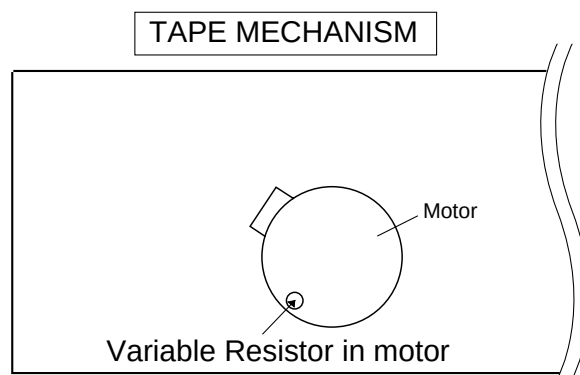


Figure 13-1

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 $\pm$ 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna, SO301 Output: TP302

*2. Input: Antenna, SO301 Output: TP301

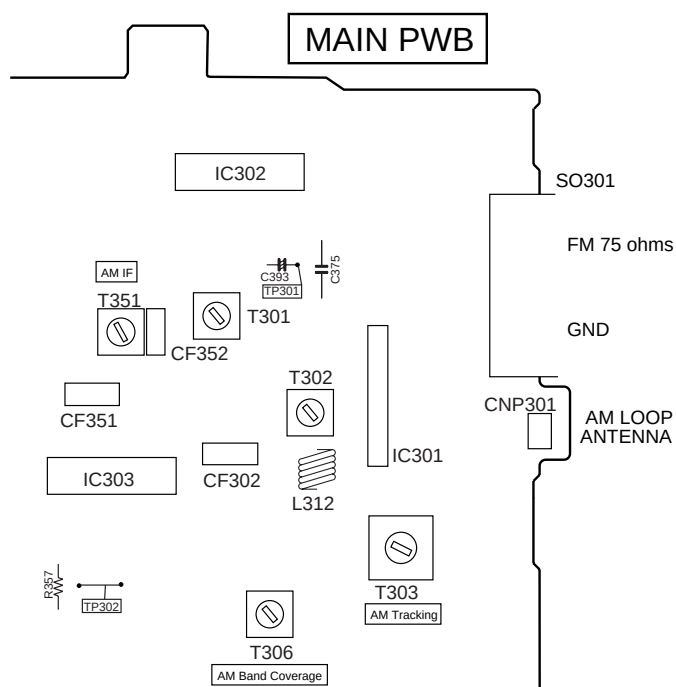


Figure 13-2 ADJUSTMENT POINT

CD SECTION

• Adjustment

Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups 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 14 EFBL)
- (3) Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0dB.)
 - * Focus gain adjustment
 - * Tracking gain adjustment

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 not functioning (Low → High) Open/Close SW not functioning (High → Low)
0201 0203	[Error during open operation] Open/Close SW not functioning (Low → High) Open/Close SW not functioning (High → Low)
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 not function (Low → High) Clamp SW not function (High → Low)

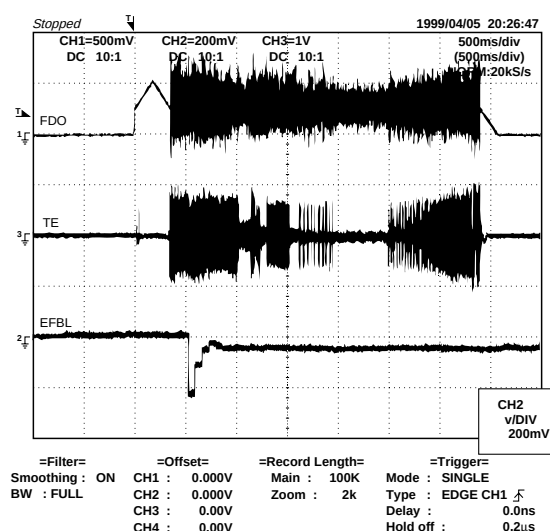


Figure 14

EXPLANATION OF DOLBY SURROUND PRO LOGIC AND EVALUATION METHOD

Outline

- Namely, two speakers are connected in parallel to one amplifier.
- In the Pro Logic BYPASS mode the amplifier for C-ch (center channel) and the amplifier for S-ch (surround channel) are in MUTE state. The SP output is cut.
- In the normal mode of Pro Logic ON mode the amplifiers for C-ch and S-ch are in operative state, so that the SP output appears.
- In the Phantom mode of Pro Logic ON mode the amplifier for C-ch is in MUTE state, so that the SP output is cut. The amplifier for S-ch (surround) is in operative state, so that the SP output appears

• State of element output and terminal output in specific mode

State of set Output point		Dolby Pro Logic Bypass mode	Dolby Pro Logic On mode	
			Normal mode	Phantom mode
IC501	1 pin L-out	Output enabled state	Output enabled state	Output enabled state
	2 pin R-out	Output enabled state	Output enabled state	Output enabled state
IC501	3pin C-out	No output	Output enabled state	No output
IC501	9pin S-out	No output	Output enabled state	Output enabled state
SP OUT (SO901)	L-ch	Output enabled state	Output enabled state	Output enabled state
	R-ch	Output enabled state	Output enabled state	Output enabled state
SP OUT C-ch (SO901)		No output in MUTE (Q501) state	Output enabled state	No output in MUTE (Q501) state
SP OUT S-ch (SO901)		No output in MUTE (Q502) state	Output enabled state	Output enabled state

Test tone output

• Pro Logic ON Normal mode

Press the remote control TEST TONE button.

→Output of only L-ch →Output of only C-ch

↑

Output of only S-ch ← Output of only R-ch

The test tone (noise) is repeatedly output for output period (2 sec).

In this case the following indication appears repeatedly.

→TEST →L-ch →C-ch

↑

S-ch ← R-ch

• Pro Logic ON Phantom mode

Press the remote control TEST TONE button.

→Output of only L-ch →Output of only R-ch

↑

← Output of only S-ch

The test tone (noise) is repeatedly output for output period (2 sec).

In this case the following indication appears repeatedly.

→TEST →L-ch →R-ch

↑

← S-ch←

Relation between VIDEO IN input and output in Pro Logic ON state

(1) L-ch/R-ch same phase input into VIDEO IN input jack in VIDEO Function mode

Output point		Normal mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO901) SP out C-ch		Input signal is output.
(SO901) SP out S-ch		Almost no output (only omitting component)

Output point		Phantom mode
SP out (SO901)	L-ch	Input signal is output.
	R-ch	Input signal is output.
(SO901) SP out C-ch		SP cut, no output
(SO901) SP out S-ch		Almost no output (only omitting component)

(2) L-ch/R-ch reverse phase input into VIDEO IN input jack in VIDEO Function mode

(Reverse phase: Phase difference between L and R is 180°)

Output point		Normal mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO901) SP out C-ch		Almost no output (only omitting component)
(SO901) SP out S-ch		Input signal is output.

Output point		Phantom mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO901) SP out C-ch		SP cut, no output
(SO901) SP out S-ch		Input signal is output.

- Accordingly, if you want to output signal waveform to C-ch SP out, give the same phase input into L-ch/R-ch INPUT in the Pro Logic Normal mode.

If one of channels receives input, C-ch does not output. Only L-ch or R-ch outputs.

- If you want to output signal waveform to S-ch SP out, you can use either Normal mode or Phantom mode. However, 180° reverse phase input must be given to L-ch/R-ch INPUT.

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 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
SW1	OPEN/CLOSE	ON—OFF
SW2	CLAMP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW701	CD	ON—OFF
SW702	TAPE	ON—OFF
SW703	TUNING DOWN	ON—OFF
SW704	MEMORY/SET	ON—OFF
SW705	REV	ON—OFF
SW706	FF	ON—OFF
SW707	PLAY	ON—OFF
SW708	STOP	ON—OFF
SW710	REC	ON—OFF
SW711	TUNING UP	ON—OFF
SW712	VIDEO	ON—OFF
SW713	TUNING	ON—OFF
SW714	DIMMER	ON—OFF
SW715	X-BASS	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW716	EQUAL	ON—OFF
SW717	NORMAL	ON—OFF
SW718	PHANTOM	ON—OFF
SW719	BY-PASS	ON—OFF
SW720	ON/STAND-BY	ON—OFF
SW721	CLOCK	ON—OFF
SW722	TIMER	ON—OFF
SW723	KARAOKE MODE	ON—OFF
SW724	P.B.C	ON—OFF
SW725	OSD	ON—OFF
SW726	DIGEST	ON—OFF
SW727	BOOKMARK	ON—OFF
SW728	DISC 1	ON—OFF
SW729	DISC 2	ON—OFF
SW730	DISC 3	ON—OFF
SW731	DISC SKIP	ON—OFF
SW732	OPEN/CLOSE	ON—OFF

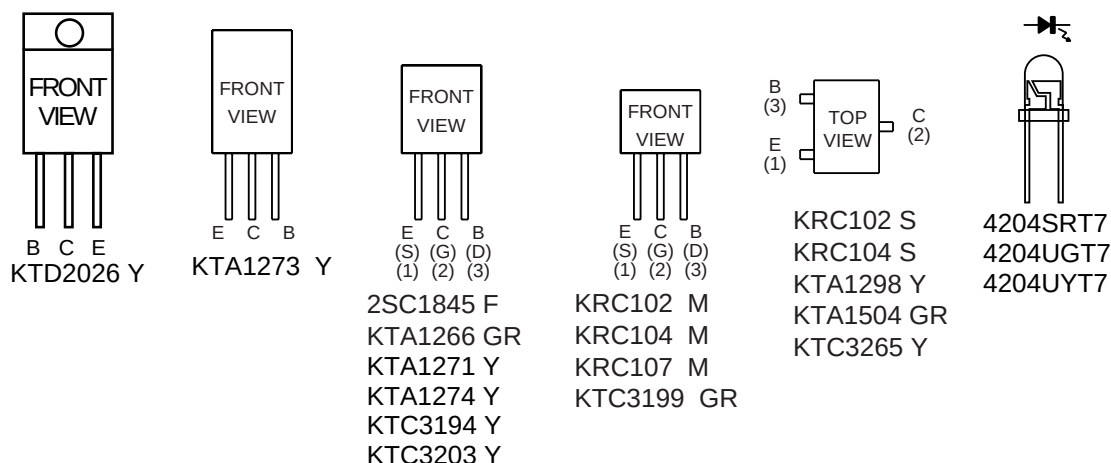


Figure 16 TYPES OF TRANSISTOR AND LED

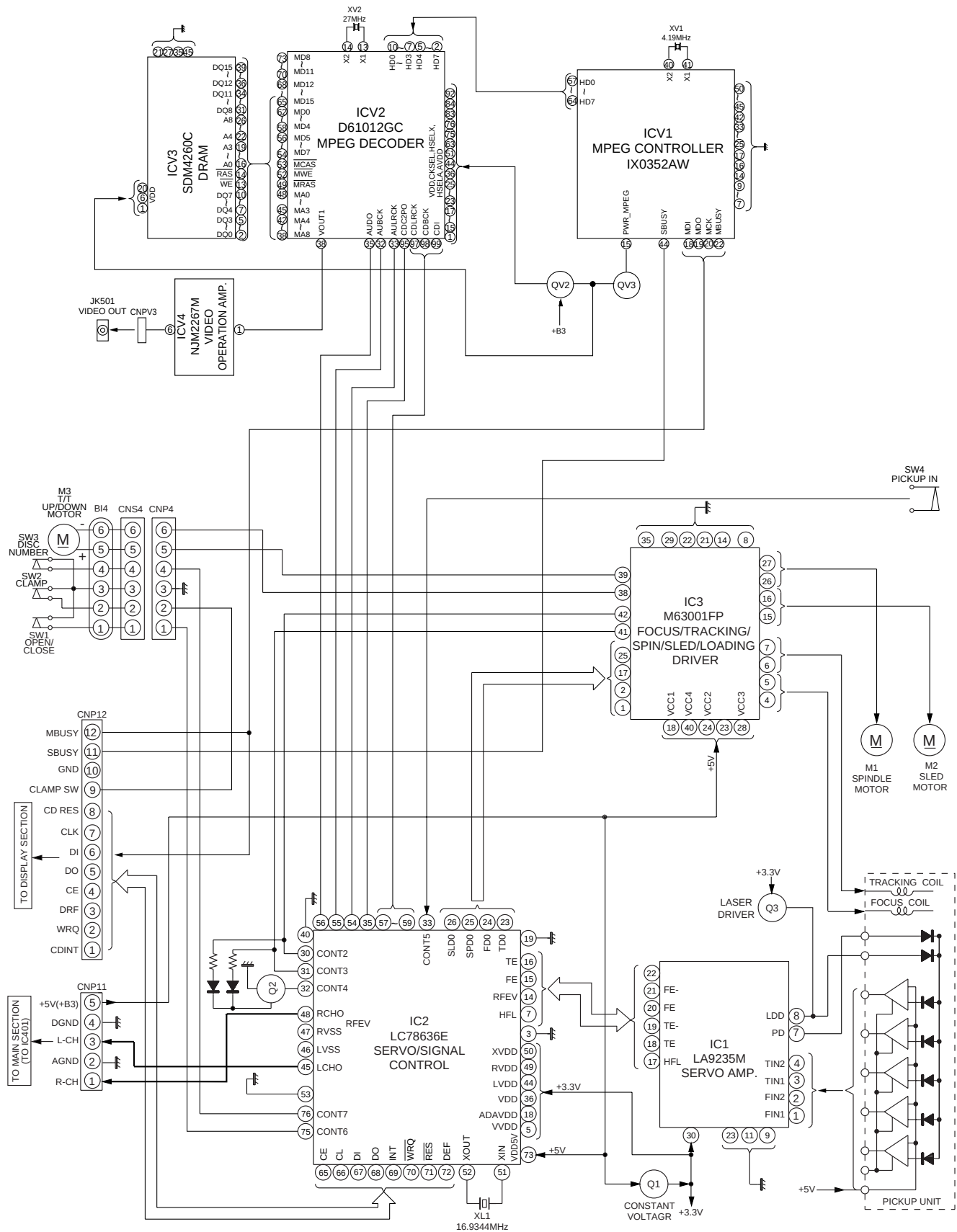


Figure 17 BLOCK DIAGRAM (1/3)

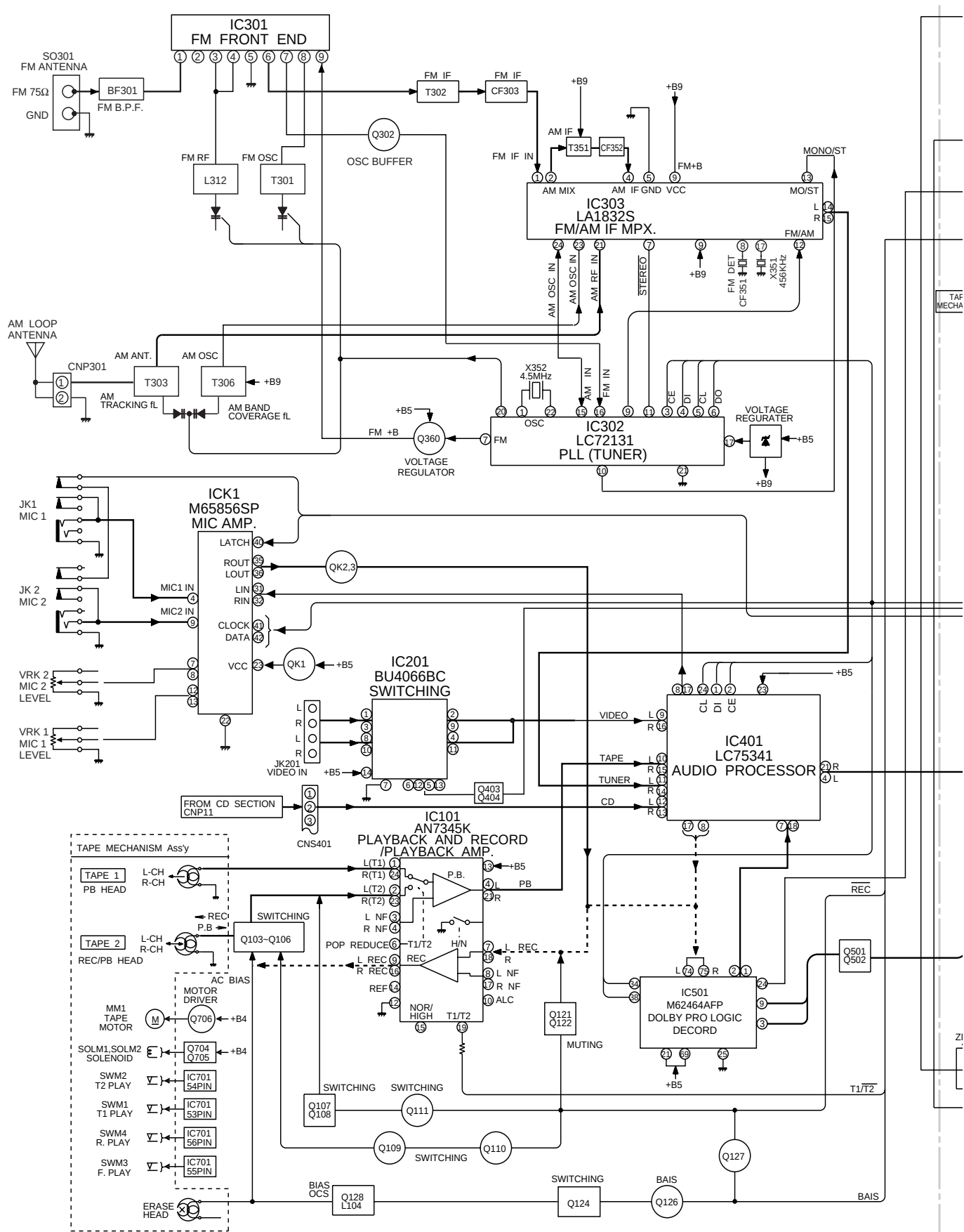


Figure 18 BLOCK DIAGRAM (2/3)

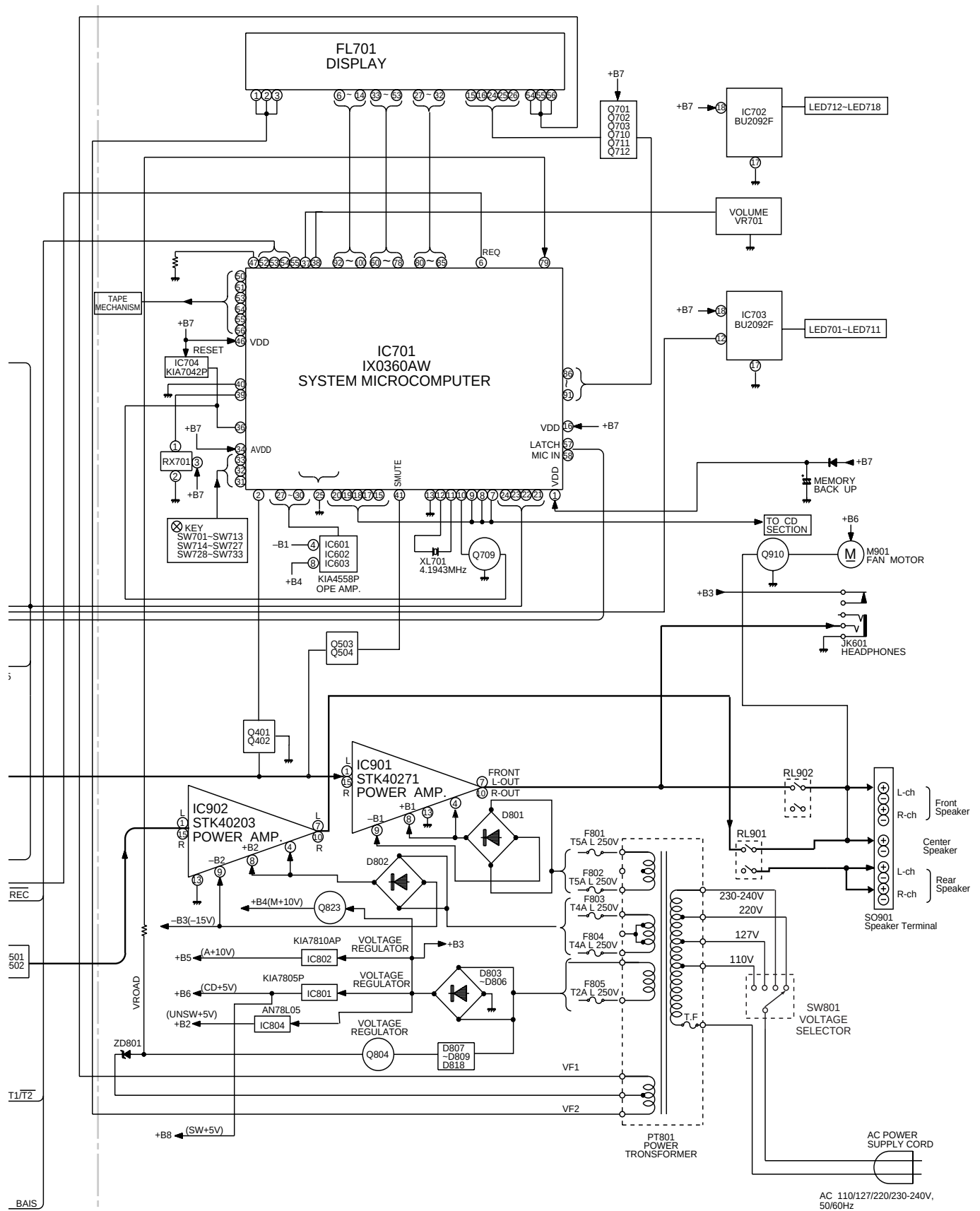
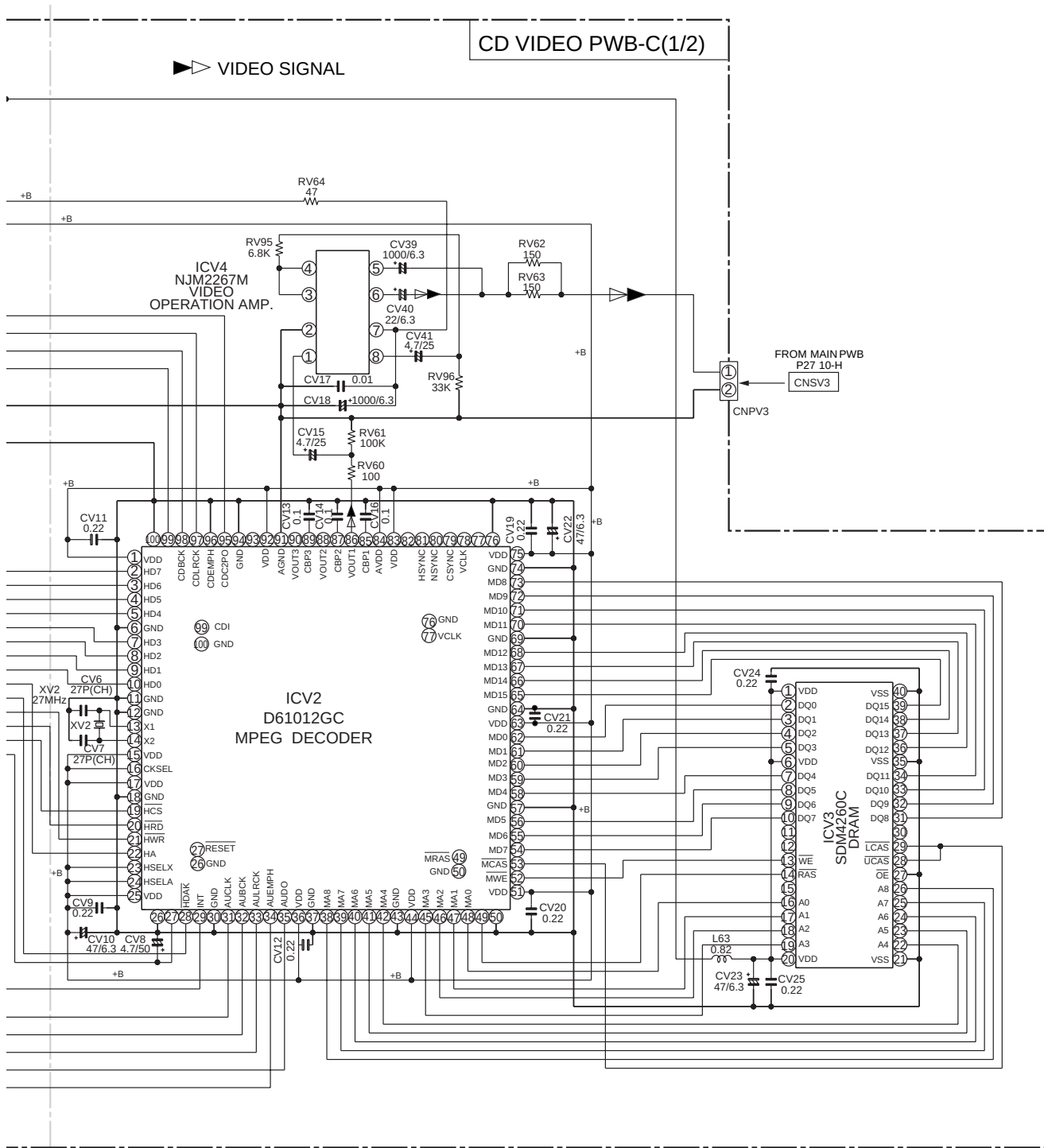


Figure 19 BLOCK DIAGRAM (3/3)



– 20 –



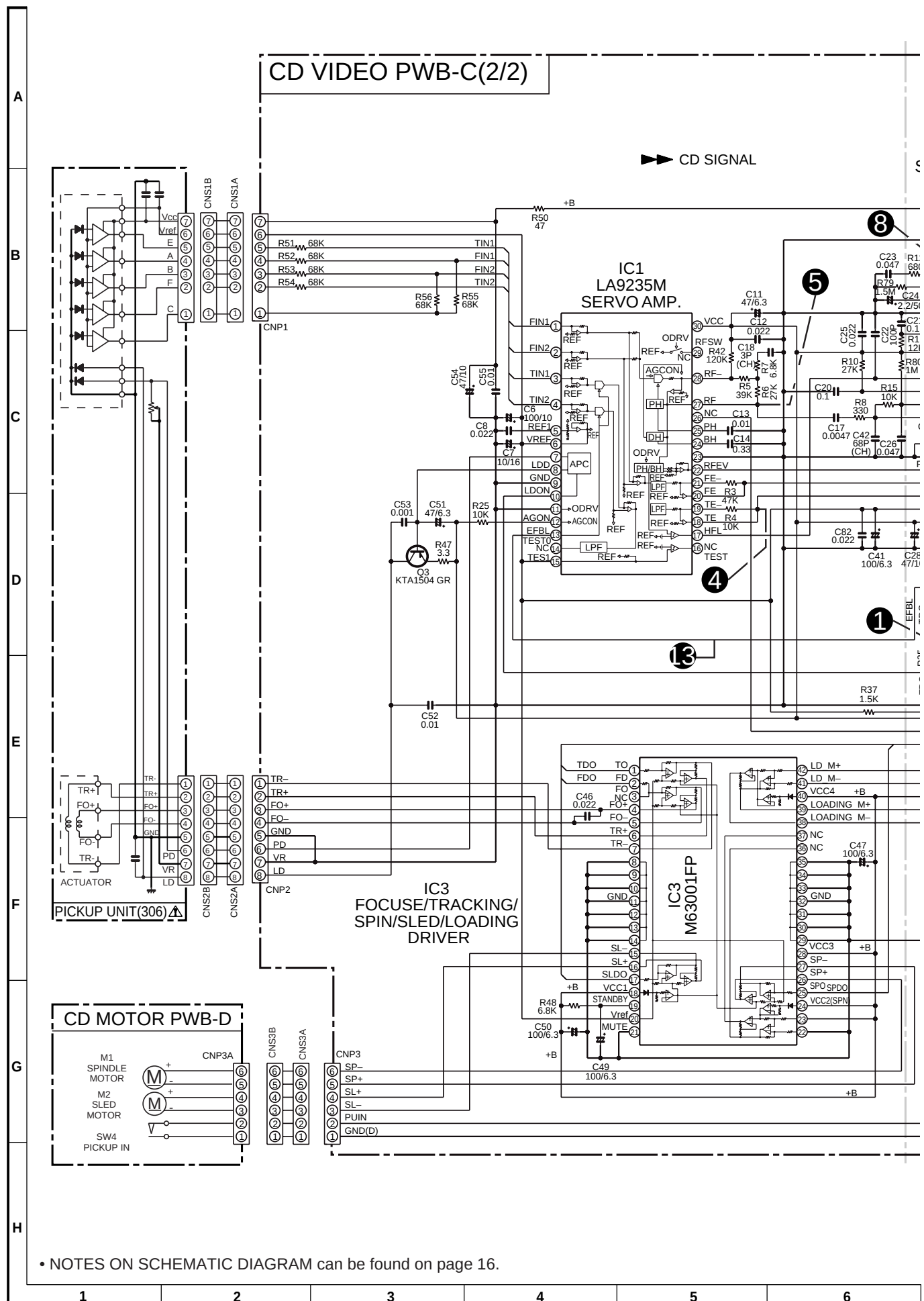
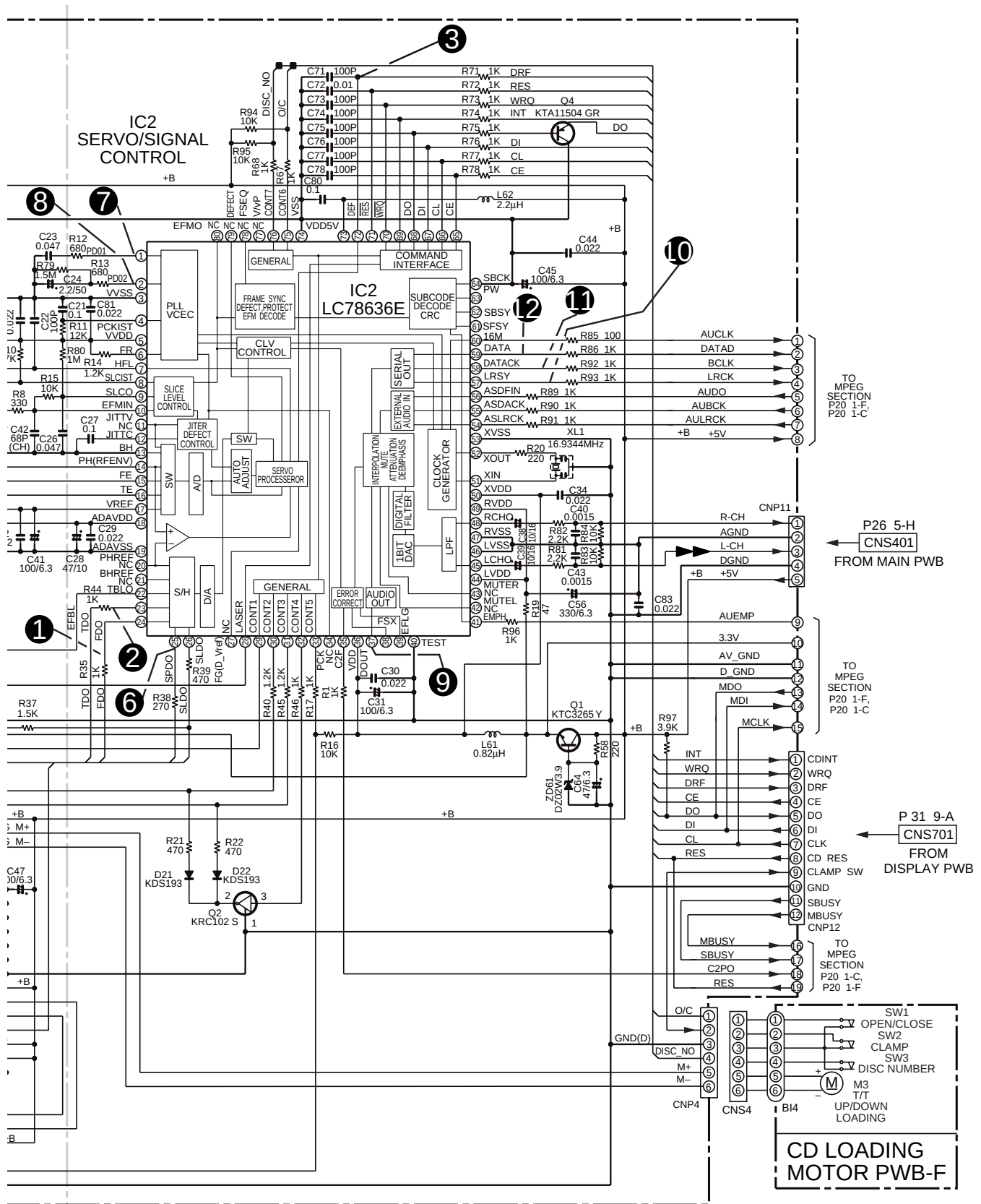


Figure 22 SCHEMATIC DIAGRAM (3/15)



• The numbers ① to ⑬ are waveform numbers shown in page 45.

7	8	9	10	11	12
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Figure 23 SCHEMATIC DIAGRAM (4/15)

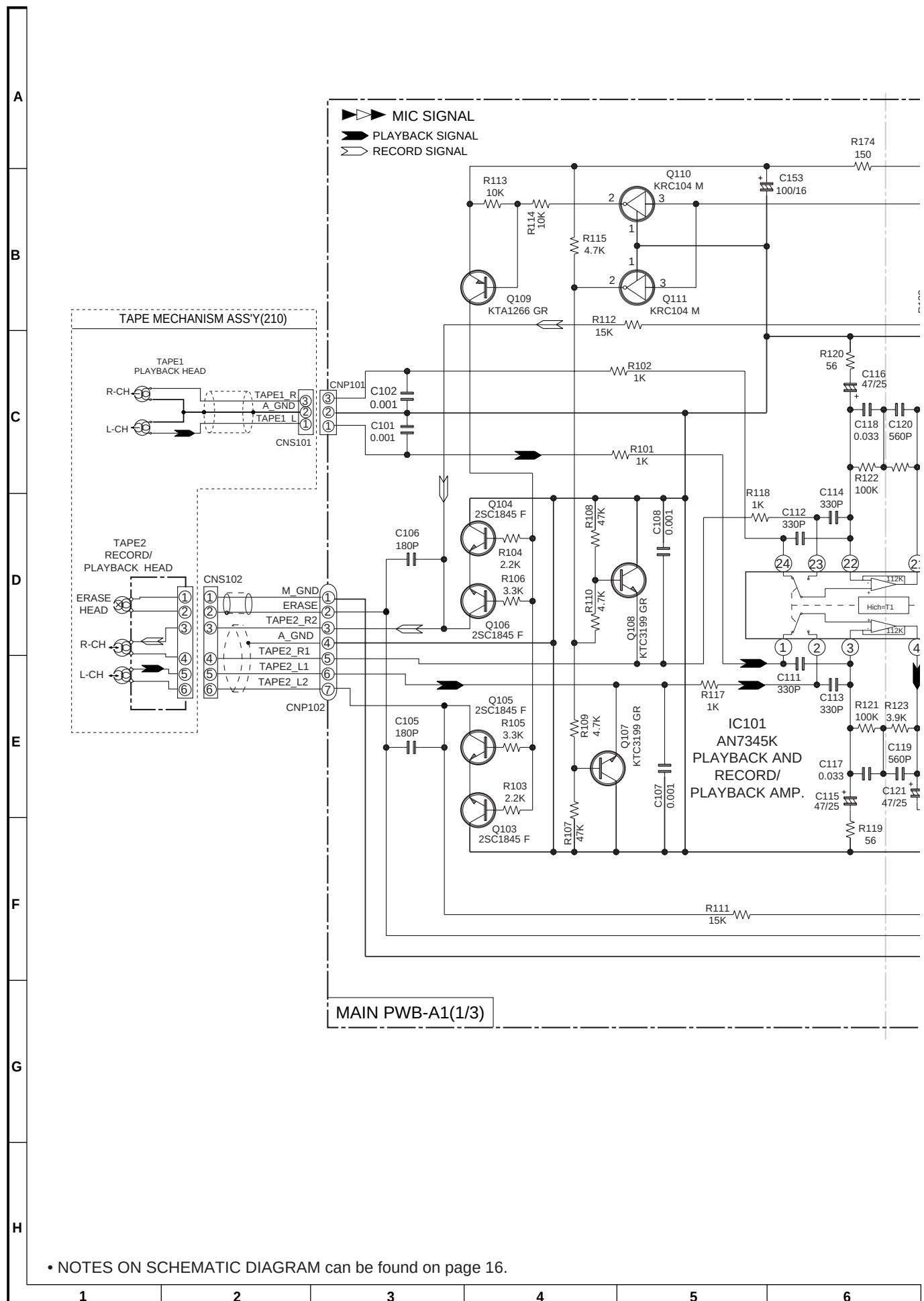


Figure 24 SCHEMATIC DIAGRAM (5/15)

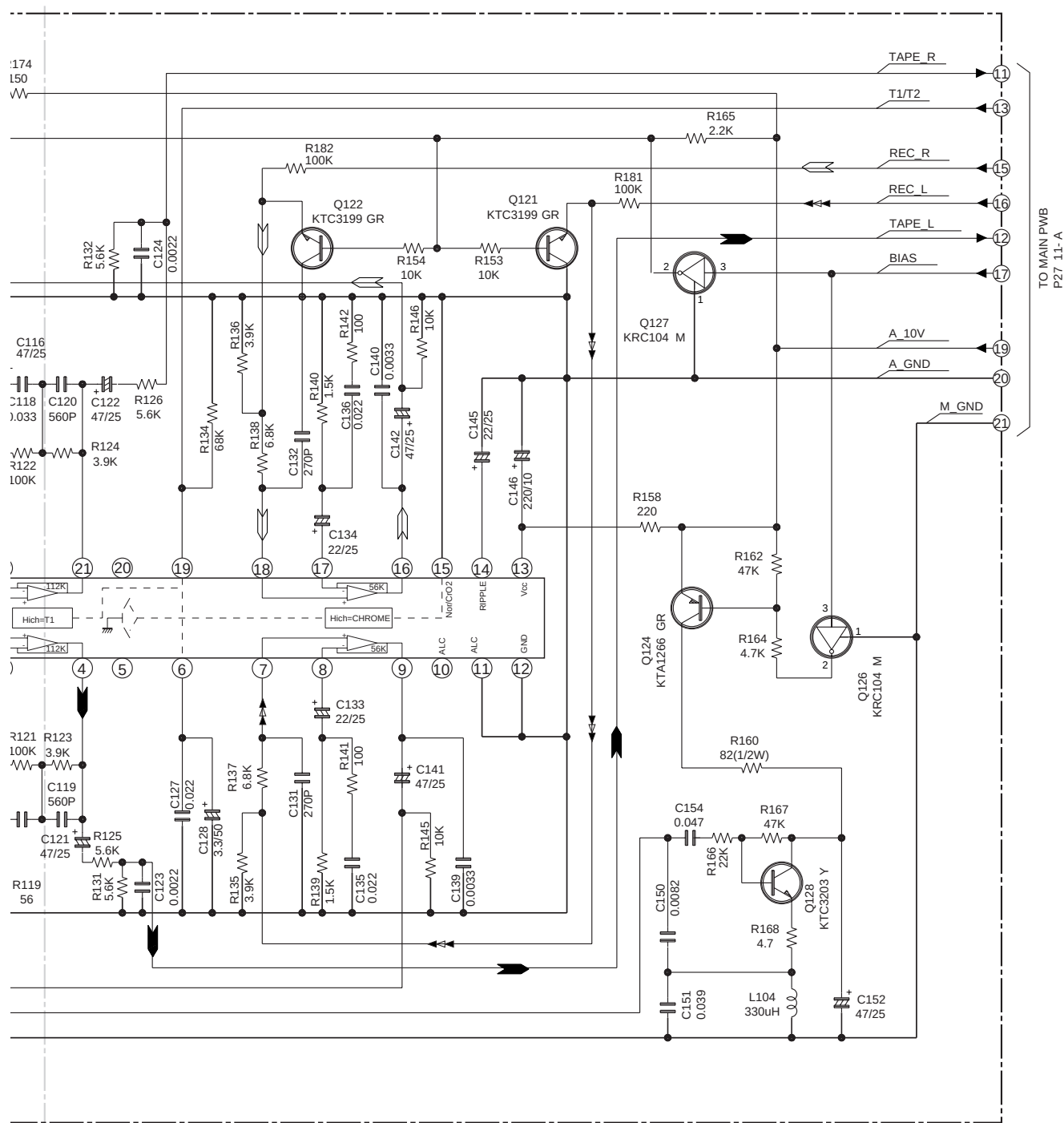
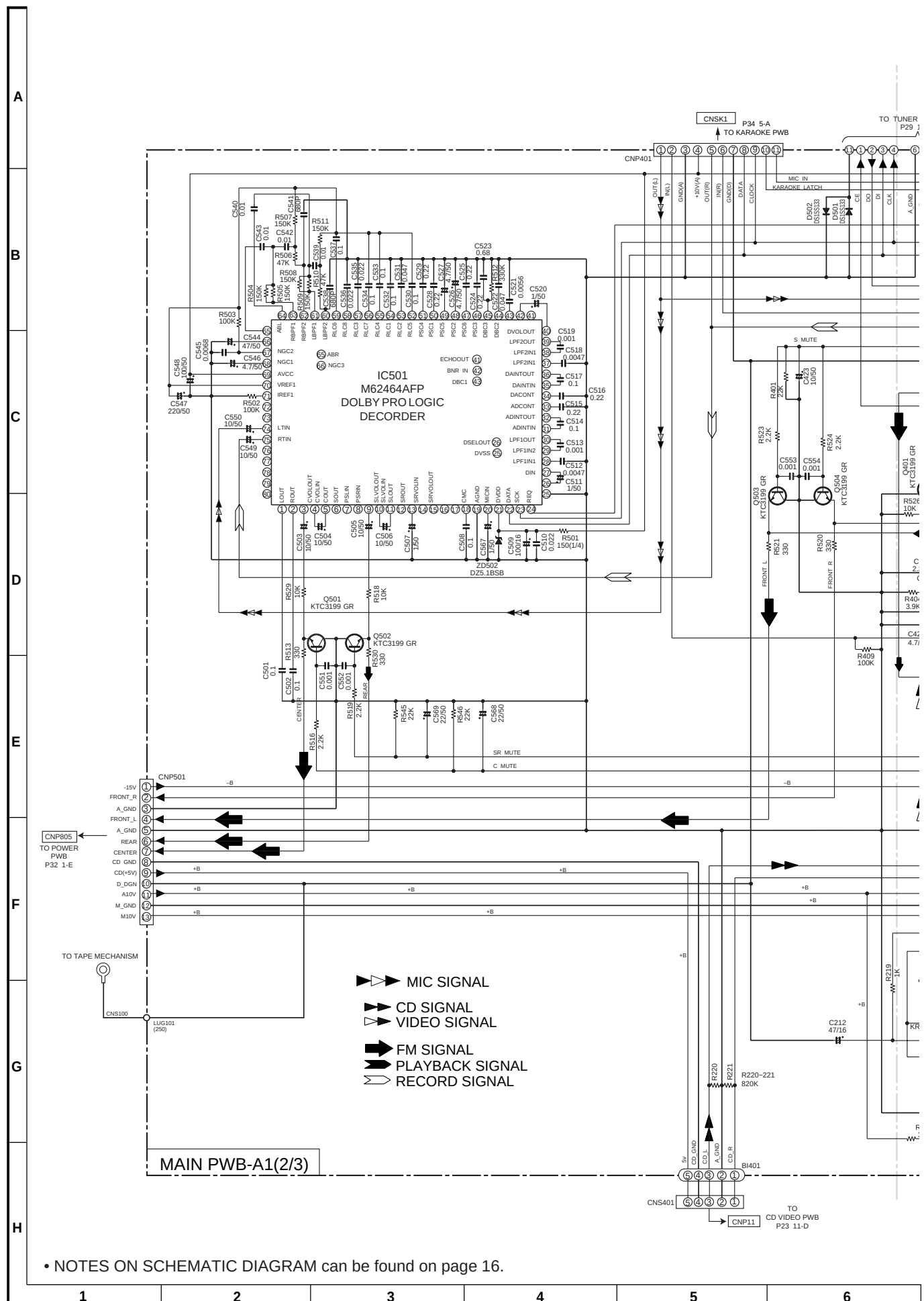


Figure 25 SCHEMATIC DIAGRAM (6/15)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 26 SCHEMATIC DIAGRAM (7/15)

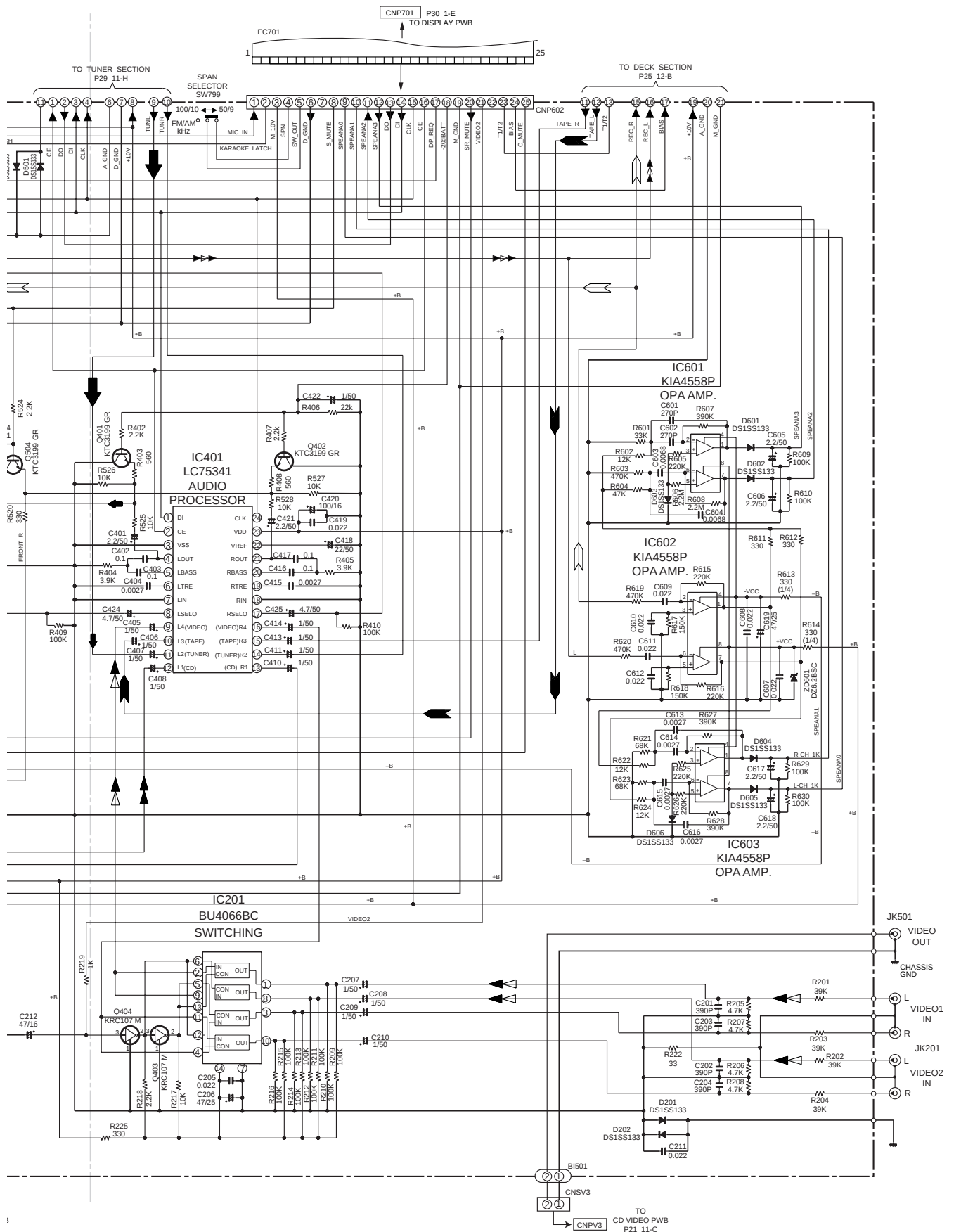


Figure 27 SCHEMATIC DIAGRAM (8/15)



– 28 –

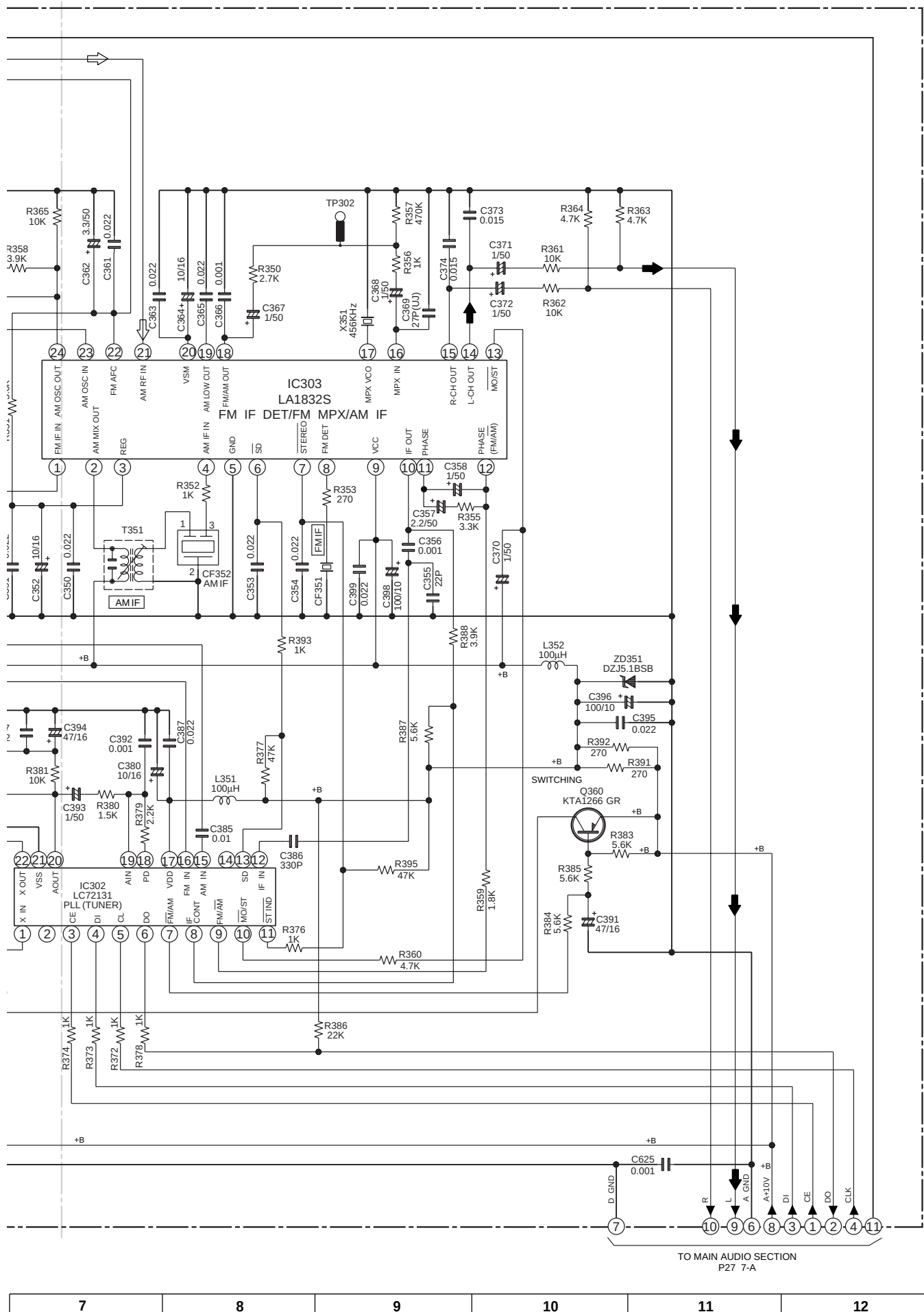


Figure 29 SCHEMATIC DIAGRAM (10/15)



– 30 –

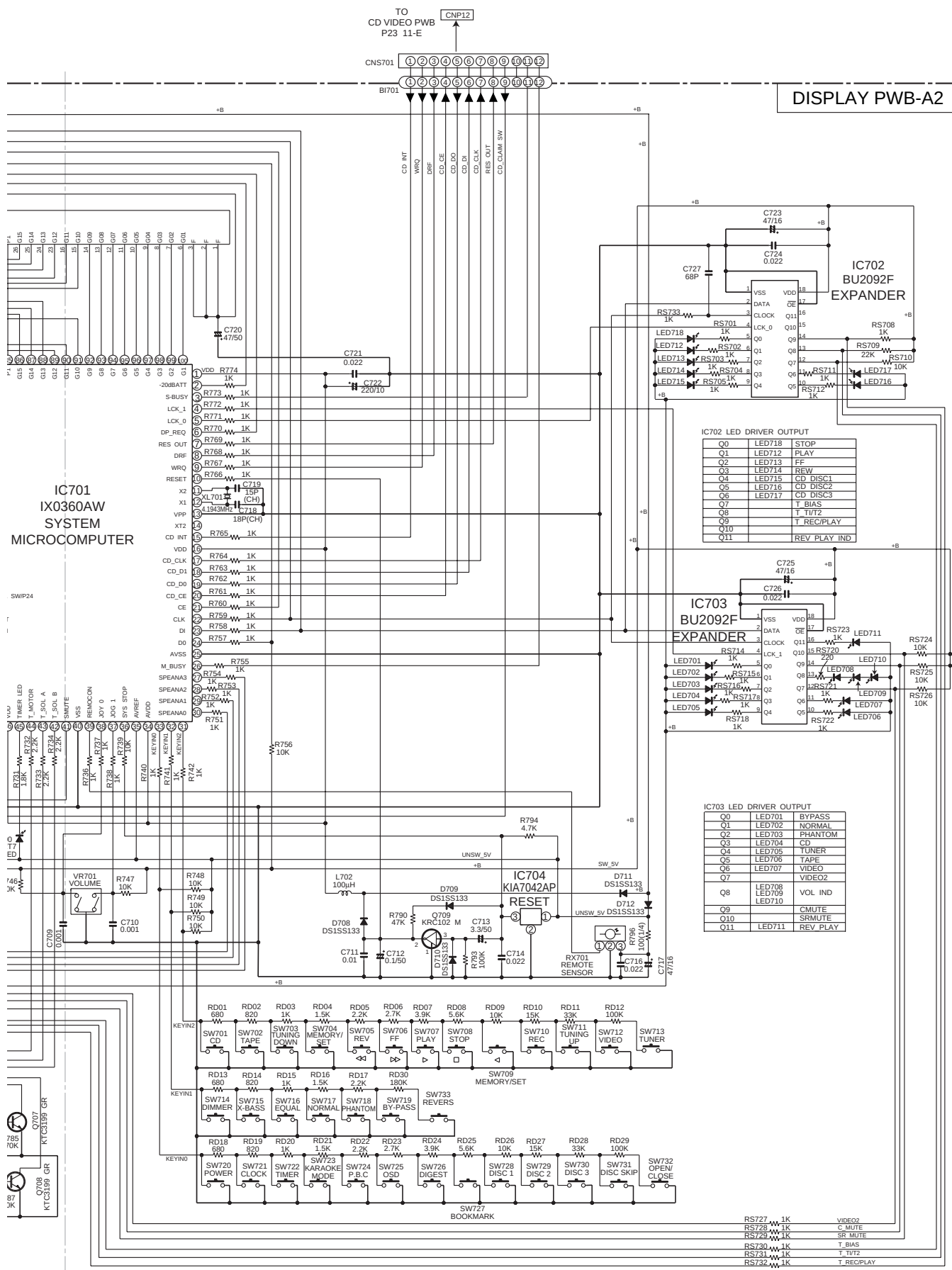


Figure 31 SCHEMATIC DIAGRAM (12/15)

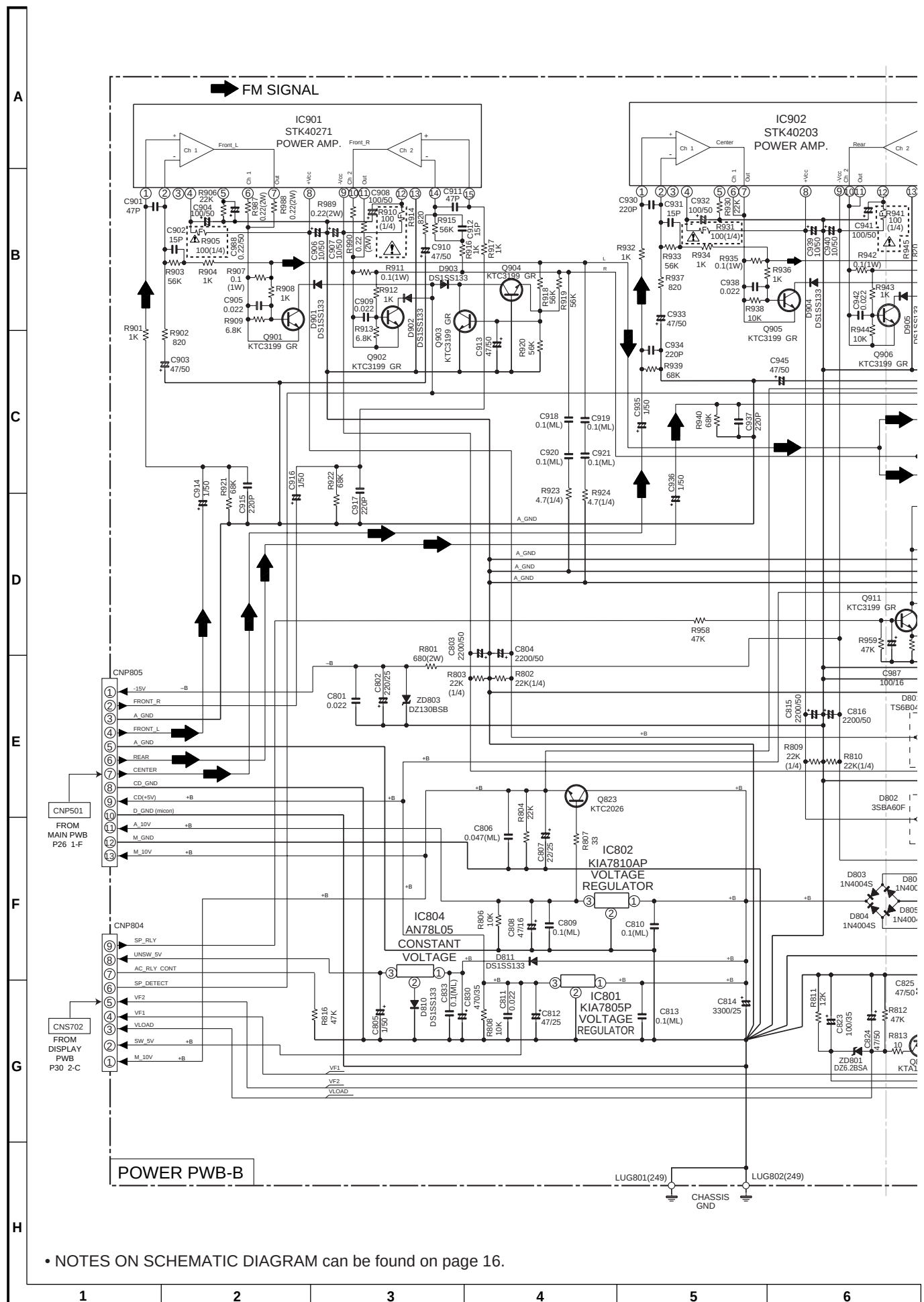


Figure 32 SCHEMATIC DIAGRAM (13/15)

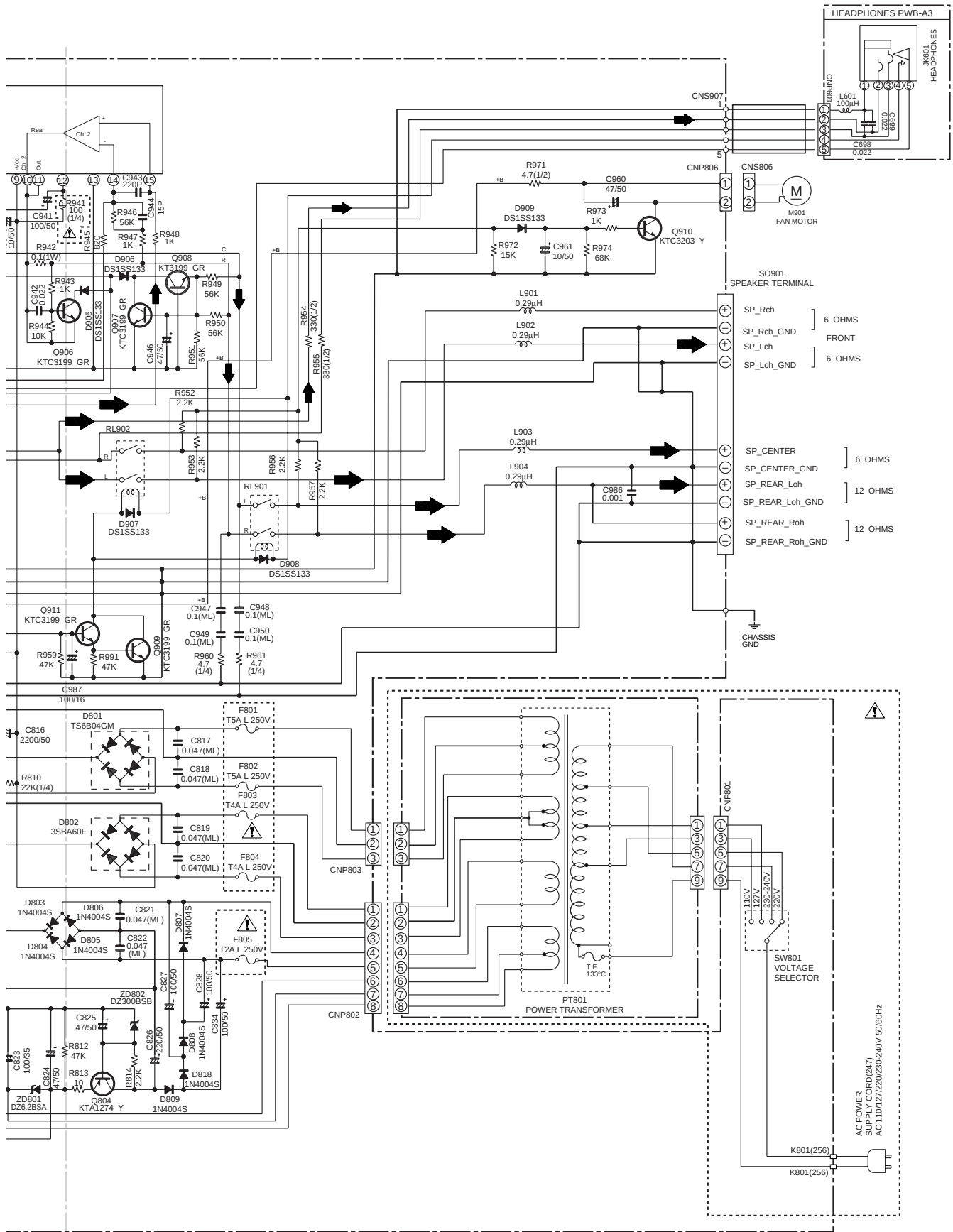


Figure 33 SCHEMATIC DIAGRAM (14/15)

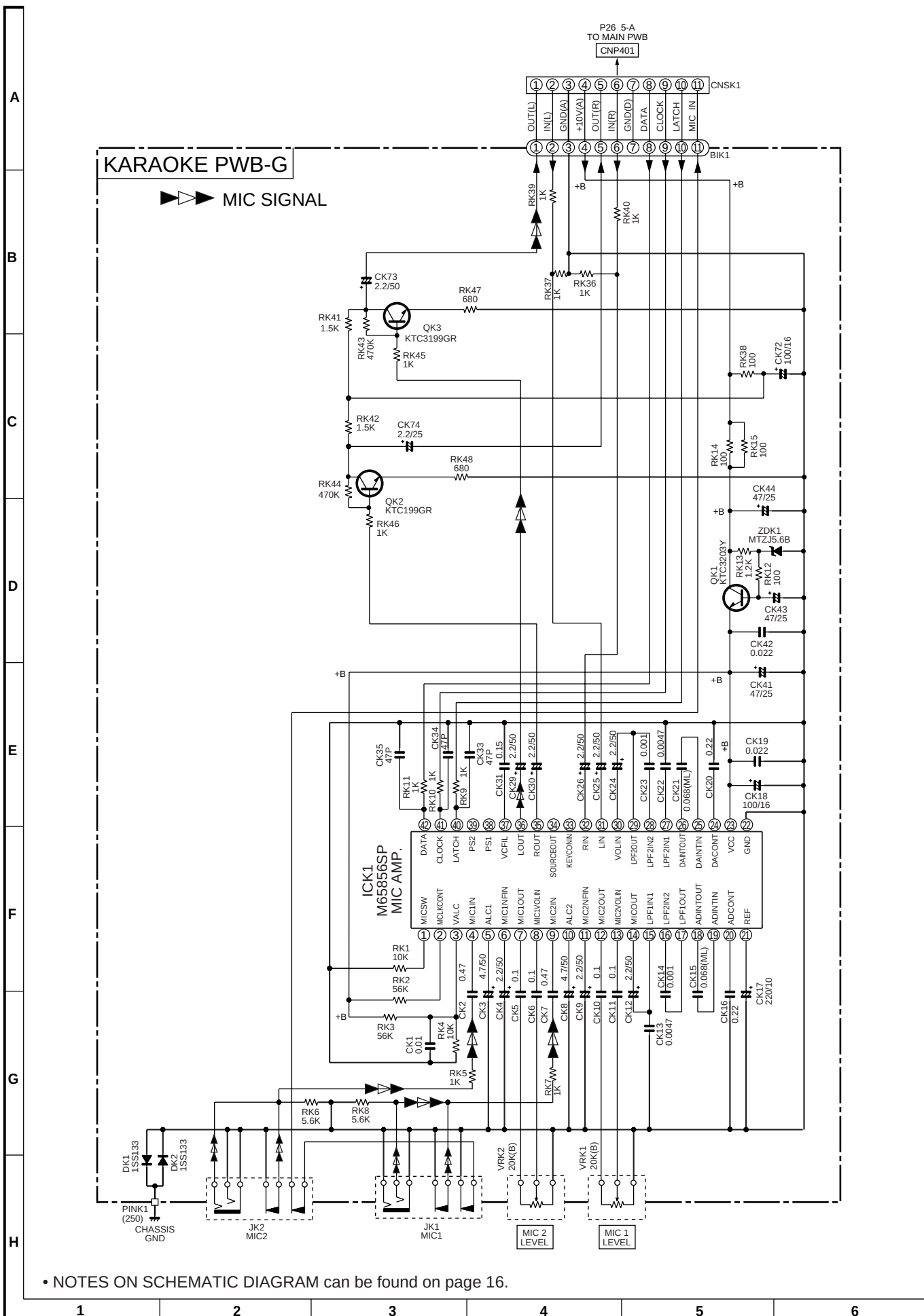


Figure 34 SCHEMATIC DIAGRAM (15/15)

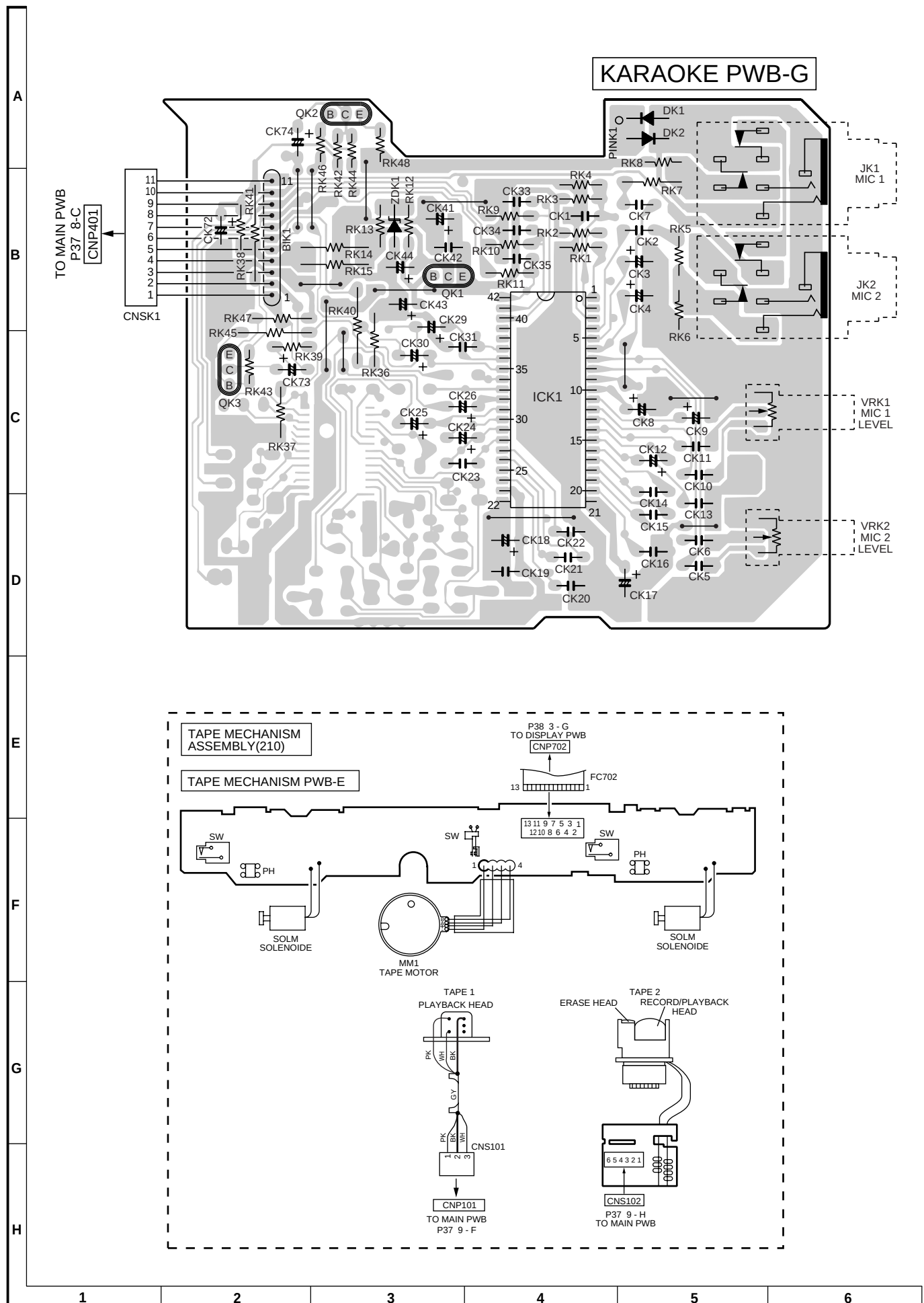


Figure 35 WIRING SIDE OF P.W.BOARD (1/9)

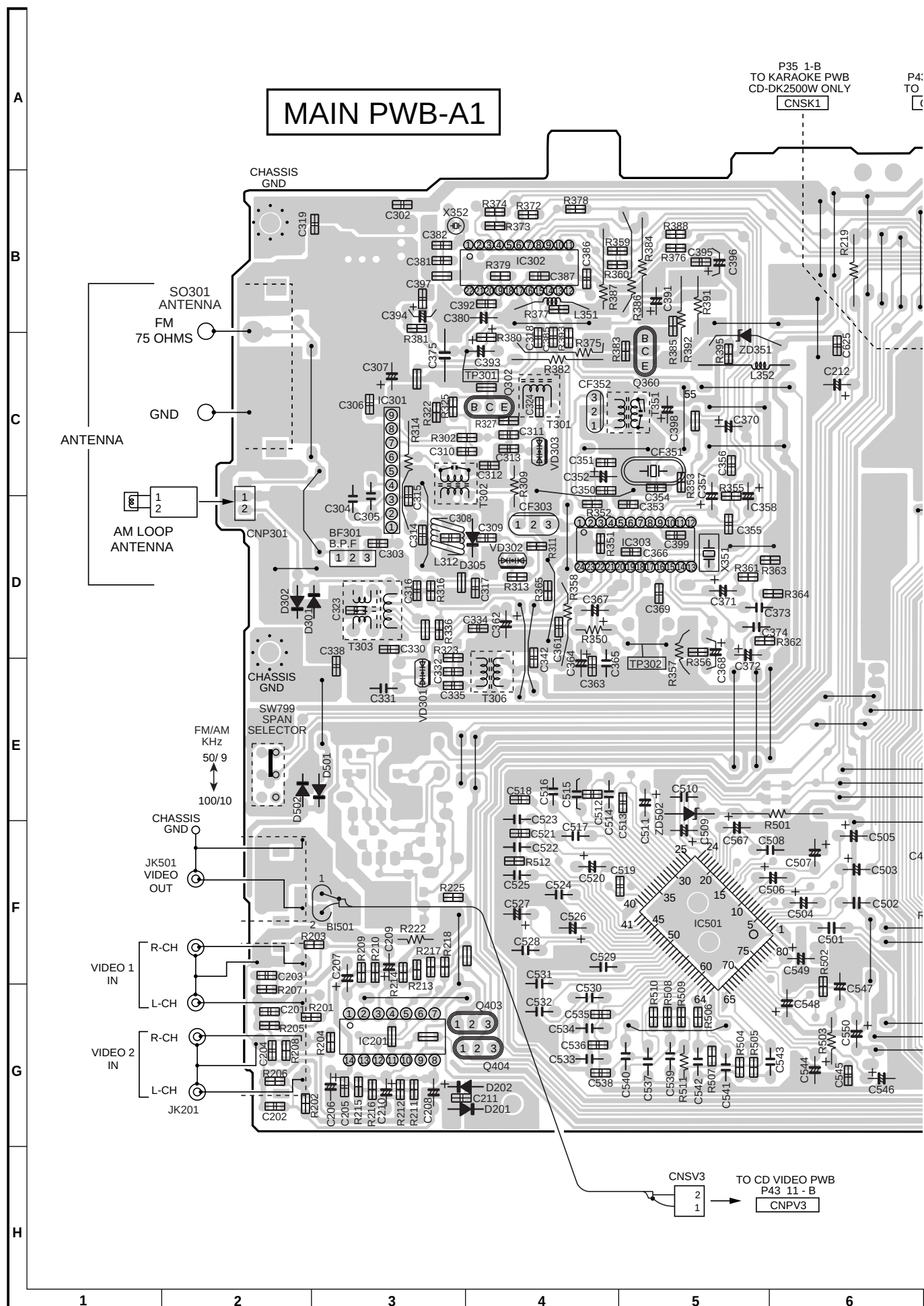
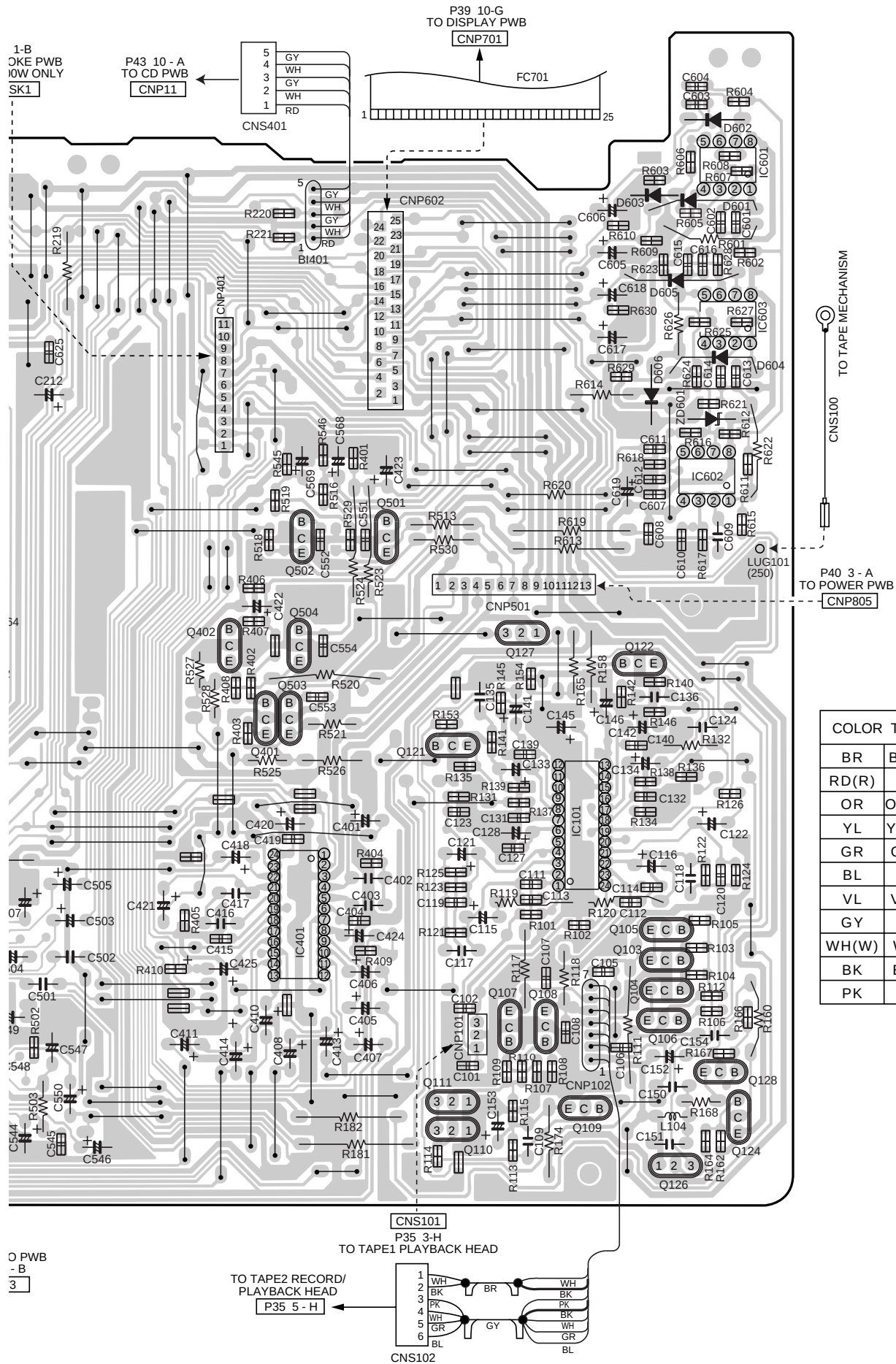
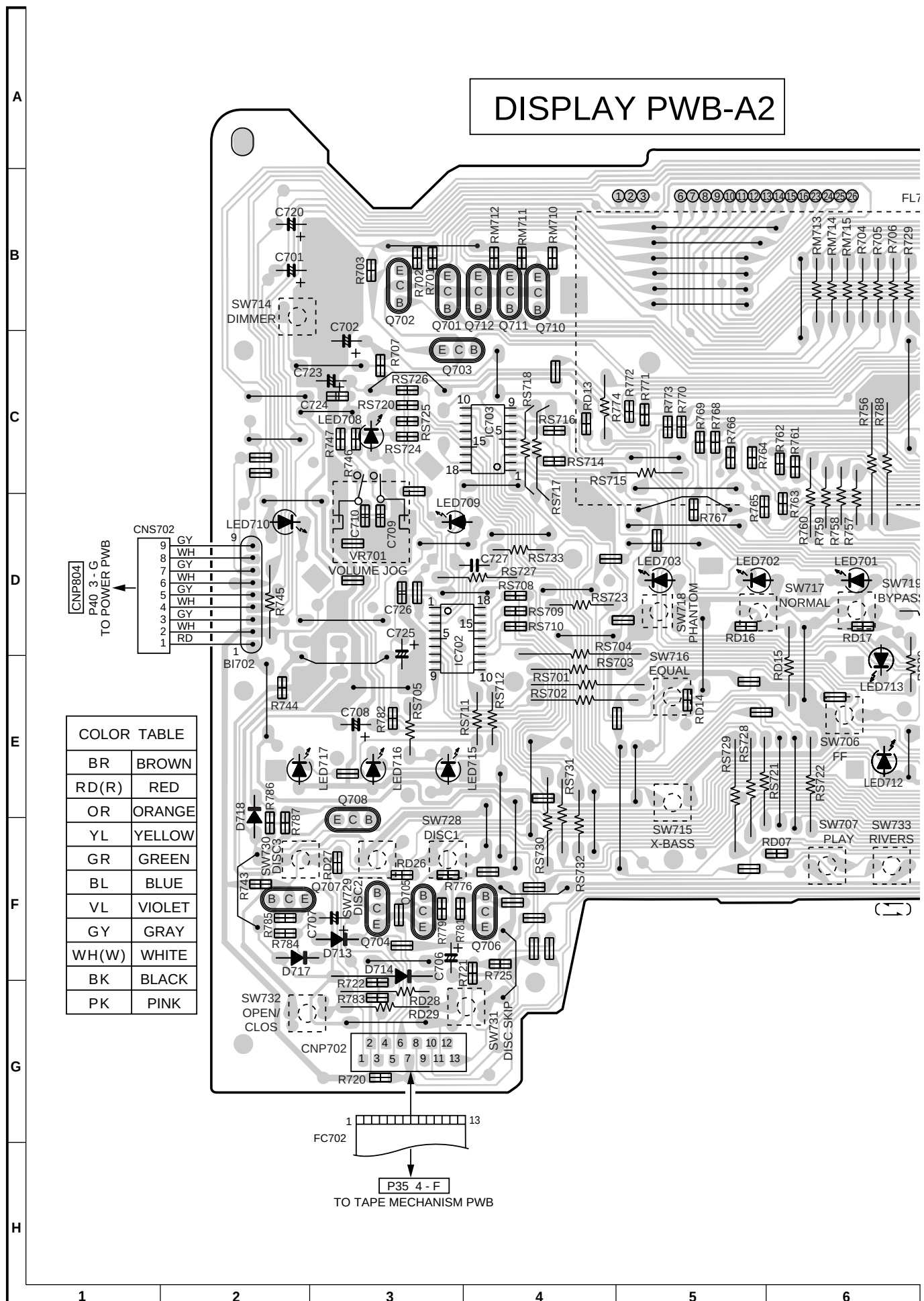


Figure 36 WIRING SIDE OF P.W.BOARD (2/9)





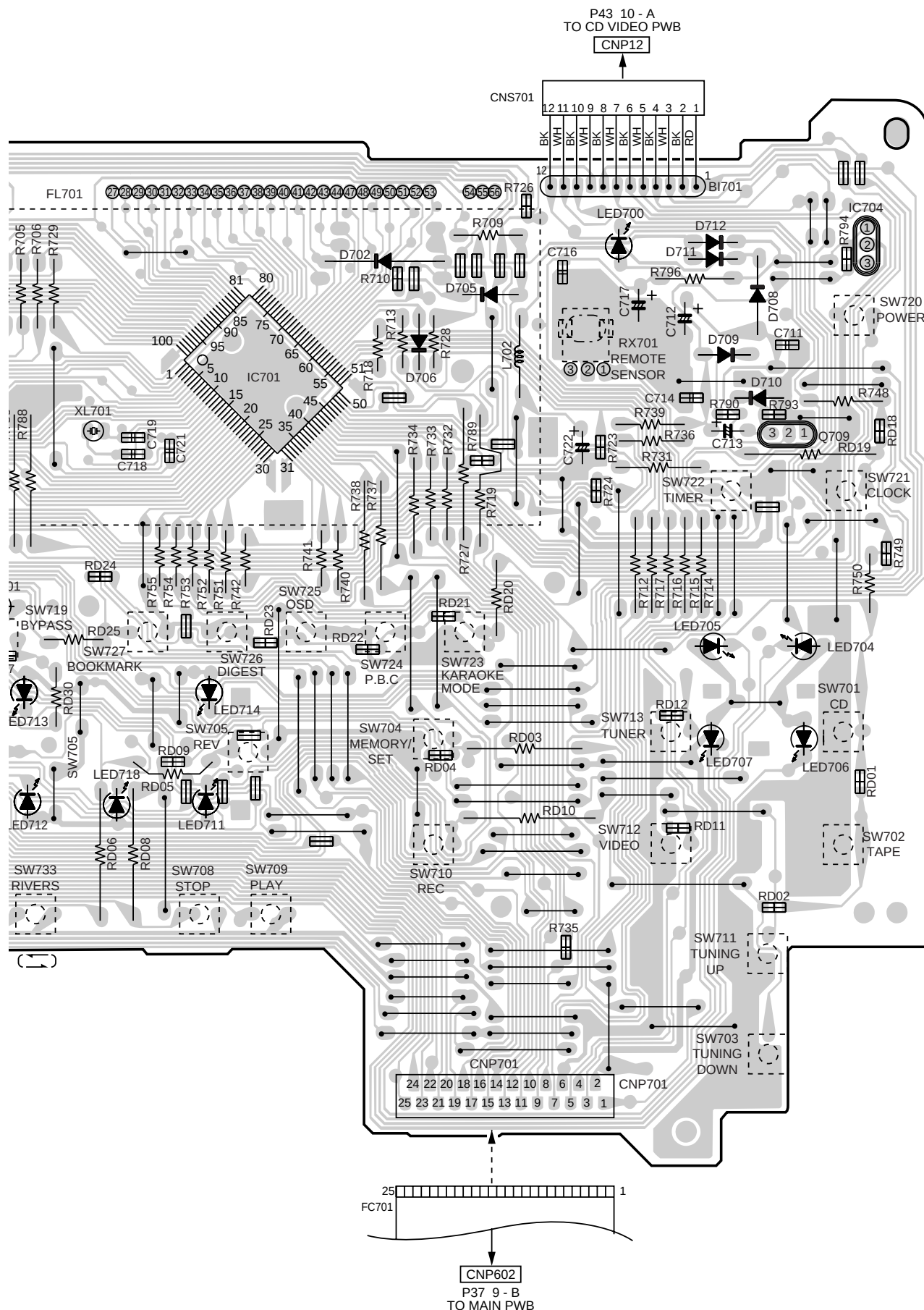


Figure 39 WIRING SIDE OF P.W.BOARD (5/9)

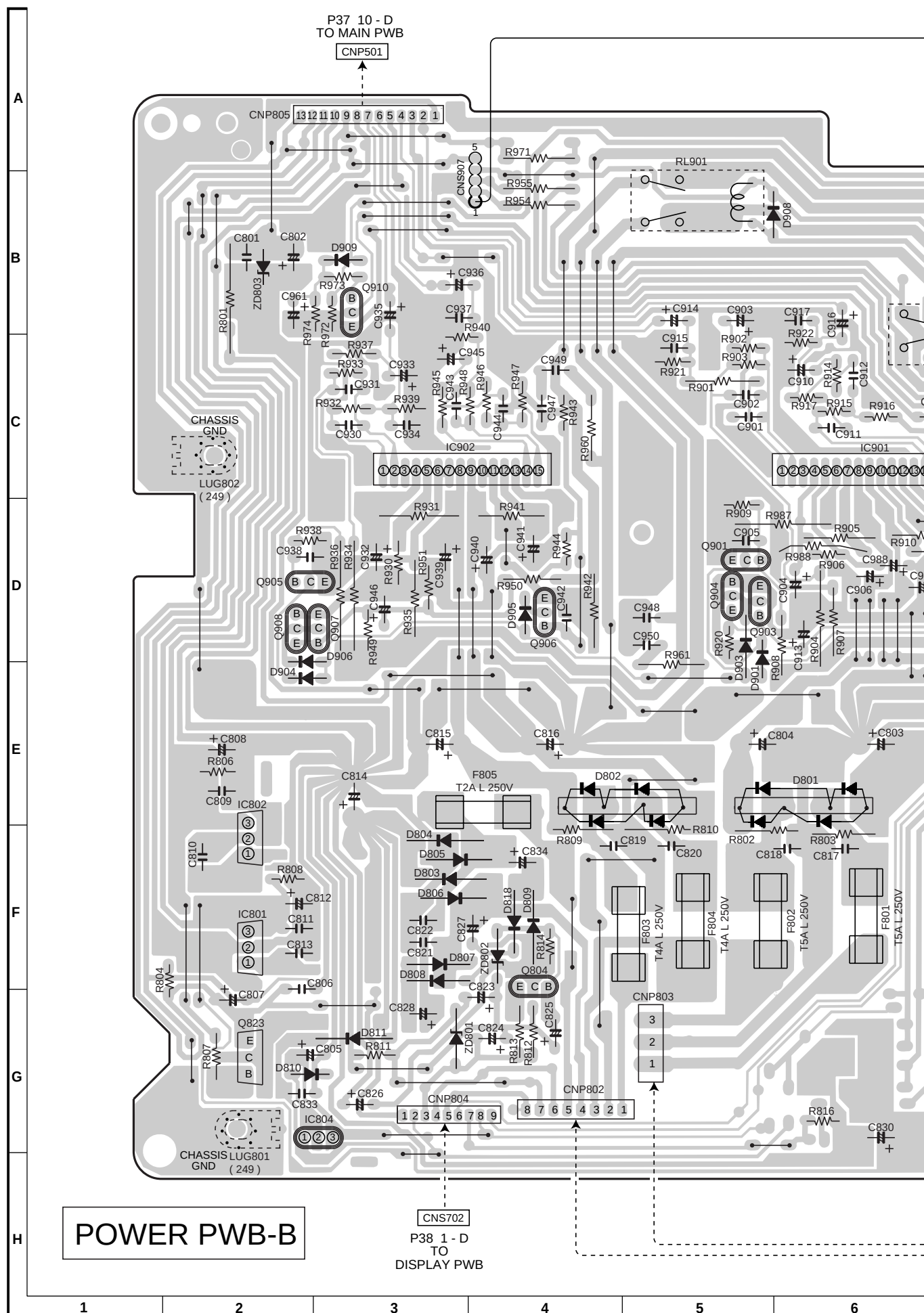


Figure 40 WIRING SIDE OF P.W.BOARD (6/9)

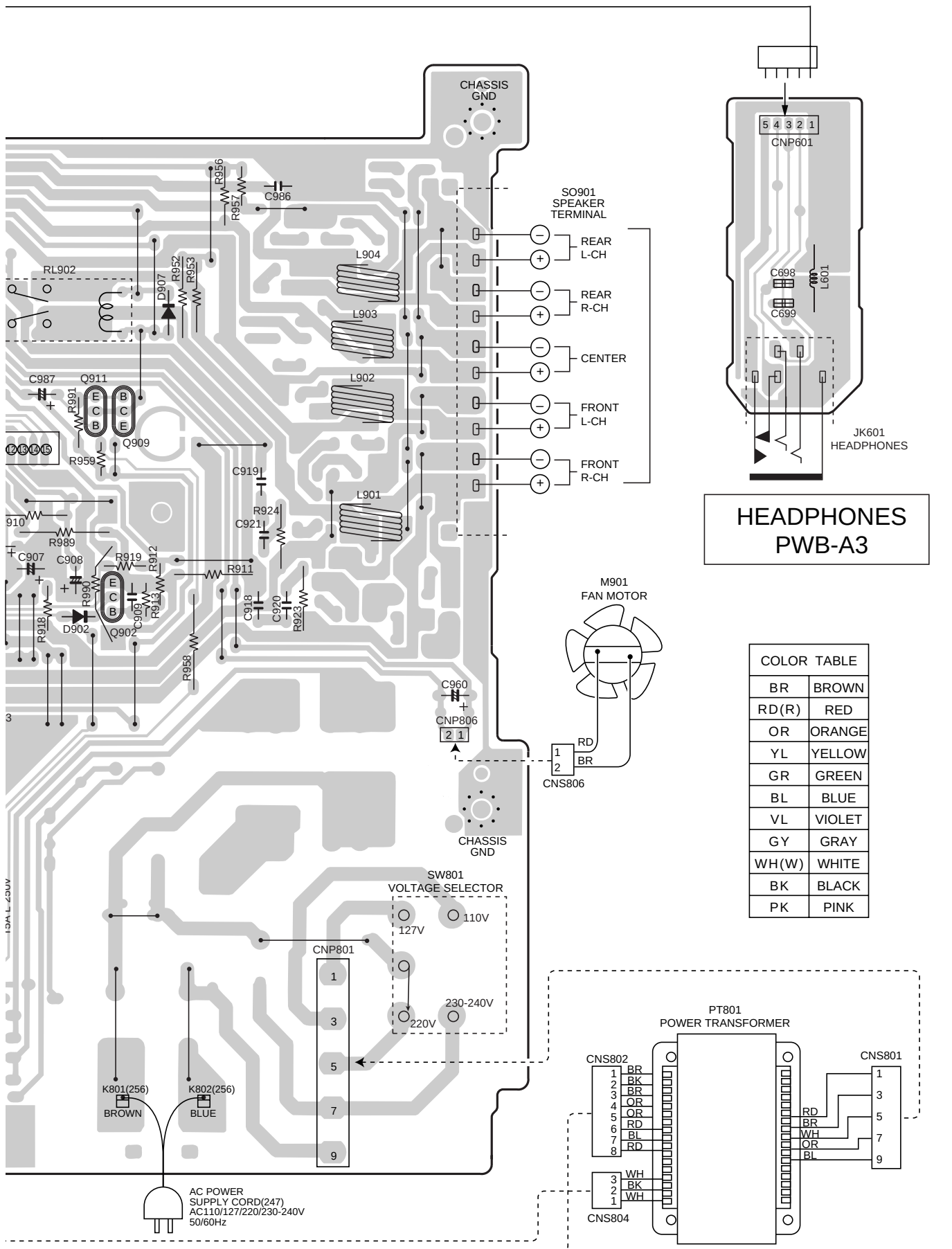
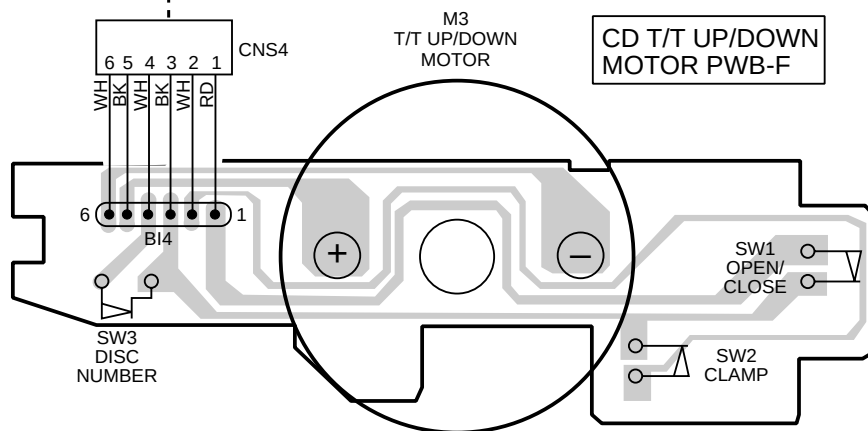


Figure 41 WIRING SIDE OF P.W.BOARD (7/9)



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

- The numbers 1 to 13 are waveform numbers shown in page 45.

Figure 42 WIRING SIDE OF P.W.BOARD (8/9)

CD VIDEO PWB-C (BOTTOM VIEW)

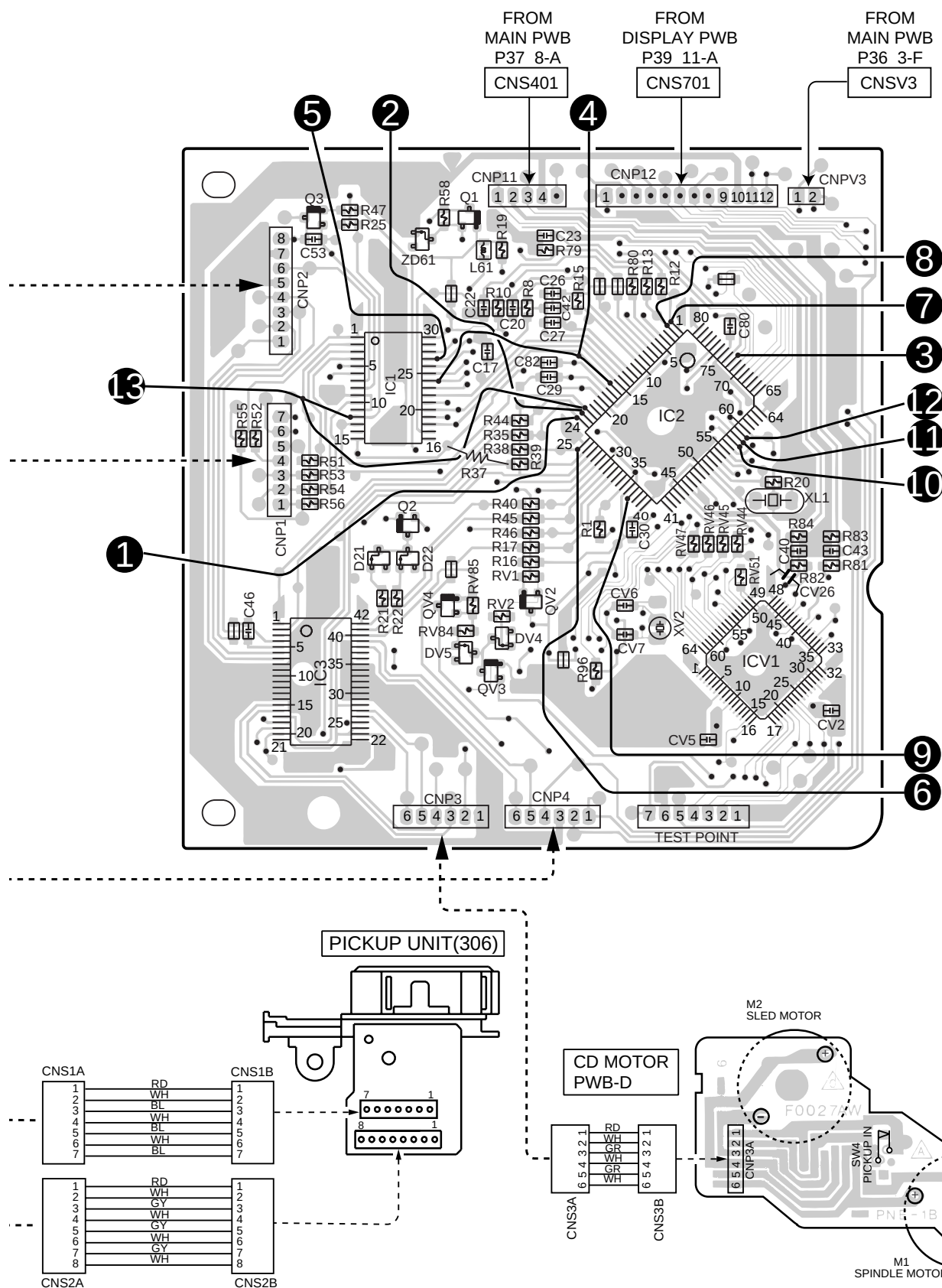


Figure 43 WIRING SIDE OF P.W.BOARD (9/9)

VOLTAGE

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

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

PIN NO.	VOLTAGE
1	13.0V
2	130V
3	12.8V
4	0V
5	12.8V
6	13.0V
7	13.0V
8	18.3V

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

PIN NO.	VOLTAGE
1	13.1V
2	13.1V
3	1.3V
4	0V
5	1.3V
6	13.2V
7	13.1V
8	18.3V

PIN NO.	VOLTAGE
1	0V (0V)
2	0V (0V)
3	0.5V (0.5V)
4	1.9V (1.9V)
5	0V (0V)
6	0V (0V)
7	0V (0V)
8	0.6V (0.6V)
9	3.3V (3.3V)
10	3.3V (3.3V)
11	0V (0V)
12	0V (0V)
13	6.7V (6.7V)
14	4.0V (4.0V)
15	0V (0V)
16	3.3V (3.3V)
17	0.6V (0.6V)
18	0V (0V)
19	0V (0V)
20	0V (0V)
21	1.9V (1.9V)
22	0.5V (0.5V)
23	0V (0V)
24	0V (0V)

PIN NO.	VOLTAGE
1	13.1V
2	13.1V
3	1.4V
4	0V
5	1.4V
6	13.1V
7	13.1V
8	18.3V

PIN NO.	VOLTAGE
1	2.1V (2.1V)
2	4.5V (4.5V)
3	2.1V (2.1V)
4	2.1V (2.1V)
5	0V (0V)
6	4.6V (4.9V)
7	4.6V (4.9V)
8	2.4V (3.2V)
9	4.5V (4.8V)
10	3.9V (0V)
11	3.3V (1.6V)
12	3.3V (1.1V)
13	3.5V (2.0V)
14	1.2V (1.2V)
15	1.2V (1.2V)
16	2.0V (2.0V)
17	2.7V (0V)
18	2.1V (0.9V)
19	0V (1.9V)
20	0.3V (0.9V)
21	2.6V (2.0V)
22	2.6V (2.0V)
23	4.5V (4.8V)
24	3.0V (3.3V)

PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	5.0V
5	5.0V
6	5.0V
7	5.0V
8	5.0V
9	5.0V
10	5.0V
11	5.0V
12	5.0V
13	5.0V
14	5.0V
15	5.0V
16	5.0V
17	5.0V
18	5.0V
19	5.0V
20	5.0V
21	5.0V
22	5.0V
23	10.0V
24	0V

PIN NO.	VOLTAGE
1	4.9V
2	4.9V
3	3.9V
4	2.7V
5	4.9V
6	4.9V
7	4.9V
8	4.9V
9	3.9V
10	2.7V
11	4.7V
12	4.8V
13	2.7V
14	3.9V
15	0V
16	0V
17	0V
18	0V
19	4.8V
20	0V
21	4.8V
22	4.6V
23	0V
24	0V
25	0V
26	4.7V
27	2.8V
28	2.6V
29	2.6V
30	2.6V
31	2.6V
32	2.6V
33	0.6V
34	0.6V
35	2.6V
36	2.6V
37	2.6V
38	2.6V
39	2.6V
40	0V
41	4.6V
42	4.6V
43	4.6V
44	4.6V
45	0V
46	4.6V
47	4.6V
48	4.6V
49	4.6V
50	4.5V
51	4.5V
52	4.2V
53	4.6V
54	4.6V
55	4.3V
56	4.3V
57	4.7V
58	4.5V
59	4.2V
60	4.4V
61	4.6V
62	4.4V
63	4.4V
64	4.4V
65	4.4V
66	4.4V
67	4.4V
68	2.8V
69	9.9V
70	4.3V
71	1.3V
72	0V
73	0V
74	4.3V
75	4.4V
76	0V
77	0V
78	0V
79	0V
80	0V

PIN NO.	VOLTAGE
1	5.0V
2	0V
3	5.0V

PIN NO.	VOLTAGE
1	4.6V
2	4.6V
3	4.6V
4	0V
5	0V
6	0V
7	4.8V
8	0V
9	4.8V
10	4.7V
11	4.9V
12	2.6V
13	0V
14	0V
15	4.8V
16	4.6V
17	4.6V
18	0V
19	4.9V
20	0V
21	0V
22	0V
23	0V
24	4.8V
25	0V
26	0V
27	0V
28	0V
29	0V
30	0V
31	4.9V
32	5.0V
33	4.9V
34	4.6V
35	6.0V
36	4.9V
37	4.9V
38	0V
39	4.8V
40	0V
41	1.9V
42	9.1V
43	9.1V
44	0V
45	3.6V
46	4.6V
47	4.5V
48	4.5V
49	4.9V
50	3.0V

PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	0V
5	7.8V
6	7.8V
7	7.8V
8	7.8V
9	12.3V
10	0V
11	0V
12	0V
13	1.0V
14	1.9V
15	1.6V
16	1.6V
17	0V
18	0.5V

PIN NO.	VOLTAGE
1	5.0V
2	0V
3	5.0V

PIN NO.	VOLTAGE
1	18.2V
2	0V
3	5.0V

PIN NO.	VOLTAGE
51	4.9V
52	0V
53	0V
54	4.9V
55	4.9V
56	4.9V
57	4.9V
58	0V
59	-34.3V
60	-20.1V
61	-16.4V
62	-12.2V
63	-16.5V
64	-14.2V
65	-31.9V
66	-29.7V
67	-31.9V
68	-29.7V
69	-18.5V
70	-29.7V
71	-27.5V
72	-29.8V
73	-18.8V
74	-18.8V
75	-27.7V
76	-23.4V
77	23.1V
78	20.9V
79	-34.1V
80	-18.9V
81	-28.7V
82	-26.0V
83	-29.8V
84	-27.5V
85	-29.7V
86	-20.6V
87	-20.5V
88	-31.9V
89	-31.8V
90	-31.8V
91	-32.0V
92	-31.9V
93	-31.9V
94	-31.9V
95	-31.9V
96	-31.9V
97	-31.9V
98	-31.9V
99	-31.9V
100	-31.9V

PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	0V
5	7.8V
6	7.8V
7	7.8V
8	7.8V
9	12.3V
10	0V
11	0V
12	0V
13	1.0V
14	1.9V
15	1.6V
16	1.6V
17	0V
18	0.5V

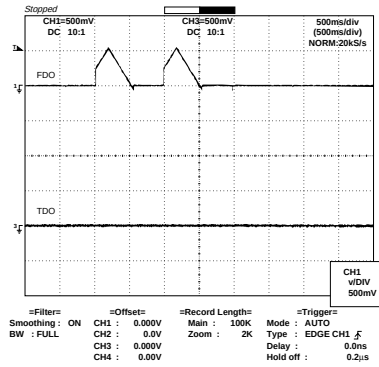
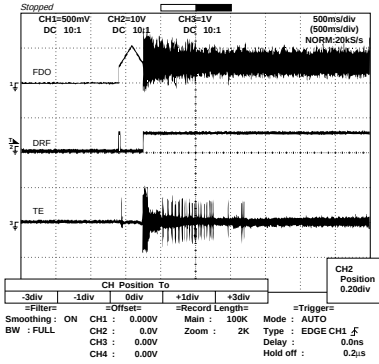
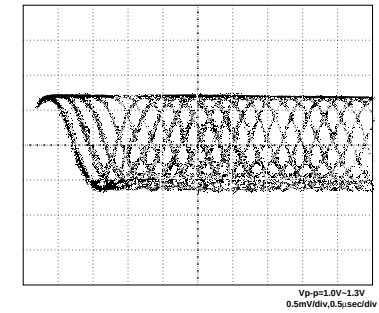
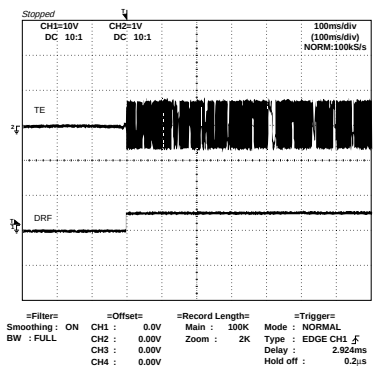
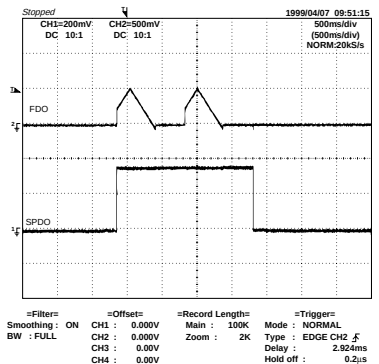
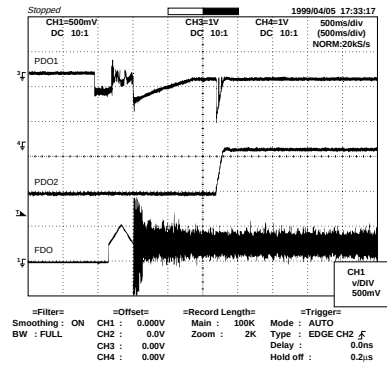
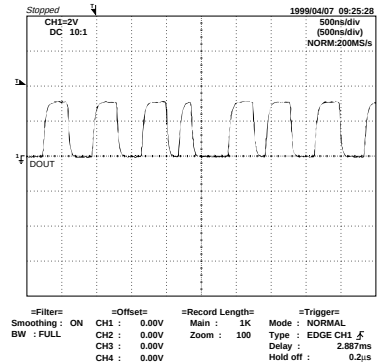
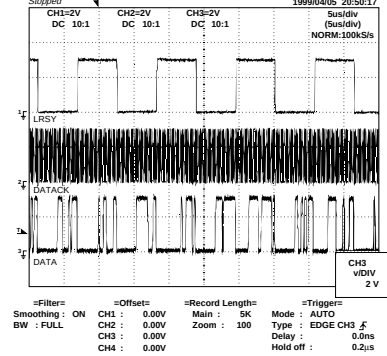
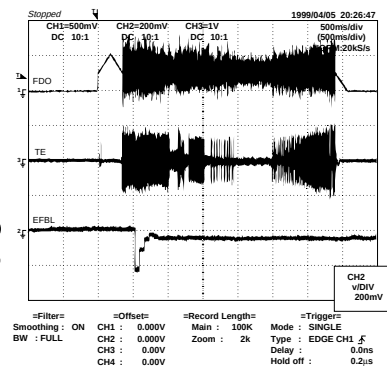
PIN NO.	VOLTAGE
1	17.3V
2	0V
3	5V

PIN NO.	VOLTAGE
1	18.2V
2	0V
3	5.0V

PIN NO.	VOLTAGE
1	0V
2	0V
3	5.0V
4	0V
5	3.0V
6	1.5V
7	0V
8	0V
9	0V
10	5.0V
11	0.1V
12	0V
13	0.1V
14	0V
15	5.0V
16	0V
17	0V
18	0V
19	0V
20	0.5V
21	0V
22	0V
23	0V
24	5.0V
25	0V
26	0V
27	0V
28	0V
29	0V
30	0V
31	0V
32	0V

PIN NO.	VOLTAGE
1	3.3V
2	3.3V
3	3.3V
4	3.3V
5	3.3V
6	0V
7	3.3V
8	3.3V
9	3.3V
10	3.3V
11	0V
12	0V
13	1.3V
14	1.5V
15	3.3V
16	3.3V
17	3.3V
18	0V
19	0.5V
20	5.0V
21	5.0V
22	1.3V
23	3.3V
24	2.2V
25	3.5V
26	0V
27	5.0V
28	1.0V
29	

WAVEFORMS OF CD CIRCUIT

① IC2 (24)
FDO② IC2 (23)
TDO③ IC2 (72)
DEF④ IC1 (18)
TE
IC2 (16)
TE⑤ IC1 (27)
RF④ IC1 (18)
TE
IC2 (16)
TE③ IC2 (72)
DEF① IC2 (24)
FDO⑥ IC2 (25)
SPDO⑦ IC2 (1)
PDO1⑧ IC2 (2)
OD02① IC2 (24)
FDO⑨ IC2 (37)
DOUT⑩ IC2 (57)
DATAK⑪ IC2 (58)
DATA⑫ IC2 (59)
16M① IC2 (24)
FDO④ IC1 (18)
TE
IC2 (16)
TE⑬ IC1 (13)
EFBL
IC2 (22)
TBLO

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.

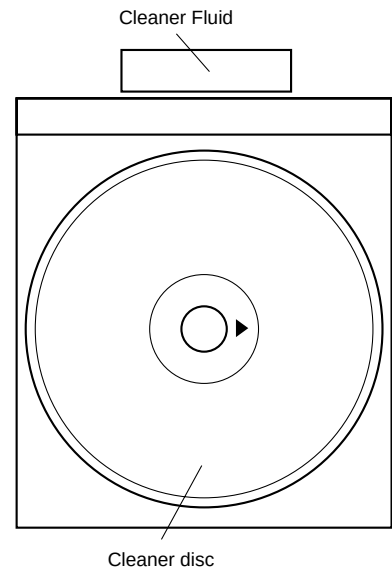
	Parts code
1. CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

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 tum, 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 rines 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



When a CD cannot be played

1. "E-CD01" is displayed.

- (1) Check the power to IC2 (LC78636E), the presence of the clock signal (16.93 MHz) and the status of the RESET terminal (pin 71 on IC2).
- (2) Did 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.

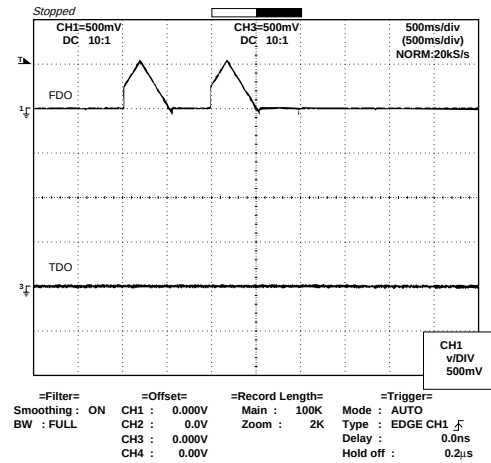


Figure 47-1

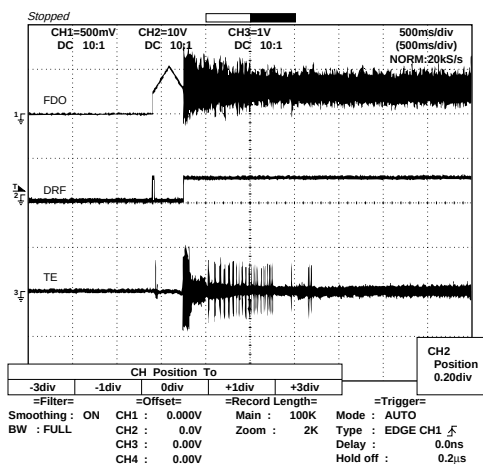
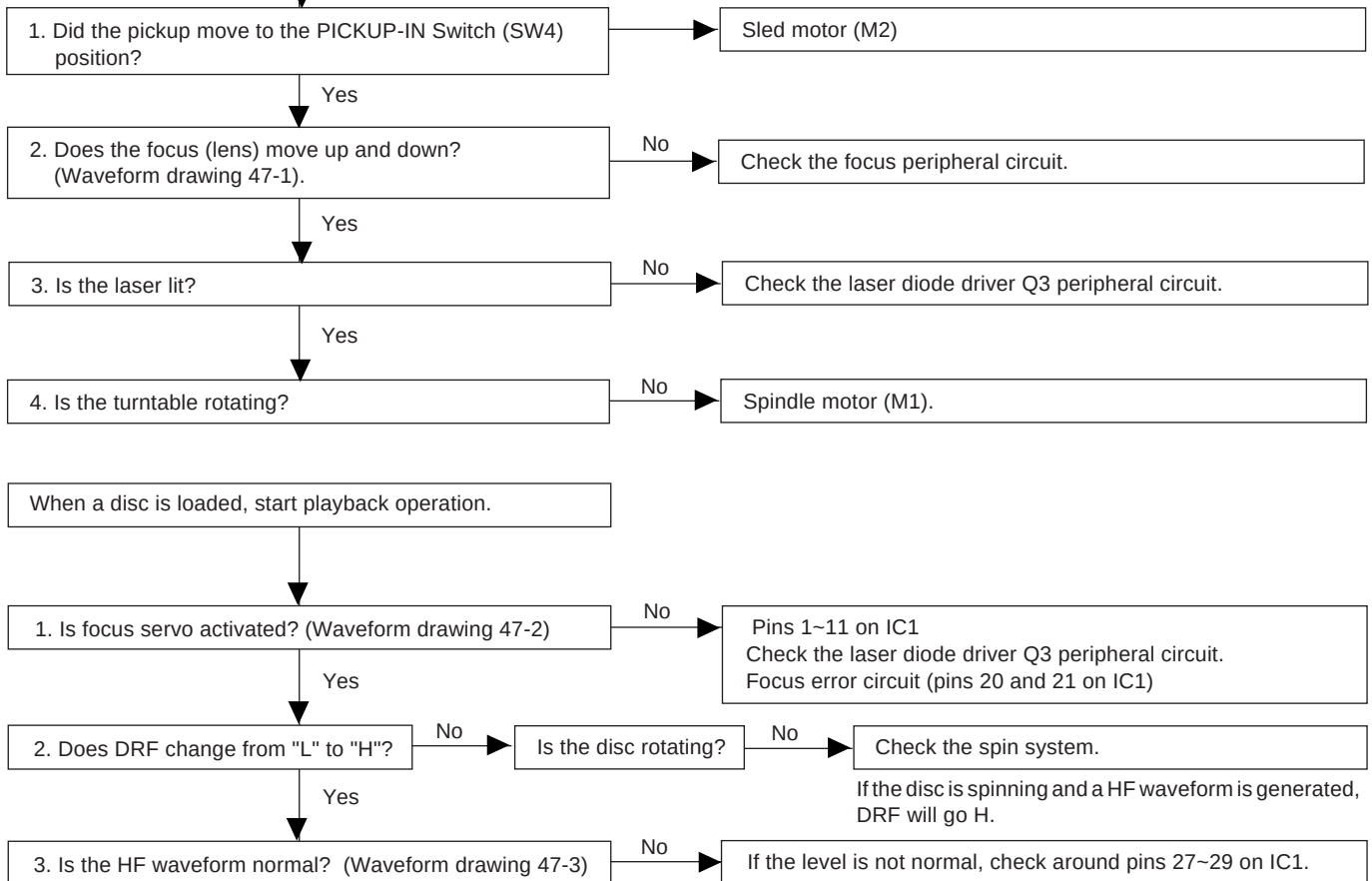


Figure 47-2

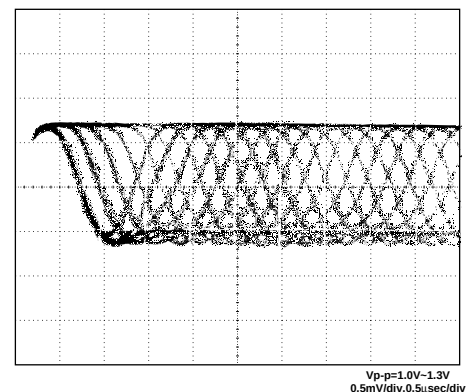


Figure 47-3

(2) Tracking system check

Check the TE waveform at pin 18 on IC1.

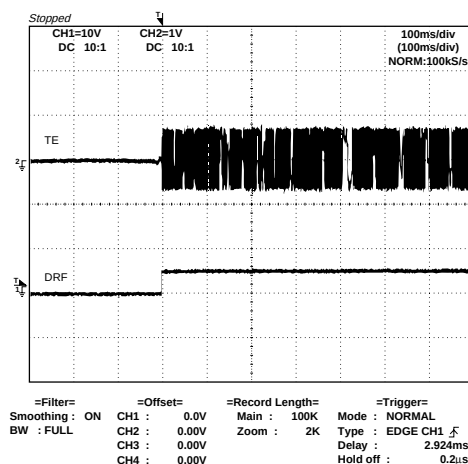
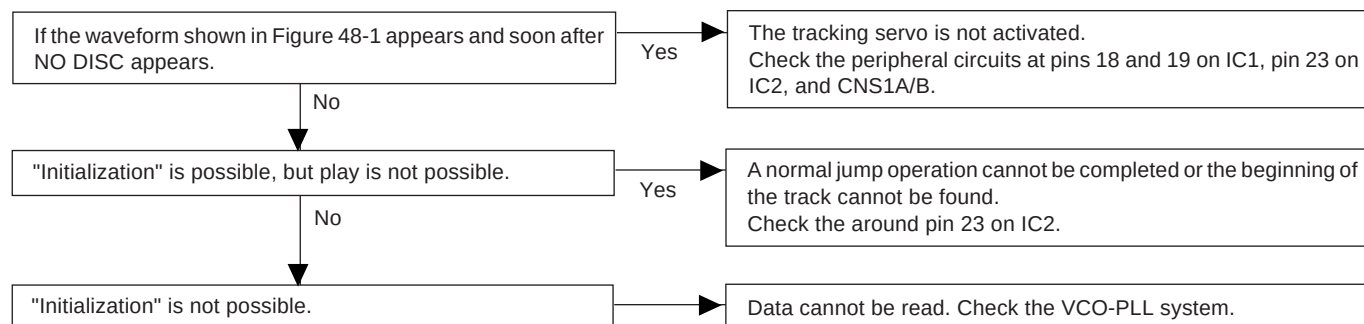


Figure 48-1

(3) Spin system check

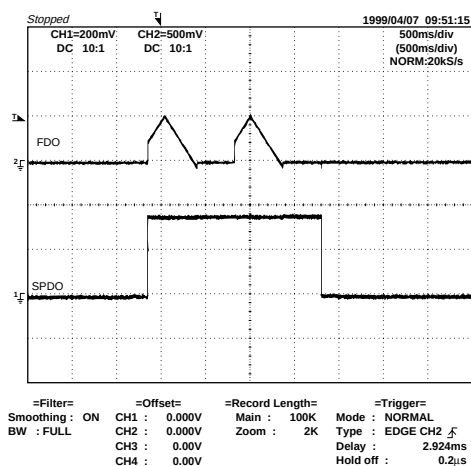
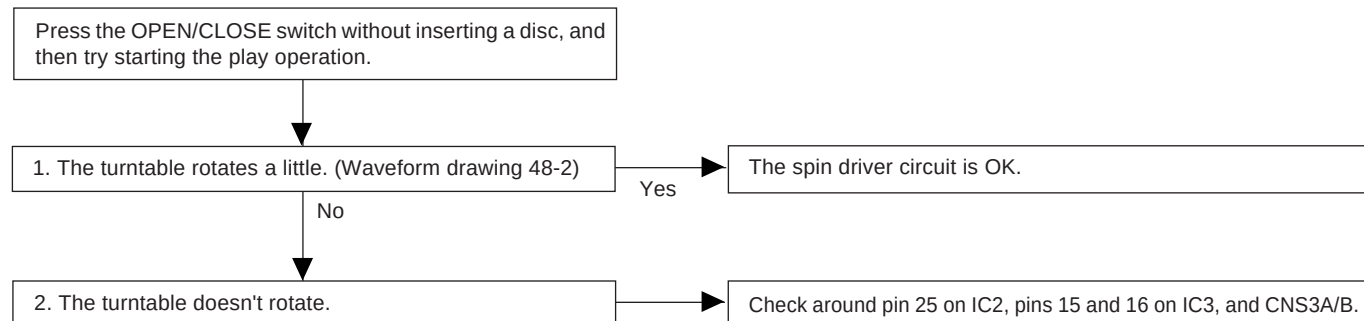


Figure 48-2

(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 49-1)

Check around pins 1~6 on IC2.

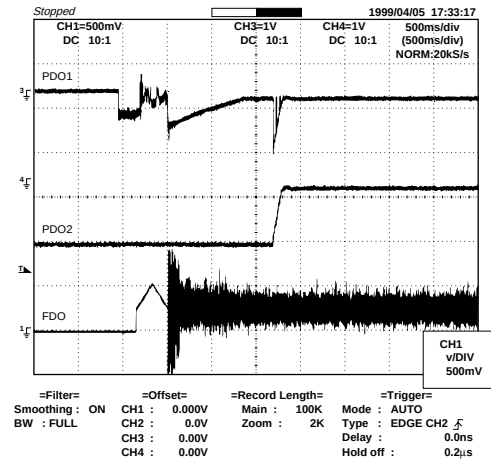


Figure 49-1

(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 49-2).

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.

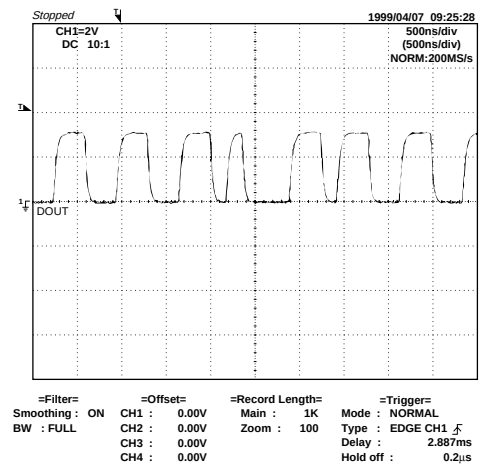
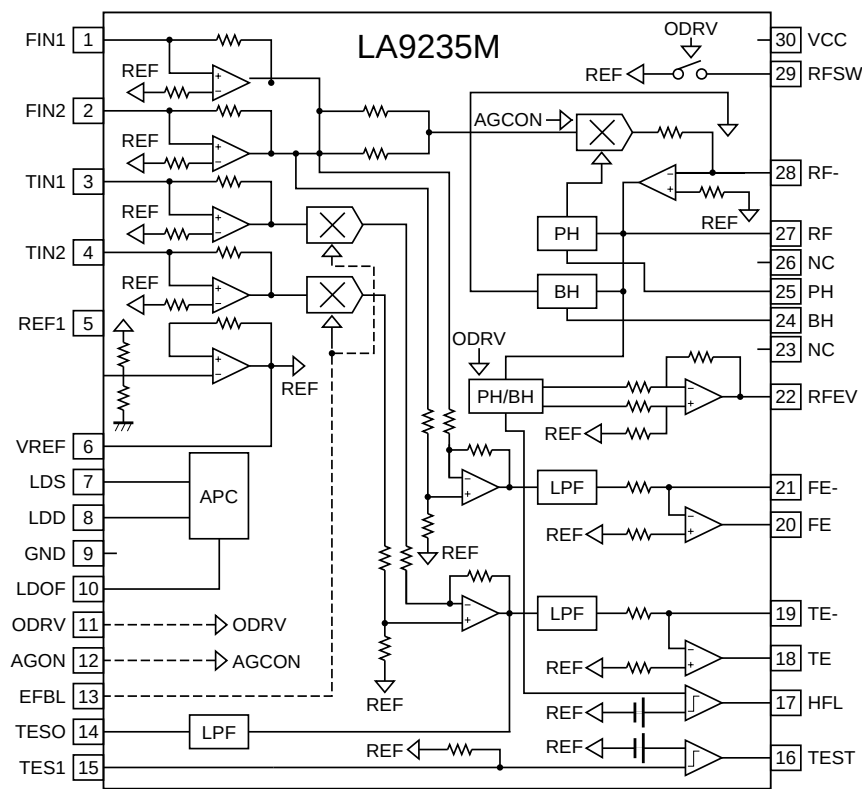


Figure 49-2

FUNCTION TABLE OF IC

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



IC2 VHiLC78636E-1: Servo/Signal Control (LC78636E)

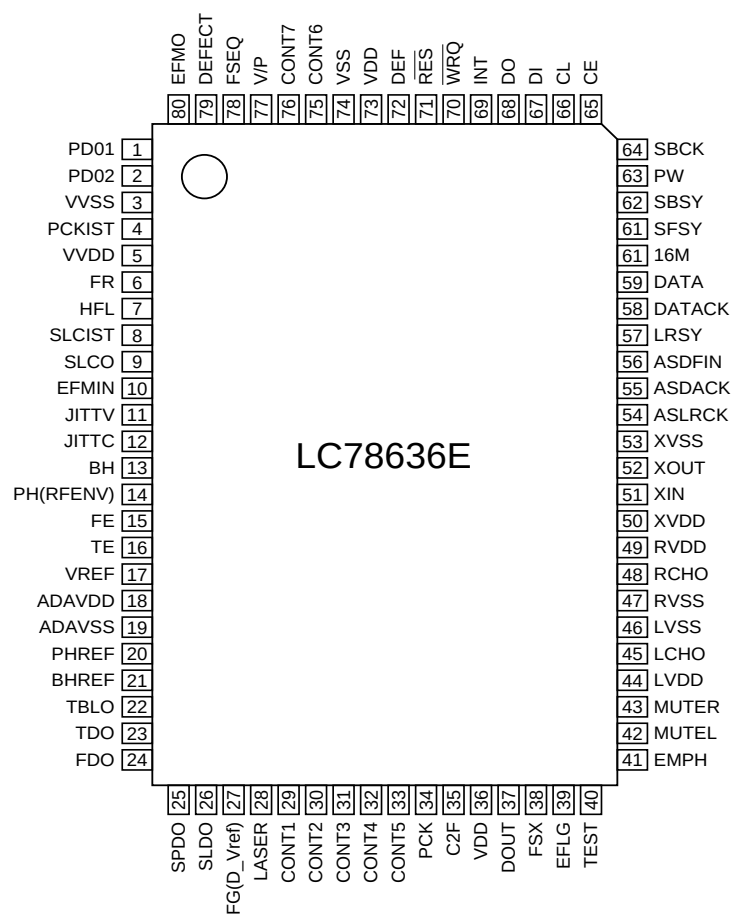


Figure 50 BLOCK DIAGRAM OF IC

IC2 VHiLC78636E-1: Servo/Signal Control (LC78636E) (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. 4.3218MHz 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 7.35kHz 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 VHiLC78636E-1: Servo/Signal Control (LC78636E) (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 16.9344MHz quartz oscillation.
52	XOUT	Output	Oscillation		
53	XVSS	–	–		Ground terminal for quartz oscillation. Surely connected to 0V.
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 subcodes P,A,R,S,T,U and W.
64	SBCK	Input	–		Clock input terminal to read subcode. (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	DRF	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 witch 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), DRF (72pin), CONT6 (75pin), CONT7 (76pin)

IC701 RH-iX0360AWZZ: System Microcomputer (IX0360AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VDD	VDD	—	(+) POWER SUPPLY
2	P37	-20dBATT	Output	-20dB ATTENUATOR
3	P36	S-BUSY	Output	Not used
4	P35	LCK1	Output	LED DRIVER LCK (BU2092-2)
5	P34	LCK0	Output	LED DRIVER LCK (BU2092-1)
6	P33	DP REQ	Output	DOLBY PROLOGIC REQ TERMINAL
7	P32	RES OUT	Output	CD DSP RESET&MPEG μ COM RESET
8	P31	DRF	Input	CD RF LEVEL DETECTION
9	P30	WRQ	Input	CD DSP WRITE REQUEST
10	RESET	RESET	Input	μ COM 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/MCLK	Output	CD DSP CLOCK/MPEG μ COM CLOCK
18	P26	CD DI/MDI	Output	CD DSP COMMAND/MPEG μ COM COMMAND
19	P25	CD DO/MDO	Input	CD DSP CODE Q OUT/MPEG μ COM 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	Input	DATA INPUT
25	AVss	AVSS	—	ANALOG GROUND
26	ANI7	TUN SMIM-BUSY	Input	TUNER SIGNAL METER INPUT
27	ANI6	SPEANA3	Input	SPEANA DATA INPUT L, R 16 KHz
28	ANI5	SPEANA2	Input	SPEANA DATA INPUT L, R 63Hz
29	ANI4	SPEANA1	Input	SPEANA DATA INPUT R-CH 1KHz
30	ANI3	SPEANA0	Input	SPEANA DATA INPUT L-CH 1KHz
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	INTP2	JOG1	Input	KEY JOG INPUT 1
38	INTP1	JOG0	Input	KEY JOG INPUT 2
39	INTP0	REMOCON	Input	REMOCON INPUT
40	Vss	Vss	—	GROUND VOLTAGE
41	P74	SMUTE	Output	SYSTEM MUTE CONTROL
42	P73	T_SOL B	Output	TAPE2 SOLENOID CONTROL
43	P72	T_SOL A	Output	TAPE1 SOLENOID CONTROL
44	P71	T_MOTOR	Output	TAPE MOTOR CONTROL
45	P70	TIMER LED	Output	TIMER OED CONTROL
46	VDD	VDD	—	(+) POWER SUPPLY
47	P127	AC PLY_CONT	Output	AC RELAY CONTROL
48	P126	SPRLY	Output	SPEAKER OUTPUT RELAY CONTROL
49	P125	SP DET	Input	SPEAKER OUTPUT DETECTION
50	P124	T1 RUN	Input	TAPE1 RUN PULSE TNPOT
51	P123	T2 RUN	Input	TAPE2 RUN PULSE TNPOT
52	P122	CD CLAMP SW	Input	CD CHANGER CLAMP SWITCH
53	P121	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-iX0360AWZZ: System Microcomputer (IX0360AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
54	P120	PLAY SW_B	Input	PLAY SWITCH FOR T2
55	P119	FPA	Input	TAPE2 A-SIDE FULL PROOF
56	P118	FPB	Input	TAPE2 B-SIDE FULL PROOF
57	P117	MIC SW	Input	MIC SWITCH
58	P116	KARAOKE LATCH	Output	KARAOKE LATCH
59	P115	DIST_OUT/SW OUT	Output	DISTINATION OUTPUT/SWITCH OUTPUT
60	P112	SPN	Input	TUNER SPAN CHANGE
	FIP39	P25	Output	FL DISPLAY SEGMENT DRIVER
61	P111	MOV VOL COM OPN SW	Input	MOVING VOLUME CONTROL OPEN SWITCH
	FIP38	P24	Output	FL DISPLAY SEGMENT DRIVER
62	P110	MOV VOL COM CLS SW	Input	MOVING VOLUME CONTROL CLOSE SWITCH
	FIP37	P23	Output	FL DISPLAY SEGMENT DRIVER
63-66	FIP36-FIP33	P22-P19	Output	FL DISPLAY SEGMENT DRIVER
67	P103	DIST3	Input	DISTINATION INPUT
	FIP32	P18	Output	FL DISPLAY SEGMENT DRIVER
68	P102	DIST2	Input	DISTINATION INPUT
	FIP31	P17	Output	FL DISPLAY SEGMENT DRIVER
69	P101	DIST1	Input	DISTINATION INPUT
	FIP30	P16	Output	FL DISPLAY SEGMENT DRIVER
70	P100	DIST0	Input	DISTINATION INPUT
	FIP29	P15	Output	FL DISPLAY SEGMENT DRIVER
71-78	FIP28-FIP21	P14-P7	Output	FL DISPLAY SEGMENT DRIVER
79	VLOAD	VLOAD	—	FL DRIVER (-) POWER SUPP. -30V
80-85	FIP20-FIP15	P9-P1	Output	FL DISPLAY SEGMENT DRIVER
86-100	FIP14-FIP0	G15-G1	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	IN2-	CH2 inverted input.
2	IN1A-	CH1 inverted input.
3	IN1B-	CH1 output offset control.
4	OUT1-	CH1 inverted output.
5	OUT1+	CH1 non-inverted output.
6	OUT2-	CH2 inverted output.
7	OUT2+	CH2 non-inverted output.
8-14	GND	GND
15	OUT3+	CH3 non-inverted output.
16	OUT3-	CH3 inverted output.
17	IN3-	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	IN4-	CH4 inverted input.
26	OUT4-	CH4 inverted output.
27	OUT4+	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	OUT6+	CH6 non-inverted output.
39	OUT6-	CH6 inverted output.
40	VCC4	Power supply 4 (CH6).
41	IN6-	CH6 inverted input.
42	IN6+	CH6 non-inverted input.

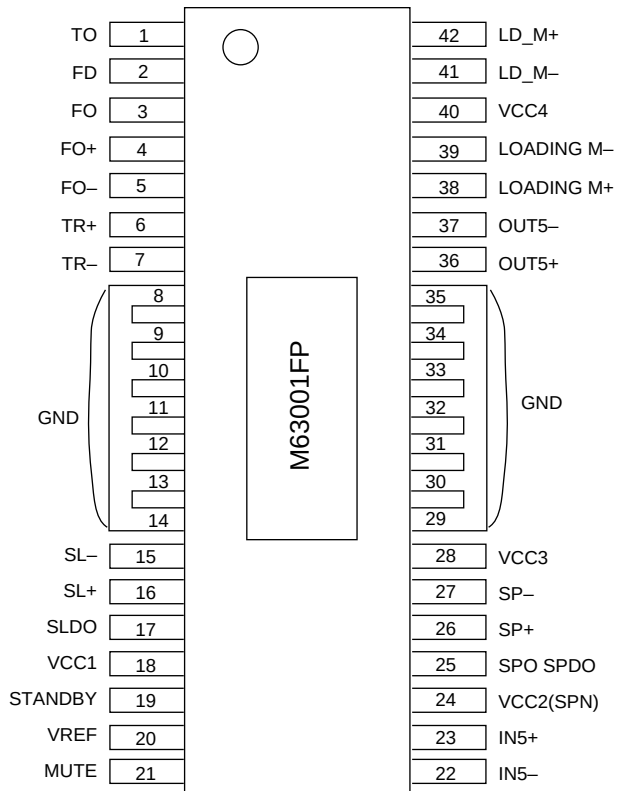


Figure 54 BLOCK DIAGRAM OF IC

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

IC401 VHiLC75341/-1: Audio Processor (LC75341)

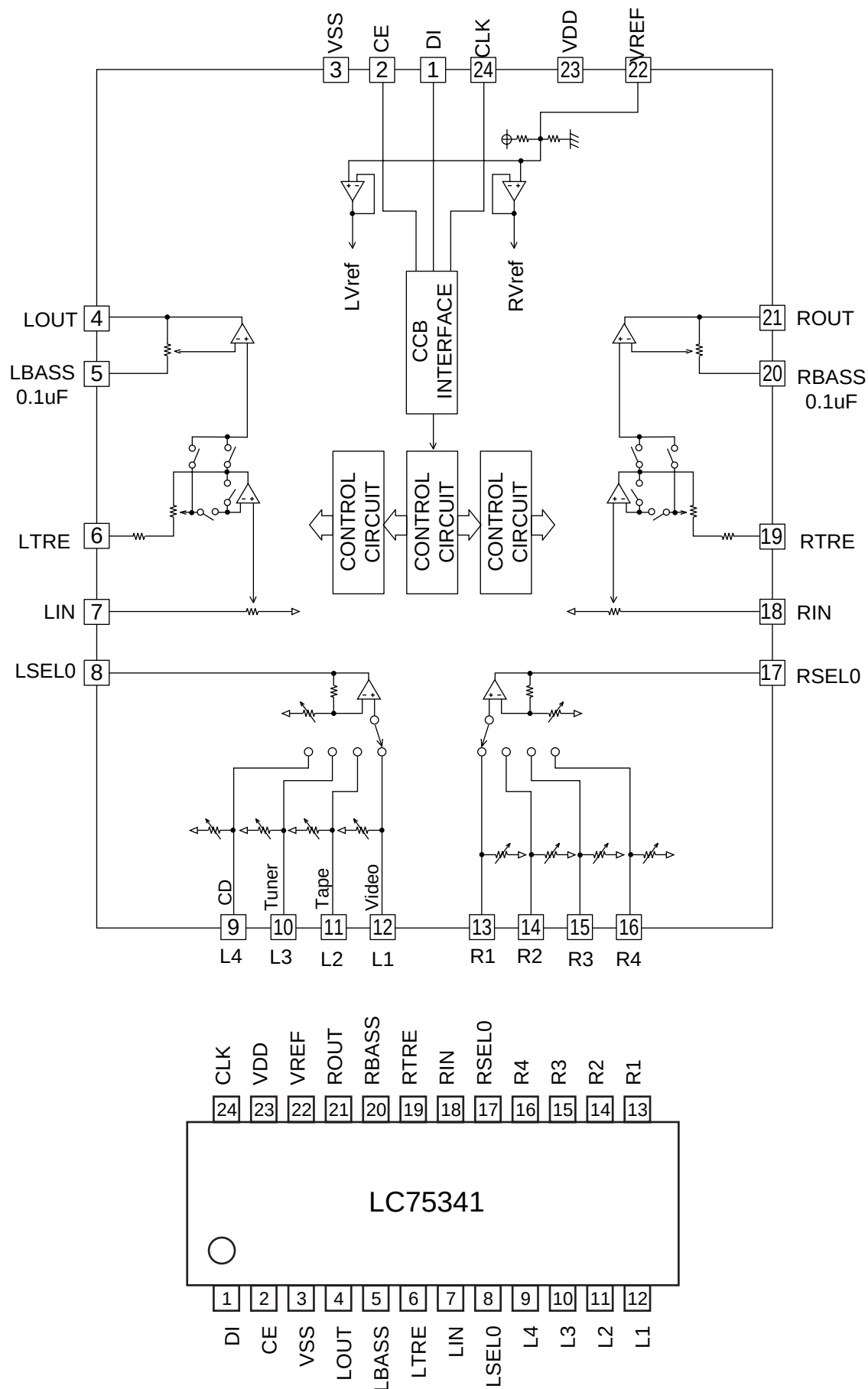


Figure 55 BLOCK DIAGRAM OF IC

ICV1 RH-iX0352AWZZ: MPEG Controller (IX0352AW)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1*	P50	VOCAL CANCEL	Output	Vocal cancel
2*	P51	K_C_DATA	Output	Key control IC data
3*	P52	K_C_CLOCK	Output	Key control IC clock
4*	P53	K_C_STROBE	Output	Key control IC strobe
5*	P54	KEY CONT.	Output	Key control
6*	P55	CD-SOL	Output	CD changer solenoid control
7,8	P56, P57	NO USE	Output	Joint 10 kohm to GND
9	VSS0	VSS0	—	Ground voltage
10	VDD0	VDD0	—	VDD
11*	P30	CD-LD M+	Output	CD changer motor control
12*	P31	CD-LD M-	Output	CD changer motor control
13*	P32	MO_SPEED	Output	CD changer motor speed control
14	P33	NO USE	Output	Joint 10 kohm to GND
15	P34	POWER_MPEG	Output	MPEG power supply control
16,17	P35, P36	NO USE	Output	Joint 10 kohm to GND
18	P20	MDI	Input	Communicate to system microcomputer DI
19	P21	MDO	Output	Communicate to system microcomputer DO
20	P22	MCK	Input	Communicate to system microcomputer CLK
21	P23	NO USE	Output	Joint 10 kohm to GND
22	P24	MBUSY	Output	Communicate to system microcomputer MBUSY
23	P25/ASCK0	NO USE	Output	Joint 10 kohm to GND
24	VDD1	VDD1	—	VDD
25	AVSS	AVSS	—	Ground
26-33	P17-P10	NO USE	Output	Joint 10 kohm to GND
34	AVREF	AVREF	—	Connect to VDD
35	AVDD	AVDD	—	Connect to VDD
36	RESET	RESET	Input	Common use DSP_RESET
37*	XT2	XT2	—	Open
38	XT1	XT1	—	Connect to VDD
39	IC	IC	—	Connect to ground
40	X2	X2	Output	Main clock
41	X1	X1	Input	Main clock
42	VSS1	VSS1	—	Ground voltage
43	INTP0	INT	Output	Interrupt request
44	INTP1	SBUSY	Input	Communicate to system microcomputer SBUSY
45,46	P02, P03	NO USE	Output	Joint 10 kohm to GND
47-50	P70-P73	NO USE	Output	Joint 10 kohm to GND
51	P74	MPEG RESET	Output	MPEG decoder reset
52	BUZ	HCS	Output	Chip select
53	P64/RD	HRD	Output	Reas strobe
54	WR	HWR	Output	Write strobe
55	WAIT	HDAK	Input	Bus cycle acknowledge
56	ASTB	HA	Output	Address strobe
57-64	AD0-AD7	HD0-HD7	Input/Output	Host parallel interface

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

ICV2 VHiD61012GC-1: MPEG Decoder (D61012GC) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1	V _{DD}	—	Digital supply.
2-5	HD7-HD4	Input/Output	Host data bus. HD7 = MSB, HD0 = LSB. Internally pulled down. Pull down resistance = approx. 42 kohms. Can quit this pull down with the HD_PD_OFF register (74H, bo).
6	GND	—	Ground
7-10	HD3-HD0	Input/Output	Host data bus. HD7 = MSB, HD0 = LSB Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the HD_PD_OFF register (74H, bo).
11,12	GND	—	Ground
13	X1	Input	To connect a 27 MHz oscillator. Open when not using.
14	X2	Input	To connect a 27 MHz oscillator or input 27 MHz clock. Set the clock at CKSEL terminal. Signal input at 3.3 Vp-p.
15	V _{DD}	—	Digital supply.
16	CKSEL	Input	Select a clock to be input to X2 terminal. Use CKSEL = High: oscillator. CKSEL = Low : 27 MHz clock input.
17	V _{DD}	—	Digital supply.
18	GND	—	Ground
19	$\overline{\text{HCS}}$	Input	Chip select signal.
20	$\overline{\text{HRD}}$	Input	Read strobe signal.
21	$\overline{\text{HWR}}$	Input	Write strobe signal.
22	HA	Input	Address / address strobe signal.
23	HSELA	Input	Host interface select signal. Select a serial interface or an 8-bit parallel interface. HSELX = High: parallel interface. HSELX = Low: serial interface.
24	HSELA	Input	Host interface mode select signal. Select multiplex mode or separate mode. HSELA = High: multiplex mode. HSELA = Low: separate mode. Fixed low when using serial interface.
25	V _{DD}	—	Digital supply.
26	GND	—	Ground
27	$\overline{\text{RESET}}$	Input	Reset terminal.
28	$\overline{\text{HDAK}}$	Output	Host bus acknowledge signal.
29	INT	Output	Interrupt signal.
30	GND	—	Ground
31	AUCLK	Input	Audio clock (16.9344 MHz).
32	AUBCK	Output	Audio bit clock.
33	AULRCK	Output	Audio L/R clock.
34	AUEMPH	Output	Audio emphasis signal.
35	AUDO	Output	Audio data output.
36	V _{DD}	—	Digital supply.
37	GND	—	Ground
38-42	MA8-MA4	Output	DRAM address bus. MA8 = MSB, MA0 = LSB.
43	GND	—	Ground
44	V _{DD}	—	Digital supply.
45-48	MA3-MA0	Output	DRAM address bus. MA8 = MSB, MA0 = LSB.
49	$\overline{\text{MRAS}}$	Output	DRAM low address strobe signal.
50	GND	—	Ground
51	V _{DD}	—	Digital supply.

ICV2 VHiD61012GC-1: MPEG Decoder (D61012GC) (2/2)

Pin No.	Terminal Name	Input/Output	Function
52	$\overline{\text{MWE}}$	Output	DRAM write enable signal.
53	$\overline{\text{MCAS}}$	Output	DRAM column address strobe signal.
54-56	MD7-MD5	Input/Output	DRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
57	GND	—	Ground
58-62	MD4-MD0	Input/Output	TDRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
63	VDD	—	Digital supply.
64	GND	—	Ground
65-68	MD15-MD12	Input/Output	DRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
69	GND	—	Ground
70-73	MD11-MD8	Input/Output	DRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
74	GND	—	Ground
75	VDD	—	Digital supply.
76	GND	—	Ground
77*	VCLK	—	Not used
78*	CSYNC	Output	Synchronized signal generating signal
79*	NSYNC	Output	Synchronized signal generating signal
80*	HSYNC	Output	Synchronized signal generating signal
81*,82*	—	—	Not used
83	VDD	—	Digital supply.
84	AVDD	—	Analog power supply
85	CBP1	Output	3CH Video D/A signal
86	VOUT1	Output	3CH Video D/A signal
87	CBP2	Output	3CH Video D/A signal
88*	VOUT2	Output	3CH Video D/A signal
89	CBP3	Output	3CH Video D/A signal
90*	VOUT3	Output	3CH Video D/A signal
91	AGND	—	Analog power supply
92	VDD	—	Digital supply.
93*	—	—	Not used
94	GND	—	Ground
95	CDC2PO	Input	CD data input
96	CDEMPH	Input	CD data input
97	CDLRCK	Input	CD data input
98	CDBCK	Input	CD data input
99	CDI	Input	CD data input
100	GND	—	Ground

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

ICV3 VHiSDM4260C-1: DRAM (SDM4260C)

Pin No.	Port Name	Function
1	VCC	Power supply
2-10	I/O0-I/O7	Data input/output
11*,12*	NC	Not used
13	$\overline{WE}$	Read/write enable
14	$\overline{RAS}$	Row address strobe
15*	NC	Not used
16-19	A0-A3	Address input (row/refresh: A0 to A3) (Column: A0 to A3)
20	VCC	Power supply
21	VSS	Ground
22-26	A4-A8	Address input (row/refresh: A4 to A8) (Column: A4 to A8)
27	$\overline{OE}$	Output enable
28,29	$\overline{UCAS}$, $\overline{LCAS}$	Column address strobe
30*	NC	Not used
31-34	I/O8-I/O11	Data input/output
35	VSS	Ground
36-39	I/O12-I/O15	Data input/output
40	VSS	Ground

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

ICV4 VHiNJM2267M-1: Video operation amp. (NJM2267M)

Pin No.	Terminal Name	Function
1	Clamp input terminal	Input of 1.9 V clamp, 1 Vp-p composite or Y-signal
2	GND	Ground
3	Sag correction terminal	Able to obtain an output without any sag by feeding back the sag, generated from output coupling C, using the external C (see block diagram). When not using the sag correction terminal, connect directly to the pin 4.
4,5	Output terminal	6 dB amplifier output. Able to drive 75 Ω line.
6	Sag correction terminal	Able to obtain an output without any sag by feeding back the sag, generated from output coupling C, using the external C (see block diagram). When not using the sag correction terminal, connect directly to the pin 5.
7	V+	Power source
8	Clamp input terminal	Input of 1.9 V clamp, 1 Vp-p composite or Y-signal.

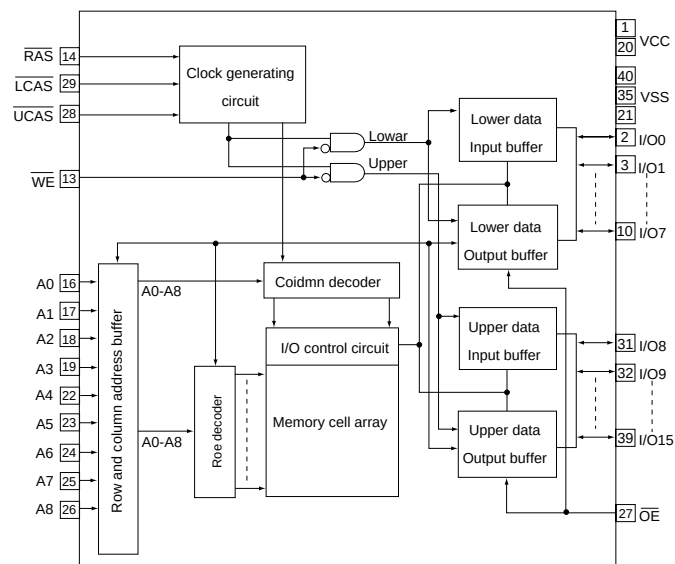
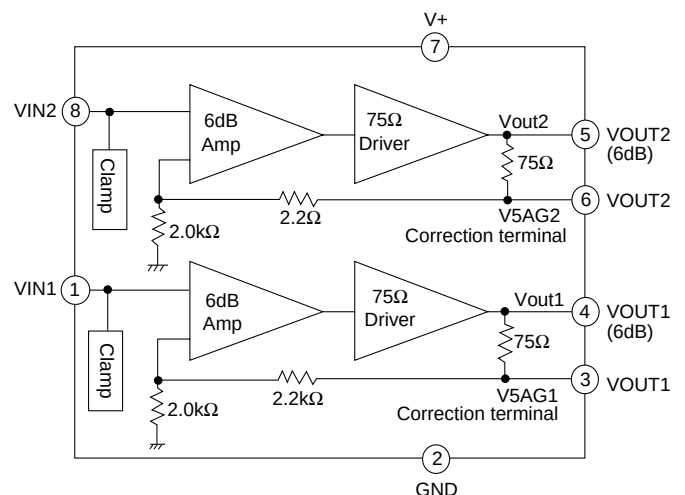
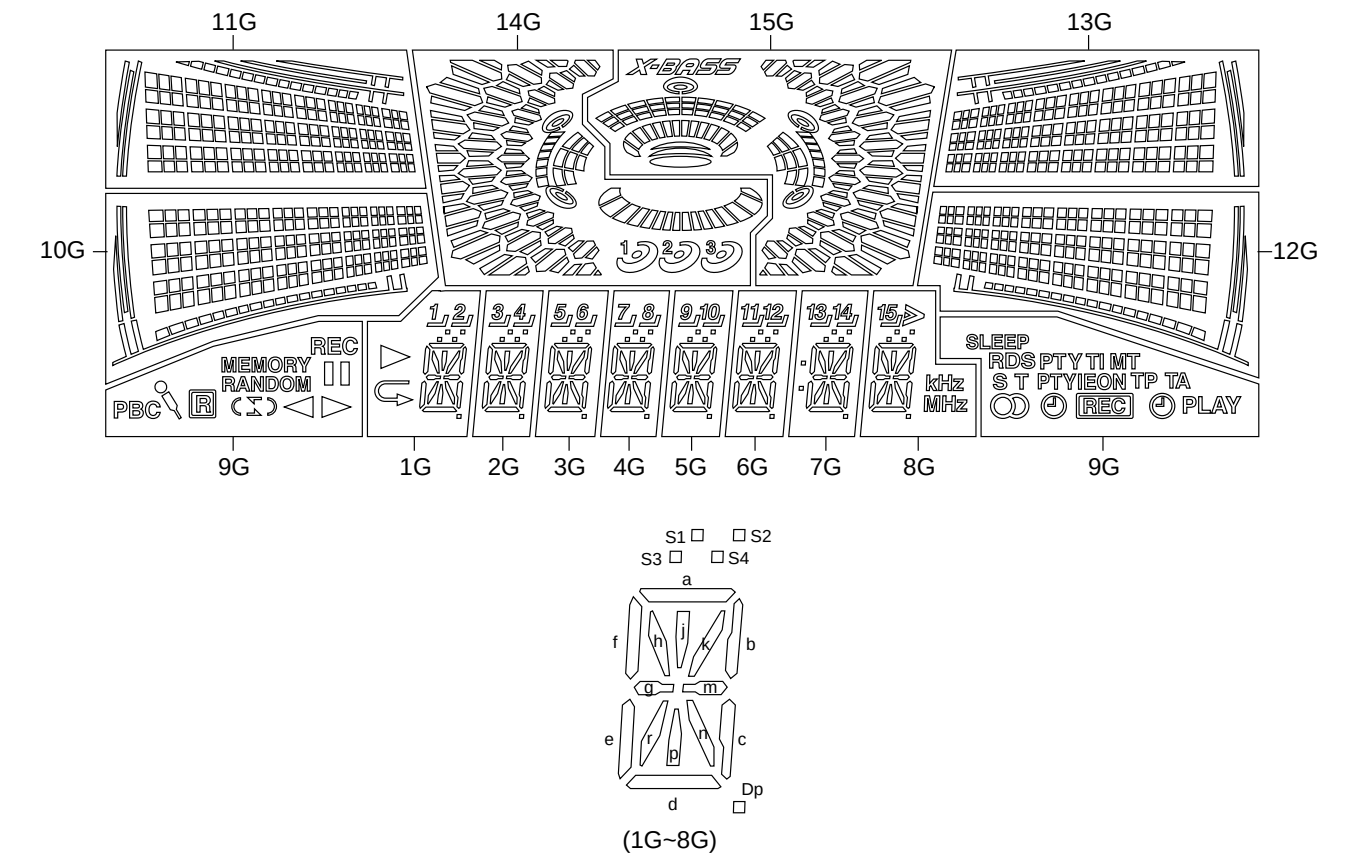
ICV3 VHiSDM4260C-1: DRAM (SDM4260C)**ICV4 VHiNJM2267M-1: Video operation amp. (NJM2267M)**

Figure 59 BLOCK DIAGRAM OF IC

FL701 VVKBJ744GNK-1: FL Display



PIN CONNECTION

PIN NO.	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	15G	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F1	F1	F1

PIN NO.	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21
CONNECTION	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NX	NX	NX	NX	NX	NX	NX	NX

PIN NO.	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
CONNECTION	F2	F2	F2	NP	NP	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13

Figure 60 FL DISPLAY

SHARP PARTS GUIDE

VIDEO CD MINI SYSTEM

MODEL CD-DK2600V

CD-DK2600V Video CD Mini System consisting of CD-DK2600V (main unit) and CP-DK2600 (front speakers), GBOXS0038AWM1 (center speaker) and GBOXS0039AWM1 (surround speakers).

"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" $\pm 5\%$, "K" $\pm 10\%$, "M" $\pm 20\%$, "N" $\pm 30\%$,
 "C" ± 0.25 pF, "D" ± 0.5 pF, "Z" $+80-20\%$.)

If there are no indications for the electrolytic capacitors, error is $\pm 20\%$.

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" $\pm 5\%$, "F" $\pm 1\%$, "D" $\pm 0.5\%$.)

If there are no indications for other parts, the resistors are $\pm 5\%$ 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-DK2600V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
INTEGRATED CIRCUITS				
IC1	VHILA9235M/-1	J	AQ	Servo Amp.,LA9235M
IC2	VHILC78636E-1	J		Servo/Signal Control,LC78636E
IC3	VHIM63001FP-1	J	AX	Focus/Tracking/Spin/Sled/ Loading Driver,M63001FP
IC101	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K
IC201	VHIBU4066BC-1	J	AG	Switching,BU4066BC
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC401	VHILC75341/-1	J	AM	Audio Processor,LC75341
IC501	VHIM62464AFP1	J	BB	Dolby Prologic Decoder, M62464AFP
IC601~603	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
IC701	RH-IX0360AWZZ	J		System Microcomputer, IX0360AW
IC702,703	VHIBU2092F/-1	J	AM	Input/Output Expander,BU2092F
IC704	VHIKIA7042AP1	J	AC	Reset,KIA7042AP
IC801	VHIKIA7805P-1	J	AF	Voltage Regulator,KIA7805P
IC802	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810AP
IC804	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05
IC901	VHISTK40271-1	J	AZ	Power Amp,STK40271
IC902	VHISTK40203-1	J	AX	Power Amp,STK40203
ICK1	VHIM65856SP-1	J	AX	Mic Amp.,M65856SP
ICV1	RH-IX0352AWZZ	J		MPEG Controller,IX0352AW
ICV2	VHID61012GC-1	J	BP	MPEG Decoder,D61012GC
ICV3	VHISDM4260C-1	J	AY	DRAM,SDM4260C
ICV4	VHINJM2267M-1	J	AH	Video Operation Amp., NJM2267M

TRANSISTORS

Q1	VSKTC3265Y/-1	J	AC	Silicon,NPN,KTC3265 Y
Q2	VSKRC102S/-1	J	AB	Digital,NPN,KRC102 S
Q3,4	VSKTA1504GR-1	J	AB	Silicon,PNP,KTA1504 GR
Q103~106	VS2SC1845F/-1	J	AC	Silicon,NPN,2SC1845 F
Q107,108	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q110,111	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
Q121,122	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q124	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q126,127	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
Q128	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
Q401,402	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q403,404	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q501~504	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q701~703	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q704,705	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q706	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q707,708	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q709	VSKRC102M/-1	J	AC	Digital,NPN,KRC102 M
Q710~712	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q804	VSKTA1274Y/-1	J	AE	Silicon,PNP,KTA1274 Y
Q823	VSKTC2026/-1	J	AF	Silicon,NPN,KTC2026
Q901~909	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q910	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q911	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QK1	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
QK2,3	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QV2	VSKTA1298Y/-1	J	AC	Silicon,PNP,KTA1298 Y
QV3	VSKRC104S/-1	J	AC	Digital,NPN,KRC104 S
QV4	VSKTA1298Y/-1	J	AC	Silicon,PNP,KTA1298 Y

DIODES

D21,22	VHDKDS193/-1	J	AC	Silicon,KDS193
D201,202	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D301,302	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D305	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D501,502	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D601~606	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D702	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D705,706	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D708~714	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D717,718	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D801	VHSDTS6B04GM-1	J	AP	Silicon,TS6B04GM-1

D802	VHDD3SBA60F-1	J		Silicon,D3SBA60F
D803~809	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D810,811	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
D818	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D901~909	VHDDDS1SS133-1	J	AB	Silicon,DS1SS133
DK1,2	VHD1SS133/-1	J	AA	Silicon,1SS133
DV4,5	VHDKDS193/-1	J	AC	Silicon,KDS193
LED700	VHP4204SRT7-1	J	AD	LED,Red,4204SRT7
LED701~714	VHP4204UYT7-1	J	AD	LED,Yellow,4204UYT7
LED715~717	VHP4204UGT7-1	J	AD	LED,Green,4204UGT7
LED718	VHP4204UYT7-1	J	AD	LED,Yellow,4204UYT7
VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCKDV147B/-1	J	AH	Variable Capacitance,KDV147B
ZD61	VHEZ02W3R9Z-1	J		Zener,3.9V,Z02W3.9Z
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD502	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD601	VHEDZ6R2BSC-1	J	AB	Zener,6.2V,DZ6.2BSC
ZD801	VHEDZ6R2BSA-1	J	AB	Zener,6.2V,DZ6.2BSA
ZD802	VHEDZ300BSB-1	J	AB	Zener,30V,DZ300BSB
ZD803	VHEDZ130BSB-1	J	AB	Zener,13V,DZ130BSB
ZDK1	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B

FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF303	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

TRANSFORMERS

△ PT801	RTRNP0299AWZZ	J		Power
T301	RCILB0065AWZZ	J	AC	OSC,FM
T302	RCILI0017AWZZ	J	AB	FM IF
T303	RCILA0052AWZZ	J	AE	AM Antenna
T306	RCILB0058AWZZ	J	AC	OSC,AM
T351	RCILI0019AWZZ	J	AD	AM IF

COILS

L61	RCILC0006AWZZ	J	AH	0.82 μH,Choke
L62	RCILC0007AWZZ	J		2.2 μH,Choke
L63,64	RCILC0006AWZZ	J	AH	0.82 μF,Choke
L104	VP-MK331K0000	J	AB	330 μH,Choke
L312	RCILR0056AWZZ	J	AB	FM RF
L351,352	VP-DH101K0000	J	AB	100 μH,Choke
L601	VP-DH101K0000	J	AB	100 μH,Choke
L702	VP-DH101K0000	J	AB	100 μH,Choke
L901~904	RCILZ0137AFZZ	J	AA	0.29 μH

CONTROLS

VR701	QSW-Z0010AWZZ	J	AF	Switch,Push Type [VOLUME]
VRK1	92LVRR1674A	J	AF	20 kohms (B)Mic 1 Level
VRK2	92LVRR1674A	J	AF	20 kohms (B)Mic 2 Level

VIBRATORS

X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
XL1	92LCRSTL1746A	J	AC	Crystal,16.9344 MHz
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.1943 MHz
XV1	RCRM-0201AFZZ	J	AD	Ceramic,4.19 MHz
XV2	RCRSP0013AWZZ	J	AG	Crystal,27 MHz

CAPACITORS

C6	VCEAPS107AF0J	J	AC	100 μF,10V,Electrolytic
C7	VCEAPS106AF1C	J	AB	10 μF,16V,Electrolytic
C8	VCKYTV1EF223Z	J	AA	0.022 μF,25V
C11	VCEAPS476AF0J	J	AC	47 μF,6.3V,Electrolytic
C12	VCKYTV1EF223Z	J	AA	0.022 μF,25V
C13	VCKYTV1HB103K	J	AA	0.01 μF,50V
C14	VCKYTV1CB334K	J	AC	0.33 μF,16V
C17	VCKYTV1HB472K	J	AA	0.0047 μF,50V
C18	VCCCTV1HH3R0C	J	AA	3 pF (CH),50V
C20	VCKYTV1EB104K	J	AA	0.1 μF,25V
C21	VCKYTV1EB104K	J	AA	0.1 μF,25V
C22	VCKYTV1HB101K	J	AA	100 pF,50V
C23	VCKYTV1HB473K	J	AA	0.047 μF,50V
C24	VCEAPS225AF1H	J	AB	2.2 μF,50V,Electrolytic
C25	VCKYTV1EF223Z	J	AA	0.022 μF,25V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C26	VCKYTV1HB473K	J	AA	0.047 μF,50V	C334	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C27	VCKYTV1EB104K	J	AA	0.1 μF,25V	C335	VCKYMN1HB561K	J	AA	560 pF,50V
C28	VCEAPS476AF1A	J	AD	47 μF,10V,Electrolytic	C338	VCKYMN1HB102K	J	AA	0.001 μF,50V
C29,30	VCKYTV1EF223Z	J	AA	0.022 μF,25V	C342	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C31	VCEAPS107AF0J	J	AC	100 μF,6.3V,Electrolytic	C350,351	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C34	VCKYTV1EF223Z	J	AA	0.022 μF,25V	C352	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
C38,39	VCEAPS106AF1C	J	AB	10 μF,16V,Electrolytic	C353,354	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C40	VCKYTV1HB152K	J	AA	0.0015 μF,50V	C355	VCCSMN1HL220J	J	AA	22 pF,50V
C41	VCEAPS107AF0J	J	AC	100 μF,6.3V,Electrolytic	C356	VCKYMN1HB102K	J	AA	0.001 μF,50V
C42	VCCCTV1HH680J	J	AA	68 pF (CH),50V	C357	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C43	VCKYTV1HB152K	J	AA	0.0015 μF,50V	C358	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C44	VCKYTV1EF223Z	J	AA	0.022 μF,25V	C361	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C45	VCEAPS107AF0J	J	AC	100 μF,6.3V,Electrolytic	C362	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C46	VCKYTV1EF223Z	J	AA	0.022 μF,25V	C363	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C47	VCEAPS107AF0J	J	AC	100 μF,6.3V,Electrolytic	C364	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
C49,50	VCEAPS107AF0J	J	AC	100 μF,6.3V,Electrolytic	C365	VCTYPA1CX223K	J	AA	0.022 μF,16V
C51	VCEAPS476AF0J	J	AC	47 μF,6.3V,Electrolytic	C366	VCKYMN1HB102K	J	AA	0.001 μF,50V
C52	VCKYTV1HB103K	J	AA	0.01 μF,50V	C367,368	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C53	VCKYTV1HB102K	J	AA	0.001 μF,50V	C369	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C54	VCEAPS476AF1A	J	AD	47 μF,10V,Electrolytic	C370~372	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C55	VCKYTV1HB103K	J	AA	0.01 μF,50V	C373,374	VCTYPA1CX153K	J	AA	0.015 μF,16V
C56	VCEAPS337AF0J	J	AC	330 μF,6.3V,Electrolytic	C375	VCKYBT1HB102K	J	AA	0.001 μF,50V
C64	VCEAPS476AF0J	J	AC	47 μF,6.3V,Electrolytic	C380	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
C71	VCKYTV1HB101K	J	AA	100 pF,50V	C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C72	VCKYTV1HB103K	J	AA	0.01 μF,50V	C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C73~78	VCKYTV1HB101K	J	AA	100 pF,50V	C385	VCTYMN1CY103K	J	AA	0.01 μF,16V
C80	VCKYTV1EB104K	J	AA	0.1 μF,25V	C386	VCKYMN1HB331K	J	AA	330 pF,50V
C81	VCKYTV1EF223Z	J	AA	0.022 μF,25V	C387	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C82	VCKYTV1EF223Z	J	AA	0.022 μF,25V	C391	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C83	VCKYTV1EF223Z	J	AA	0.022 μF,25V	C392	VCKYMN1HB102K	J	AA	0.001 μF,50V
C101,102	VCKYMN1HB102K	J	AA	0.001 μF,50V	C393	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C105,106	VCKYMN1HB181K	J	AA	180 pF,50V	C394	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C107,108	VCKYMN1HB102K	J	AA	0.001 μF,50V	C395	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C111~114	VCKYMN1HB331K	J	AA	330 pF,50V	C396	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C115,116	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C397	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C117,118	VCTYPA1EX333K	J	AA	0.033 μF,25V	C398	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V	C399	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C121,122	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C401	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C123	VCTYMN1CX222K	J	AA	0.0022 μF,16V	C402,403	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
C124	VCTYPA1CX222K	J	AA	0.0022 μF,16V	C404	VCTYMN1CX272K	J	AA	0.0027 μF,16V
C127	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C405~408	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C128	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic	C410,411	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C131,132	VCKYMN1HB271K	J	AA	270 pF,50V	C413,414	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C133,134	VCEAZA1EW226M	J	AB	22 μF,25V,Electrolytic	C415	VCTYMN1CX272K	J	AA	0.0027 μF,16V
C135,136	VCTYPA1CX223K	J	AA	0.022 μF,16V	C416,417	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
C139,140	VCTYMN1CX332K	J	AA	0.0033 μF,16V	C418	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C141,142	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C419	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C145	VCEAZA1EW226M	J	AB	22 μF,25V,Electrolytic	C420	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C146	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic	C421	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C150	VCQPKA2AA822J	J	AA	0.0082 μF,100V,Polypropylene	C422	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C151	VCKYKA1HM393K	J	AB	0.039 μF,50V,Mylar	C423	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C152	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C424,425	VCEAZA1HW475M	J	AB	4.7 μF,50V,Electrolytic
C153	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic	C501,502	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
C154	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C503~506	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C201~204	VCKYMN1HB391K	J	AA	390 pF,50V	C507	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C205	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C508	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C206	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C509	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C207~210	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C510	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C211	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C511	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C212	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic	C512	VCTYMN1CX472K	J	AA	0.0047 μF,16V
C302	VCKYMN1HB102K	J	AA	0.001 μF,50V	C513	VCKYMN1HB102K	J	AA	0.001 μF,50V
C303	VCCSMN1HL180J	J	AA	18 pF,50V	C514	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C304	VCTYPA1CX103K	J	AA	0.01 μF,16V	C515,516	VCFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
C305	VCCCMN1HH4R7C	J	AA	4.7 pF (CH),50V	C517	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C306	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C518	VCTYMN1CX472K	J	AA	0.0047 μF,16V
C307	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic	C519	VCKYMN1HB102K	J	AA	0.001 μF,50V
C308	VCCUMN1HJ4R7D	J	AA	4.7 pF (UJ),50V	C520	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C309	VCKYMN1HB102K	J	AA	0.001 μF,50V	C521	VCTYMN1CX562K	J	AA	0.0056 μF,16V
C310	VCCCMN1HH150J	J	AA	15 pF (CH),50V	C522	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C311	VCCSMN1HL180J	J	AA	18 pF,50V	C523	VCFYDA1HA684J	J	AF	0.68 μF,50V,Thin Film
C312	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C524,525	VCFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
C313	VCCCMN1HH220J	J	AA	22 pF (CH),50V	C526,527	VCEAZA1HW475M	J	AB	4.7 μF,50V,Electrolytic
C314,315	VCTYMN1CX472K	J	AA	0.0047 μF,16V	C528,529	VCFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
C316	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C530	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C317	VCKYMN1HB102K	J	AA	0.001 μF,50V	C531	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C318	VCKYMN1HB101K	J	AA	100 pF,50V	C532~534	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C319	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C535,536	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C323	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C537	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C324	VCCUMN1HJ8R2D	J	AA	8.2 pF (UJ),50V	C538	VCKYMN1HB681K	J	AA	680 pF,50V
C330	VCCUMN1HJ150J	J	AA	15 pF (UJ),50V	C539,540	VCQYKA1HM103K	J	AA	0.01 μF,50V,Mylar
C331	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C541	VCKYPA1HB681K	J	AA	680 pF,50V
C332	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C542,543	VCQYKA1HM103K	J	AA	0.01 μF,50V,Mylar

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C544	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C545	VCTYMN1CX682K	J	AA	0.0068 μF,16V
C546	VCEAZA1HW475M	J	AB	4.7 μF,50V,Electrolytic
C547	VCEAZA1HW227M	J	AC	220 μF,50V,Electrolytic
C548	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C549,550	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C551~554	VCKYMN1HB102K	J	AA	0.001 μF,50V
C567	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C568,569	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C570	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C601,602	VCKYMN1HB271K	J	AA	270 pF,50V
C603,604	VCTYMN1CX682K	J	AA	0.0068 μF,16V
C605,606	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C607,608	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C609	VCTYPA1CX223K	J	AA	0.022 μF,16V
C610~612	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C613~616	VCTYMN1CX272Z	J	J	0.0027 μF,16V
C617,618	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C619	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C625	VCKYMN1HB102K	J	AA	0.001 μF,50V
C698,699	VCTYMN1HF223Z	J	J	0.022 μF,50V
C701,702	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C706	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C707,708	RC-EZD225AF1H	J	AB	2.2 μF,50V,Electrolytic
C709,710	VCKYMN1HB102K	J	AA	0.001 μF,50V
C711	VCTYMN1CY103N	J	AA	0.01 μF,16V
C712	RC-EZD104AF1H	J	AB	0.1 μF,50V,Electrolytic
C713	RC-EZD335AF1H	J	AB	3.3 μF,50V,Electrolytic
C714	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C716	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C717	RC-EZD476AF1C	J	AC	47 μF,16V,Electrolytic
C718	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C719	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C720	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C721	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C722	RC-EZD227AF1A	J	AC	220 μF,10V,Electrolytic
C723	RC-EZD476AF1C	J	AC	47 μF,16V,Electrolytic
C724	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C725	RC-EZD476AF1C	J	AC	47 μF,16V,Electrolytic
C726	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C727	VCCSPA1HL680J	J	AA	68 pF,50V
C801	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C802	VCEAZA1EW227M	J	AC	220 μF,25V,Electrolytic
C803,804	VCEAZW1HW228M	J	AH	2200 μF,50V,Electrolytic
C805	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C806	VCQYKA1HM473K	J	AB	0.047 μF,50V,Myar
C807	VCEAZA1EW226M	J	AB	22 μF,25V,Electrolytic
C808	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C809,810	VCQYKA1HM104K	J	AB	0.1 μF,50V,Myar
C811	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C812	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C813	VCQYKA1HM104K	J	AB	0.1 μF,50V,Myar
C814	VCEAZW1EW338M	J	AG	3300 μF,25V,Electrolytic
C815,816	VCEAZW1HW228M	J	AH	2200 μF,50V,Electrolytic
C817~822	VCQYKA1HM473K	J	AB	0.047 μF,50V,Myar
C823	VCEAZA1VW107M	J	AC	100 μF,35V,Electrolytic
C824,825	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C826	VCEAZA1HW227M	J	AC	220 μF,50V,Electrolytic
C827,828	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C830	VCEAZV1VW477M	J	AD	470 μF,35V,Electrolytic
C833	VCQYKA1HM104K	J	AB	0.1 μF,50V,Myar
C834	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C901	VCCSPA1HL470J	J	AA	47 pF,50V
C902	VCCSPA1HL150J	J	AA	15 pF,50V
C903	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C904	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C905	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C906,907	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C908	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C909	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C910	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C911	VCCSPA1HL470J	J	AA	47 pF,50V
C912	VCCSPA1HL150J	J	AA	15 pF,50V
C913	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C914	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C915	VCCSPA1HL221J	J	AA	220 pF,50V
C916	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C917	VCCSPA1HL221J	J	AA	220 pF,50V
C918~921	VCQYKA1HM104K	J	AB	0.1 μF,50V,Myar
C930	VCCSPA1HL221J	J	AA	220 pF,50V
C931	VCCSPA1HL150J	J	AA	15 pF,50V
C932	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C933	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C934	VCCSPA1HL221J	J	AA	220 pF,50V
C935,936	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C937	VCCSPA1HL221J	J	AA	220 pF,50V
C938	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C939,940	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C941	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C942	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C943	VCCSPA1HL221J	J	AA	220 pF,50V
C944	VCCSPA1HL150J	J	AA	15 pF,50V
C945,946	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C947~950	VCQYKA1HM104K	J	AB	0.1 μF,50V,Myar
C960	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C961	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C986	VCKYPA1HB102K	J	AA	0.001 μF,50V
C987	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C988	VCEAZA1HW224M	J	AB	0.22 μF,50V,Electrolytic
CK1	VCTYPA1CX103K	J	AA	0.01 μF,16V
CK2	VCIFYHA1HA474J	J	AD	0.47 μF,50V,Thin Film
CK3	RC-EZY475AF1H	J	AB	4.7 μF,50V,Electrolytic
CK4	RC-EZY225AF1H	J	AB	2.2 μF,50V,Electrolytic
CK5,6	VCIFYDA1HA104J	J	AB	0.1 μF,50V,Thin Film
CK7	VCIFYHA1HA474J	J	AD	0.47 μF,50V,Thin Film
CK8	RC-EZY475AF1H	J	AB	4.7 μF,50V,Electrolytic
CK9	RC-EZY225AF1H	J	AB	2.2 μF,50V,Electrolytic
CK10,11	VCIFYDA1HA104J	J	AB	0.1 μF,50V,Thin Film
CK12	RC-EZY225AF1H	J	AB	2.2 μF,50V,Electrolytic
CK13	VCTYPA1CX472K	J	AA	0.0047 μF,16V
CK14	VCTYPA1CX102K	J	AA	0.001 μF,16V
CK15	VCQYKA1HM683K	J	AB	0.068 μF,50V,Myar
CK16	VCIFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
CK17	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic
CK18	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
CK19	VCKZPA1HF223Z	J	AA	0.022 μF,50V
CK20	VCIFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
CK21	VCQYKA1HM683K	J	AB	0.068 μF,50V,Myar
CK22	VCTYPA1CX472K	J	AA	0.0047 μF,16V
CK23	VCTYPA1CX102K	J	AA	0.001 μF,16V
CK24~26	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
CK29,30	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
CK31	VCIFYDA1HA154J	J	AB	0.15 μF,50V,Polyester
CK33~35	VCCSPA1HL470J	J	AA	47 pF,50V
CK41	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
CK42	VCKZPA1HF223Z	J	AA	0.022 μF,50V
CK43,44	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
CK72	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
CK73,74	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
CV1	VCEAPS476AF0J	J	AC	47 μF,6.3V,Electrolytic
CV2	VCKYTV1CF224Z	J	AB	0.22 μF,16V
CV3	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
CV4	VCEAPS476AF0J	J	AC	47 μF,6.3V,Electrolytic
CV5	VCKYTV1CF224Z	J	AB	0.22 μF,16V
CV6,7	VCCCTV1HH270J	J	AA	27 pF (CH),50V
CV8	VCEAZA1HW475M	J	AB	4.7 μF,50V,Electrolytic
CV9	VCKYTV1CF224Z	J	AB	0.22 μF,16V
CV10	VCEAPS476AF0J	J	AC	47 μF,6.3V,Electrolytic
CV11,12	VCKYTV1CF224Z	J	AB	0.22 μF,16V
CV13,14	VCKYTV1EB104K	J	AA	0.1 μF,25V
CV15	VCEAPS475AF1E	J	AB	4.7 μF,25V,Electrolytic
CV16	VCKYTV1EB104K	J	AA	0.1 μF,25V
CV17	VCKYTV1HB103K	J	AA	0.01 μF,50V
CV18	VCEAZA0JW108M	J	AC	1000 μF,6.3V,Electrolytic
CV19~21	VCKYTV1CF224Z	J	AB	0.22 μF,16V
CV22,23	VCEAPS476AF0J	J	AC	47 μF,6.3V,Electrolytic
CV24,25	VCKYTV1CF224Z	J	AB	0.22 μF,16V
CV26	VCKYPA1HB102K	J	AA	0.001 μF,50V
CV39	VCEAZA0JW108M	J	AC	1000 μF,6.3V,Electrolytic
CV40	VCEAPS226AF0J	J	AB	22 μF,6.3V,Electrolytic
CV41	VCEAPS475AF1E	J	AB	4.7 μF,25V,Electrolytic

RESISTORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
	VRS-TV2AB000J	J	AA	0 ohm,Jumper,1.25×2mm,Green
R1	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R3	VRS-TV2AB473J	J	AA	47 kohms,1/10W
R4	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R5	VRS-TV2AB393J	J	AA	39 kohms,1/10W
R6	VRS-TV2AB273J	J	AA	27 kohms,1/10W
R7	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
R8	VRS-TV2AB331J	J	AA	330 ohms,1/10W
R10	VRS-TV2AB273J	J	AA	27 kohms,1/10W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R11	VRS-TV2AB123J	J	AA	12 kohms,1/10W	R316	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R12,13	VRS-TV2AB681J	J	AA	680 ohms,1/10W	R322	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R14	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W	R323	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R15,16	VRS-TV2AB103J	J	AA	10 kohm,1/10W	R325	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R17	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R327	VRD-MN2BD330J	J	AA	33 ohms,1/8W
R19	VRS-TV2AB470J	J	AA	47 ohms,1/10W	R336	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R20	VRS-TV2AB221J	J	AA	220 ohms,1/10W	R350	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R21,22	VRS-TV2AB471J	J	AA	470 ohms,1/10W	R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R25	VRS-TV2AB103J	J	AA	10 kohm,1/10W	R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R35	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R37	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W	R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R38	VRS-TV2AB271J	J	AA	270 ohms,1/10W	R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R39	VRS-TV2AB471J	J	AA	470 ohms,1/10W	R357	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R40	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W	R358	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R42	VRS-TV2AB124J	J	AA	120 kohms,1/10W	R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R44	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R360	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R45	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W	R361,362	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R46	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R363,364	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R47	VRS-TV2AB3R3J	J	AA	3.3 ohms,1/10W	R365	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R48	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W	R372-374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R50	VRS-TV2AB470J	J	AA	47 ohms,1/10W	R375	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R51-56	VRS-TV2AB683J	J	AA	68 kohms,1/10W	R376	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R58	VRS-TV2AB221J	J	AA	220 ohms,1/10W	R377	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R67,68	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R378	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R71-78	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R79	VRS-TV2AB155J	J	AA	1.5 Mohms,1/10W	R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R80	VRS-TV2AB105J	J	AA	1 Mohm,1/10W	R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R81,82	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W	R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R83,84	VRS-TV2AB103J	J	AA	10 kohm,1/10W	R383	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R85	VRS-TV2AB101J	J	AA	100 ohm,1/10W	R384	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R86	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R385	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R89-93	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R386	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R94,95	VRS-TV2AB103J	J	AA	10 kohm,1/10W	R387	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R96	VRS-TV2AB102J	J	AA	1 kohm,1/10W	R388	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R97	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W	R391,392	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R101,102	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R393	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R103,104	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W	R395	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R105,106	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W	R401	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R107,108	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R402	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R109,110	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W	R403	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R111	VRD-ST2CD153J	J	AA	15 kohms,1/6W	R404,405	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R112	VRD-MN2BD153J	J	AA	15 kohms,1/8W	R406	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R113,114	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R407	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R115	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W	R408	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R117,118	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R409,410	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R119,120	VRD-ST2CD560J	J	AA	56 ohms,1/6W	R501	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R121,122	VRD-MN2BD104J	J	AA	100 kohm,1/8W	R502	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R123,124	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W	R503	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R125,126	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W	R504,505	VRD-MN2BD154J	J	AA	150 kohms,1/8W
R131	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W	R506	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R132	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W	R507-509	VRD-MN2BD154J	J	AA	150 kohms,1/8W
R134	VRD-MN2BD683J	J	AA	68 kohms,1/8W	R510	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R135,136	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W	R511	VRD-ST2CD154J	J	AA	150 kohms,1/6W
R137,138	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W	R512	VRD-MN2BD334J	J	AA	330 kohms,1/8W
R139,140	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W	R513	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R141,142	VRD-MN2BD101J	J	AA	100 ohm,1/8W	R516	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R145,146	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R518	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R153,154	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R519	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R158	VRD-ST2EE221J	J	AA	220 ohms,1/4W	R520,521	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R160	VRD-RT2HD820J	J	AA	82 ohms,1/2W	R523,524	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R162	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R525-528	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R164	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W	R529	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R165	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R530	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R166	VRD-MN2BD223J	J	AA	22 kohms,1/8W	R545,546	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R167	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R601	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R168	VRD-ST2CD4R7J	J	AA	4.7 ohms,1/6W	R602	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R174	VRD-ST2EE151J	J	AA	150 ohms,1/4W	R603	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R181,182	VRD-ST2CD104J	J	AA	100 kohm,1/6W	R604	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R201-204	VRD-MN2BD393J	J	AA	39 kohms,1/8W	R605	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R205-208	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W	R606	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W
R209-216	VRD-MN2BD104J	J	AA	100 kohm,1/8W	R607	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R217	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R608	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W
R218	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W	R609,610	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R219	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R611,612	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R220,221	VRD-MN2BD821J	J	AA	820 ohms,1/8W	R613,614	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R222	VRD-ST2CD330J	J	AA	33 ohms,1/6W	R615,616	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R225	VRD-MN2BD331J	J	AA	330 ohms,1/8W	R617,618	VRD-MN2BD154J	J	AA	150 kohms,1/8W
R302	VRD-MN2BD100J	J	AA	10 ohm,1/8W	R619,620	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R309	VRD-ST2CD103J	J	AA	10 kohm,1/6W	R621	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R311	VRD-MN2BD104J	J	AA	100 kohm,1/8W	R622	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R313	VRD-MN2BD333J	J	AA	33 kohms,1/8W	R623	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R314	VRD-ST2CD220J	J	AA	22 ohms,1/6W	R624	VRD-MN2BD123J	J	AA	12 kohms,1/8W

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R625	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R626	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R627,628	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R629,630	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R701~703	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R704~706	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R707	VRD-MN2BD330J	J	AA	33 ohms,1/8W
R709	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R710	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R712~719	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R720~723	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R724	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R725,726	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R727~729	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R731	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R732~734	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R735	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R736~738	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R739	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R740~742	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R743,744	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R745	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R746,747	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R748	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R749	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R750	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R751~755	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R756	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R757~760	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R761~772	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R773	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R774	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R776	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R779	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R781	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R782,783	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R784	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R785	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R786	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R787	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R788	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R789	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R790	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R793	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R794	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R796	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R801	VRS-VV3DA681J	J	AC	680 ohms,2W
R802,803	VRD-ST2EE223J	J	AA	22 kohms,1/4W
R804	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R806	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R807	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R808	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R809,810	VRD-ST2EE223J	J	AA	22 kohms,1/4W
R811	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R812	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R813	VRD-ST2CD100J	J	AA	10 ohm,1/6W
R814	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R816	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R901	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R902	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R903	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R904	VRD-ST2CD102J	J	AA	1 kohm,1/6W
△ R905	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R906	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R907	VRS-VV3AAR10J	J		0.1 ohm,1W
R908	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R909	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
△ R910	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R911	VRS-VV3AAR10J	J		0.1 ohm,1W
R912	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R913	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R914	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R915	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R916,917	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R918~920	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R921,922	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R923,924	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R930	VRD-ST2CD223J	J	AA	22 kohms,1/6W
△ R931	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R932	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R933	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R934	VRD-ST2CD102J	J	AA	1 kohm,1/6W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R935	VRS-VV3AAR10J	J		0.1 ohm,1W
R936	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R937	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R938	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R939,940	VRD-ST2CD683J	J	AA	68 kohms,1/6W
△ R941	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R942	VRS-VV3AAR10J	J		0.1 ohm,1W
R943	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R944	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R945	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R946	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R947,948	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R949~951	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R952,953	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R954,955	VRD-RT2HD331J	J	AA	330 ohms,1/2W
R956,957	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R958,959	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R960,961	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R971	VRD-RT2HD4R7J	J	AA	4.7 ohms,1/2W
R972	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R973	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R974	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R987~990	VRS-VV3DAR22J	J		0.22 ohms,2W
R991	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RD01	VRD-MN2BD681J	J	AA	680 ohms,1/8W
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-ST2CD272J	J	AA	2.7 kohms,1/6W
RD07	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD08	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RD09	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD10	VRD-ST2CD153J	J	AA	15 kohms,1/6W
RD11	VRD-MN2BD333J	J	AA	33 kohms,1/8W
RD12	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RD13	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD14	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD15	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD16	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD17	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RD18	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD19	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RD20	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD21	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD22	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RD23	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RD24	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD25	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RD26	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD27	VRD-MN2BD153J	J	AA	15 kohms,1/8W
RD28	VRD-ST2CD333J	J	AA	33 kohms,1/6W
RD29	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RD30	VRD-ST2CD184J	J	AA	180 kohms,1/6W
RK1	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RK2,3	VRD-ST2CD563J	J	AA	56 kohms,1/6W
RK4	VRD-ST2CD103J	J	AA	10 kohms,1/6W
RK5	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RK6	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RK7	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RK8	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RK9~11	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RK12	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RK13	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
RK14,15	VRD-RT2HD101J	J	AA	100 ohm,1/2W
RK36,37	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RK38	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RK39,40	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RK41,42	VRD-ST2CD152J	J	AA	1.5 kohm,1/6W
RK43,44	VRD-ST2CD474J	J	AA	470 kohms,1/6W
RK45,46	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RK47,48	VRD-ST2CD681J	J	AA	680 ohms,1/6W
RM710~712	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RM713~715	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RS701~704	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RS705	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RS708	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS709	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RS710	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RS711,712	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RS714	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS715	VRD-ST2CD102J	J	AA	1 kohm,1/6W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
RS716	VRD-MN2BD102J	J	AA	1 kohm,1/8W	RX701	VHLN63H380A-1	J	AK	Remote Sensor,N63H380A
RS717,718	VRD-ST2CD102J	J	AA	1 kohm,1/6W	SO301	QTANC0206AWZZ	J		Terminal,Antenna
RS720	VRD-MN2BD221J	J	AA	220 ohms,1/8W	SO901	QTANA1003AWZZ	J	AH	Terminal,Speaker
RS721~723	VRD-ST2CD102J	J	AA	1 kohm,1/6W	SW1	SWMPU10780MLB	J	AH	Switch,Push Type [Open/Close]
RS724~726	VRD-MN2BD103J	J	AA	10 kohm,1/8W	SW2	SWMPU11470MLB	J	AE	Switch,Push Type [Clamp]
RS727~733	VRD-ST2CD102J	J	AA	1 kohm,1/6W	SW3	SWMPU11470MLB	J	AE	Switch,Push Type [Disc Number]
RV1	VRS-TV2AB103J	J	AA	10 kohm,1/10W	SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]
RV2	VRS-TV2AB102J	J	AA	1 kohm,1/10W	SW701	92LSWICH1401AT	J	AC	Switch,Key Type [CD]
RV11	VRS-TV2AB102J	J	AA	1 kohm,1/10W	SW702	92LSWICH1401AT	J	AC	Switch,Key Type [TAPE]
RV15	VRS-TV2AB102J	J	AA	1 kohm,1/10W	SW703	92LSWICH1401AT	J	AC	Switch,Key Type [TUNING DOWN]
RV20	VRS-TV2AB102J	J	AA	1 kohm,1/10W	SW704	92LSWICH1401AT	J	AC	Switch,Key Type [MEMORY/SET]
RV22	VRS-TV2AB102J	J	AA	1 kohm,1/10W	SW705	92LSWICH1401AT	J	AC	Switch,Key Type [REV]
RV37	VRS-TV2AB102J	J	AA	1 kohm,1/10W	SW706	92LSWICH1401AT	J	AC	Switch,Key Type [FF]
RV38~43	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W	SW707	92LSWICH1401AT	J	AC	Switch,Key Type [PLAY]
RV44~47	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W	SW708	92LSWICH1401AT	J	AC	Switch,Key Type [STOP]
RV48~50	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W	SW709	92LSWICH1401AT	J	AC	Switch,Key Type [MEMORY/SET]
RV59	VRS-TV2AB103J	J	AA	10 kohm,1/10W	SW710	92LSWICH1401AT	J	AC	Switch,Key Type [REC]
RV60	VRS-TV2AB101J	J	AA	100 ohm,1/10W	SW711	92LSWICH1401AT	J	AC	Switch,Key Type [TUNING UP]
RV61	VRS-TV2AB104J	J	AA	100 kohm,1/10W	SW712	92LSWICH1401AT	J	AC	Switch,Key Type [VIDEO]
RV62,63	VRS-TV2AB151J	J	AA	150 ohms,1/10W	SW713	92LSWICH1401AT	J	AC	Switch,Key Type [TUNER]
RV64	VRS-TV2AB470J	J	AA	47 ohms,1/10W	SW714	92LSWICH1401AT	J	AC	Switch,Key Type [DIMMER]
RV84	VRS-TV2AB472J	J	AA	4.7 kohms,1/10W	SW715	92LSWICH1401AT	J	AC	Switch,Key Type [X-BASS]
RV85	VRS-TV2AB103J	J	AA	10 kohm,1/10W	SW716	92LSWICH1401AT	J	AC	Switch,Key Type [EQUAL]
RV86	VRS-TV2AB472J	J	AA	4.7 kohms,1/10W	SW717	92LSWICH1401AT	J	AC	Switch,Key Type [NORMAL]
RV93,94	VRS-TV2AB103J	J	AA	10 kohm,1/10W	SW718	92LSWICH1401AT	J	AC	Switch,Key Type [PHANTOM]
RV95	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W	SW719	92LSWICH1401AT	J	AC	Switch,Key Type [BY-PASS]
RV96	VRS-TV2AB333J	J	AA	33 kohms,1/10W	SW720	92LSWICH1401AT	J	AC	Switch,Key Type [ON/STAND-BY]
OTHER CIRCUITRY PARTS					SW721	92LSWICH1401AT	J	AC	Switch,Key Type [CLOCK]
BI4/CNS4	QCNWN1572AWZZ	J	AF	Connector Ass'y,6/6Pin	SW722	92LSWICH1401AT	J	AC	Switch,Key Type [TIMER]
BI401/CNS401	QCNWN1540AWZZ	J	AF	Connector Ass'y,5/5Pin	SW723	92LSWICH1401A	J	AD	Switch,Slide Type [KARAOKE MODE]
BI501/CNSV3	QCNWN1617AWZZ	J		Connector Ass'y,2/2Pin	SW724	92LSWICH1401A	J	AD	Switch,Slide Type [P.B.C]
BI701/CNS701	QCNWN1578AWZZ	J		Connector Ass'y,12/12Pin	SW725	92LSWICH1401A	J	AD	Switch,Slide Type [OSD]
BI702/CNS702	QCNWN1607AWZZ	J	AG	Connector Ass'y,9/9Pin	SW726	92LSWICH1401A	J	AD	Switch,Slide Type [DIGEST]
BIK1/CNSK1	QCNWN1573AWZZ	J		Connector Ass'y,11/11Pin	SW727	92LSWICH1401A	J	AD	Switch,Slide Type [BOOK MARK]
CNP1	QCNCM704GAWZZ	J	AC	Plug,7Pin	SW728	92LSWICH1401AT	J	AC	Switch,Key Type [DISC 1]
CNP2	QCNCM704HAWZZ	J	AC	Plug,8Pin	SW729	92LSWICH1401AT	J	AC	Switch,Key Type [DISC 2]
CNP3	92LCONE6P53253	J	AC	Plug,6Pin	SW730	92LSWICH1401AT	J	AC	Switch,Key Type [DISC 3]
CNP3A	92LCONE6P53254	J	AC	Plug,6Pin	SW731	92LSWICH1401AT	J	AC	Switch,Key Type [DISC SKIP]
CNP4	QCNCM705FAFZZ	J	AB	Plug,6Pin	SW732	92LSWICH1401AT	J	AC	Switch,Key Type [OPEN/CLOSE]
CNP11	92LCONE5P53254	J	AB	Plug,5Pin	SW733	92LSWICH1401AT	J	AC	Switch,Key Type [Reverse Mode]
CNP12	QCNCM932MAFZZ	J	AE	Plug,12Pin	SW799	QSW-S0024AWZZ	J	AE	Switch,Slide Type [SPAN SELECTOR]
CNP101	QCNCM705CAFZZ	J	AA	Plug,3Pin	△ SW801	QSOCE0008AWZZ	J	AH	Switch,Slide Type,Voltage Selector
CNP102/CNS102	QCNWN1609AWZZ	J		Connector Ass'y,7/6Pin	CD MECHANISM PARTS				
CNP301	92LCONE2P5268	J	AB	Plug,2Pin	301	NGERH0011AWZZ	J	AC	Gear,Middle
CNP401	92LCONEBP53253	J	AC	Plug,11Pin	302	NGERH0012AWZZ	J	AC	Gear,Drive
CNP501	QCNCM010NAWZZ	J	AC	Plug,13Pin	303	MLEVP0080AWZZ	J	AC	Rail,Guide
CNP601	92LCONE5P52287	J	AC	Socket,5Pin	304	NSFTM0020AWFW	J	AD	Shaft,Guide
CNP602	QCNCWZG25AWZZ	J	AE	Socket,25Pin	305	92LM-CUSN1524A	J	AC	Cushion
CNP701	QCNCWZF25AWZZ	J	AE	Socket,25Pin	△ 306	92LHPC1LXASY	J	BD	Pickup Unit Ass'y
CNP702	QCNCWZF13AWZZ	J	AC	Plug,13Pin	306- 1	—	—	—	Pickup Unit (Not Replacement Item)
△ CNP801	QCNCM049EAWZZ	J	AD	Plug,9Pin	306- 2	NGERR0043AFZZ	J	AC	Gear,Rack
CNP802	92LCONE8P5267X	J	AD	Plug,8Pin	306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack
CNP803	QCNWM050CAWZZ	J		Plug,3Pin	701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm
CNP804	92LCONE9P53253	J	AC	Plug,9Pin	702	XHBSD20P05000	J	AA	Screw,ø2×5mm
CNP805	QCNCW010NAWZZ	J	AC	Socket,13Pin	703	XBBSD20P03000	J	AA	Screw,ø2×3mm
CNP806	92LCONE2P53253	J	AB	Plug,2Pin	704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×3.8×0.25mm
CNPV3	92LCONE2P53254	J	AB	Plug,2Pin	M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
CNS1A/B	QCNWN1537AWZZ	J	AG	Connector Ass'y,7/7Pin	M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
CNS2A/B	QCNWN1538AWZZ	J	AG	Connector Ass'y,8/8Pin	SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]
CNS3A/B	QCNWN1539AWZZ	J	AE	Connector Ass'y,6/6Pin	CABINET PARTS				
CNS100	QCNWN1417AWZZ	J		Lead Wire with Lug	201	XEBSD26P08000	J	AA	Screw,ø2.6×8mm
CNS806	QCNWN1542AWZZ	J	AC	Connector Ass'y,2Pin	201- 1	92LCAB3311AASY	J		Front Panel Ass'y
CNS907	QCNWN1610AWZZ	J	AD	Flat Wire,5Pin	201- 2	92LBADGE1671A	J	AC	Badg,SHARP
△ F801,802	92LFUSET502E	J	AC	Fuse,T5A L 250V	201- 3	GCOVA1251AWSA	J	AH	Cover,Cassette Holder,Tape 1
△ F803,804	92LFUSET402E	J	AD	Fuse,T4A L 250V	201- 4	GCOVA1256AWSA	J	AB	Indicator,PRESET
△ F805	92LFUSET202E	J	AC	Fuse,T2A L 250V					
FC701	QCNWN1568AWZZ	J	AG	Flat Cable,25Pin					
FC702	QCNWN1544AWZZ	J	AE	Flat Cable,13Pin					
FL701	VVKBJ744GNK-1	J	BD	FL Display,BJ744GNK					
JK1	QJAKJ0007AWZZ	J	AF	Jack,Mic 1					
JK2	QJAKJ0007AWZZ	J	AF	Jack,Mic 2					
JK201	QSOCJ0409AWZZ	J	AF	Jack,Video In					
JK501	QSOCJ0112AWZZ	J		Jack,Video Out					
JK601	QJAKM0004AWZZ	J	AK	Jack,Headphones					
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]					
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]					
M3	92LTWMEN7E6Y	J	AR	Motor with Worm Pulley [T/T Up/Down Loading]					
M901	RMOTV0027AWZZ	J	AM	Motor,Air Cooling Fan					
RL901,902	RRLYD0014AWZZ	J	AK	Relay					

CD-K2600V

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
201- 5	GCOVA1258AWSA	J AB	Indicator,TIMER
201- 6	GCOVA1260AWSA	J AB	Indicator,Disc 1
201- 7	GCOVA1265AWZZ	J AC	Indicator,CD
201- 8	GCOVA1266AWZZ	J AC	Indicator,TUNER
201- 9	GCOVA1267AWZZ	J AC	Indicator,TAPE
201-10	GCOVA1268AWZZ	J AC	Indicator,VIDEO/AUX
201-11	GCOVA1275AWSA	J AB	Indicator,Disc 2
201-12	GCOVA1276AWSA	J AB	Indicator,Disc 3
201-13	GCOVA1277AWSA	J AB	Indicator,MULTI OPERATION
201-14	GCOVA1298AWSA	J AE	Cover,Cassette Holder,Tape 2
201-15	GDORF0074AWSA	J AE	Holder,Cassette,Tape 1
201-16	GDORF0075AWSA	J AE	Holder,Cassette,Tape 2
201-17	HDECQ0521AWSA	J AD	Panel,Cassette Cover,Tape 1
201-18	HDECQ0522AWSA	J AD	Panel,Cassette Cover,Tape 2
201-19	HDECQ0526AWSA	J AE	Light Up Ring,VOLUME
201-20	HDECQ0566AWSA	J	Panel,Center Operation
201-21	HDECQ0631AWSA	J	Panel Amp.
201-22	JKNBZ0660AWSA	J AF	Button,TUNNING
201-23	JKNBZ0661AWSA	J AE	Button,DIMMER
201-24	JKNBZ0663AWSA	J AE	Button,DOLBY/CENTER MODE
201-25	JKNBZ0665AWSA	J AF	Button,Disc Number
201-26	JKNBZ0740AWSA	J	Button,Function A
201-27	JKNBZ0673AWSA	J AF	Button,Function B
201-28	JKNBZ0683AWSA	J AF	Button,Center Operation
201-29	JKNBZ0714AWSA	J AG	Button,ON/STAND-BY
201-30	MLIFP0008AWZZ	J AD	Damper
201-31	MSPRD0152AWFJ	J	Spring,Cassette Tape 2
201-32	MSPRD0151AWFJ	J	Spring,Cassette Tape 1
201-33	PSHEM0008AWZZ	J	Shield Sheet
201-34	PSHEP0042AWZZ	J	Spacer,Operation Button A
201-35	PSHEP0043AWZZ	J	Spacer,Operation Button B
201-36	JKNBZ0664AWSA	J AD	Button,Function (VCD)
202	92LCAB3303BASY	J	Side Panel Ass'y,Left
202- 1	—	—	Side Panel Ass'y,Left (Not Replacement Item)
202- 2	PCUSG0022AWZZ	J AB	Cushion,Leg
203	92LCAB3303CASY	J	Side Panel Ass'y,Right
203- 1	—	—	Side Panel Ass'y,Right (Not Replacement Item)
203- 2	PCUSG0022AWZZ	J AB	Cushion,Leg
204	COV3287AASY1	J	CD Tray Cover Ass'y
204- 1	—	—	Cover,CD Tray (Not Replacement Item)
204- 2	GCOVA1254AWSA	J AE	Cover,CD Tray,Left
204- 3	GCOVA1255AWSA	J AE	Cover,CD Tray,Right
205	GCAB-1184AWSA	J AP	Cabinet,Top
206	GCOVA1264AWZZ	J AC	Cover,Volume Knob
207	GITAR0618AWSA	J	Rear Panel
208	JKNBK0012AWSG	J AK	Knob,Mic Level
209	JKNBK0072AWSA	J AE	Knob,VOLUME
210	KMECB0014AWZZ	J	Tape Mechanism Ass'y
211	LANGK0110AWFW1J	J AD	Bracket,Casette Lock Lever, Tape 1
212	LANGK0111AWFW1J	J AD	Bracket,Casette Lock Lever, Tape 2
213	LANGK0188AWFW	J AF	Bracket,Fan Motor
214	LANGK0189AWFW	J AC	Bracket,Sub Heat Sink A Support
217	LANGK0208AWFW	J	Bracket,PWB Support
218	LANGT0042AWFW	J AC	Bracket,PWB Support
219	LBSHC0002AWZZ	J AD	Bushing,AC Power Supply Cord
220	LCHSM0096AWFW	J AR	Chassis,Main
222	LHLDK9001AW00	J AB	Poly Core Tie
224	LHLDZ1242AWZZ	J AE	FL HOLDER
225	LHLDZ1244AWZZ	J AE	Holder,Dolby LED
226	LHLDZ1245AWZZ	J AE	Holder,Volume LED
227	LHLDZ1247AWZZ	J AE	Holder,Function LED
228	LHLDZ1252AWZZ	J	Holder,Disc Number LED
229	LHLDZ1253AWZZ	J	Holder,Operation LED
232	MLOKC0003AWZZ	J AD	Lock Lever,Casette,Tape 1
233	MLOKC0004AWZZ	J AD	Lock Lever,Casette,Tape 2
234	MSPRD0109AWFJ	J AB	Spring,Casette Lock Lever,Tape 1
235	MSPRD0110AWFJ	J AB	Spring,Casette Lock Lever,Tape 2
237	NFANP0001AWZZ	J AD	Rotary,Fan
241	PCUSG0022AWZZ	J AB	Cushion,Leg
243	PRDAR0149AWFW	J AP	Heat Sink,Main
244	PRDAR0150AWFW	J AS	Heat Sink,Sub,A
245	PRDAR0167AWFW	J	Heat Sink,Sub,B
246	PSHEP0037AWZZ	J AC	Sheet,Reflector
△ 247	QACCA0003AW00	J	AC Power Supply Cord [For Saudi Arabia]
△ 247	QACCB0006AW00	J AU	AC Power Supply Cord [For Hong Kong]

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
△ 247	QACCE0010AW00	J AK	AC Power Supply Cord [Except for Saudi Arabia/Hong Kong/T
△ 247	QACCJ0007AW00	J	AC Power Supply Cord [For Thailand]
248	QFSDH0001AWZZ	J AB	Holder,Fuse
249	QLUGP0001AWZZ	J AC	Lug (LUG801,802)
250	QLUGP0002AWZZ	J AB	Lug (LUG101,PINK1)
251	92LBE241414	J AD	Belt
252	92LCAUT1706A1	J AC	Caution Label,Class 3 Laser
253	92LCAUT1706B	J AA	Label,Laser
254	92LCSPR1431C	J AA	Spring,Ring
255	92LEVA0330702	J AD	Velvet Carpet,Cushion
△ 256	92LLUG1746A	J AA	Lug (K801,802)
257	92LMAG0104302	J AE	Magnet
258	92LMT0304302	J AB	Plate,Metal
259	92LNBAND1318A	J AA	Nylon Band
260	92LNM0305401	J AB	Velvet Carpet
261	92LPT0303002	J AB	Roller
262	92LPT0304303	J AB	Lever,Stop
263	92LPT0304304	J AB	Stopper
264	92LPT0304305	J AE	Lever,Lock
265	92LPT0304306	J AG	Stabilizer
266	92LPT0304307	J AC	Support,Cam
267	92LPT0304308	J AB	Lock Gear Pin
268	92LPT0304309	J AB	Cap,Pulley Stopper
269	92LPT0305413	J AG	Cam Gear Lower
270	92LPT0309506	J AD	Gear,Turntable Drive
271	92LPT0309507	J AD	Gear,Open/Close Drive
272	92LPT0309508	J AD	Gear,Planet
273	92LPT0309509	J AD	Gear,Drive
274	92LPT0309510	J AE	Gear,Pulley
275	92LPT0309511	J AD	Gear,Middle
276	92LPT0311101	J AB	Lever,Clamp
277	92LPT0311102	J AC	Lever,Disc
278	92LPT0312005	J AL	Gear,Cam
279	92LPT0320201	J AE	Support,Stabilizer
280	92LPT0330301	J AU	Chassis
281	92LPT0330803	J AK	CD,Chassis
282	92LPT0331003	J AT	Holder,Slide
283	92LPT0331105	J AM	Turntable
284	92LSP0304303	J AB	Spring,Stopper
285	92LSP0304305	J AB	Spring,Lock Lever
286	92LSP0304306	J AB	Spring,Lock Gear
287	TSPC-0740AWZZ	J	Label,Specification [For Thailand]
287	TSPC-0741AWZZ	J	Label,Specification [For Taiwan]
601	LX-BZ2222AXZZ	J AB	Screw,Special
602	LX-HZ0009AWFD	J AC	Screw,Special
603	LX-JZ0010AFFD	J AA	Screw,ø3×10mm
604	LX-JZ0022AFFD	J AA	Screw,ø3×10mm
605	XBBSD20P04000	J AA	Screw,ø2×4mm
607	XEBSD30P12000	J AA	Screw,ø3×12mm
608	XESSD30P10000	J AA	Screw,ø3×10mm
609	XHBSD26P04000	J AA	Screw,ø2.6×4mm
610	XHBSD30P06000	J AA	Screw,ø3×6mm
611	XHBSD40P08000	J AA	Screw,ø4×8mm
612	XJBSD30P10000	J AA	Screw,ø3×10mm
613	XJBSD30P14000	J AA	Screw,ø3×14mm
614	XJBSE30P10000	J AA	Screw,ø3×10mm
615	XJSSD30P10000	J AA	Screw,ø3×10mm
616	92LSC0308MBZI	J AB	Screw,ø3×8mm
617	92LSC0308RBZI	J	Screw,ø3×8mm
FRONT SPEAKER			
901	92LJ1924A	J AN	Front Panel
903	92LJ1925A	J AU	Net Frame Ass'y
905	92L9547C-1	J	Speaker Box Ass'y
907	92LP5876-3	J	Label,Specification
909	92LJ9774A	J AC	Cushion,Foot
910	92LJ9777P	J AD	Port Cushion
912	92LJ9802	J AF	Catching Holder
913	92LF1228A	J AC	Screw,ø4×12mm
914	92LF1080	J AB	Screw,ø3×10mm
916	92LJ9790B	J AC	Felt
917	92LE5868A	J	Speaker Cord Ass'y With Capactor
SP1,2	92LJ2828A	J	Super,Tweeter
SP3,4	VSP0051TBN56A	J AX	Tweeter
SP5,6	VSP0013WB486A	J BF	Woofor

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CENTER SPEAKER				
901	92LSRCNF005RS	J	AP	Net Frame Ass'y
902	92LSRCBC008RS	J	AX	Bottom Cabinet
903	92LSRCSC005RS	J	AG	Speaker Cord
904	92LSRCSW006RS	J		Screw,ø3×14mm
905	92LSRCPL014RS	J		Label,Parts Code
906	92LSRCFT001RS	J	AD	Cushion
SP1	VSPA010PB146A	J	AW	Speaker

SURROUND SPEAKER

901	92LSRCNF004RS	J	AQ	Net Frame Ass'y
902	92LSRCBC009RS	J	AR	Bottom Cabinet
903	92LSRCSC006RS	J		Speaker Cord
904	92LSRCSW006RS	J		Screw,ø3×14mm
905	92LSRCPL015RS	J		Label,Parts Code
SP1,2	VSPA010PB15CA	J	AS	Speaker

ACCESSORIES/PACKING PARTS

△	QANTL0008AWZZ	J	AH	AM Loop Antenna
	QCNWG0022AWZZ	J	AM	Video Cable
△	QPLGA0003AWZZ	J	AF	Adaptor,AC Plug
	QPLGA0004AWZZ	J	AF	Adaptor,AC Plug
	SPAKA0236AWZZ	J		Packing Add.,Left/Right
	SPAKC0988AWZZ	J		Packing Case
	SPAKP0013AWZZ	J	AC	Polyethylene Bag,Unit
	SPAKZ0573AWZZ	J	AB	Sheet,CD Tray
	TCAUA0053AWZZ	J		Caution Tag [For Taiwan]
	TCAUS0019AWZZ	J	AD	Label,Caution [For Thailand]
	TCAUZ0035AWZZ	J	AB	Caution Sheet
	TGANE0011AW54	J		Warranty Card [For Philippines]
	TGANZ0028AW54	J		Warranty Card [For Taiwan]
	TINST0084AWZZ	J		Operation Manual [For Thailand]
	TINSZ0587AWZZ	J		Operation Manual [Except for Thailand]
	TLABB0001AWZZ	J	AB	Label,Japan
	TLABE0437AWZZ	J		Label,Bar Code
	TLABE0438AWZZ	J		Label,Bar Code
	TLABG0002AWZZ	J	AB	Label,Hong Kong
	TLABH0056AWSA	J	AF	Sheet,E/C Comparison
	TLABH0057AWSA	J	AF	Sheet,E/C Comparison
	TLABH0058AWSA	J	AF	Sheet,E/C Comparison
	TLABJ0003AWZZ	J	AB	Label,Japan,Packing Case
	TLABN0112AWZZ	J		Label,Serial No.
	TLABS0268AWZZ	J		Label,Safety [For Hong Kong]
	TLABZ0745AWZZ	J		Label,Feature,Tape 1
	TLABZ0748AWZZ	J		Label,Feature,Tape 2
	TLABZ0795AWZZ	J		Label,Carton [For Taiwan]
	TLSTS0014AWZZ	J	AB	S/S List
	TMAPC0196AWZZ	J		Schematic Diagram A
	TMAPC0197AWZZ	J		Schematic Diagram B
		J	AE	Battery,SUM-3 (Not Replacement Item)
	92LBAG1460C1	J	AB	Polyethylene Bag,Operation Manual
	92LBAG1770A	J	AB	Polyethylene Bag,AC Cord
	92LBAG760C	J	AA	Polyethylene Bag,AC Plug
	92LFANT1746A	J	AD	FM Antenna
	92LN1883F	J	AM	Packing Add.,Front (Front Speaker)
	92LN1883R	J	AK	Packing Add.,Rear (Front Speaker)
	92LPANEL713A	J	AB	Panel,MADE IN MALAYSIA
	92LSRCBP011RS	J	AL	Packing Add.,Bottom (Center/Surround Speaker)
	92LSRCPE007RS	J		Polyethylene Bag (Center Speaker)
	92LSRCPE008RS	J		Polyethylene Bag,Speaker (Surround Speaker)
	92LSRCTP010RS	J	AM	Packing Add.,Top (Center/Surround Speaker)
	92LV45365-15	J		Polyethylene Bag,Speaker (Front Speaker)
1	RRMCG0218AWSA	J		Remote Control
1-1	GFTAB1022AWSB	J	AK	Lid,Remote Control

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

PWB-A1~3	92LPWB3311MANS	J	—	Main/Display/Headphone (Combined Ass'y)
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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
△	PWB-B			92LPWB3311PWRS J — Power Supply
	PWB-C			92LPWB3287VCDS J — CD Video
	PWB-D			QPWBF0027AWZZ J AD CD Motor (PWB Only)
	PWB-E			— Tape Mechanism
	PWB-F			92LPC99C017 J AE CD Loading Motor (PWB Only)
	PWB-G			92LPWB3352MICS J — Karaoke

OTHER SERVICE PARTS

UDSKA0004AFZZ	J	AZ		CD Optical Pickup Lens Cleaner Disc
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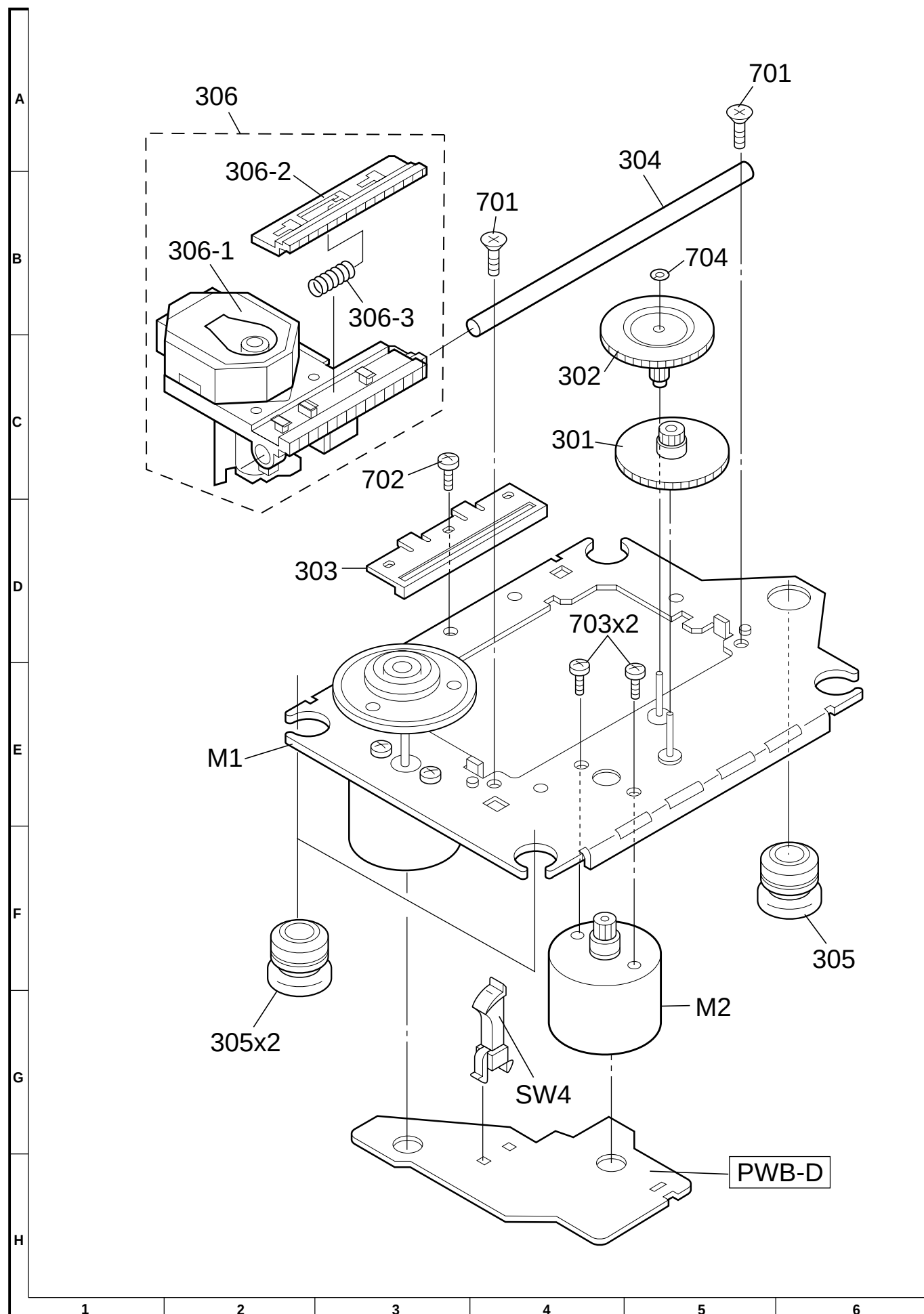


Figure 9 CD MECHANISM EXPLODED VIEW

– 10 –

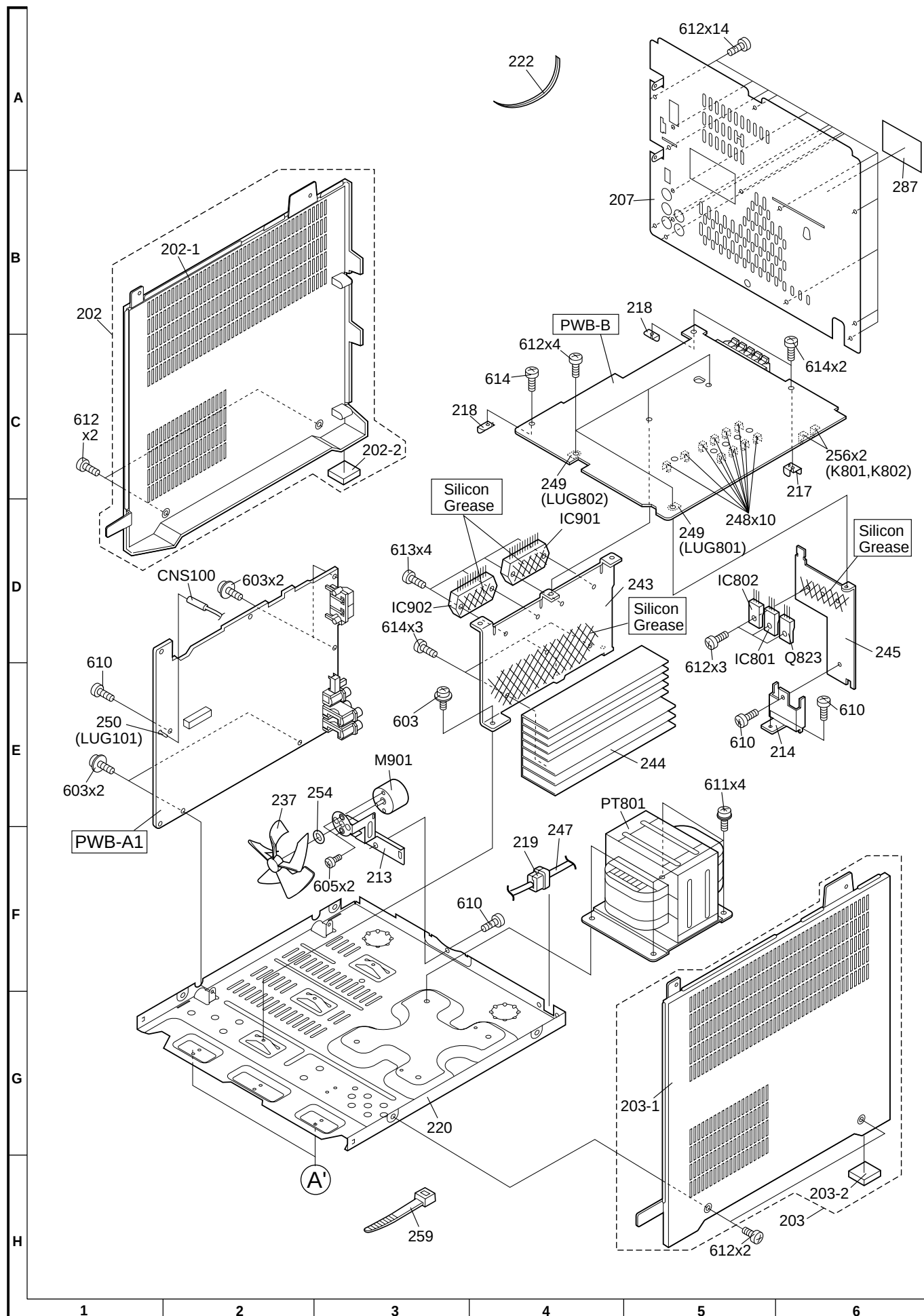


Figure 11 CABINET EXPLODED VIEW (2/3)

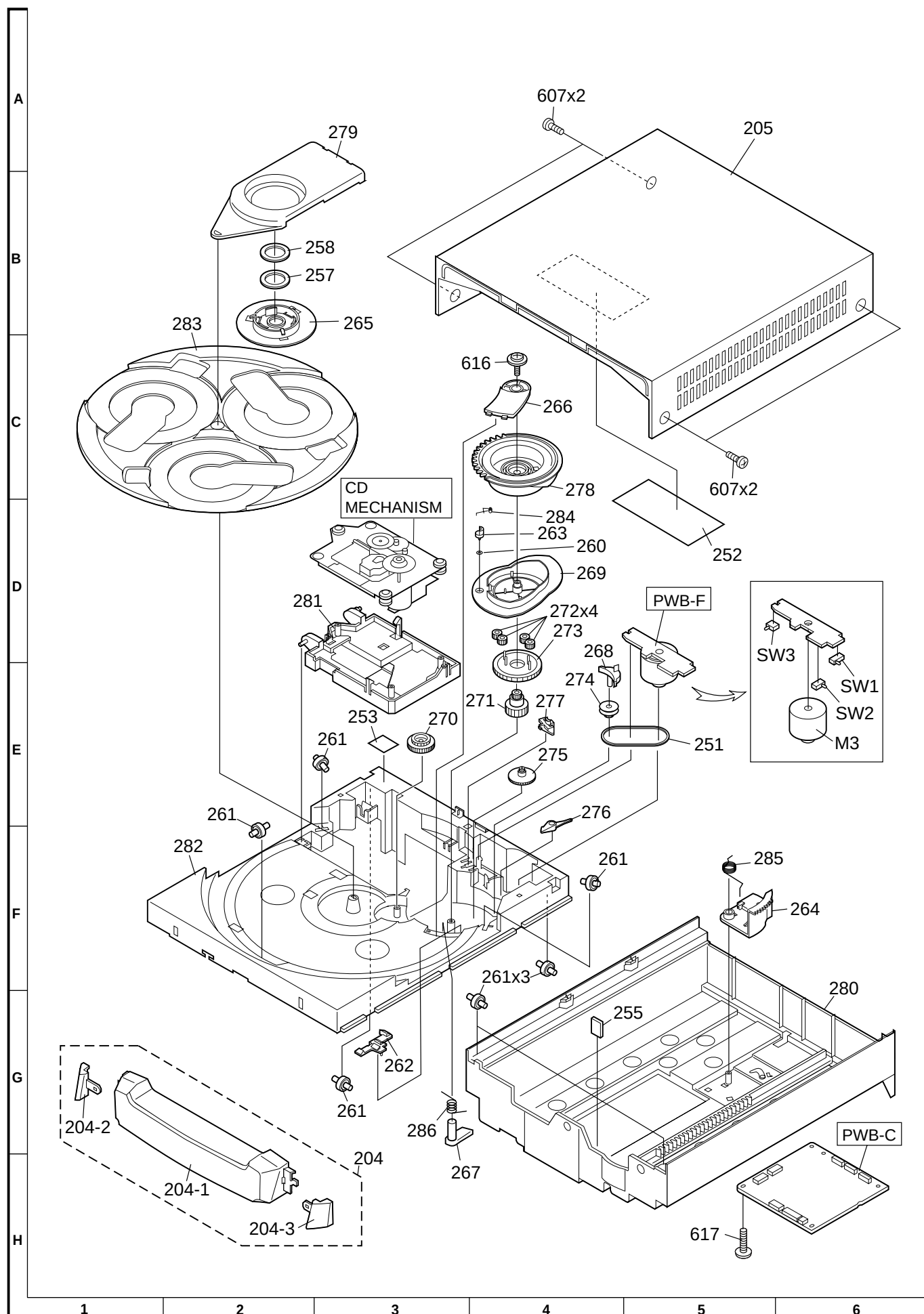


Figure 12 CABINET EXPLODED VIEW (3/3)

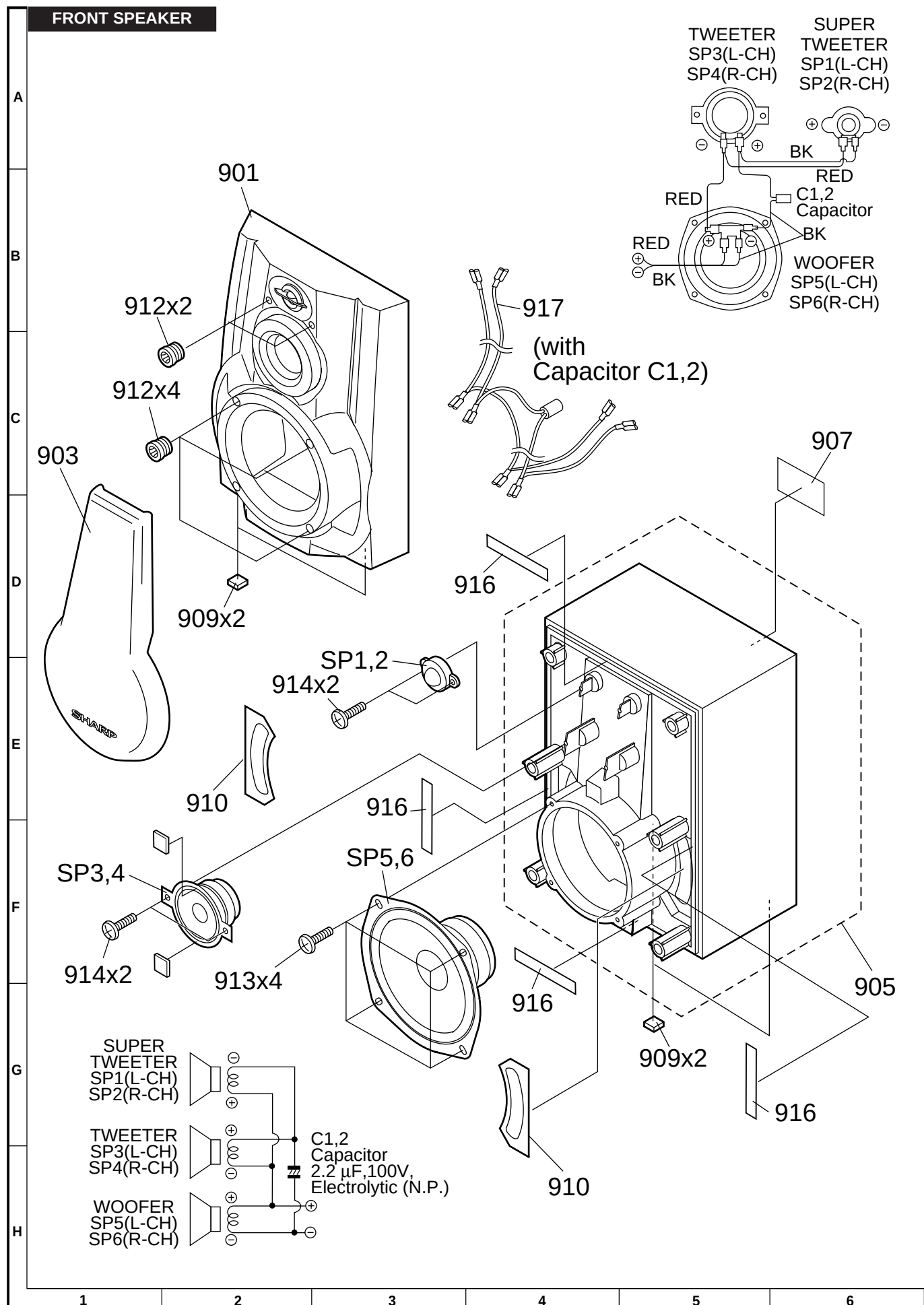


Figure 13 SPEAKER EXPLODED VIEW (1/2)

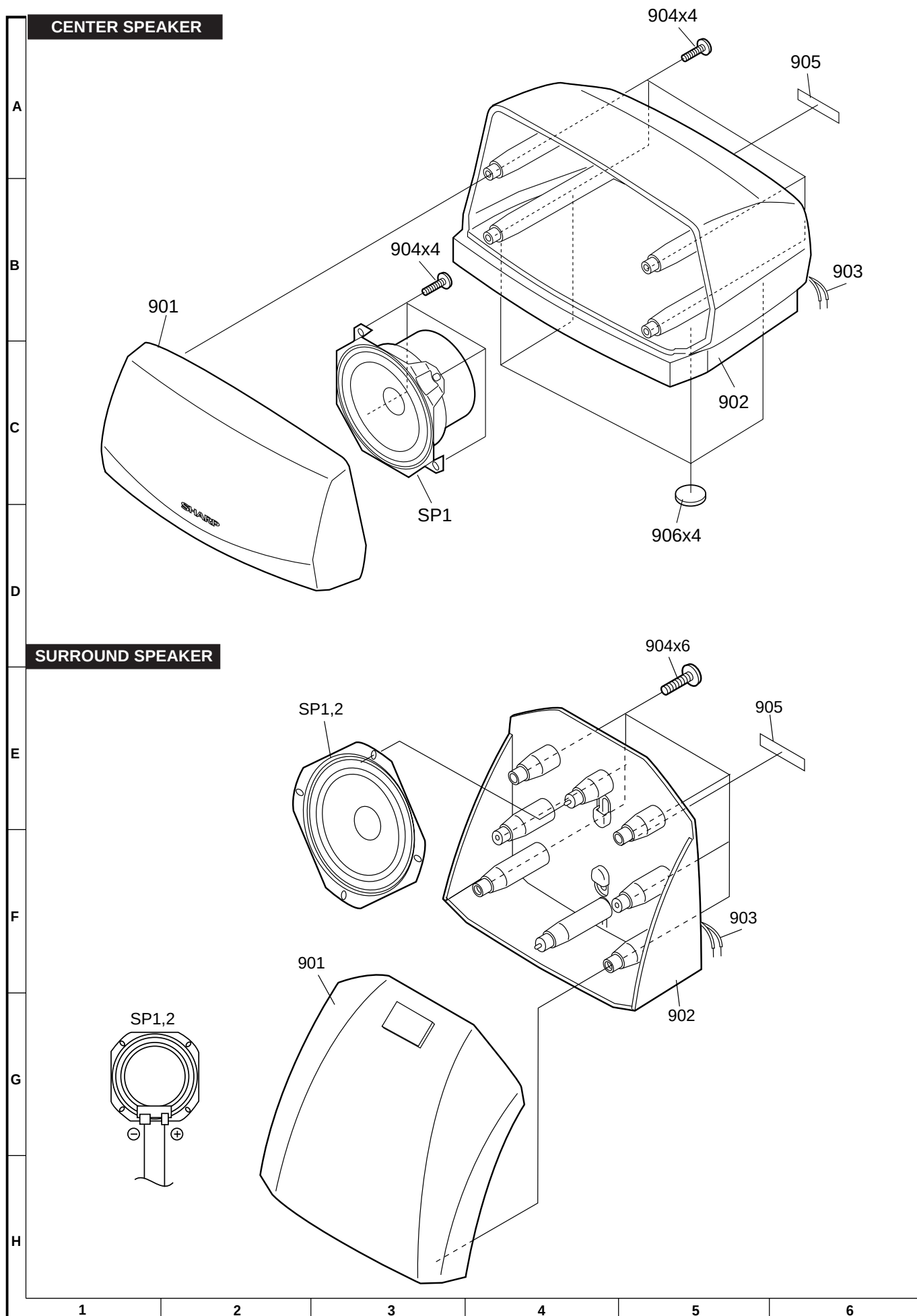


Figure 14 SPEAKER EXPLODED VIEW (2/2)

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SHARP CORPORATION
Communication Systems Group
Quality & Reliability Control Center
Higashihiroshima, Hiroshima 739-0192, Japan
Printed in Japan

A0004-679SS•HA•M

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