

SHARP SERVICE MANUAL

No. S6736CDC410W/

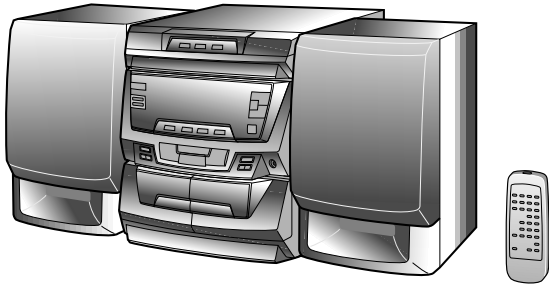


Illustration: CD-C410W,CP-C410

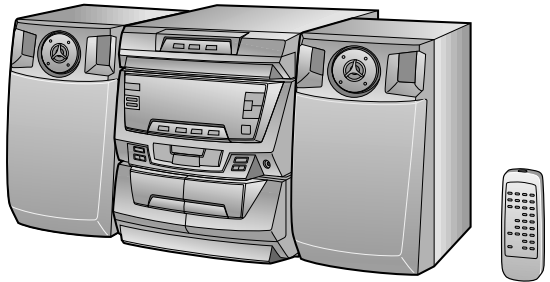


Illustration: CD-C415W,CP-C415

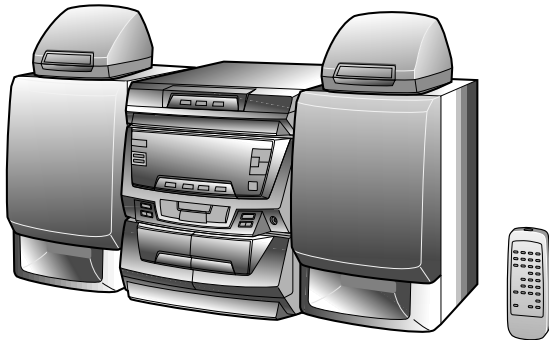


Illustration: CD-C420W,CP-C410,CP-SR410

CD-C410W
CD-C415W
CD-C420W
CP-C410
CP-C415
CP-SR410

COMPACT
disc
DIGITAL AUDIO

CD-C410W and CP-C410 constitute CD-C410W.
 CD-C415W and CP-C415 constitute CD-C415W.
 CD-C420W and CP-C410 and CP-SR410 constitute CD-C420W.

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

CONTENTS

	Page
SPECIFICATIONS	2
AC POWER SUPPLY CORD AND PLUG	2
VOLTAGE SELECTION	3
NAMES OF PARTS	3
OPERATION MANUAL	5
DISASSEMBLY	6
REMOVING AND REINSTALLING THE MAIN PARTS	9
ADJUSTMENT	10
NOTES ON SCHEMATIC DIAGRAM	12
BLOCK DIAGRAM	13
SCHEMATIC DIAGRAM / WIRING SIDE OF P.W.BOARD	16
VOLTAGE	30
WAVEFORMS OF CD CIRCUIT	31
TROUBLESHOOTING (CD CHANGER CONTROL / CD SECTION)	32
FUNCTION TABLE OF IC	36
FL DISPLAY	42
REPLACEMENT PARTS LIST/EXPLODED VIEW	42

CD-C410W/C415W/C420W,CP-C410/C415/SR410

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

SPECIFICATIONS

CD-C410W/C415W/C420W

● General

Power source: AC 110/127/220/230 - 240 V, 50/60 Hz
Power consumption: 65 W
Dimensions: Width; 270 mm (10-5/8")
Height; 300mm (11-13/16")
Depth; 359.5mm (14-3/16")
Weight: 5.0 kg (11.0 lbs.)

● Amplifier section

Output power: PMPO; 160 W (total)
MPO; 34 W (17 W + 17 W) (10 % T.H.D.)
RMS; 20 W (10 W + 10 W) (10 % T.H.D.)
Output terminals: Speakers; 8 ohms
(CD-C410W/C415W) Headphones; 16-50 ohms
(recommended; 32 ohms)
Output terminals: Front speakers; 8 ohms
(CD-C420W) Rear speakers; 16 ohms
Headphones; 16 - 50 ohms
(recommended; 32 ohms)
Input terminals: Video/Auxiliary (audio signal);
245 mV/47 kohms

● 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: 0.15 % (WRMS)

● Compact disc player section

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

CD-C410

● Front speaker section

Frequency response: 100 mm (4") full-range speaker
Maximum input power: 20W
Impedance: 8 ohms
Dimensions: Width; 180 mm (7-1/8")
Height; 300 mm (11-13/16")
Depth; 204 mm (8")
Weight: 2.1 kg (4.6 lbs.)/each

CP-C415

● Speaker section

Type: 2-way type [10 cm (4") woofer and super
tweeter]
Maximum input power: 20 W
Impedance: 8 ohms
Dimensions: Width; 180 mm (7-1/8")
Height; 300 mm (11-13/16")
Depth; 214 mm (8-7/16")
Weight: 2.4 kg (5.3 lbs.)/each

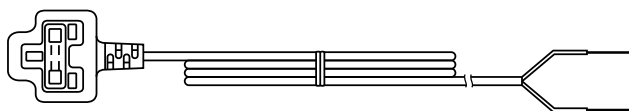
CP-SR410

● Rear speaker section

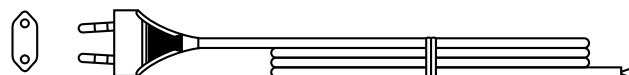
Type: 100 mm (4") full-range speaker
Maximum input power: 10 W
Impedance: 16 ohms
Dimensions: Width; 170 mm (6-11/16")
Height; 120 mm (4-3/4")
Depth; 175 mm (6-7/8")
Weight: 0.6 kg (1.3 lbs.)/each

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

QACCB0003AW00



QACCE0008AW00



92LCōRDA1387C



92LCōRDT1699A



92LCōRD577B



92LPLUG155A



92LPLUG027



Figure 2 AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

VOLTAGE SELECTION

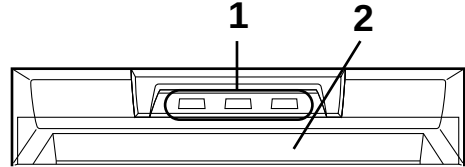
Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage. Slide the AC power supply socket cover by slightly loosening the screw to the visible indication of the side of your local voltage.

NAMES OF PARTS

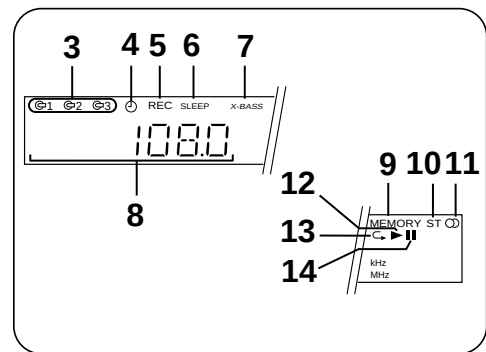
CD-C410W/C415W/420W

■ Front Panel

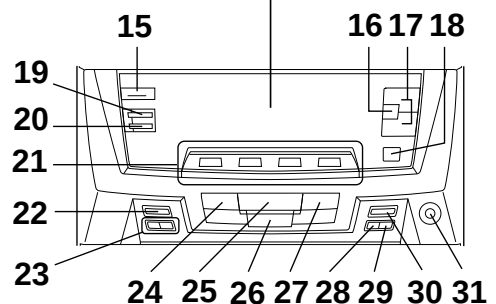
1. Disc Number Selector Buttons
2. Disc Tray



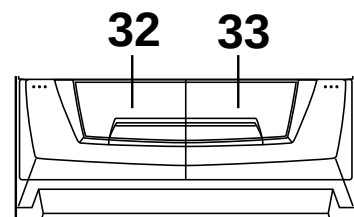
3. Disc Number Indicator
4. Timer Indicator
5. Record Indicator
6. Sleep Indicator
7. Extra Bass Indicator: X-BASS
8. Function/CD Track/CD Counter/Frequency/Preset Channel/Volume/Timer/Sleep Time Indicator
9. Memory Indicator
10. FM Stereo Mode Indicator: ST
11. FM Stereo Indicator: $\odot$
12. CD Play Indicator: $\blacktriangleright$
13. CD Repeat Indicator: $\curvearrowright$
14. CD Pause Indicator: $\blacksquare$



15. On/Stand-by Switch
16. Extra Bass/Equalizer Mode Button
17. Volume Up/Down Buttons: ∇/Δ
18. Random/Demo Button
19. Clock Button
20. Timer/Sleep Button
21. Function Selector Buttons
22. Memory/Set Button
23. Tuning and Time Up/Down Buttons: $\vee/\wedge$
24. Track Down/Review/Preset Down Button: $\lll/\lll$
25. Play/Repeat Button: $\blacktriangleright\curvearrowright$
26. Stop Button: $\blacksquare$
27. Track Up/Cue/Preset Up Button: $\ggg/\ggg$
28. Disc Skip Button
29. Open/Close Button: $\blacktriangle$
30. Record Pause Button: $\bullet\blacksquare$
31. Headphone Socket



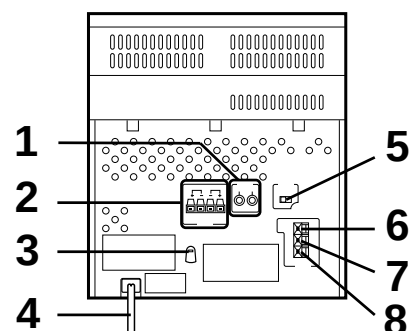
32. (TAPE 1) Cassette Compartment
33. (TAPE 2) Cassette Compartment



CD-C410W/C415W

■ Rear Panel

1. Video/Auxiliary (Audio Signal) Input Sockets
2. Speaker Terminals
3. AC Voltage Selector
4. AC Power Lead
5. Span Selector Switch
6. FM 75 Ohms Aerial Switch
7. Aerial Earth Terminal
8. AM Aerial Terminal

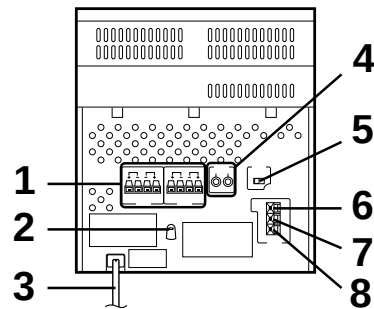


CD-C410W/C415W/C420W,CP-C410/C415/SR410

CD-C420W

■ Rear Panel

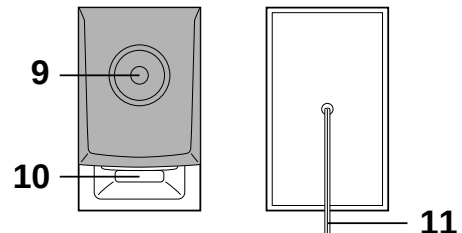
1. Speaker Terminals
2. AC Voltage Selector
3. AC Power Lead
4. Video/Auxiliary (Audio Signal) Input Sockets
5. Span Selector
6. FM 75 Ohms Aerial Terminal
7. Aerial Earth Terminal
8. AM Aerial Terminal



CP-C410

■ Speaker Section

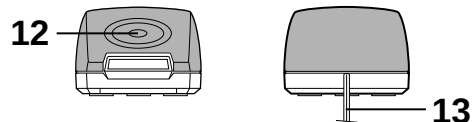
9. Full-Range Speaker
10. Bass Reflex Duct
11. Speaker Wire



CP-SR410

■ Speaker Section

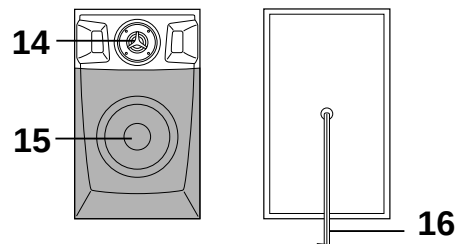
12. Full-Range Speaker
13. Speaker Wire



CP-C415

■ Speaker Section

14. Super Tweeter
15. Woofer
16. Speaker Wire



CD-C410W/C415W/C420W

■ Remote Control

1. Remote Control Transmitter LED

● CD Control section

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

● Tuner control section

12. Preset Up/Down Buttons: ∇/△

● Tape control section

13. (TAPE 1/2) Stop Button: ■
14. (TAPE 1) Play Button: ▶
15. (TAPE 2) Record Pause Button: ●||
16. (TAPE 2) Play Button: ▶
17. (TAPE 2) Rewind Button: ◀◀
18. (TAPE 2) Fast Forward Button: ▶▶

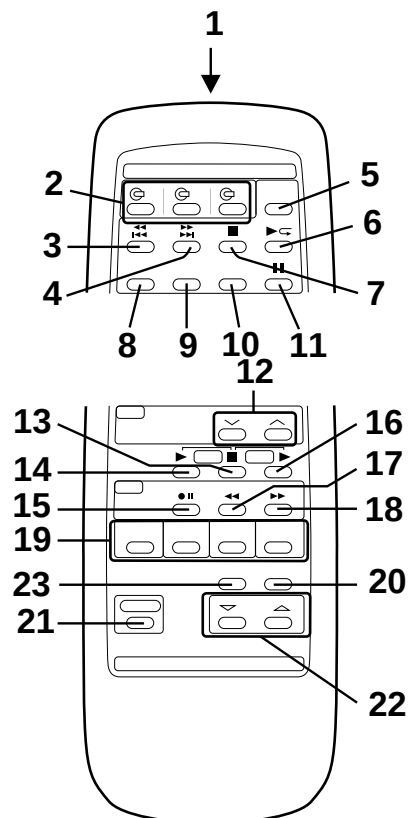
19. Function Selector Buttons

20. Extra Bass/Equalizer Mode Button

21. Power Button

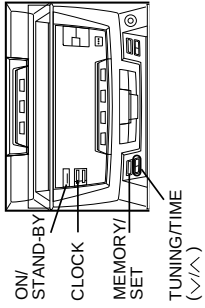
22. Volume Up/Down Buttons: ∇/△

23. 3D Mode Button (CD-C415W Only)



SETTING THE CLOCK

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



- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

- 1 Press the ON/STAND-BY switch to enter the stand-by mode.
- 2 Press the CLOCK button.
- 3 Within 3 seconds, press the MEMORY/SET button.
- 4 Press the TUNING/TIME (V or ^) button to select the time display.
 - "0:00" → The 24-hour display will appear.
 - "AM 0:00" → The 12-hour display will appear.
 - "AM 0:00 - PM 11:59" → The 12-hour display will appear.
 - "AM 12:00 - PM 11:59" → The 12-hour display will appear.
- 5 Press the MEMORY/SET button.
- 6 Press the TUNING/TIME (V or ^) button to adjust the hour. Press the TUNING/TIME button once to advance the time by 1 hour. Press for more than 0.5 seconds to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".
- 7 Press the MEMORY/SET button.
- 8 Press the TUNING/TIME (V or ^) button to adjust the minutes.
- Press the button for at least 0.5 seconds to change the time in 5-minute intervals.
- The hour setting will not advance even if minutes advance from "59" to "00".
- 9 Press the MEMORY/SET button.
- The clock starts operating from "0" seconds. (Seconds are not displayed.)

Note:

- In the event of a power failure or when the AC power lead is disconnected, the clock display will go out. When the AC power supply is restored, the clock display will flash on and off to indicate the time when the power failure occurred or when the AC power lead was disconnected. If this happens, follow the procedure below to change the clock time.

To change the clock time:

When the ON/STAND-BY switch is set to STAND-BY.

- 1 Press the MEMORY/SET button.

- 2 Perform steps 6 - 9 above.

When the ON/STAND-BY switch is set to ON.

- 1 Press the CLOCK button.

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

- 3 Perform steps 6 - 9 above.

To see the time display: (When the power is on)

Press the CLOCK button.

- The time display will appear for about 3 seconds.

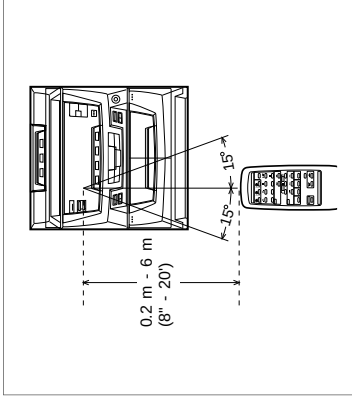
To switch the time display mode:

- 1 Press the ON/STAND-BY switch to enter the stand-by mode.
- 2 Press and hold down the VOLUME V button, the button and the ON/STAND-BY switch all at the same time. Hold them for at least 1 second. (Refer to RESET THE MICROCOMPUTER on page 17.)
- 3 Perform steps 1 - 9 above.

Note:

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

PREPARATION FOR USE



Notes concerning use:

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

RESET THE MICROCOMPUTER

Reset the microcomputer under the following conditions:-

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

- 1 Press the ON/STAND-BY (POWER) switch to enter the stand-by mode.

- 2 Press and hold down the VOLUME V button, the button and the ON/STAND-BY (POWER) switch all at the same time. Hold them for at least 1 second.

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-C410W/CD-C415W/CD-C420W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	6-1
2	Side Panel (Left/right)	1. Screw (B1) x6	6-1
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. Hook (C1) x3 3. Hook (C2) x2 4. Socket (C3) x4	6-2
4	Back Board	1. Screw (D1) x6	6-2
5	Main PWB/ Display PWB/ Headphone PWB/ Switch PWB	1. Screw (E1) x14 2. Socket (E2) x4	7-1
6	Front Panel	1. Screw (F1) x2 2. Hook (F2) x2	7-1
7	Tape Mechanism	1. Open the cassette holder. 2. Screw..... (G1) x6	7-2
8	Turntable	1. Screw (H1) x1 2. Cover (H2) x1	7-3
9	Disc Tray	1. Screw (J1) x2 2. Guide (J2) x2	7-3
10	CD Changer Mechanism	1. Screw (K1) x4	7-4
11	CD Mechanism	1. Screw (L1) x1	7-4

Note 1:

How to open the changer manually. (Fig. 6-3)

1. Insert the tip of fine screwdriver into the hole of CD player base, and press down the worm wheel < A > .
2. Then, turn fully the lock lever in the arrow direction through the hole on the loading chassis bottom in this state.
After that, push forward the CD player base.

CP-C410

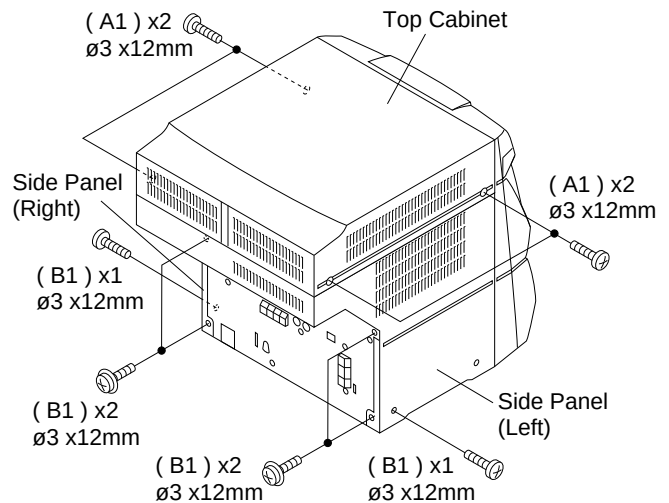
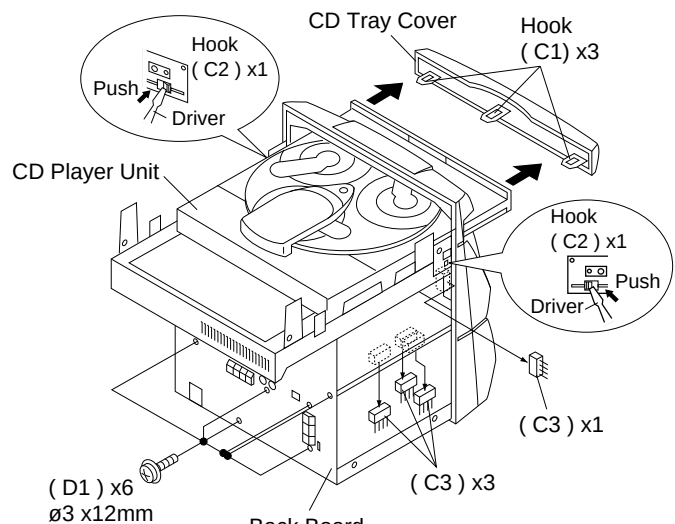
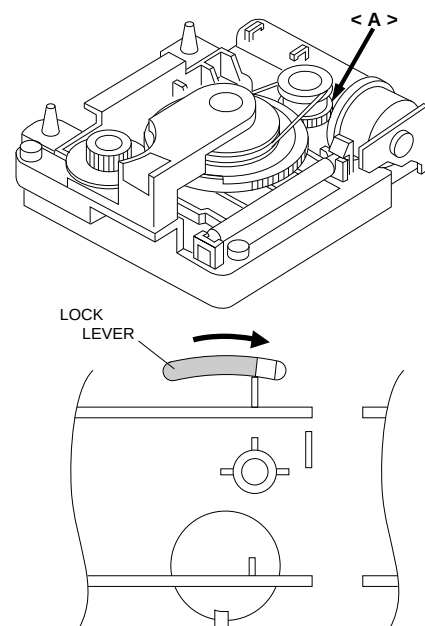
STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Front panel (A1) x1 2. Screw (A2) x4	7-5 7-6

CP-SR410

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top cabinet	1. Screw (B1) x6	8-1

CP-C415

STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Front panel (C1) x1 2. Screw (C2) x4	8-2 8-3

CD-C410W/CD-C415W/CD-C420W**Illustration: CD-C410W/CD-C415W****Figure 6-1****Figure 6-2****Figure 6-3**

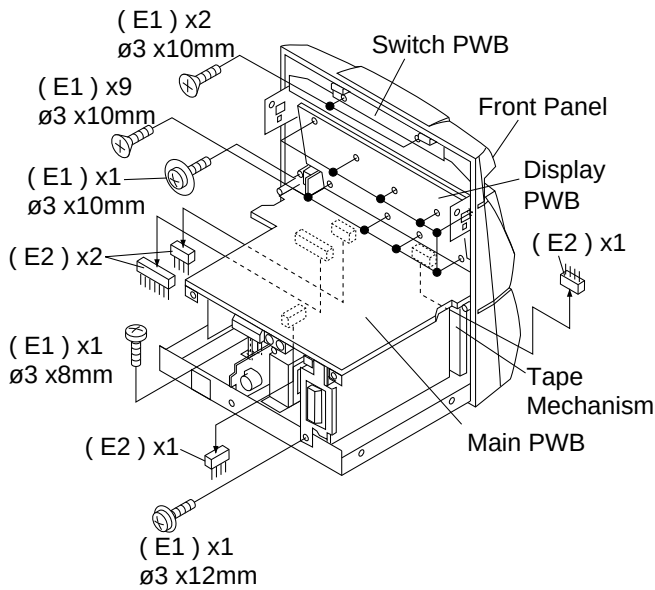


Figure 7-1

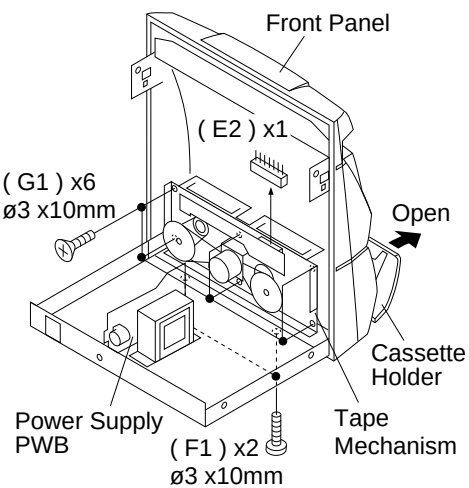


Figure 7-2

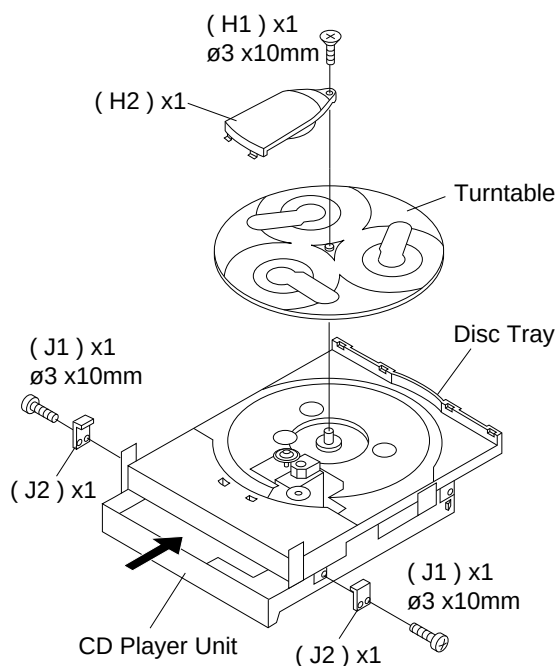
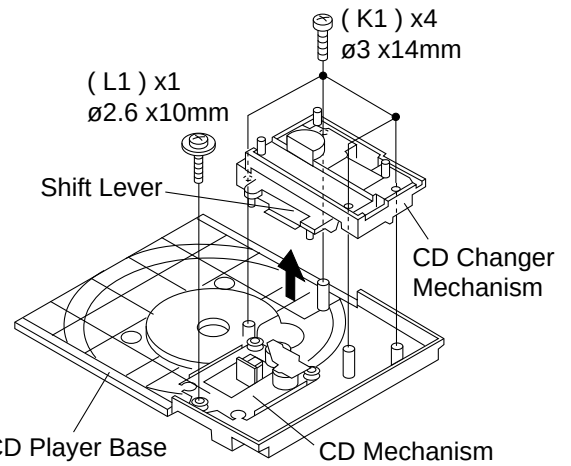


Figure 7-3



Care when installing the CD changer mechanism. Install the CD changer mechanism on the CD player base after the shift lever has been set in the highest position.

Figure 7-4

CP-C410

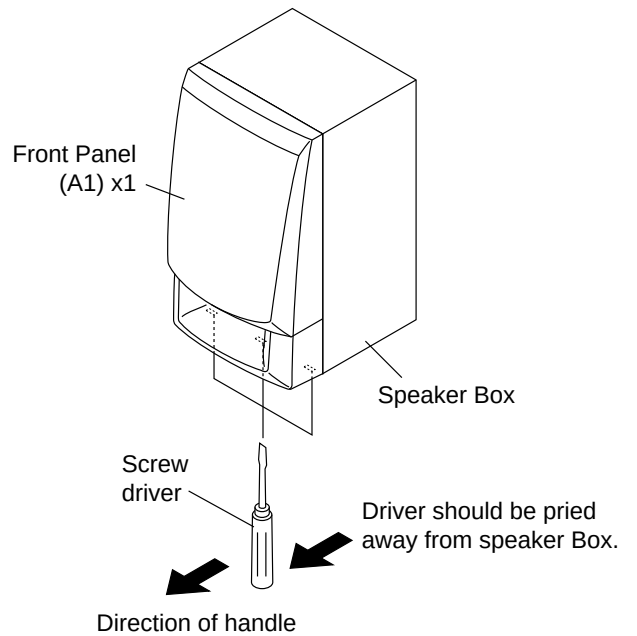


Figure 7-5

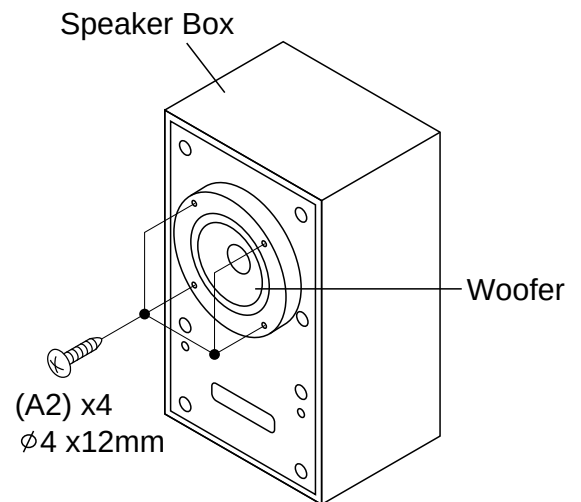


Figure 7-6

CP-SR410

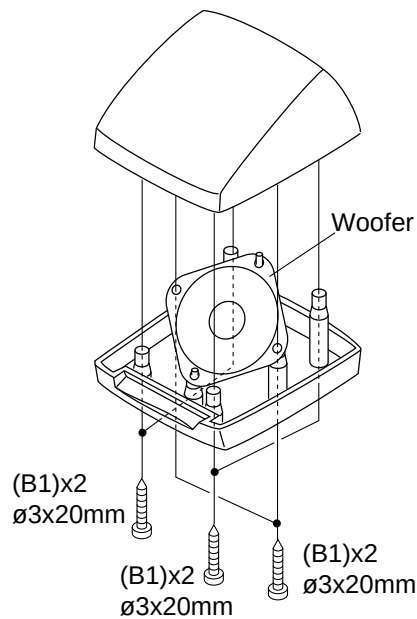


Figure 8-1

CP-C415

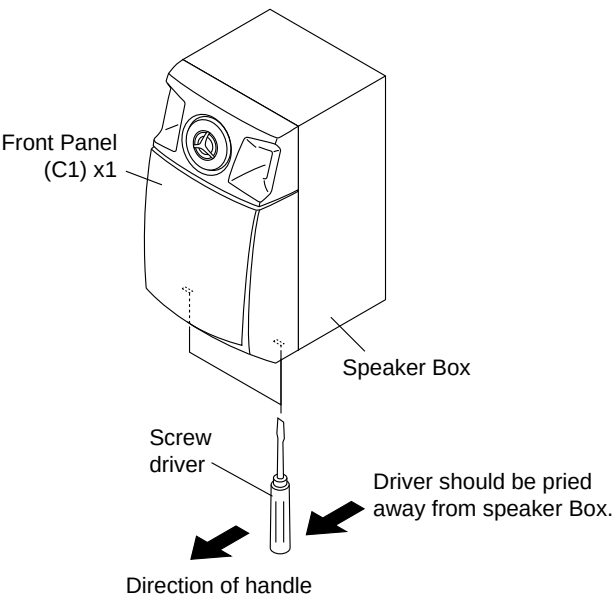


Figure 8-2

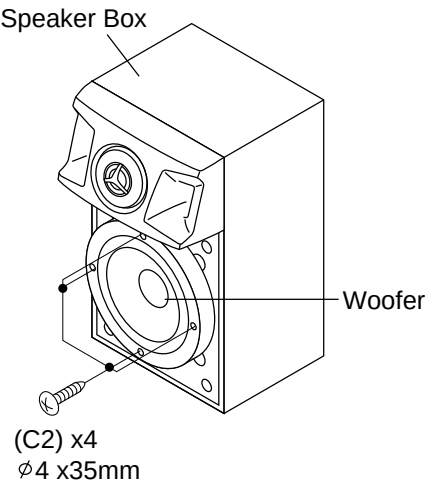


Figure 8-3

REMOVING AND REINSTALLING THE MAIN PARTS

CD MECHANISM SECTION

Perform steps 1, 2, 3, 10 and 11 of the disassembly method to remove the CD mechanism.

How to remove the loading motor (See Fig. 9-1)

1. Remove the screws (A1) x 2 pcs., to remove the loading motor.

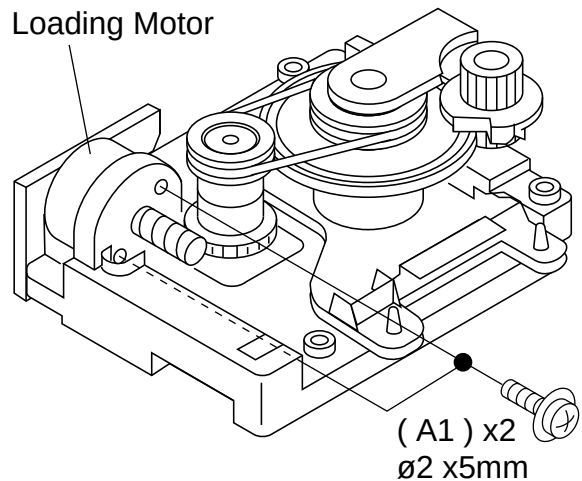


Figure 9-1

How to remove the turntable up/down motor (See Fig. 9-2)

1. Remove the screws (B1) x 2 pcs., to remove the turntable up/down motor.

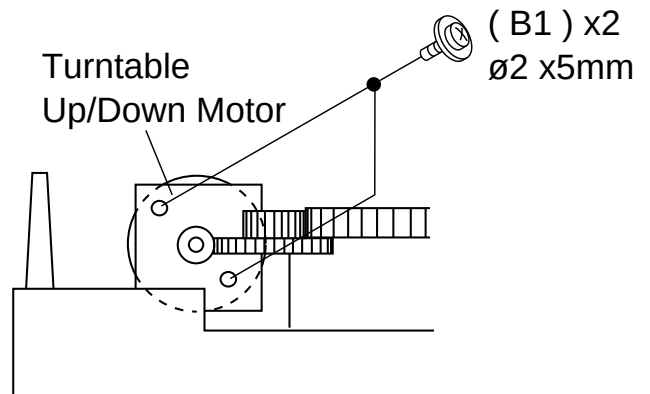


Figure 9-2

How to remove the pickup (See Fig. 9-3)

1. Remove the screws (C1) x 2 pcs., to remove the shaft (C2).
2. Remove the stop washer (C3) x 1 pc., to remove the gear (C4).
3. Remove the pickup.

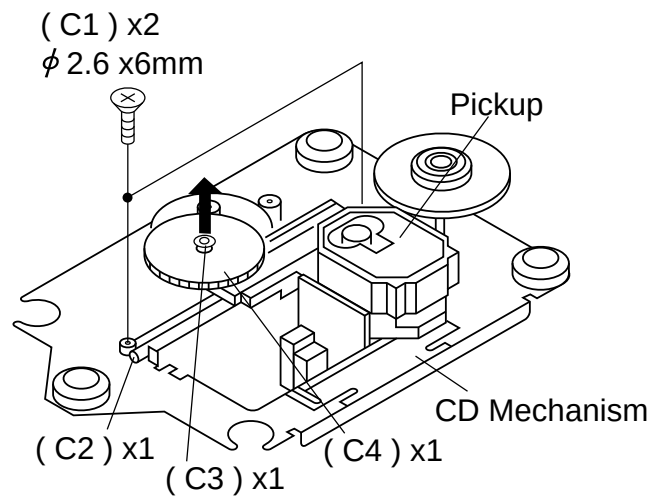


Figure 9-3

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

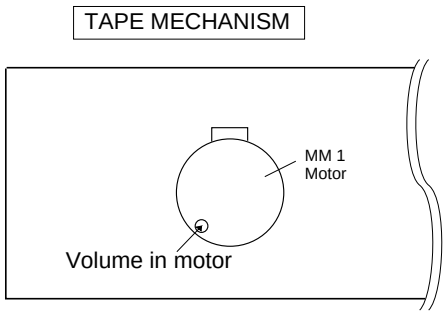
Torque Meter	Specified Value
Play: TW-2412	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 60 g. cm	30 to 60 g.cm
Fast forward: TW-2231	—	60 to 120 g.cm
Rewind: TW-2231	—	60 to 120 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Tape speed	MTT-111	Volume in motor.	3,000 ± 30 Hz	Speaker terminal (Load resistance: 8 ohms)



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
IF	450 kHz	990 kHz	T351	*1
Band Coverage	—	522 kHz	(fL): T302 1.1 ± 0.1 V	*2
Tracking	990 kHz	990 kHz	T302	*1

*1. Input: Antenna, Output: Speaker Terminal

*2. Input: Input is not connected, Output: TP301

• Setting the Test Mode

Keeping the TUNING (DOWN) button and MEMORY button pressed, turn on POWER. Then, the frequency is initially set in the memory as shown in Table. Call it with the PRESET button to use it for adjustment and check of tuner circuit.

Preset No.	FM	Preset No.	AM
1	87.50 MHz	6	522 kHz
2	108.00 MHz	7	1,620 kHz
3	90.00 MHz	8	603 kHz
4	106.00 MHz	9	1,404 kHz
5	98.00 MHz	10	990 kHz
11 ~ 40	—		

• FM Mute Level

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

Frequency	Frequency Display	Adjusting Parts	Instrument Connection
98.00 MHz (25 dBμV)	98.00 MHz	VR351 *1	Input: SO301 Output: Speaker Terminal

*1. Adjust so that an output signal appears

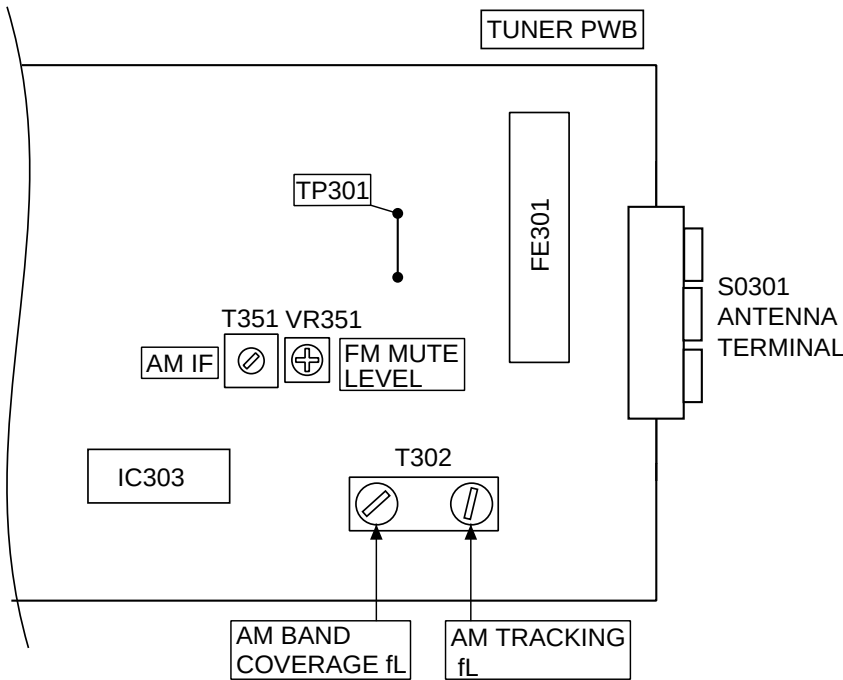


Figure 10-1 ADJUSTMENT POINTS

TEST MODE

• Setting the test mode

Any one of test mode can be set by pressing several keys as follows.

<REC. PAUSE> + <DISC. SKIP> + <POWER> TEST: CD operation test

• TEST mode

Function — CD test mode

Setting of TEST mode

Indication of CD TST mode (Fig. 11-1)

OPEN/CLOSE operation is manual operation.

The pickup can be moved by using the (▶▶) or (◀◀) key.

IL is not performed.

<MEMORY> LASER ON — <MEMORY> Tracking on the spot. SERVO OFF PLAY — <MEMORY> Tracking on the spot. SERVO ON PLAY — <STOP> STOP

<PLAY> key input — TOC. IL is performed, and the ordinary PLAY is performed. — Press <STOP> key. — Stop
If the following key is pressed during PLAY, it is possible to specify directly any Track No.
<Disc Number 1> key: Track 4
<Disc Number 2> key: Track 9
<Disc Number 3> key: Track 15

Note:

Only in STOP state it is possible to slide the pickup with the (▶▶) or (◀◀) key.

VOL. --- Last memory

BAL. --- CENTER

R.GEQ. --- FLAT

X-BAS --- OFF

Canceling method - POWER OFF

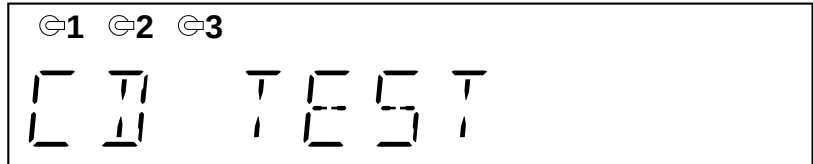


Figure 11-1

CD SECTION

Since this CD system incorporates the following automatic adjustment function, when the pickup is replaced, it is not necessary to readjust it.

Since this CD unit does not need adjustment, the combination of PWB and laser pickup unit is not restricted.

• Automatic adjustment item

1. Focus offset (Fig. 11-2)
2. Tracking offset (Fig. 11-3)
3. E/F balance (tracking error balance) (Fig. 11-4)
4. RF level AGC function (HF level: constant)
5. RF level automatic follow-up of the tracking gain

This automatic adjustment is performed each time a disc is changed. Therefore, each disc is played back using the optimal settings.

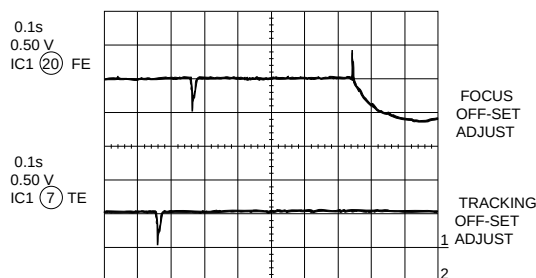


Figure 11-2

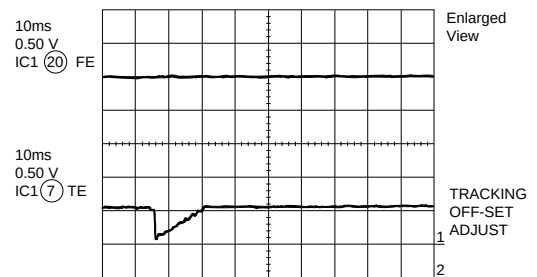


Figure 11-3

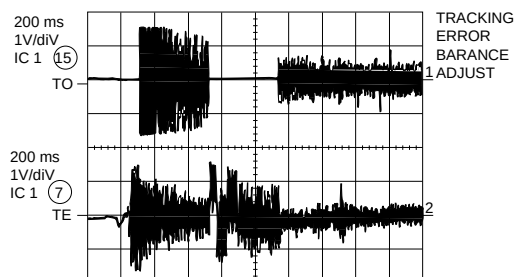


Figure 11-4

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	MECHA UP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW301	SPAN SELECTOR	50/9-100/10
SW701	RANDOM/DEMO	ON—OFF
SW702	VOLUME DOWN	ON—OFF
SW703	X-BASS	ON—OFF
SW704	VOLUME UP	ON—OFF
SW705	OPEN/CLOSE	ON—OFF
SW706	DISC SKIP	ON—OFF
SW709	REC./PAUSE	ON—OFF
SW710	UP	ON—OFF
SW711	STOP	ON—OFF
SW712	PLAY	ON—OFF
SW713	DOWN	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW714	TUNING UP	ON—OFF
SW715	TUNING DOWN	ON—OFF
SW717	POWER	ON—OFF
SW718	CLOCK	ON—OFF
SW719	TIMER/SLEEP	ON—OFF
SW721	MEMORY/SET	ON—OFF
SW722	CD	ON—OFF
SW723	TUNER	ON—OFF
SW724	TAPE	ON—OFF
SW725	AUX	ON—OFF
SW961	AC VOLTAGE SELECTOR	110—127— 220—230-240
SWM 3	FOOL PROOF	ON—OFF
SWM 4	F.A.S.	ON—OFF
SWM 5	CAM	ON—OFF

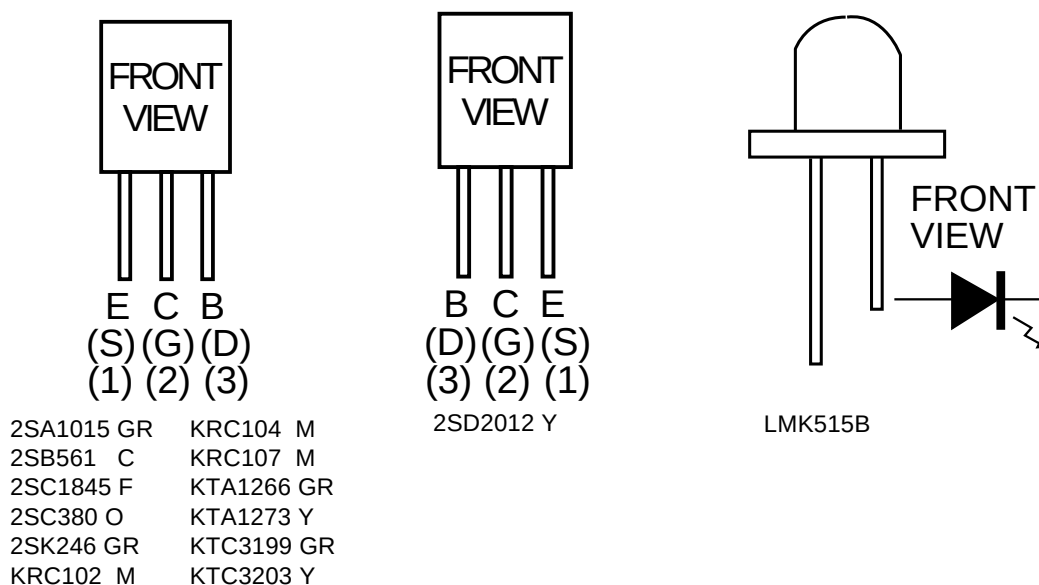


Figure 12 TYPES OF TRANSISTOR AND LED

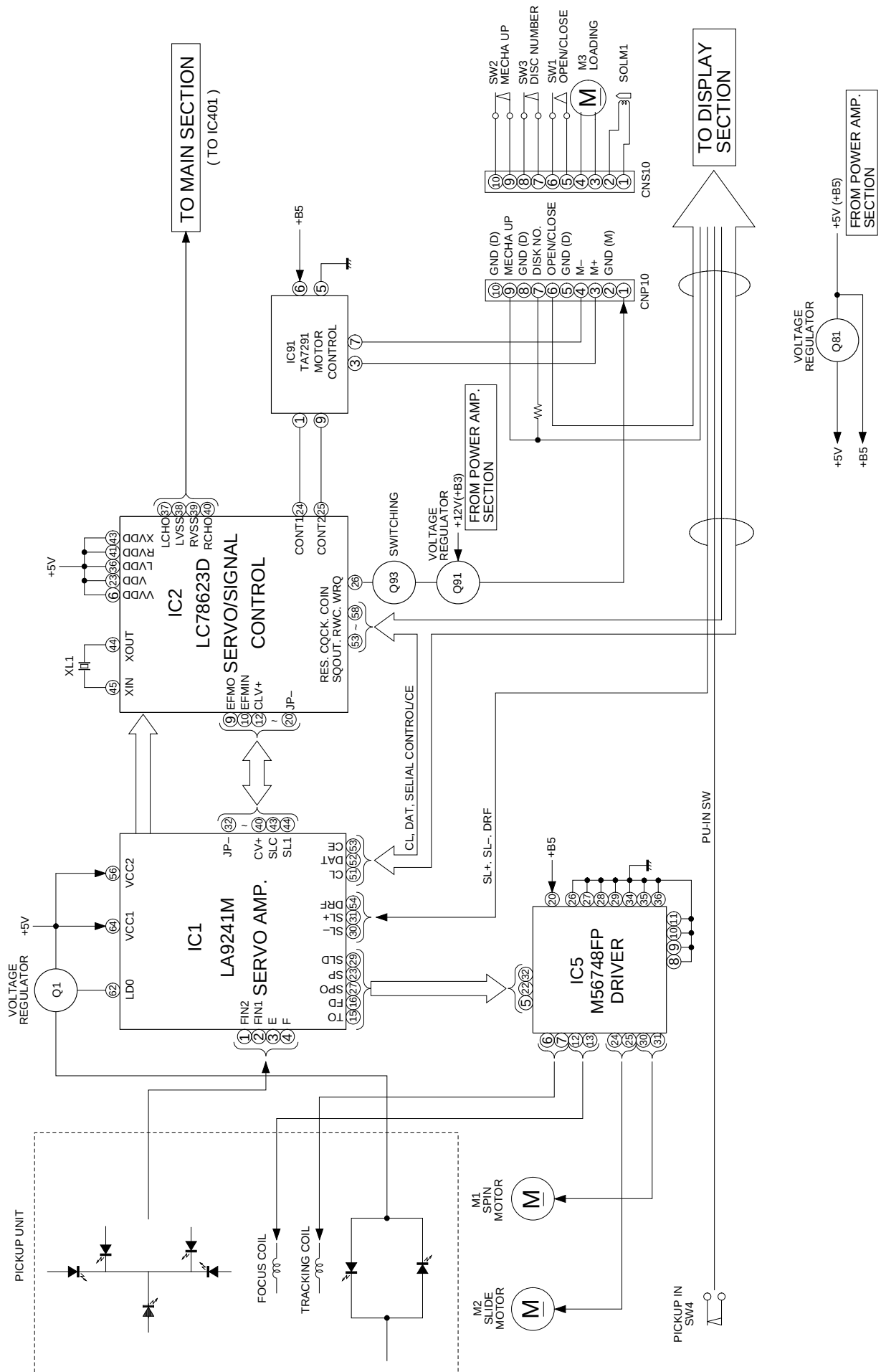


Figure 13 BLOCK DIAGRAM (1/3)

CD-C410W/C415W/C420W,CP-C410/C415/SR410

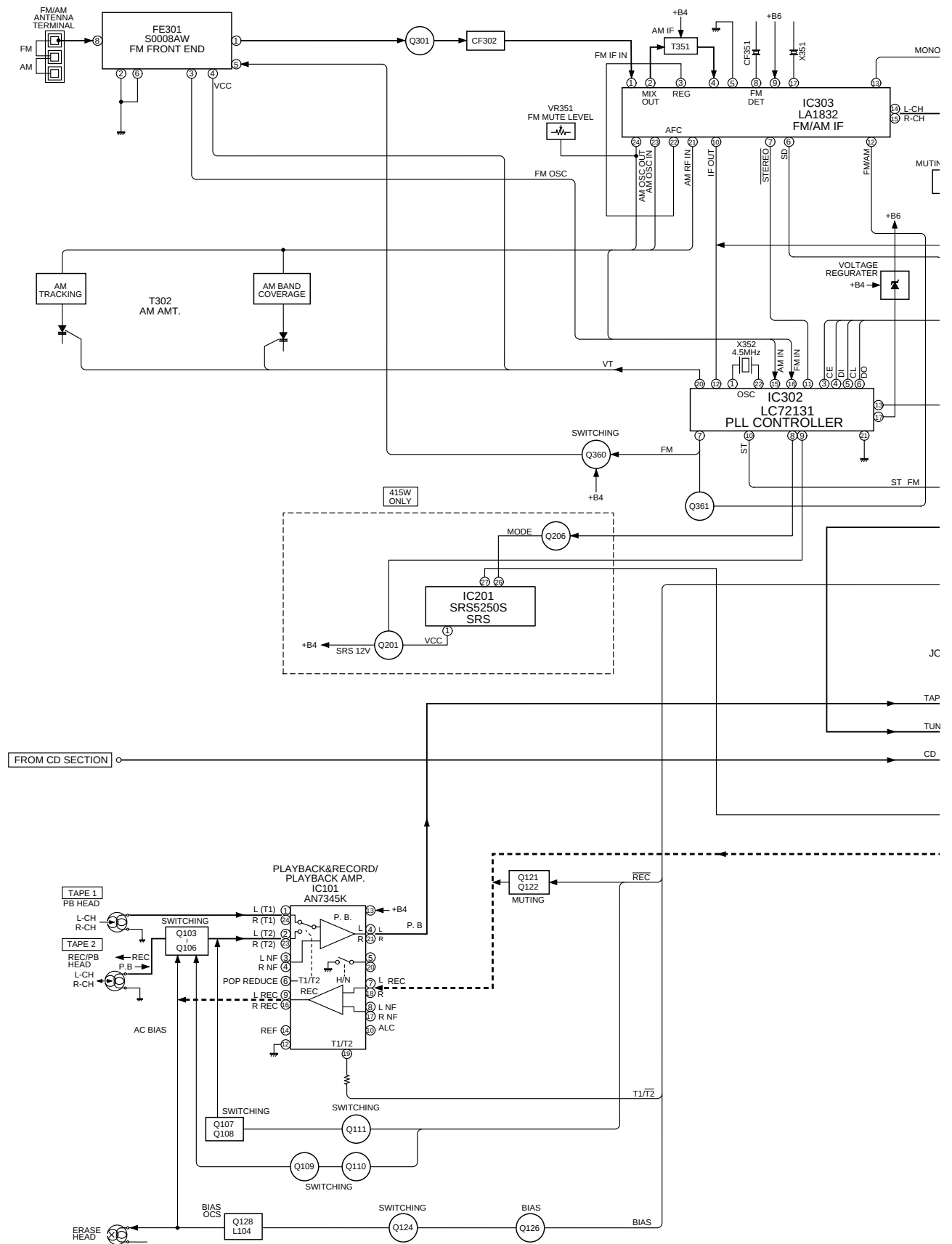


Figure 14 BLOCK DIAGRAM (2/3)

CD-C410W/C415W/C420W,CP-C410/C415/SR410

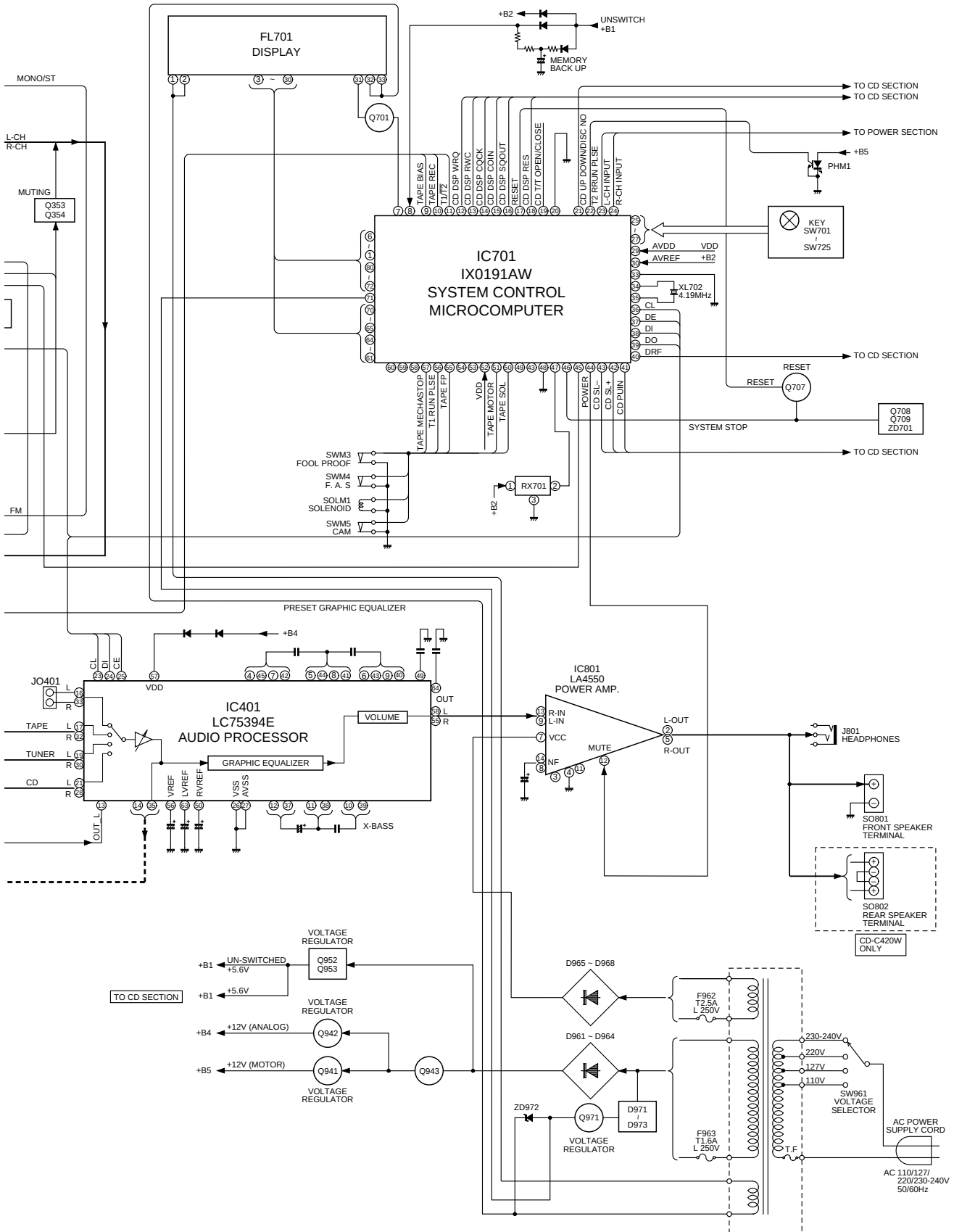


Figure 15 BLOCK DIAGRAM (3/3)

A
B
C
D
E
F
G
H

TO TAPE MECHANISM PWB

CNPM1

P18 1-B



DISPLAY PWB-A2

HEADPHONES PWB-A3

TO TAPE MECHANISM

- The numbers 1 to 12 are waveform numbers shown in page 31.

- 16 -

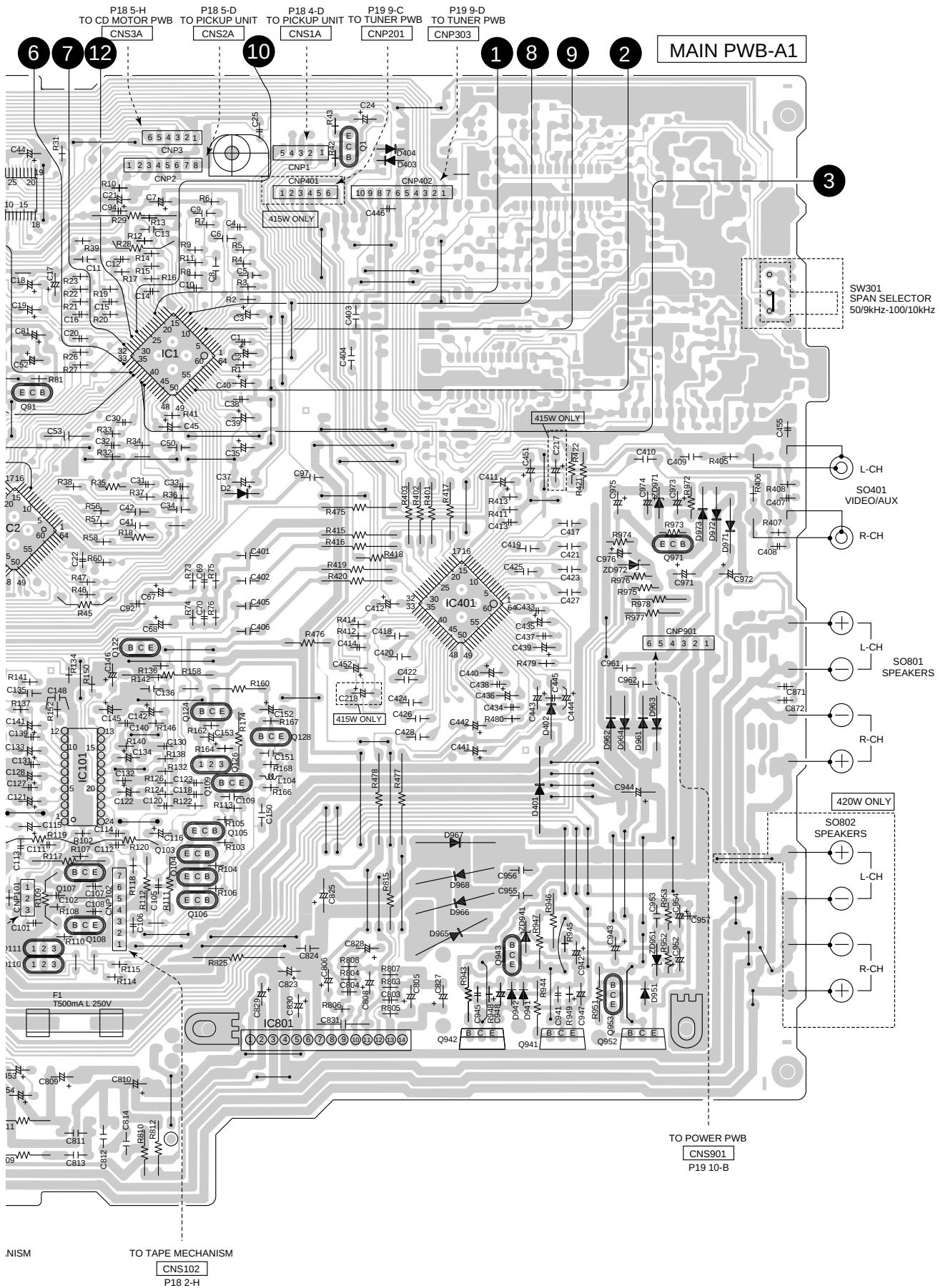


Figure 17 WIRING SIDE OF P.W.BOARD (2/4)

- 18 -

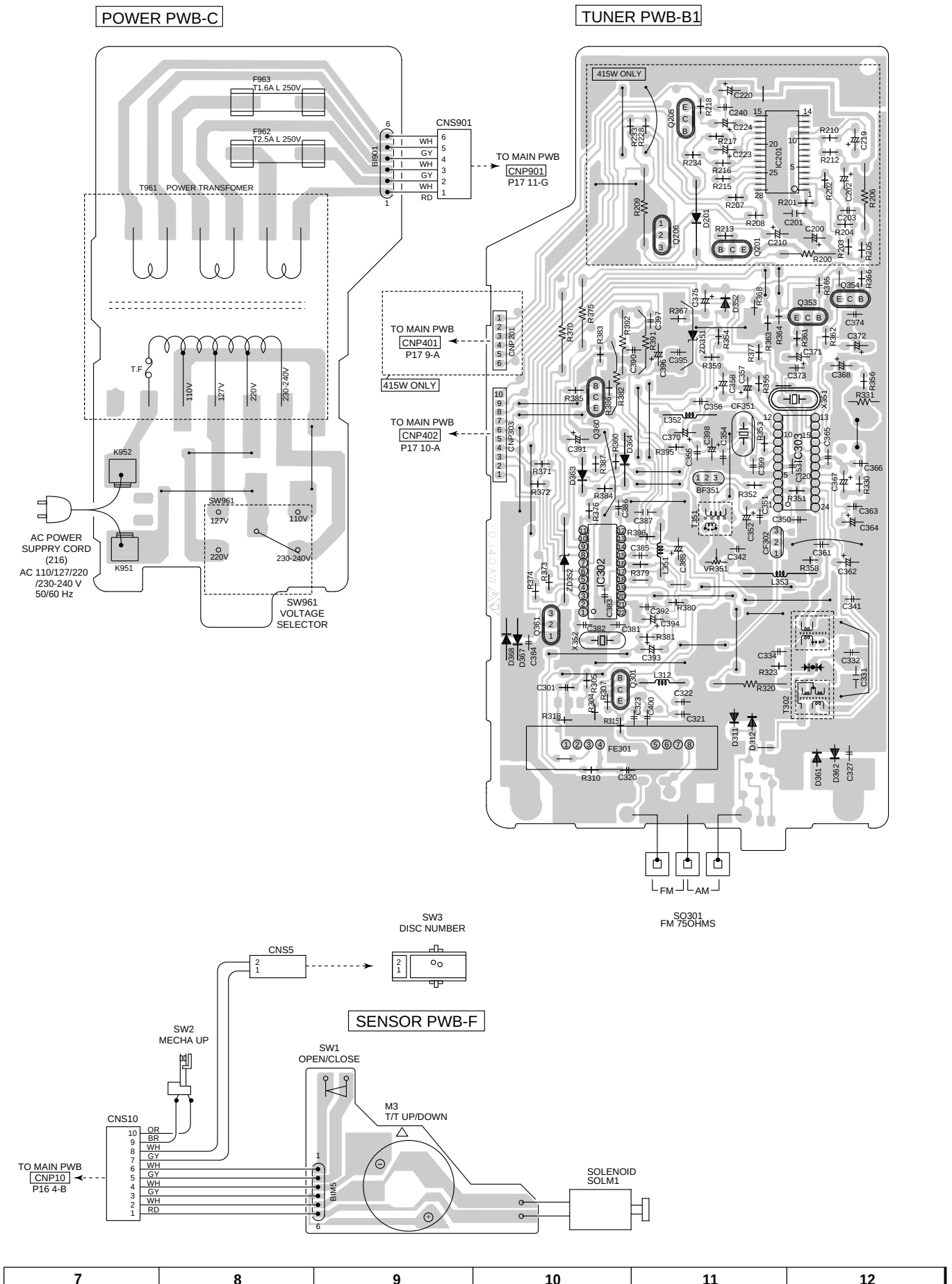


Figure 19 WIRING SIDE OF P.W.BOARD (4/4)

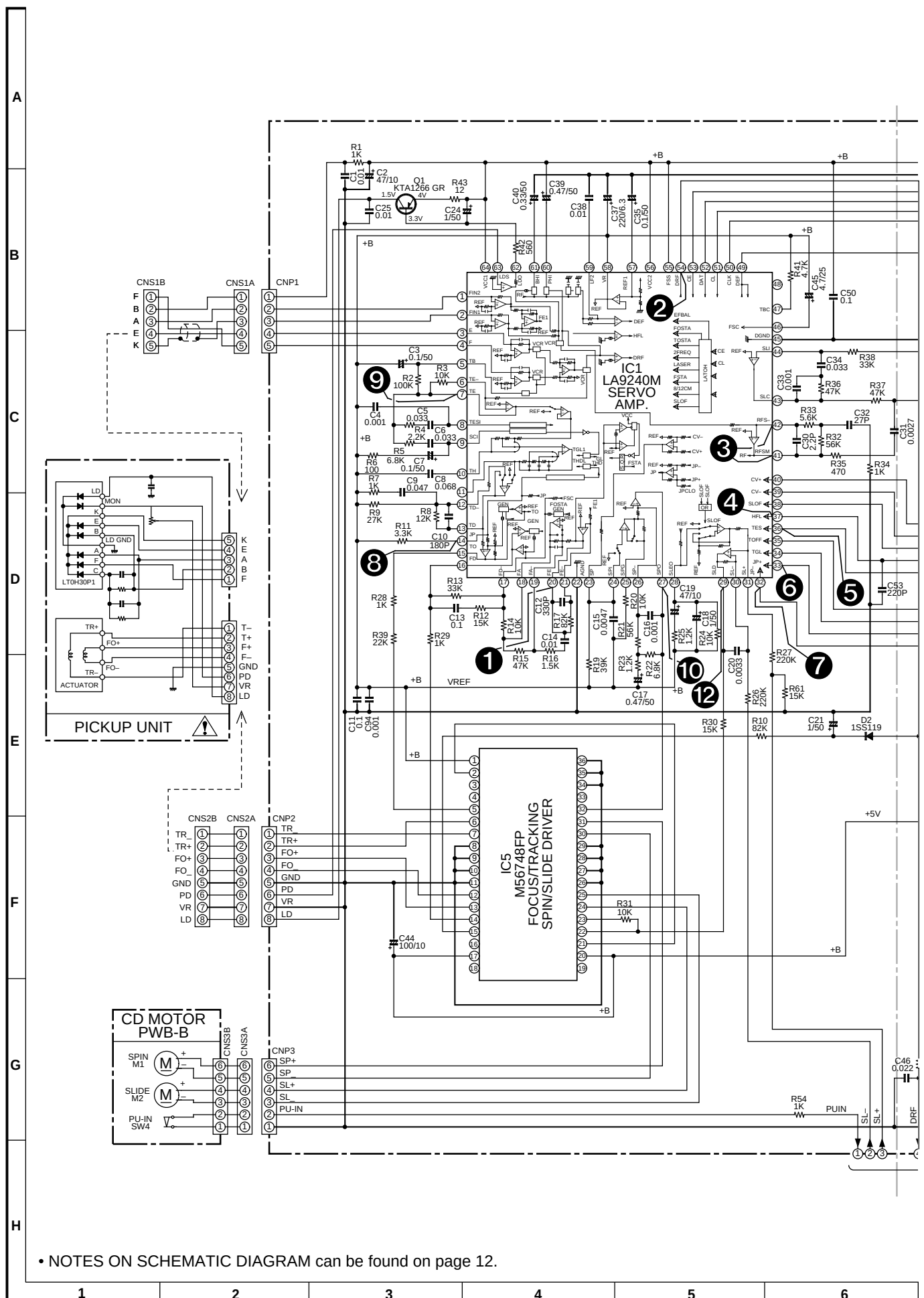
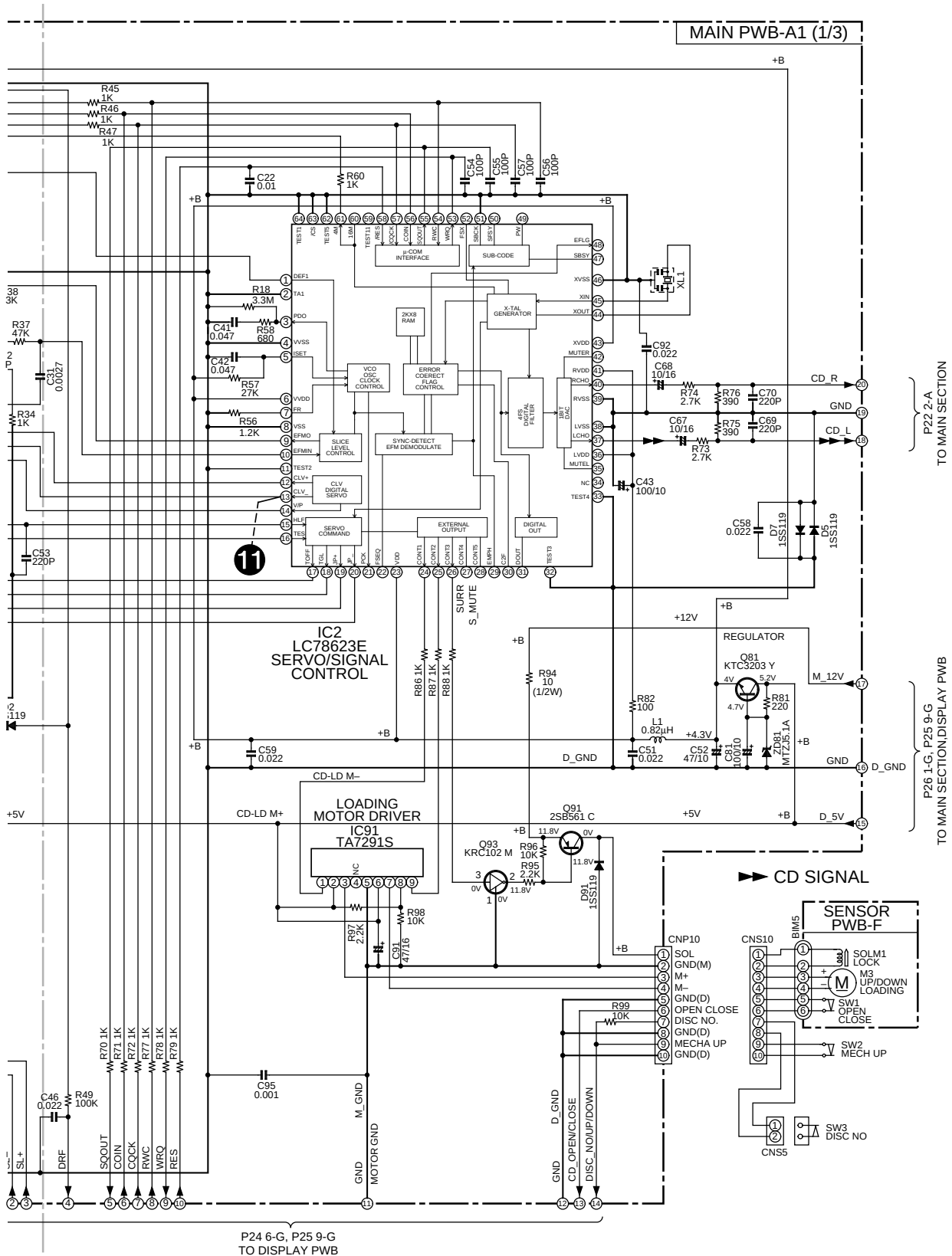


Figure 20 SCHEMATIC DIAGRAM (1/10)



• The numbers 1 to 12 are waveform numbers shown in page 31.

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

Figure 21 SCHEMATIC DIAGRAM (2/10)

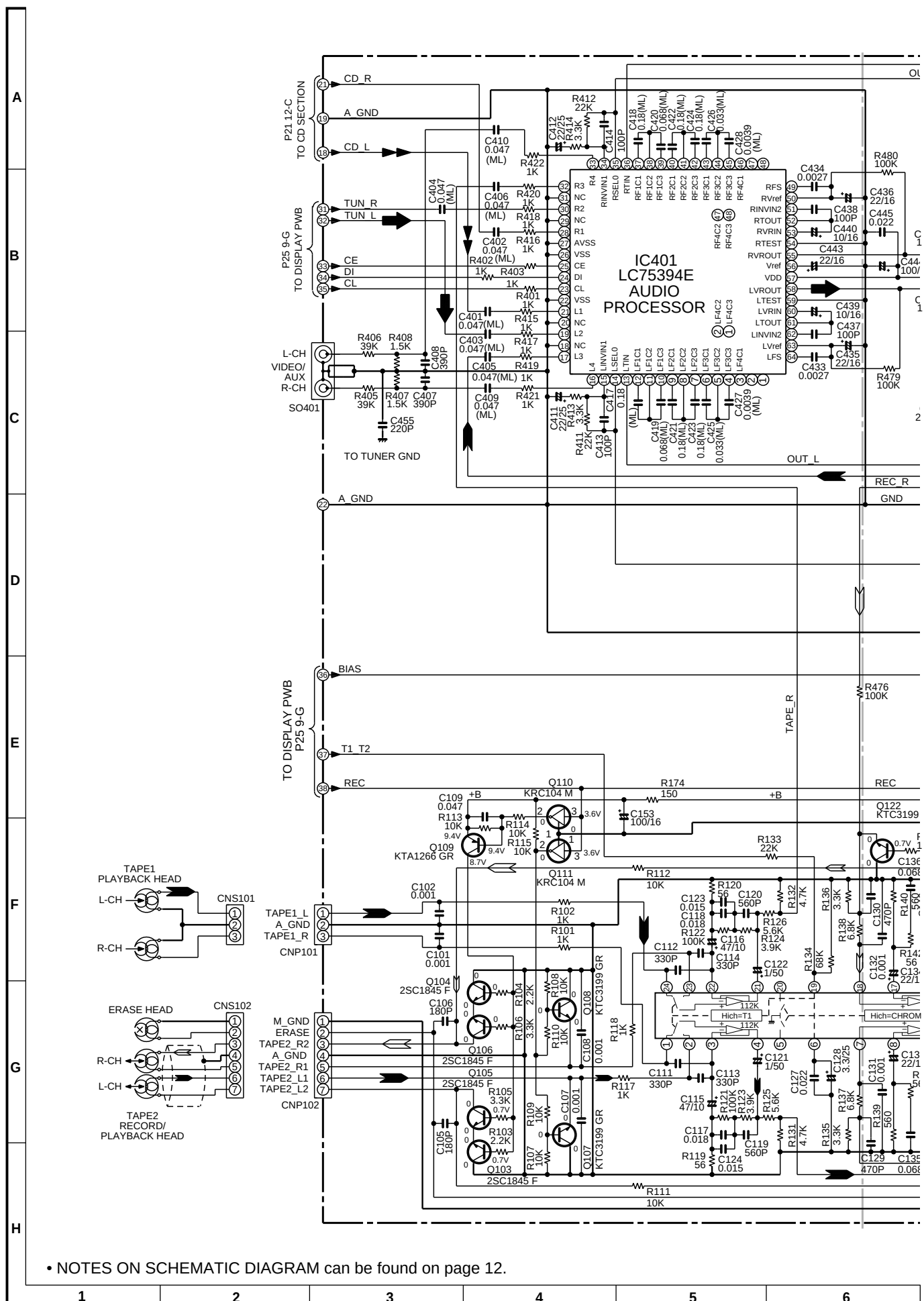


Figure 22 SCHEMATIC DIAGRAM (3/10)

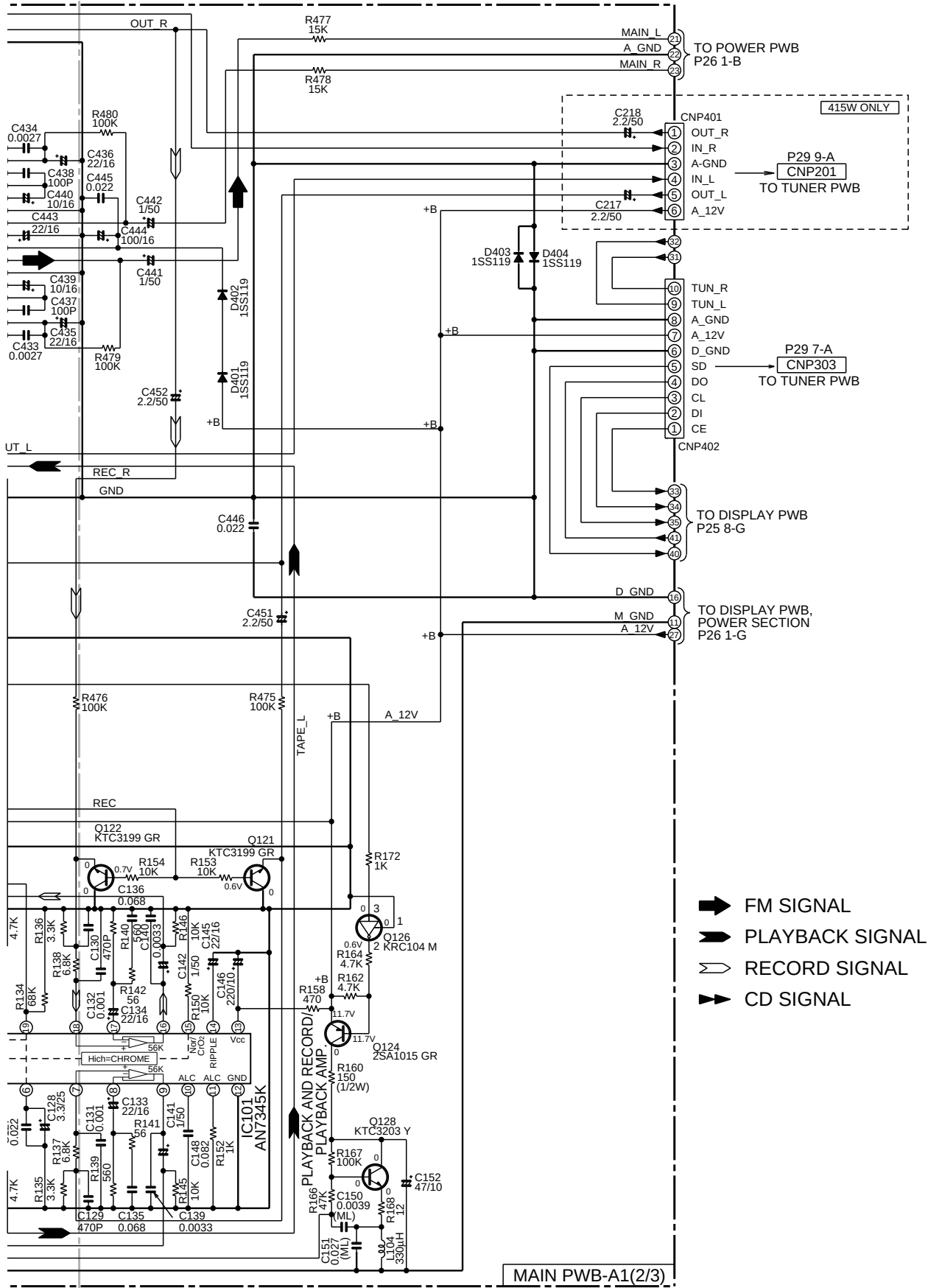


Figure 23 SCHEMATIC DIAGRAM (4/10)

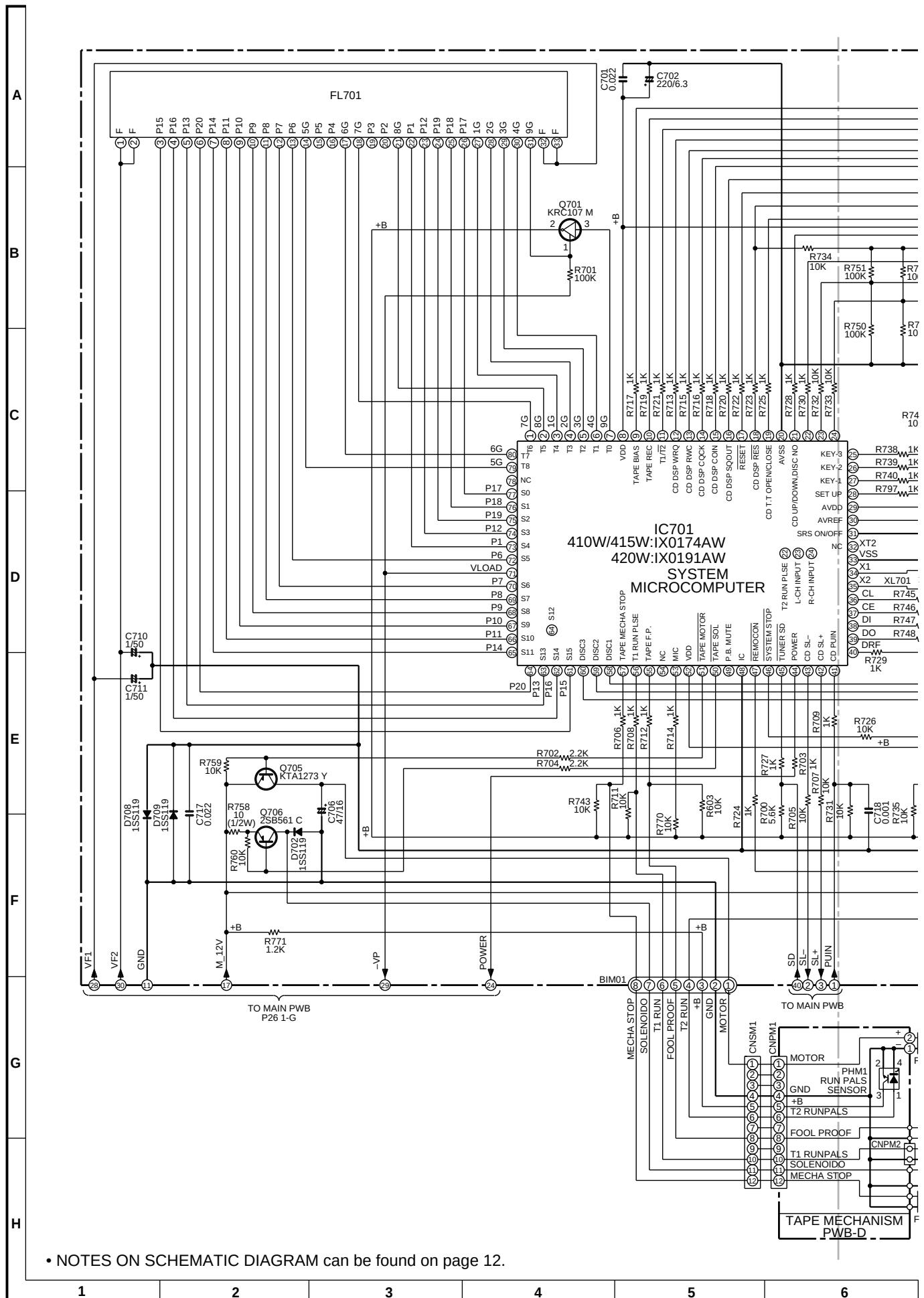


Figure 24 SCHEMATIC DIAGRAM (5/10)

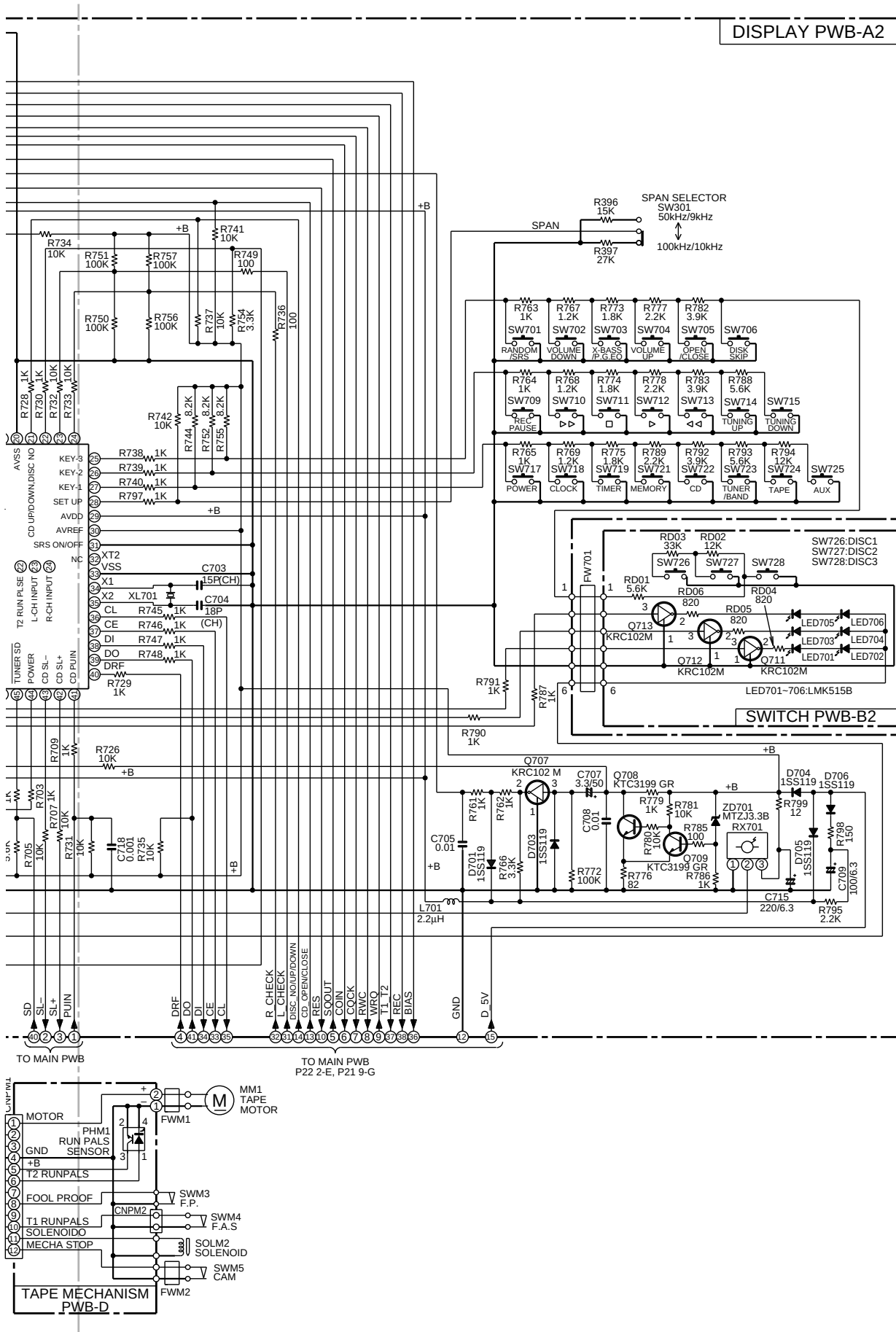


Figure 25 SCHEMATIC DIAGRAM (6/10)



- 26 -

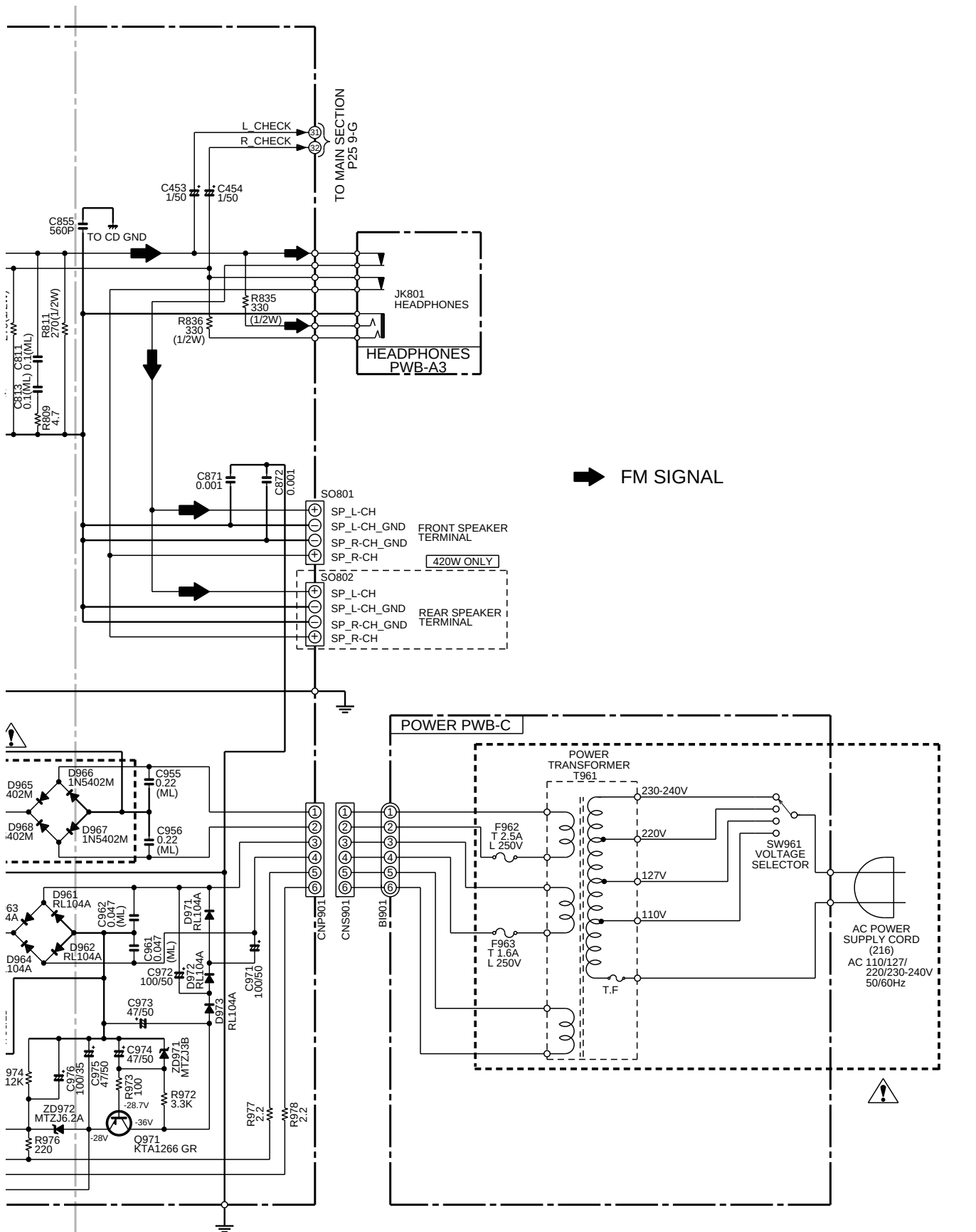


Figure 27 SCHEMATIC DIAGRAM (8/10)

- 28 -



VOLTAGE

IC1	
PIN NO.	VOLTAGE
1	2V
2	2V
3	2.1V
4	2.1V
5	2V
6	2V
7	2V
8	2V
9	2V
10	2V
11	2V
12	2V
13	2V
14	2V
15	2V
16	2V
17	2V
18	2V
19	2V
20	2V
21	2V
22	0V
23	2V
24	2V
25	2V
26	2V
27	2V
28	2V
29	2V
30	1.8V
31	1.8V
32	0V
33	0V
34	4V
35	4V
36	0V
37	0V
38	4V
39	0V
40	0V
41	0.3V
42	2V
43	2.1V
44	2.1V
45	0V
46	2V
47	2V
48	0V
49	0V
50	2V
51	4V
52	4V
53	0V
54	4V
55	4V
56	4V
57	2.1V
58	2.1V
59	0V
60	0V
61	2V
62	3.4V
63	0V
64	4V

IC2	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	0V
5	1.8V
6	4V
7	0V
8	0V
9	2V
10	2V
11	0V
12	0V
13	0V
14	4V
15	0V
16	0V
17	4V
18	4V
19	0V
20	0V
21	2V
22	0V
23	4V
24	0V
25	0V
26	0V
27	0V
28	0V
29	0V
30	4V
31	2V
32	0V
33	0V
34	0V
35	4V
36	3.8V
37	1.7V
38	0V
39	0V
40	1.7V
41	4V
42	4V
43	4V
44	1.8V
45	1.7V
46	0V
47	0V
48	1.8V
49	0V
50	2V
51	0V
52	2V
53	0V
54	0V
55	0V
56	4.4V
57	4.4V
58	4.4V
59	0V
60	1.6V
61	2V
62	0V
63	0V
64	0V

IC5	
PIN NO.	VOLTAGE
1	2V
2	2V
3	0V
4	2V
5	2V
6	2.2V
7	2.2V
8	0V
9	0V
10	0V
11	0V
12	0V
13	2.2V
14	0V
15	2V
16	0V
17	0V
18	0V
19	0.7V
20	5.2V
21	2V
22	2V
23	2V
24	2V
25	2.2V
26	0V
27	0V
28	0V
29	0V
30	2.2V
31	2.2V
32	2V
33	2V
34	0V
35	0V
36	0V

IC91	
PIN NO.	VOLTAGE
1	0V
2	5.1V
3	0.1V
4	0V
5	0V
6	5.1V
7	0V
8	4.2V
9	0V

IC101	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0.6V
4	3V
5	0V
6	1.3V
7	0V
8	0.6V
9	3V
10	3V
11	0V
12	0V
13	6V
14	3.7V
15	0V
16	3V
17	0.6V
18	0V
19	0.8V
20	0V
21	3V
22	0.6V
23	0V
24	0V

FE301	
PIN NO.	VOLTAGE
1	0V
2	0V
3	2.5V
4	1.8V
5	6V
6	0V
7	0V
8	0V

IC302	
PIN NO.	VOLTAGE
1	2.4V(2.6V)
2	0V(0V)
3	0V(0V)
4	0V(4.3V)
5	0V(0V)
6	4.5V(4.4V)
7	0.2V(3.5V)
8	4.3V(4V)
9	10.5V(9.8V)
10	4V(0V)
11	4.6V(5.2V)
12	0V(0V)
13	4V(0.2V)
14	0V(0V)
15	0V(2.5V)
16	2.3V(0V)
17	4.9V(5.0V)
18	0.9V(0.9V)
19	0.9V(0.9V)
20	2.4V(1.1V)
21	0V(0V)
22	2.5V(2.8V)

IC303	
PIN NO.	VOLTAGE
1	2.13V(2.14V)
2	4.6V(5V)
3	2.1V(2.1V)
4	2.1V(2.1V)
5	0V(0V)
6	4.5V(4.4V)
7	4.8V(5.2V)
8	2.5V(3.5V)
9	4.6V(5.1V)
10	0V(0V)
11	3.4V(2V)
12	3.4V(1.2V)
13	3.6V(2.0V)<2V>
14	1.3V(1.4V)
15	1.3V(1.4V)
16	2.1V(2.1V)
17	2.5V(0V)
18	2.4V(1.1V)
19	0V(2V)
20	1.5V(1.1V)
21	2.4V(2.1V)
22	2.4V(2.1V)
23	4.6V(5.1V)
24	3V(3.6V)

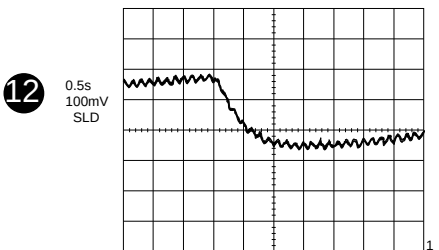
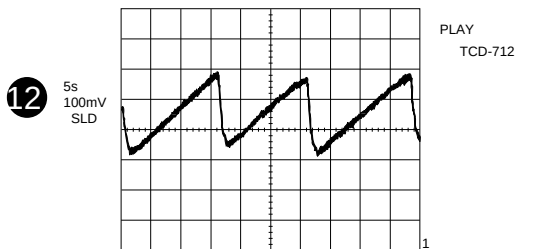
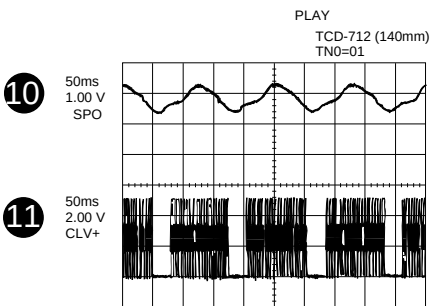
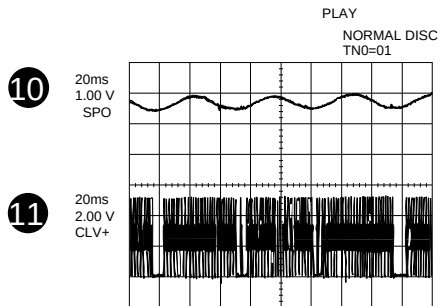
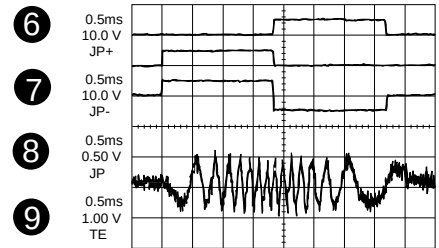
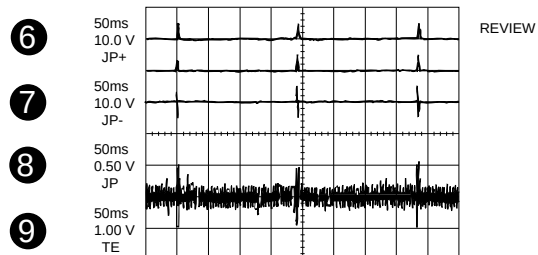
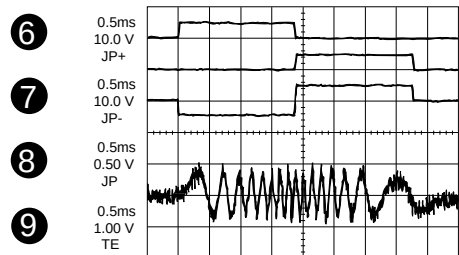
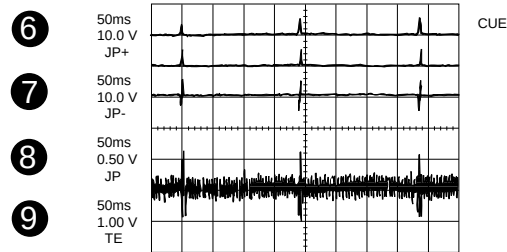
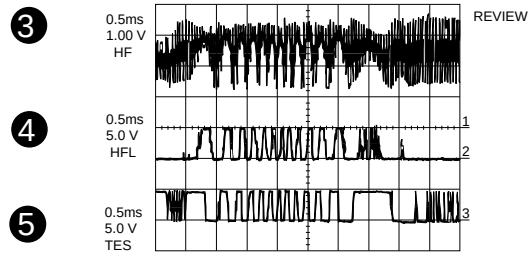
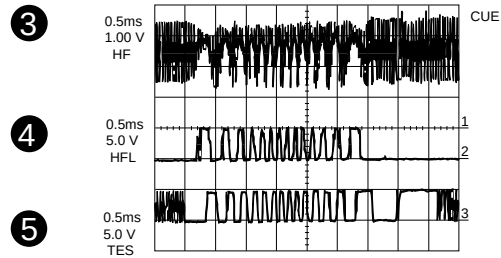
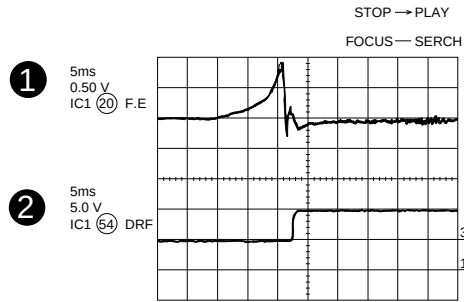
IC201	
PIN NO.	VOLTAGE
1	9.8V
2	4.9V
3	4.9V
4	4.9V
5	4.9V
6	4.9V
7	4.9V
8	9V
9	4.9V
10	4.9V
11	4.9V
12	4.9V
13	4.9V
14	4.9V
15	0V
16	4.9V
17	4.9V
18	4.9V
19	4.9V
20	4.9V
21	4.9V
22	4.9V
23	4.9V
24	4.9V
25	4.9V
26	4.9V
27	4.9V
28	4.9V

IC401	
PIN NO.	VOLTAGE
1	5V
2	5V
3	5V
4	5V
5	5V
6	5V
7	5V
8	5V
9	5V
10	5V
11	5V
12	5V
13	5V
14	5V
15	5.1V
16	4.7V
17	4.7V
18	0V
19	4.7V
20	0V
21	4.7V
22	0V
23	0V
24	4.4V
25	0V
26	0V
27	0V
28	4.7V
29	0V
30	4.7V
31	0V
32	4.7V
33	4.7V
34	5.1V
35	5.1V
36	5.1V
37	5.1V
38	5.1V
39	5.1V
40	5.1V
41	5.1V
42	5.1V
43	5.1V
44	5.1V
45	5.1V
46	5.1V
47	5.1V
48	5V
49	5.1V
50	5.1V
51	5.1V
52	5.1V
53	5.1V
54	0V
55	5.1V
56	5.1V
57	10.2V
58	5.1V
59	0V
60	5.1V
61	5.1V
62	5.1V
63	5.1V
64	5.1V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	-24.7V	41	0.41V
2	-24.7V	42	0V
3	-24.7V	43	0V
4	-24.7V	44	4.4V
5	-24.7V	45	0V
6	-24.7V	46	4.4V
7	-24.7V	47	4.4V
8	4.4V	48	0V
9	0V	49	2.7V
10	4.4V	50	11.7V
11	4.4V	51	11.7V
12	0.24V	52	4.4V
13	0V	53	4.4V
14	4.4V	54	4.4V
15	4.4V	55	0V
16	0.12V	56	0V
17	0V	57	4.4V
18	4.4V	58	0V
19	0V	59	0V
20	0V	60	0V
21	0V	61	-21.2V
22	3.8V	62	-18V
23	0V	63	-11.5V
24	0V	64	-27.8V
25	4.4V	65	-24.5V
26	4.4V	66	-14.8V
27	4.4V	67	-24.5V
28	0.6V	68	-21.2V
29	4.4V	69	-27.8V
30	0V	70	-18V
31	4.4V	71	-28V
32	0V	72	-11.5V
33	2V	73	-24.4V
34	2V	74	-24.4V
35	0V	75	14.7V
36	0V	76	-27.8V
37	0V	77	-24.4V
38	4.4V	78	-27.8V
39	4.4V	79	-27.8V
40	0V	80	-24.8V

IC801	
PIN NO.	VOLTAGE
1	24.7V
2	14.19V
3	0V
4	0V
5	14.05V
6	24.8V
7	27.8V
8	1.24V
9	5.3mV
10	26.7V
11	0V
12	2.25V
13	5.2mV
14	1.23V

WAVEFORMS OF CD CIRCUIT



TROUBLESHOOTING (CD SECTION)

When the CD does not function

When the CD section does not operate When the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the troubleshooting instructions.

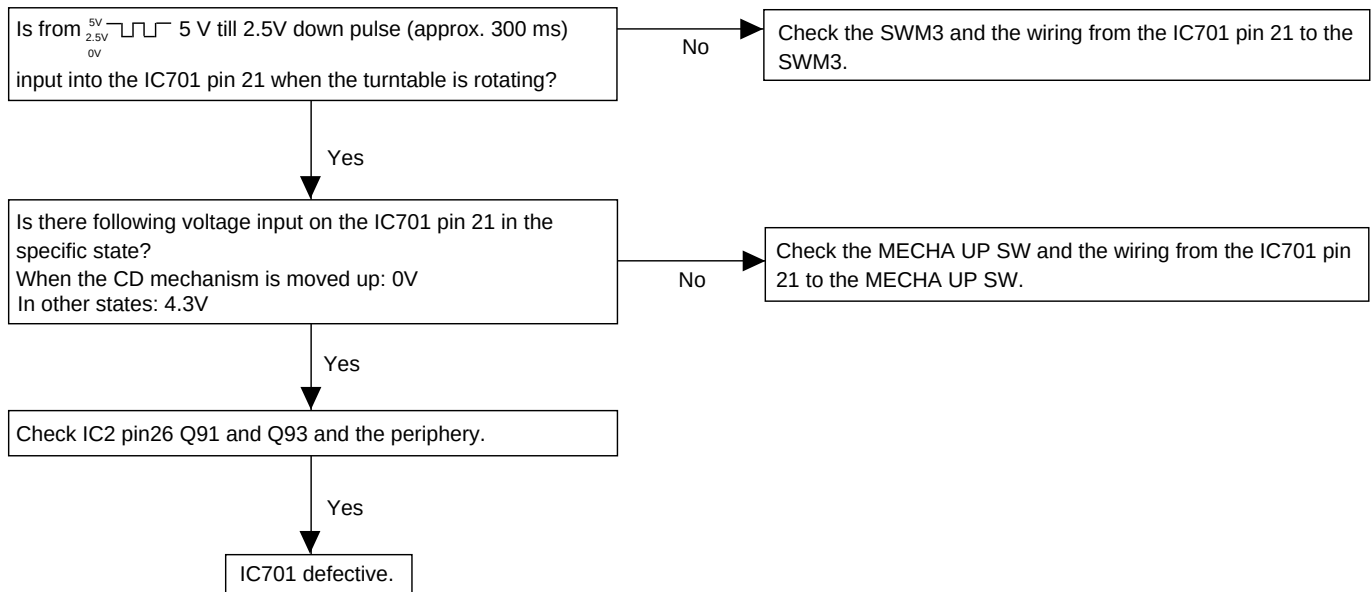
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust or other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

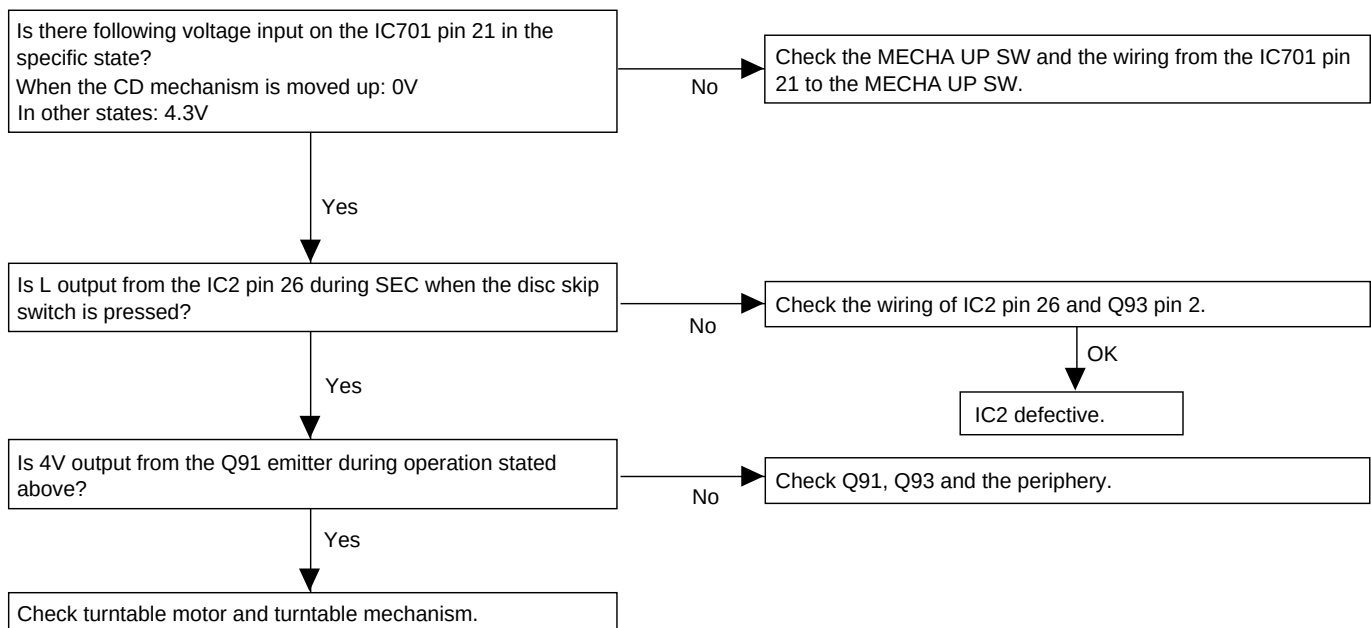
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

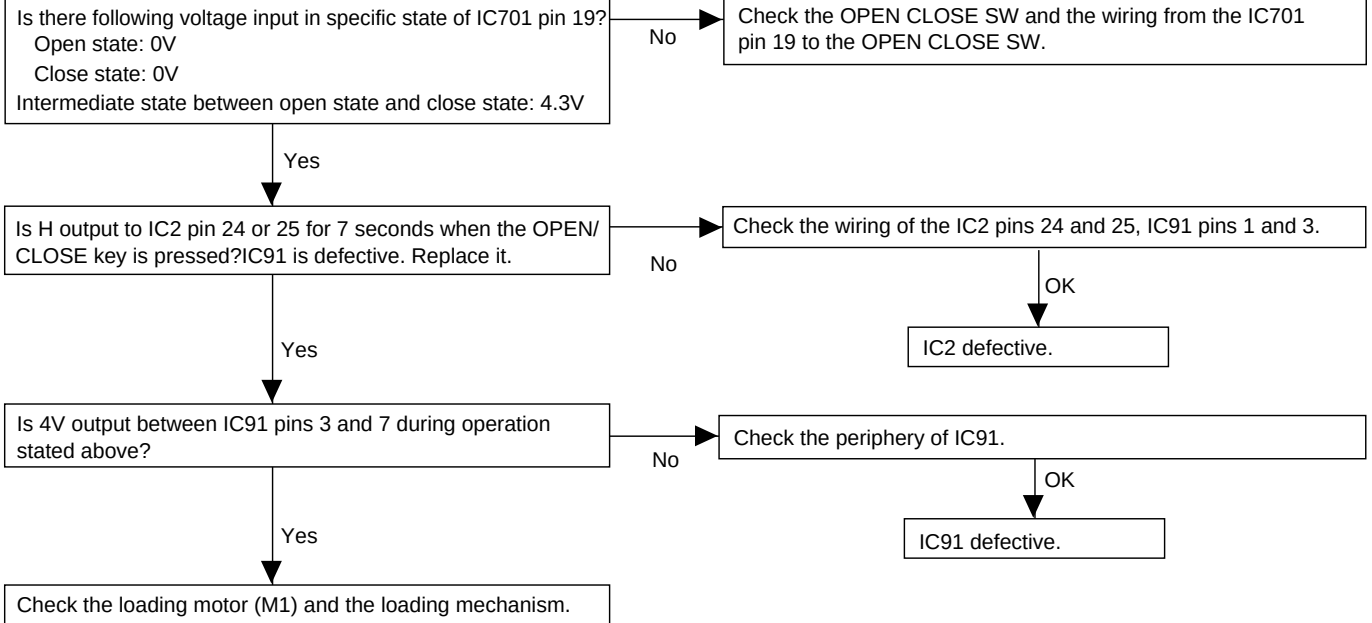
• When the turntable fails to stop.



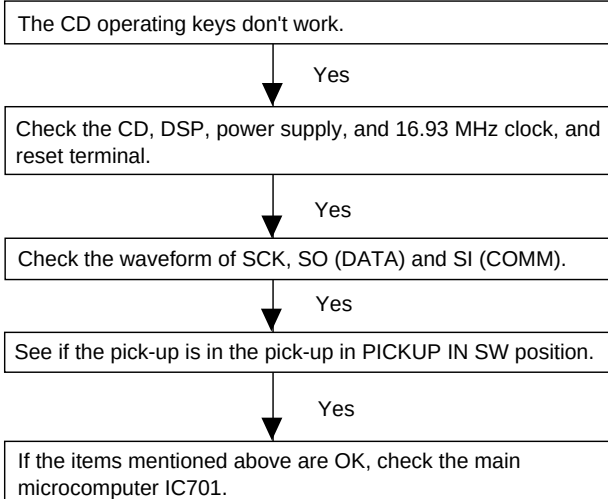
• When turntable fails to move.



• When the CD tray fails to open or close.



• The CD function will not work.



• The CD operating keys work.

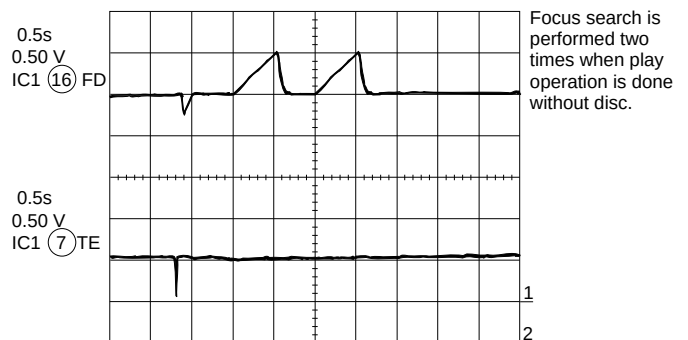
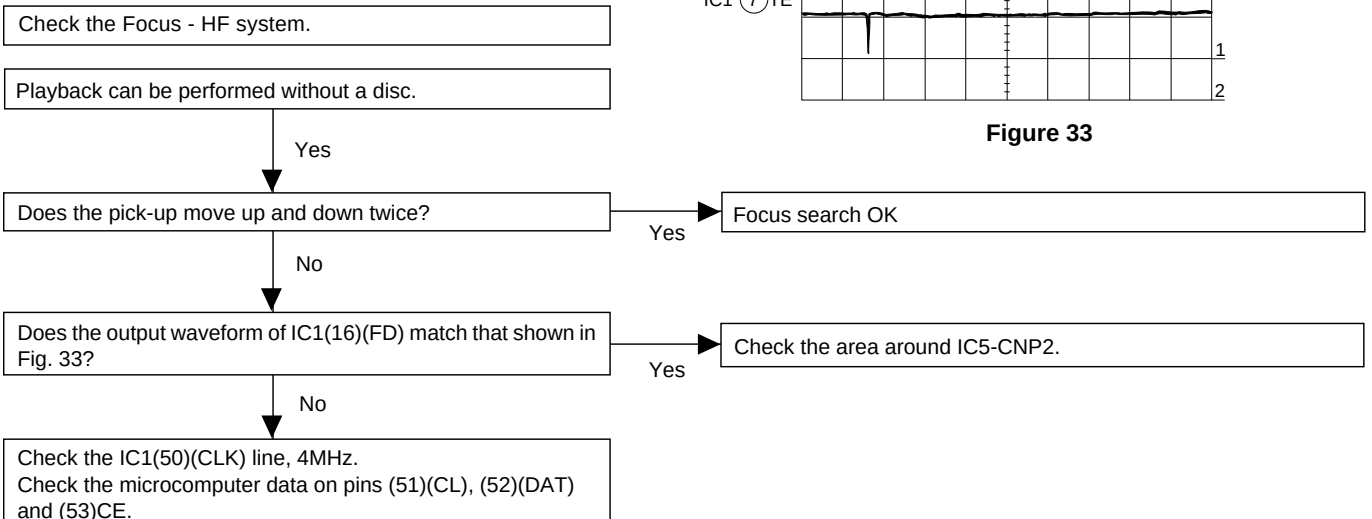
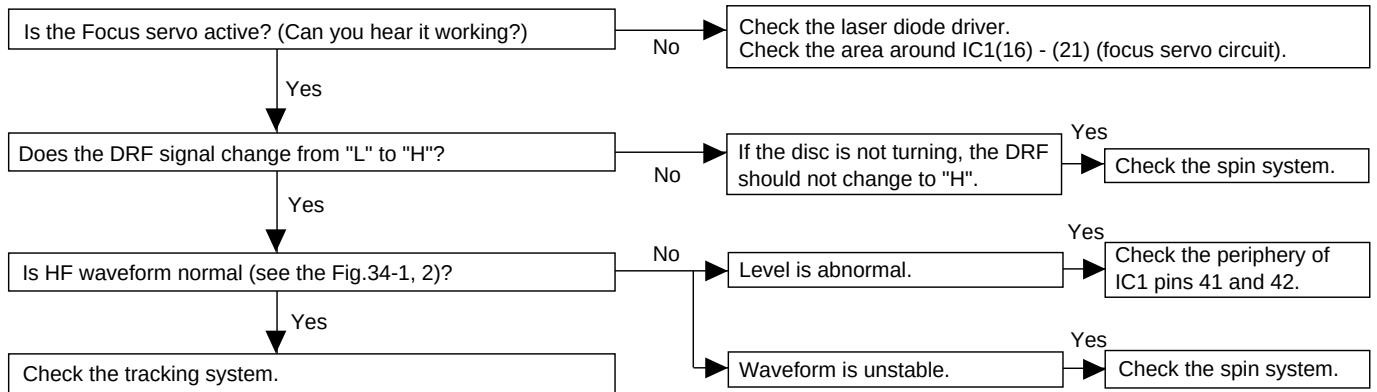


Figure 33

- Playback can only be performed when a disc is loaded.



HF
1.0V/DIV
0.5μsec/DIV(DC)
(When playing back the disc)

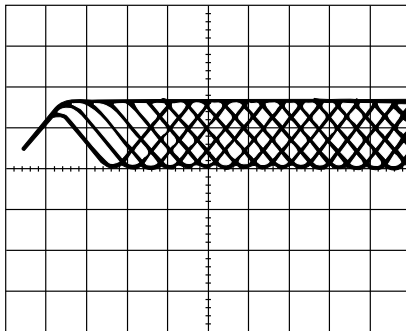


Figure 34-1

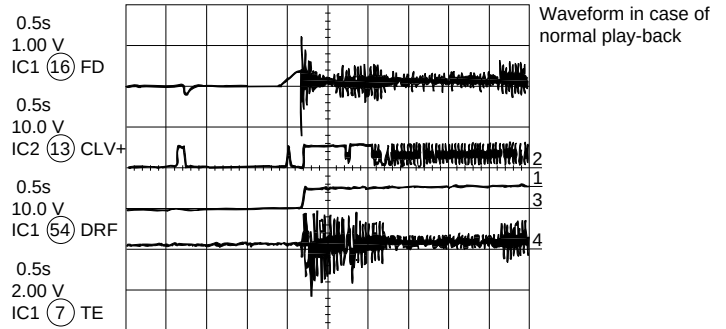


Figure 34-2

- Check the tracking system.

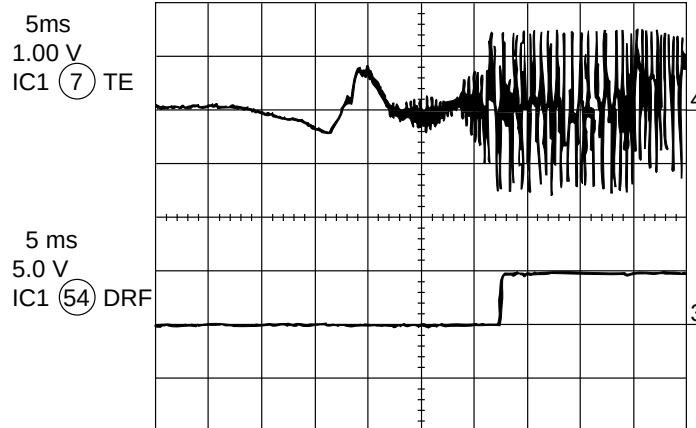
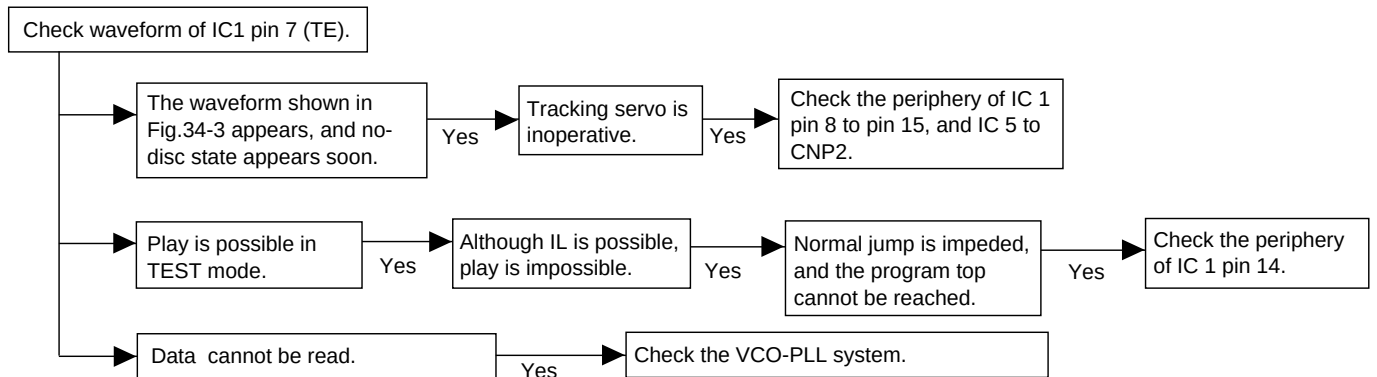


Figure 34-3

• **Checking the spin system.**

Play operation is performed without disc.

Yes

The turntable rotates a little.

Yes

The spin driver circuit is normal.

No

The turntable fails to rotate or rotates at high speed.

Yes

Check the periphery of IC1 pins 23 to 27, pin 39, and pin 40, IC2 pin 12 and pin 13, IC5 to CNP3.

• **Checking the VCO-PLL system**

Play operation is performed when disc exits.

Yes

Although HF waveform is normal, TOC data cannot be read.

Yes

Check PDO waveform (Fig. 35).

Abnormal

Check the IC1 pins 43 and 44, IC2 pins 3, 5, 7, 10, and 11.

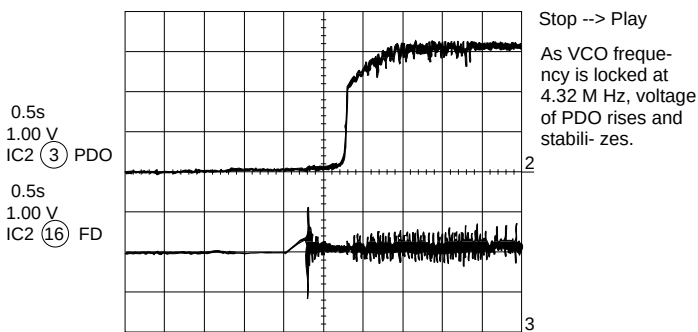


Figure 35

• **Although HF waveform is normal and the time indication is normal, no sound is emitted.**

Check IC 2 pin 48 (EFLG).

No

Usually, the number of pulses of flawless disc is 100 pulses/sec or less.

Yes

Check IC2 pins 37, 40.

Abnormal

Check IC 401 and POWER AMP IC 801.

FUNCTION TABLE OF IC

IC2 VHiLC78622U-1:Servo/Signal Control(LC78622U) (1/2)

Pin No.	Terminal Name	Input/Output	Function	
1	DEFI	Input	Input terminal of defect detection signal (DEF). (Connected to 0V when not used.)	
2	TAI	Input	For PLL	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.
3	PDO	Output		Output terminal of phase comparison for external VCO control.
4	VVSS	—		Ground terminal for integrated VCO. Surely connected to 0V.
5	ISET	Input		Resistance connection terminal for current adjustment of PDO output.
6	VVDD	—		Power terminal for integrated VCO.
7	FR	Input		VCO frequency range adjustment.
8	VSS	—	Ground terminal of digital system. Surely connected to 0V.	
9	EFMO	Output	For slice level control	EFM signal output terminal.
10	EFMIN	Input		EFM signal input terminal.
11	TEST2	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.	
12	CLV+	Outout	Output for disk motor control. 3 values can be output with the commands.	
13	CLV-	Output	Output for disk motor control. 3 values can be output with the commands.	
14	V/P	Output	Monitor output terminal for automatic switch of rough servo/phase control. "H" for rough servo, and "L" for phase servo.	
15	HFL	Intput	Input terminal of track detection signal. Schmit input.	
16	TES	Input	Input terminal of tracking error signal. Schmit input.	
17	TOFF	Output	Tracking OFF output terminal.	
18	TGL	Output	Output terminal for switch of tracking gain "L" increases the gain.	
19	JP+	Output	Output for track jump control. 3 values can be output with the commands.	
20	JP-	Output	Output for track jump control. 3 values can be output with the commands.	
21*	PCK	Output	Clock monitor terminal for EFM data replay. 4,3218MHz as the phase clock.	
22*	FSEQ	Output	Output terminal synchronous signal detection. "H" is output when synchronous signal detected by EFM signal matches synchronous signal internally generated.	
23	VDD	—	Power terminal of digital system.	
24	CONT1	Input/Output	General purpose input/output terminal 1	Controlled with serial data command from micro computer. 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.
25	CONT2	Input/Output	General purpose input/output terminal 2	
26	CONT3	Input/Output	General purpose input/output terminal 3	
27*	CONT4	Input/Output	General purpose input/output terminal 4	
28*	CONT5	Input/Output	General purpose input/output terminal 5	
29*	EMPH	Output	Difference monitor terminal At "H", deemphasis disk is being replayed.	
30*	C2F	Output	C2 flag output terminal.	
31*	DOUT	Output	Output terminal of digital OUTPUT. (EIAJ format)	
32	TEST3	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.	
33	TEST4	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.	
34*	N.C.	—	Terminal not used. Open during operation.	
35*	MUTEL	Output	L channel 1 bit DAC	Mute output terminal for L channel.
36	LVDD	—		Power terminal for L channel.
37	LCHO	Output		L channel output terminal.
38	LVSS	—		Ground terminal for L channel Surely connected to 0V.
39	RVSS	—	R channel 1 bit DAC	Ground terminal for R channel Surely connected to 0V.
40	RCHO	Output		R channel output terminal.
41	RVDD	—		Power terminal for R channel.
42*	MUTER	Output		Mute output terminal for R channel.
43	XVDD	—	Power terminal for quartz oscillation.	
44	XOUT	Output	Ground terminal of 16.9344 MHz quartz oscillator.	
45	XIN	Input	Ground terminal of 16.9344 MHz quartz oscillator.	
46	XVSS	—	Ground terminal for quartz oscillation. Surely connected to 0V.	
47*	SBSY	Output	Output terminal of synchronous signal of subcode block.	
48*	EFLG	Output	Correction monitor terminal of C1, C2, single and double.	

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

IC2 VHiLC78622U-1:Servo/Signal Control(LC78622U) (2/2)

Pin No.	Terminal Name	Input/Output	Function
49*	PW	Output	Output terminal of subcodes P, A, R, S, T, U and W.
50*	SFSY	Output	Output terminal of synchronous signal of subcode frame. It drops when subcode stands by.
51	SBCK	Input	Clock input terminal to read subcode. Schmit input (Connected to 0V when not used.)
52*	FSX	Output	Output terminal of synchronous signal of 7.35kHz divided from quartz oscillation.
53	WRQ	Output	Output terminal to stand by output of subcode Q.
54	RWC	Input	Input terminal of read/write. Schmit input.
55	SQOUT	Output	Output terminal of subcode Q.
56	COIN	Input	Command input terminal from microcomputer.
57	CQCK	Input	Clock input terminal to fetch command input, or pick up subcode from SQOUT. Schmit input
58	RES	Input	Reset input terminal of LC78622. When turning on power, set it at "L".
59*	TST11	Output	Output terminal for test. Used in the open state ("L" output as ordinary).
60*	16M	Output	Output terminal of 16.9344Hz.
61	4.2M	Output	Output terminal of 4.2336MHz.
62	TEST5	Input	Input terminal for test Pull-down resistor is integrated. Surely connected to 0V.
63	CS	Input	Chip selection input terminal. Pull-down resistor is integrated. Connected to 0 when not controlled.
64	TEST1	Input	Input terminal for test Pull-down resistor is integrated. Surely connected to 0V.

Note: The same potential must be supplied to the power terminals (VDD, VVDD, LVDD, RVDD, XVDD).

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

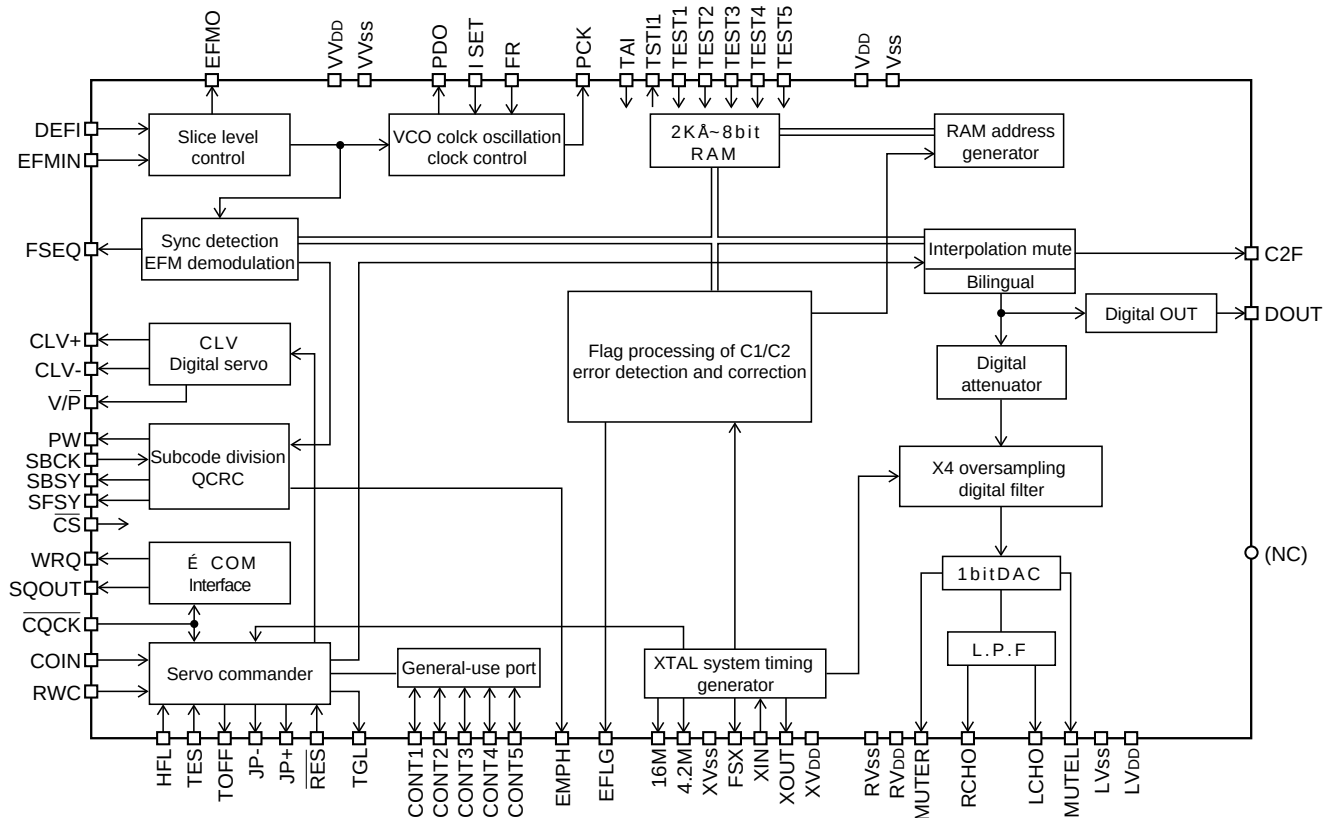


Figure 37 BLOCK DIAGRAM OF IC

CD-C410W/C415W/C420W,CP-C410/C415/SR410**IC1 VHiLA9240M/-1:Servo Amp.,(LA9240M) (1/2)**

Pin No.	Port Name	Function
1	FIN2	Connection pin for photodiode of pickup. RF signal is generated through addition with FIN pin, and FE signal is generated through subtraction.
2	FIN1	Connection pin for photodiode of pickup.
3	E	Connection pin for photodiode of pickup. TE signal is generated through subtraction with F pin.
4	F	Connection pin for photodiode of pickup.
5	TB	Pin for input of DC component of TE signal.
6	TE-	Pin to connect gain setting resistor of TE signal to TE signal.
7	TE	TE signal output pin.
8	TESI	TES (Track error sense) comparator input pin. TE signal is band-passed and input.
9	SCI	Input pin for shock detection.
10	TH	Pin to set time constant of tracking gain.
11*	TA	TA amplifier output pin.
12	TD-	Pin to compose tracking phase compensation constant between TD and VR pins.
13	TD	Pin to set tracking phase compensation.
14	JP	Pin to set amplitude of tracking jump signal (kick pulse).
15	TO	Tracking control signal output pin.
16	FD	Focusing control signal output pin.
17	FD-	Pin to compose focusing phase compensation constant between FD and FA pins.
18	FA	Pin to compose focusing phase compensation constant between FD-/FA-pins.
19	FA-	Pin to compose focusing phase compensation constant between FA and FE pins.
20	FE	Output pin of FE signal.
21	FE-	Pin to connect gain setting resistor of FE signal across TE pin.
22	AGND	GND for analog signal.
23	SP	Single end output for CV+ and CV- pin input.
24	SPI	Spindle amplifier input.
25	SPG	Pin to connect gain setting resistor in the 12cm mode of spindle.
26	SP-	Pin to connect spindle phase compensation constant together with SPD pin.
27	SPD	Spindle control signal output pin.
28	SLEQ	Pin to connect thread phase compensation constant.
29	SLD	Thread control signal output pin.
30	SL-	Input pin of thread feed signal from micro computer.
31	SL+	Input pin of thread feed signal from micro computer.
32	JP-	Input pin of tracking jump signal from DSP.
33	JP+	Input pin of tracking jump signal from DSP.
34	TGL	Input pin of tracking gain control signal from DSP. TGL = Gain low at "H"
35	TOFF	Input pin of tracking off control signal from DSP. TOFF = Off at "H"
36	TES	Output pin of TES signal to DSP.
37	HFL	(HIGH FREQUENCY LEVEL) is used to judge whether main beam is positioned on the bit or on the mirror.
38	SLOF	Thread servo off control input pin.
39	CV-	Pin to input CLV error signal from DSP.
40	CV+	Pin to input CLV error signal from DSP.
41	RFSM	RF output pin.
42	RFS-	Pin to set gain of RF and set 3T compensation constant together with RFSM pin.
43	SLC	(SLICE LEVEL CONTROL) is the output pin to control of the level of the data slice with RF waveform DSP.
44	SLI	Input pin to control the level of data slice with DSP.
45	DGND	GND pin in the digital system.
46	FSC	Output pin for focus search smoothening capacitor.
47	TBC	(Tracking Balance Control) Pin to set EF balance variable range.
48*	NC	No connect.
49	DEF	Defect detection output pin of disk.
50	CLK	Reference clock input pin. 4.23MHz of DSP is input.

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

IC1 VHiLA9240M/-1: Servo Amp.,(LA9240M) (2/2)

Pin No.	Port Name	Function
51	CL	Micro computer command clock input pin.
52	DAT	Micro computer command data input pin.
53	CE	Micro computer command chip enable input pin.
54	DRF	(DETECT RF) RF level detection output.
55	FSS	(Focus Serch Select) Pin to switch focus search mode. ($\pm$ search/+ search for reference voltage)
56	VCC2	VCC pin for servo system and digital system.
57	REFI	Pin to connect pass control for reference voltage.
58	VR	Reference voltage output pin.
59	LF2	Pin to set defect detection time constant of disk.
60	PH1	Pin to connect capacitor for peak hold of RF signal.
61	BH1	Pin to connect capacitor for bottom hold of RF signal.
62	LDD	APC circuit output pin.
63	LDS	APC circuit output pin.
64	VCC1	RF system VCC pin.

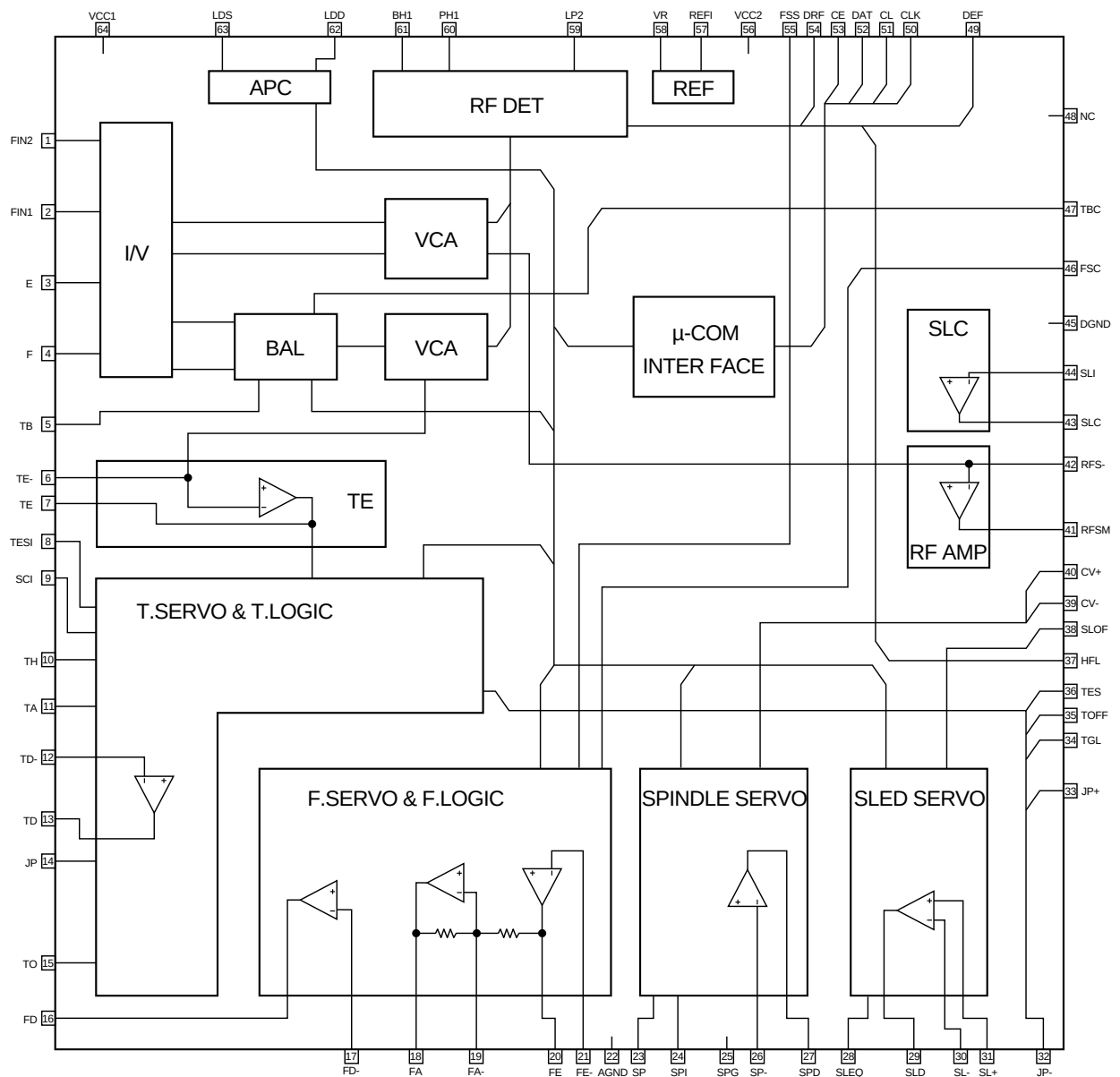


Figure 39 BLOCK DIAGRAM OF IC

CD-C410W/C415W/C420W,CP-C410/C415/SR410

IC701 RH-iX0191AWZZ: System Microcomputer (IX0191AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1-7	FIP6-0	FL DRIVER	Output	Segment Output
8	VDD		—	Connect with BACK UP VDD
9	P27	TAPE BIAS	Output	TAPE BIAS ON: H
10	P26	TAPE REC	Output	TAPE REC. ON: L
11	P25	T1/T2	Output	TAPE2 PLAY: L
12	P24	CD DSP WRQ	Input	CD DSP Write request
13	P23	CD DSP RWC	Output	CD DSP Read write control
14	SCK1	CD DSP CQCK	Output	CD DSP Clock
15	SO1	CD DSP COIN	Output	CD DSP Comand
16	SI1	CD DSP SQOUT	Input	CD DSP Code Q out
17	RESET	RESET	Input	Reset Input: L
18	P74	CD DSP RES	Outout	Display Reset
19	P73	CD T/T OPEN/CLOSE	Input	CD Turntable open close
20	AVSS	—	—	Connect with GND
21	ANI7	CD UP/DOWN CD DISC NO	Input	CD mecha up/down CD disc no
22	ANI6	T2 RUN PLSE	Input	TAPE2 Run pulse
23	ANI5	L-CH CHECK	Input/Output	For TEST mode
24	ANI4	R-CH CHECK	Input/Output	For TEST mode
25	ANI3	KEY INPUT 3	Input	Key input 3
26	ANI2	KEY INPUT 2	Input	Key input 2
27	ANI1	KEY INPUT 1	Input	Key input 1
28	ANI0	Initial setting input	Input	Initial setting input
29	AVDD	AVDD	—	Connect with BACK UP VDD
30	AVREF	AVREF	—	Connect with UNBACK UP VDD
31	P04	SRS	Input	SRS provided/not provided
32*	XT2	—	—	Not Connect
33	VSS		—	Connect with GND
34	X1	X1	Input	MAIN CLOCK 4.19MHz
35	X2	X2	Output	MAIN CLOCK 4.19NHz
36	P37	C ² B CL	Output	C ² B Bus clock
37	P36	C ² B CE	Output	C ² B Bus chip enable
38	P35	C ² B DI	Output	C ² B Bus comand
39	P34	C ² B DO	Input	C ² B Bus data
40	P33	CD DRF	Input	Data read flug from DSP
41	P32	CD PUIN	Input	L: Innermost periphery
42	P31	CD SL+	Output	CD pickup slide motor control
43	P30	CD SL-	Output	CD pickup slide motor control
44	P03	POWER	Output	POWER ON: H
45	P02	TUNER SD	Input	Tuner SD Signal
46	INPT1	SYSTEM STOP	Input	System Stop Signal
47	INPT0	REMOCON	Input	Remote Control Code Input
48	IC	INTERNALLY CONECTED	—	Connect with GND
49*	P72	P.B MUTE	Output	P.B MUTE ON: H
50	P71	TAPE SOL.	Output	TAPE SOL. ON: L
51	P70	TAPE MOTOR	Output	TAPE MOTOR ON: L
52	VDD	VDD	—	Connect with BACK UP VDD
53	P127	MIC MUTE	Input	MIC MUTE: L CD STOP, TAPE STOP state: Mute cancel
54*	P126	VOL.0 MUTE	Output	Not connect
55	P125	TAPE F.P.	Input	TAPE FOOL PROOF REC: L

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

IC701 RH-iX0191AWZZ: System Microcomputer (IX0191AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
56	P124	TAPE1 RUN PULSE	Input	TAPE1 Run pluse
57	P123	TAPE MECHA STOP	Input	Tape mecha up state: L
58-60	P122-P120	DISC1-DISC3	Output	Disc number indicator output
61-70	FIP25-16	FL DRIVER	Output	Segment Output
71	VLOAD	VLOAD	Output	Connect with VPP
72-77	FIP15-FIP10	FL DRIVER	Output	Segment Output
78*	P97		Output	Not connect
79,80	FIP8,FIP7	FL DRIVER	Output	Segment Output

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

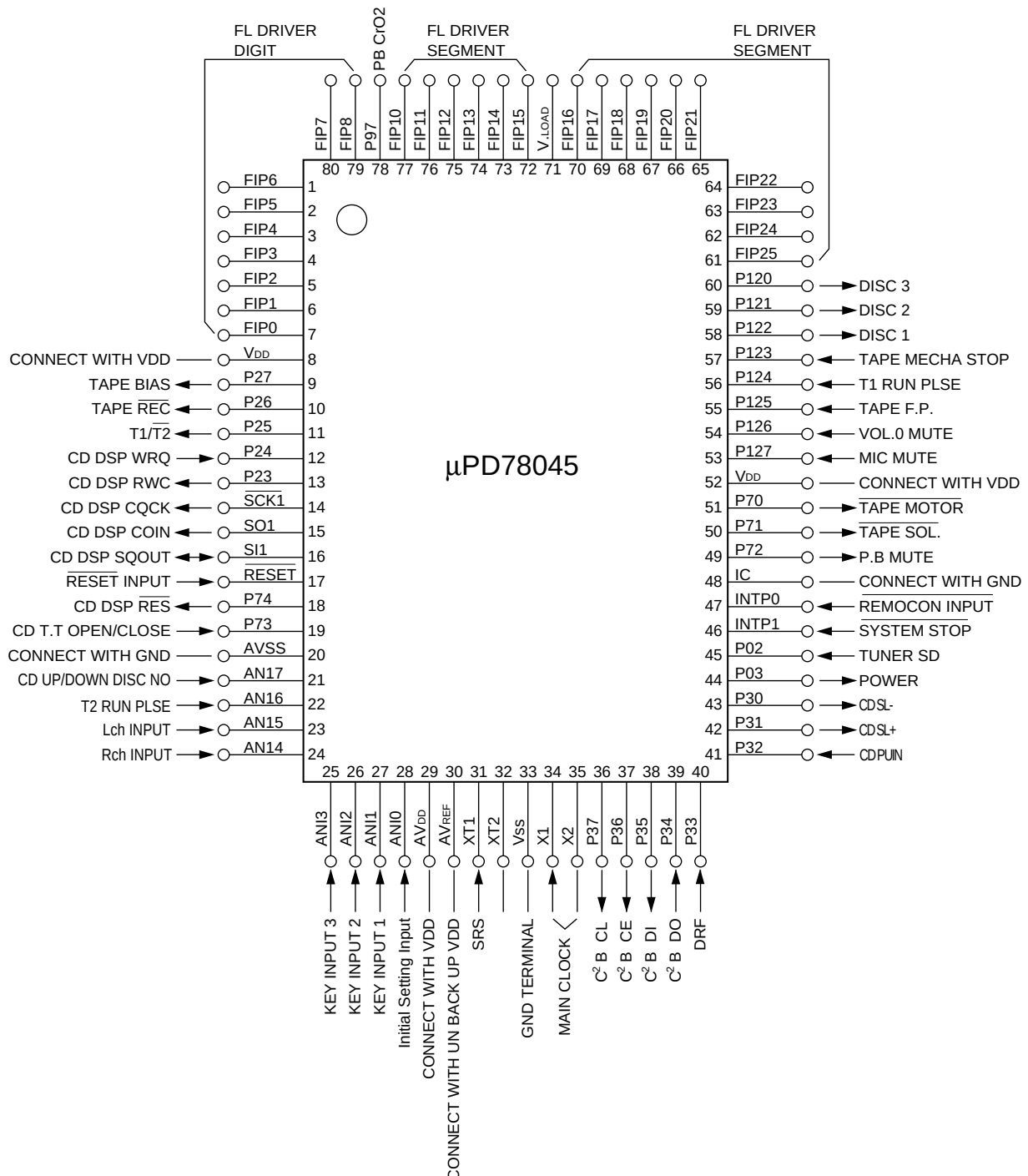
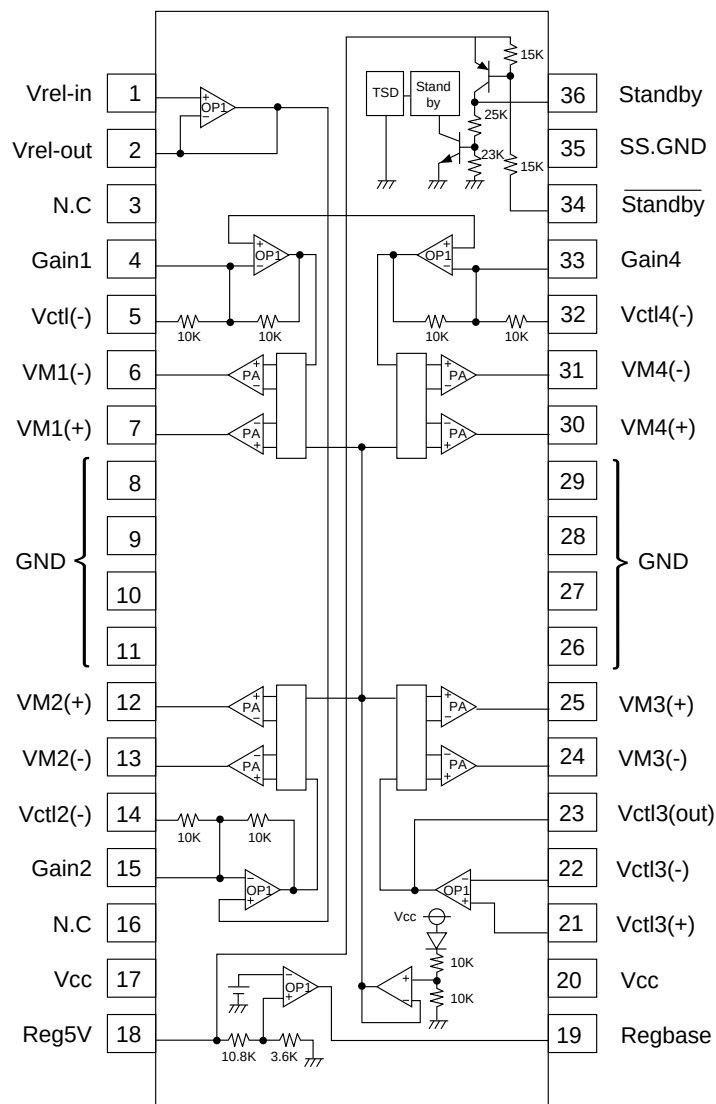


Figure 41 BLOCK DIAGRAM OF IC

IC5 VHiM56748FP-1:Focus/Tracking/Spin Slide Driver (M56748FP)



1 2 3 REC SLEEP X-BASS MEMORY ST
 WIDE
SRS () TA
kHz DOLBY NR TP
MHz () RDS

SHARP PARTS GUIDE

MODEL **CD-C410W**
CD-C415W
CP-C420W
CP-C410
CP-C415
CP-SR410

"HOW TO ORDER REPLACEMENT PARTS"

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

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

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

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

Explanation of capacitors/resistors parts codes

Capacitors

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

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

Resistors

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

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

NOTE:

Parts marked with "⚠" are important for maintaining the safety of the set.

Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

CD-C410W/C415W/C420W,CP-C410/C415/SR410

NO.	PART CODE	★ PRICE RANK	DESCRIPTION
CD-C410W/CD-C415W/CD-C420W			
INTEGRATED CIRCUITS			
IC1	VHILA9240M/-1	J AV	Servo Amp.,LA9240M
IC2	VHILC78622U-1	J AT	Servo/Signal Control,LC78622U
IC5	VHIM56748FP-1	J AR	Focus/Tracking/Spin/Slide Driver,M56748FP
IC91	VHITA7291S/-1	J AH	Loading Motor Driver, TA7291S
IC101	VHIAN7345K/-1	J AM	Record/Playback Amp.,AN7345K
IC201	VHISRS5250S-1	J BL	SRS,SRS5250S [415W Only]
IC302	VHILC72131/-1	J AP	PLL (Tuner),LC72131
IC303	VHILA1832/-1	J AR	FM IF Det./FM Mpx./ AM IF, LA1832
IC401	VHILC75394E-1	J AX	Audio Processor,LC75394E
IC701	RH-IX0174AWZZ	J AW	System Microcomputer, IX0174AW [410W/415W]
IC701	RH-IX0191AWZZ	J AZ	System Microcomputer, IX0191AW [420W]
IC801	VHILA4451/-1	J AN	Power Amp.,LA4451

TRANSISTORS

Q1	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR
Q81	VSKTC3203Y/-1	J AC	Silicon,NPN,KTC3203 Y
Q91	VS2SB561-C/-1	J AC	Silicon,PNP,2SB561 C
Q93	VSKRC102M/-1	J AC	Digital,NPN,KRC102 M
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	VS2SA1015GR-1	J AB	Silicon,PNP,2SA1015 GR
Q126	VSKRC104M/-1	J AC	Digital,NPN,KRC104 M
Q128	VSKTC3203Y/-1	J AC	Silicon,NPN,KTC3203 Y
Q201	VSKTC3203Y/-1	J AC	Silicon,NPN,KTC3203 Y [415W Only]
Q205	VS2SK246GR/-1	J AB	FET,2SK246 GR [415W Only]
Q206	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M [415W Only]
Q301	VS2SC380-O/-1	J AC	Silicon,NPN,2SC380 O
Q353,354	VSKTC3199GR-1	J AB	Silicon,NPN,KTC3199 GR
Q360	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR
Q361	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q701	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q705	VSKTA1273Y/-1	J AE	Silicon,PNP,KTA1273 Y
Q706	VS2SB561-C/-1	J AC	Silicon,PNP,2SB561 C
Q707	VSKRC102M/-1	J AC	Digital,NPN,KRC102 M
Q708,709	VSKTC3199GR-1	J AB	Silicon,NPN,KTC3199 GR
Q711~713	VSKRC102M/-1	J AC	Digital,NPN,KRC102 M
Q941,942	VS2SD2012Y/-1	J AF	Silicon,NPN,2SD2012 Y
Q943	VSKTC3199GR-1	J AB	Silicon,NPN,KTC3199 GR
Q952	VS2SD2012Y/-1	J AF	Silicon,NPN,2SD2012 Y
Q953	VSKTC3199GR-1	J AB	Silicon,NPN,KTC3199 GR
Q971	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR

DIODES

D2	VHD1SS119/-1	J AA	Silicon,1SS119
D5	VHD1SS119/-1	J AA	Silicon,1SS119
D7	VHD1SS119/-1	J AA	Silicon,1SS119
D91	VHD1SS119/-1	J AA	Silicon,1SS119
D201	VHD1SS119/-1	J AA	Silicon,1SS119 [415W Only]
D311,312	VHD1SS119/-1	J AA	Silicon,1SS119
D352	VHD1SS119/-1	J AA	Silicon,1SS119
D361~364	VHD1SS119/-1	J AA	Silicon,1SS119
D367,368	VHD1SS119/-1	J AA	Silicon,1SS119
D401~404	VHD1SS119/-1	J AA	Silicon,1SS119
D701~706	VHD1SS119/-1	J AA	Silicon,1SS119
D708,709	VHD1SS119/-1	J AA	Silicon,1SS119
D941,942	VHD1SS119/-1	J AA	Silicon,1SS119
D951	VHD1SS119/-1	J AA	Silicon,1SS119
D961~964	VHDRL104A/-1	J AB	Silicon,RL104A
△D965~968	VHD1N5402M/-1	J AE	Silicon,1N5402M
D971~973	VHDRL104A/-1	J AB	Silicon,RL104A
LED701~706	VHPLMKD515B-1	J AE	LED,Green,LMK515B
PHM1	VHPI31535CD-1	J AG	Photo Interrupter
ZD351	VHEMTZJ5R1B-1	J AC	Zener,5.1V,MTZJ5.1B
ZD352	VHEMTZJ3R9B-1	J AC	Zener,3.9V,MTZJ3.9B
ZD701	VHEMTZJ3R3B-1	J AA	Zener,3.3V,MTZJ3.3B
ZD941	VHEMTZJ130A-1	J AC	Zener,13V,MTZJ13A
ZD951	VHEMTZJ6R2C-1	J AC	Zener,6.2V,MTZJ6.2C

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
ZD971	VHEMTZJ300B-1	J AB	Zener,30V,MTZJ30B
ZD972	VHEMTZJ6R2A-1	J AA	Zener,6.2V,MTZJ6.2A

FILTERS

BF351	RFILA0009AWZZ	J AE	AM IF
CF302	RFILF0124AFZZ	J AD	FM IF
CF351	RFILF0003AWZZ	J AK	FM IF

TRANSFORMERS

T302	RCILZ0014AWZZ	J AL	AM Antenna
T351	RCILIO011AWZZ	J AD	AM IF
△T961	RTRNP0119AWZZ	J AX	Power

COILS

L1	VP-XHR82K0000	J AC	0.82 μH,Choke
L104	VP-MK331K0000	J AB	330 μH,Choke
L312	VP-DH2R2K0000	J AB	2.2 mmH,Peaking
L351,352	VP-DH101K0000	J AB	100 μH,Choke
L353	VP-DH102K0000	J AB	1 mH,Choke
L701	VP-DH2R2K0000	J AB	2.2 mmH,Peaking

VARIABLE RESISTOR

VR351	RVR-M0999AFZZ	J AB	10 kohm (B),Semi-VR [FM Mute Level]
-------	---------------	------	-------------------------------------

VIBRATORS

X351	RCRM-0075AFZZ	J AD	Crystal,456 kHz
X352	RCRSP0002AWZZ	J AH	Crystal,4.5 MHz
XL1	RCRM-0008AWZZ	J AF	Ceramic,16.93 MHz
XL701	RCRSP0003AWZZ	J AH	Crystal,4.19 MHz

CAPACITORS

C1	VCTYMN1CY103N	J AA	0.01 μF,16V
C2	RC-GZA476AF1A	J AB	47 μF,10V,Electrolytic
C3	RC-GZA104AF1H	J AB	0.1 μF,50V,Electrolytic
C4	VCKYMN1HB102K	J AA	0.001 μF,50V
C5,6	VCTYPA1CX333K	J AA	0.033 μF,16V
C7	RC-GZA104AF1H	J AB	0.1 μF,50V,Electrolytic
C8	VCTYPA1CX683K	J AA	0.068 μF,16V
C9	VCTYPA1CX473K	J AA	0.047 μF,16V
C10	VCKYMN1HB181K	J AA	180 pF,50V
C11	VCTYPA1CX104K	J AB	0.1 μF,16V
C12	VCKYMN1HB331K	J AA	330 pF,50V
C13	VCTYPA1CX104K	J AB	0.1 μF,16V
C14	VCTYMN1CY103K	J AA	0.01 μF,16V
C15	VCTYMN1CX472K	J AA	0.0047 μF,16V
C16	VCKYMN1HB102K	J AA	0.001 μF,50V
C17	RC-GZA474AF1H	J AA	0.47 μF,50V,Electrolytic
C18	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C19	RC-GZA476AF1A	J AB	47 μF,10V,Electrolytic
C20	VCTYMN1CX332K	J AA	0.0033 μF,16V
C21	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C22	VCTYMN1CY103N	J AA	0.01 μF,16V
C24	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C25	VCTYMN1CY103N	J AA	0.01 μF,16V
C30	VCCSMN1HL2R2C	J AB	2.2 pF,50V
C31	VCTYMN1CX272K	J AA	0.0027 μF,16V
C32	VCCSMN1HL270J	J AA	27 pF,50V
C33	VCKYMN1HB102K	J AA	0.001 μF,50V
C34	VCTYPA1CX333K	J AA	0.033 μF,16V
C35	RC-GZA104AF1H	J AB	0.1 μF,50V,Electrolytic
C37	RC-GZA227AF0J	J AB	220 μF,6.3V,Electrolytic
C38	VCTYMN1CY103K	J AA	0.01 μF,16V
C39	RC-GZA474AF1H	J AA	0.47 μF,50V,Electrolytic
C40	RC-GZA334AF1H	J AA	0.33 μF,50V,Electrolytic
C41,42	VCTYPA1CX473K	J AA	0.047 μF,16V
C43,44	RC-GZA107AF1A	J AB	100 μF,10V,Electrolytic
C45	RC-GZA475AF1E	J AB	4.7 μF,25V,Electrolytic
C46	VCTYMN0JY223N	J AA	0.022 μF,6.3V
C50	VCTYPA1CX104K	J AB	0.1 μF,16V
C51	VCTYMN1EF223Z	J AA	0.022 μF,25V
C52	RC-GZA476AF1A	J AB	47 μF,10V,Electrolytic
C53	VCKYBT1HB221K	J AA	220 pF,50V
C54~57	VCKYMN1HB101K	J AA	100 pF,50V
C58	VCTYMN1EF223Z	J AA	0.022 μF,25V
C59	VCKZPA1HF223Z	J AA	0.022 μF,50V

CD-C410W/C415W/C420W,CP-C410/C415/SR410

NO.	PART CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C67,68	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic	C390	VCKYMN1HB471K	J	AA	470 pF,50V
C69,70	VCKYMN1HB221K	J	AA	220 pF,50V	C391	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C81	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic	C392	VCKYMN1HB102K	J	AA	0.001 μF,16V
C91	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic	C393	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C92	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C394	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C94,95	VCKYMN1HB102K	J	AA	0.001 μF,50V	C395	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C96	VCKYBT1HB102K	J	AA	0.001 μF,50V	C396	RC-GZA107AF1A	J	AB	100 μF,10V,Electrolytic
C97	VCTYPA1EX102M	J	AA	0.001 μF,25V	C397	VCKYMN1HB221K	J	AA	220 pF,50V
C101,102	VCKYMN1HB102K	J	AA	0.001 μF,50V	C398	RC-GZA107AF0J	J	AB	100 μF,6.3V,Electrolytic
C105,106	VCKYMN1HB181K	J	AA	180 pF,50V	C399	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C107,108	VCKYMN1HB102K	J	AA	0.001 μF,50V	C400	VCKYMN1HB102K	J	AA	0.001 μF,50V
C109	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C401~406	RC-QZA473AFYK	J	AB	0.047 μF,50V,Mylar
C111~114	VCKYMN1HB331K	J	AA	330 pF,50V	C407,408	VCKYMN1HB391K	J	AA	390 pF,50V
C115,116	RC-GZA476AF1A	J	AB	47 μF,10V,Electrolytic	C409,410	RC-QZA473AFYK	J	AB	0.047 μF,50V,Mylar
C117,118	VCTYMN0JY183M	J	AA	0.018 μF,6.3V	C411,412	RC-GZA226AF1E	J	AB	22 μF,25V,Electrolytic
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V	C413,414	VCKYMN1HB101K	J	AA	100 pF,50V
C121,122	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic	C417,418	RC-QZA184AFYJ	J	AC	0.18 μF,50V,Mylar
C123,124	VCTYMN0JY153M	J	AA	0.015 μF,6.3V	C419,420	RC-QZA683AFYJ	J	AB	0.068 μF,50V,Mylar
C127	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C421~424	RC-QZA184AFYJ	J	AC	0.18 μF,50V,Mylar
C128	RC-GZA335AF1E	J	AB	3.3 μF,25V,Electrolytic	C425,426	RC-QZA333AFYJ	J	AB	0.033 μF,50V,Mylar
C129,130	VCKYMN1HB471K	J	AA	470 pF,50V	C427,428	RC-QZA392AFYJ	J	AB	0.0039 μF,50V,Mylar
C131,132	VCKYMN1HB102K	J	AA	0.001 μF,50V	C433,434	VCTYMN1CX272K	J	AA	0.0027 μF,16V
C133,134	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic	C435,436	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic
C135,136	VCTYPA1CX683K	J	AA	0.068 μF,16V	C437,438	VCKYMN1HB101K	J	AA	100 pF,50V
C139,140	VCTYMN1CX332K	J	AA	0.0033 μF,16V	C439,440	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C141,142	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic	C441,442	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C145	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic	C443	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic
C146	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic	C444	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C148	VCTYPA1CX823K	J	AB	0.082 μF,16V	C445,446	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C150	RC-QZA392AFYJ	J	AB	0.0039 μF,50V,Mylar	C451,452	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C151	RC-QZA273AFYJ	J	AB	0.027 μF,50V,Mylar	C453,454	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C152	RC-GZA476AF1A	J	AB	47 μF,10V,Electrolytic	C455	VCKYMN1HB221K	J	AA	220 pF,50V
C153	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic	C701	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C200	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic [415W Only]	C702	RC-GZA227AF0J	J	AB	220 μF,6.3V,Electrolytic
C201	VCTYMN1EF223Z	J	AA	0.022 μF,25V [415W Only]	C703	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C202	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic [415W Only]	C704	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C203	VCTYMN1CX472K	J	AA	0.0047 μF,16V [415W Only]	C705	VCTYMN1CY103N	J	AA	0.01 μF,16V
C210	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic [415W Only]	C706	RC-EZY476AF1C	J	AB	47 μF,16V,Electrolytic
C217,218	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic [415W Only]	C707	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C219	RC-GZA334AF1H	J	AA	0.33 μF,50V,Electrolytic [415W Only]	C708	VCTYMN1CY103N	J	AA	0.01 μF,16V
C220	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic [415W Only]	C709	RC-EZY107AF0J	J	AB	100 μF,6.3V,Electrolytic
C223,224	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic [415W Only]	C710,711	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C240	VCTYMN1EF223Z	J	AA	0.022 μF,25V [415W Only]	C715	RC-GZA227AF0J	J	AB	220 μF,6.3V,Electrolytic
C301	VCKZPA1HF223Z	J	AA	0.022 μF,50V	C717	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C320~323	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C718	VCKYMN1HB102K	J	AA	0.001 μF,50V
C327	VCKYMN1HB102K	J	AA	0.001 μF,50V	C803,804	VCKYMN1HB561K	J	AA	560 pF,50V
C331	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C805,806	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C332	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C808	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C334	VCCUMN1HJ6R8D	J	AB	6.8 pF (UJ),50V	C809,810	RC-GZV108AF1E	J	AD	1000 μF,25V,Electrolytic
C341,342	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C811~814	RC-QZA104AFYK	J	AB	0.1 μF,50V,Mylar
C350,351	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C823	RC-GZA107AF1H	J	AC	100 μF,50V,Electrolytic
C352	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic	C824	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C353,354	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C825	RC-GZW228AF1H	J	AH	2200 μF,50V,Electrolytic
C355	VCCCPA1HH220J	J	AA	22 pF (CH),50V	C827,828	RC-GZA107AF1H	J	AC	100 μF,50V,Electrolytic
C356	VCKYMN1HB102K	J	AA	0.001 μF,50V	C829,830	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C357	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic	C831	VCKYBT1HB102K	J	AA	0.001 μF,50V
C358	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic	C855	VCKYBT1HB561K	J	AA	560 pF,50V
C361	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C871,872	VCKYMN1HB102K	J	AA	0.001 μF,50V
C362	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic	C941	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C363	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C942	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C364	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic	C943	RC-GZV477AF1E	J	AC	470 μF,25V,Electrolytic
C365	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C944	RC-GZW478AF1E	J	AG	4700 μF,25V,Electrolytic
C366	VCKYMN1HB102K	J	AA	0.001 μF,50V	C945	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C367,368	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic	C947,948	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C370~372	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic	C952	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C373,374	VCTYMN0JY223M	J	AB	0.022 μF,6.3V	C953	VCKZPA1HF103Z	J	AA	0.01 μF,50V
C375	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic	C954	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V	C955,956	RC-QZA224AFYJ	J	AB	0.22 μF,50V,Mylar
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V	C957	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C383	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C961,962	RC-QZA473AFYJ	J	AB	0.047 μF,50V,Mylar
C384	VCKYMN1HB102K	J	AA	0.001 μF,50V	C971,972	RC-GZA107AF1H	J	AC	100 μF,50V,Electrolytic
C385	VCTYMN1CY103K	J	AA	0.01 μF,16V	C973~975	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C386	VCKYMN1HB331K	J	AA	330 pF,50V	C976	RC-GZA107AF1V	J	AB	100 μF,35V,Electrolytic
C387	VCKZPA1HF223Z	J	AA	0.022 μF,50V					
C388	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic					
			</						

CD-C410W/C415W/C420W,CP-C410/C415/SR410

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R6	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R7	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R8	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R9	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R10	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R11	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R12	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R13	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R14	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R15	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R16	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R17	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R18	VRD-ST2CD335J	J	AA	3.3 Mohms,1/6W
R19	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R20	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R21	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R22	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R23	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R24	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R25	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R26,27	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R28,29	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R30	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R31	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R32	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R33	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R34	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R35	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R36,37	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R38	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R39	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R41	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R42	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R43	VRD-MN2BD120J	J	AA	12 ohms,1/8W
R45	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R46,47	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R49	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R54	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R56	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R57	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R58	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R60	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R61	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R70~72	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R73,74	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R75,76	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R77~79	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R81	VRD-MN2BD820J	J	AA	82 ohms,1/8W
R82	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R86~88	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R94	VRD-RT2HD100J	J	AA	10 ohm,1/2W [410W/415W Only]
R95	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R96	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R97	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R98,99	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R101,102	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R103,104	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R105,106	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R107,108	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R109	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R110	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R111,112	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R113~115	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R117	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R118	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R119,120	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R121,122	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R123,124	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R125,126	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R131,132	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R133	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R134	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R135,136	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R137,138	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R139,140	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R141,142	VRD-MN2BD560J	J	AA	56 ohms,1/8W
R145,146	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R150	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R152	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R153,154	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R158	VRD-ST2EE471J	J	AA	470 ohms,1/4W
R160	VRD-RT2HD151J	J	AA	150 ohms,1/2W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R162	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R164	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R166	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R167	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R168	VRD-MN2BD120J	J	AA	12 ohms,1/8W
R172	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R174	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R200	VRD-ST2CD103J	J	AA	10 kohm,1/6W [415W Only]
R201	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W [415W Only]
R202	VRD-MN2BD104J	J	AA	100 kohm,1/8W [415W Only]
R203	VRD-MN2BD223J	J	AA	22 kohms,1/8W [415W Only]
R204	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W [415W Only]
R205	VRD-MN2BD473J	J	AA	47 kohms,1/8W [415W Only]
R206	VRD-MN2BD333J	J	AA	33 kohms,1/8W [415W Only]
R206	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W [415W Only]
R207,208	VRD-MN2BD102J	J	AA	1 kohm,1/8W [415W Only]
△R209	VRG-ST2EF100J	J	AB	10 kohm,1/4W,Fusible [415W Only]
R212	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W [415W Only]
R213	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W [415W Only]
R215,216	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W [415W Only]
R217,218	VRD-MN2BD102J	J	AA	1 kohm,1/8W [415W Only]
R228	VRD-MN2BD102J	J	AA	1 kohm,1/8W [415W Only]
R233	VRD-MN2BD223J	J	AA	22 kohms,1/8W [415W Only]
R234	VRD-MN2BD101J	J	AA	100 ohm,1/8W [415W Only]
R304	VRD-MN2BD681J	J	AA	680 ohms,1/8W [415W Only]
R305	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R307	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R310	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R315	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R318	VRD-MN2BD471J	J	AA	470 ohms,1/8W
R320	VRD-ST2CD103J	J	AA	10 kohm,1/6W [415W Only]
R323	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R330	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R331	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R354	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R358	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R360~362	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R363,364	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R365,366	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R367	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R368	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R370	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R371~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R375	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R376,377	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R383	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R384	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R385	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R386	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R387	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R395	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R398	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R401~403	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R405,406	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R407,408	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R411,412	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R413,414	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R415~422	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R475,476	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R477,478	VRD-ST2CD102J	J	AA	1 kohm,1/6W [415W]
R477,478	VRD-ST2CD153J	J	AA	15 kohms,1/6W [410W/420W]
R479,480	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R603	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R701	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R702	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R703	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R704	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R705	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R706	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R707	VRD-MN2BD103J	J	AA	10 kohm,1/8W

CD-C410W/C415W/C420W,CP-C410/C415/SR410

NO.	PART CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R708,709	VRD-MN2BD102J	J	AA	1 kohm,1/8W	CNP10	92LCONEAP53254	J	AD	Plug,10Pin
R711	VRD-MN2BD103J	J	AA	10 kohm,1/8W	CNP101	QCNCM742CAFZZ	J	AA	Plug,3Pin
R712~725	VRD-MN2BD102J	J	AA	1 kohm,1/8W	CNP102	QCNCM588GAFZZ	J	AB	Plug,7Pin
R726	VRD-MN2BD103J	J	AA	10 kohm,1/8W	CNP201	QCNCW010FAWZZ	J	AE	Plug,6Pin [415W Only]
R727	VRD-MN2BD102J	J	AA	1 kohm,1/8W	CNP303	QCNCW010KAWZZ	J	AD	Plug,10Pin
R730	VRD-MN2BD102J	J	AA	1 kohm,1/8W	CNP401	QCNCM010FAWZZ	J	AD	Plug,6Pin [415W Only]
R731~735	VRD-MN2BD103J	J	AA	10 kohm,1/8W	CNP402	QCNCM010KAWZZ	J	AC	Plug,10Pin
R736	VRD-ST2CD101J	J	AA	100 ohm,1/6W	CNP901	QCNCM742FAFZZ	J	AB	Plug,6Pin
R737	VRD-MN2BD103J	J	AA	10 kohm,1/8W	CNPM1	QCNCM932MAFZZ	J	AE	Plug,11Pin
R738~740	VRD-MN2BD102J	J	AA	1 kohm,1/8W	CNPM2	QCNCM030BAWZZ	J	AB	Plug,2Pin
R741~743	VRD-MN2BD103J	J	AA	10 kohm,1/8W	CNS1A/B	QCNCWN0891AWZZ	J	AG	Connector Ass'y,5-5Pin
R744	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W	CNS2A/B	QCNCWN0892AWZZ	J	AF	Connector Ass'y,8-8Pin
R745~748	VRD-MN2BD102J	J	AA	1 kohm,1/8W	CNS3A/B	QCNCWN0893AWZZ	J	AF	Connector Ass'y,6-6Pin
R749	VRD-ST2CD101J	J	AA	100 ohm,1/6W	CNS101	QCNCWN0895AWZZ	J	AE	Connector Ass'y,3Pin
R750,751	VRD-MN2BD104J	J	AA	100 kohm,1/8W	CNS102	QCNCWN0896AWZZ	J	AG	Connector Ass'y,8Pin
R752	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W	△ F1	92LFUSE-T501-B	J		Fuse,T500mA L 250V
R754	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W	△ F962	92LFUSE-T252E	J	AD	Fuse,T2.5A L 250V
R755	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W	△ F963	92LFUSE-T162-E	J	AD	Fuse,T1.6A L 250V
R756,757	VRD-MN2BD104J	J	AA	100 kohm,1/8W	FE301	RTUNS0008AWZZ	J	AN	FM Front End
R758	VRD-RT2HD100J	J	AA	10 ohm,1/2W	FL701	VVKFIP9EM7R-1	J	AV	FL Display
R759,760	VRD-MN2BD103J	J	AA	10 kohm,1/8W	FW701	QCNCWN0898AWZZ	J	AD	Flat Cable,6Pin
R761,762	VRD-MN2BD102J	J	AA	1 kohm,1/8W	FWM1	QCNCWN0328AWZZ	J	AC	Flat Cable,2Pin
R763,764	VRD-ST2CD102J	J	AA	1 kohm,1/6W	FWM2	QCNCWN0338AWZZ	J	AD	Flat Cable,2Pin
R765	VRD-MN2BD102J	J	AA	1 kohm,1/8W	JK801	QJAKM0005AWZZ	J	AD	Jack,Headphones
R766	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W	LG901,902	QLUGP0001AWZZ	J	AC	Lug
R767	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W	M1	92LMTR1858CASY	J	AS	Motor with Chassis [Disc]
R768	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W	M2	92LMTR1854BASY	J	AP	Motor with Gear [Slide]
R769	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W	M3	92LMTR2037AS1	J	AP	Motor with Worm [T/T Up/Down]
R771	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W	MM1	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
R772	VRD-MN2BD104J	J	AA	100 kohm,1/8W	RX701	VHLSPSP440/-1	J	AH	Remote Sensor,SPSP440
R773~775	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W	SO301	QTANC0301AWZZ	J	AH	Terminal,Antenna
R776	VRD-MN2BD820J	J	AA	82 ohms,1/8W	SO401	QSOCJ0209AWZZ	J	AD	Socket,Video/Aux
R777,778	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	SO801	QTANA0404AWZZ	J	AF	Terminal,Speaker
R779	VRD-MN2BD102J	J	AA	1 kohm,1/8W	SO802	QTANA0404AWZZ	J	AF	Terminal,Speaker [420W Only]
R780,781	VRD-MN2BD103J	J	AA	10 kohm,1/8W	SOLM1,2	RPLU-0002AWZZ	J	AH	Solenoid
R782	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W	SW1	QSW-P0004AWZZ	J	AE	Switch,Push Type [Open/Close]
R783	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W	SW2	QSW-F0001AWZZ	J	AD	Switch,Leaf Type [Mecha Up]
R785	VRD-MN2BD101J	J	AA	100 ohm,1/8W	SW3	QSW-P0005AWZZ	J	AD	Switch,Push Type [Disc Skip]
R787	VRD-MN2BD102J	J	AA	1 kohm,1/8W	SW4	QSW-F9001AWZZ	J	AE	Switch,Push Type [Pickup In]
R788	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W	SW301	QSW-S0024AWZZ	J	AE	Switch,Slide Type [Span Selector]
R789	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	SW701	QSW-K0181AFZZ	J	AB	Switch,Key Type [Random/Demo]
R790,791	VRD-MN2BD102J	J	AA	1 kohm,1/8W	SW702	QSW-K0181AFZZ	J	AB	Switch,Key Type [Volume Down]
R792	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W	SW703	QSW-K0181AFZZ	J	AB	Switch,Key Type [X-BASS]
R793	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W	SW704	QSW-K0181AFZZ	J	AB	Switch,Key Type [Volume Up]
R794	VRD-ST2CD123J	J	AA	12 kohms,1/6W	SW705	QSW-K0181AFZZ	J	AB	Switch,Key Type [Open/Close]
R795	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W	SW706	QSW-K0181AFZZ	J	AB	Switch,Key Type [Disc Skip]
R798	VRD-MN2BD151J	J	AA	150 ohms,1/8W	SW709	QSW-K0181AFZZ	J	AB	Switch,Key Type [Rec./Pause]
R799	VRD-MN2BD120J	J	AA	12 ohms,1/8W	SW710	QSW-K0181AFZZ	J	AB	Switch,Key Type [Up]
R803,804	VRD-MN2BD333J	J	AA	33 kohms,1/8W	SW711	QSW-K0181AFZZ	J	AB	Switch,Key Type [Stop]
R805,806	VRD-MN2BD102J	J	AA	1 kohm,1/8W	SW712	QSW-K0181AFZZ	J	AB	Switch,Key Type [Play]
R807,808	VRD-MN2BD181J	J	AA	180 ohms,1/8W	SW713	QSW-K0181AFZZ	J	AB	Switch,Key Type [Down]
R809,810	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W	SW714	QSW-K0181AFZZ	J	AB	Switch,Key Type [Tuning Up]
R811,812	VRD-RT2HD271J	J	AA	270 ohms,1/2W	SW715	QSW-K0181AFZZ	J	AB	Switch,Key Type [Tuning Down]
R815	VRD-ST2CD103J	J	AA	10 kohm,1/6W	SW717	QSW-K0181AFZZ	J	AB	Switch,Key Type [Power]
R825	VRD-ST2EE103J	J	AA	10 kohm,1/4W	SW718	QSW-K0181AFZZ	J	AB	Switch,Key Type [Clock]
R835,836	VRD-RT2HD331J	J	AA	330 ohms,1/2W	SW719	QSW-K0181AFZZ	J	AB	Switch,Key Type [Timer/Sleep]
R943,944	VRD-ST2EE180J	J	AA	18 ohms,1/4W	SW721	QSW-K0181AFZZ	J	AB	Switch,Key Type [Memory/Set]
R945	VRD-MN2BD333J	J	AA	33 kohms,1/8W	SW722	QSW-K0181AFZZ	J	AB	Switch,Key Type [CD]
R946	VRD-ST2EE101J	J	AA	100 ohm,1/4W	SW723	QSW-K0181AFZZ	J	AB	Switch,Key Type [Tuner]
R947	VRD-ST2EE271J	J	AA	270 ohms,1/4W	SW724	QSW-K0181AFZZ	J	AB	Switch,Key Type [Tape]
R948,949	VRD-MN2BD123J	J	AA	22 kohms,1/8W	SW725	QSW-K0181AFZZ	J	AB	Switch,Key Type [Aux]
R951	VRD-ST2EE152J	J	AA	1.5 kohms,1/4W	SW726	QSW-K0181AFZZ	J	AB	Switch,Key Type [Disc 1]
R952	VRD-ST2CD333J	J	AA	33 kohms,1/6W	SW727	QSW-K0181AFZZ	J	AB	Switch,Key Type [Disc 2]
R953	VRD-ST2CD103J	J	AA	10 kohm,1/6W	SW728	QSW-K0181AFZZ	J	AB	Switch,Key Type [Disc 3]
R972	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W	△ SW961	QSOCE0006AWZZ	J	AH	Switch,Slide Type [AC Voltage Selector]
R973	VRD-ST2CD101J	J	AA	100 ohm,1/6W	SWM3	QSW-F9064AFZZ	J	AC	Switch,Leaf Type [Fool Proof]
R974	VRD-ST2CD123J	J	AA	12 kohms,1/6W	SWM4	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
R975,976	VRD-ST2CD221J	J	AA	220 ohms,1/6W	SWM5	QSW-F0346AFZZ	J	AB	Switch,Leaf Type [CAM]
R977,978	VRD-ST2EE2R2J	J	AA	2.2 ohms,1/4W	WT701	92LCONE6P52287	J	AC	Socket,Wire Trap,6Pin
RD1	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W					
RD2	VRD-MN2BD123J	J	AA	12 kohms,1/8W [415W Only]					
RD3	VRD-MN2BD333J	J	AA	33 kohms,1/8W [415W Only]					
RD4~6	VRD-MN2BD821J	J	AA	820 ohms,1/8W					

OTHER CIRCUITRY PARTS

BI901/CNS901	QCNCWN0890AWZZ	J	AE	Connector Ass'y,6-6Pin
BIM1	QCNCWN0897AWZZ	J	AF	Connector Ass'y,8-12Pin
BIM5/CNS10/CNS5	QCNCWN0894AWZZ	J	AH	Connector Ass'y,6-10-2Pin
CNP1	QCNCNM931EAFZZ	J	AC	Plug,5Pin
CNP2	92LCONEBP53253	J	AC	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin

CASSETTE MECHANISM PARTS

1	LCHSM0014AW01	J	AN	Main Chassis Ass'y
2	LPLTP0001AWZZ	J	AD	Plate,Head [Tape 1]
3	LPLTP0002AWZZ	J	AD	Plate,Head [Tape 2]
4	NDAIR0004AW01	J	AG	Take-Up Reel Ass'y [Tape 1]
5	NDAIR0005AW01	J	AG	Take-Up Reel Ass'y [Tape 2]
6	NGERH0024AWZZ	J	AB	Gear,Supply Reel
7	NROLY0002AWZZ	J	AF	Pinch Roller Ass'y

CD-C410W/C415W/C420W,CP-C410/C415/SR410

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
8	NFLYC0002AWZZ	J	AG	Flywheel Ass'y [Tape 1]
9	NFLYC0003AWZZ	J	AH	Flywheel Ass'y [Tape 2]
10	MLEVP0024AW01	J	AH	Lever,FF/REW Roller Ass'y
11	NGERH0027AWZZ	J	AE	Gear,Cam
12	NGERH0028AWZZ	J	AB	Gear,Flywheel
13	NGERH0030AWZZ	J	AE	Gear,Play Idler
14	NGERH0032AWZZ	J	AC	Gear,FF
15	NPLYB0004AWZZ	J	AB	Sensor,Wing
16	MLEVP0026AWZZ	J	AC	Lever,Trigger
17	MLEVP0027AWZZ	J	AC	Lever,Lock [Tape 1]
18	MLEVP0028AWZZ	J	AC	Lever,Eject Obstruct [Tape 1]
19	MLEVP0069AWZZ	J	AB	Lever,Eject Obstruct [Tape 2]
20	LHLD01001AW01	J	AE	Holder,Bearing
21	PGIDM0007AWZZ	J	AC	Guide,Cassette [Tape 2]
22	PGIDM0009AWZZ	J	AC	Guide,Cassette [Tape 1]
23	MLEVF0004AWFW	J	AB	Lever,Over Strok [Tape 1]
24	MLEVF0005AW01	J	AE	Lever,Over Strok Ass'y [Tape 2]
25	MLEVF0006AW01	J	AD	Lever,Mode Ass'y
26	MLEVF0007AW01	J	AC	Lever,Idler Ass'y [Tape 1]
27	MLEVF0008AW01	J	AD	Lever,Idler Ass'y [Tape 2]
28	LANGT0025AWFW	J	AD	Bracket Motor
29	LANGT0026AWFW	J	AC	Bracket Hold
30	LANGT0033AWFW	J	AB	Bracket,Switch
31	MSPRP0005AWFW	J	AB	Spring,Cassette
32	MSPRC0008AWFJ	J	AB	Spring,Back Tention
33	MSPRD0031AWFJ	J	AB	Spring,Lock Lever [Tape 1]
34	MSPRD0032AWFJ	J	AB	Spring,Mode Lever
35	MSPRD0033AWFJ	J	AB	Spring,Play Idler Lever
36	MSPRD0034AWFJ	J	AB	Spring,Play Roller
37	MSPRD0035AWFJ	J	AB	Spring,Eject Obstruct [Tape 1]
38	MSPRD0036AWFJ	J	AB	Spring,Play Return
39	MSPRD0037AWFJ	J	AB	Spring,Over Strok Lever
40	MSPRD0038AWFJ	J	AB	Spring,Trigger Lever
41	MSPRD0039AWFJ	J	AB	Spring,FR Lever
42	MSPRD0040AWFJ	J	AB	Spring,Eject Obstruct [Tape 2]
43	NBLTK0009AWZZ	J	AC	Belt,Sub
44	NBLTK0011AWZZ	J	AC	Belt,Main [Tape 1]
45	NBLTK0012AWZZ	J	AC	Belt,Main [Tape 2]
52	92LM-LEV1756A	J	AB	Lever,Lock [Tape 2]
53	92LM-TSPR1756C	J	AB	Spring,Lock Lever [Tape 2]
55	92LMRPH1746A	J	AM	Head,Record/Playback
56	92LM-EH1658A	J	AG	Head,Erase
57	92LM-REL1676B	J	AB	Cap,Supply Reel
58	92LM-CSPR1676B	J	AA	Spring,Supply Cap
59	92LN-BAND1318A	J	AA	Nylon Band,80mm
501	92LS2R6S1746A	J	AA	Screw,ø2.6×2.5mm
502	92L2TTS+4BZ	J	AA	Screw,ø2×4mm
503	92L2TTS+5BZ	J	AA	Screw,ø2×5mm
504	92L1R5WC3R8R5P	J	AA	Washer,ø1.5×ø3.8×0.5mm
505	92L2R2TWO	J	AA	Washer,ø2mm
506	LX-BZ0004AWFD	J	AC	Screw,Lock Lever
507	XHPSD20P05000	J	AA	Screw,ø2×5mm
508	92L2R3W3R4R25P	J	AA	Washer,ø2.3×ø3.4×0.25mm
510	92L1R8WC4-R5P	J	AA	Washer,ø1.8×ø4×0.5mm
MM1	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
SOLM2	RPLU-0002AWZZ	J	AH	Solenoid
SWM3	QSW-F9064AFZZ	J	AC	Switch,Leaf Type [Fool Proof]
SWM4	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
SWM5	QSW-F0346AFZZ	J	AB	Switch,Leaf Type [CAM]

CD MECHANISM PARTS

301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive
303	MLEVP0010AWZZ	J	AC	Rail,Guide
304	NSFTM0002AWFW	J	AE	Shaft,Guide
305	92LM-CUSN1524A	J	AC	Cushion
△ 306	92LHPC1MASY	J	BG	Pickup Unit Ass'y
306- 1	—	—	—	Pickup Unit (Not Replacement Item)
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack
306- 3	MSPRC00961AFZZ	J	AA	Spring,Rack
701	92L2R6S+6CZ	J	AB	Screw,ø2.6×6mm
702	92L2TTS+5BB	J	AB	Screw,ø2×5mm
703	92L2S+3PZ	J	AA	Screw,ø2×3mm
704	92L1R5WC3R8R25	J	AA	Washer,ø1.5×ø3.8×0.25mm
M1	92LMTR1858CASY	J	AS	Motor with Chassis [Disc]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Slide]
SW4	QSW-F9001AWZZ	J	AE	Switch,Leaf Type [Pickup In]

CABINET PARTS

201	92LCAB2533AS1	J	AX	Front Panel Ass'y [410W]
201	92LCAB2534AS1	J	AX	Front Panel Ass'y [415W]
201	92LCAB2545AS1	J	AX	Front Panel Ass'y [420W]
201- 1	—	—	—	Front Panel (Not Replacement Item)
201- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
201- 3	HDECQ0215AWSA	J	AH	Front Amp. [410W]
201- 3	HDECQ0216AWSA	J	AH	Panel,Amp. [415W]
201- 3	HDECQ0225AWSA	J	AH	Panel,Amp. [420W]
201- 4	JKNBZ0354AWSB	J	AF	Knob,Disc Number
202	GCAB-1045AWSB	J	AL	Top Cabinet
203	GITAR0217AWSA	J	AG	Back Board [410W]
203	GITAR0218AWSA	J	AG	Back Board [415W]
203	GITAR0223AWSA	J	AG	Back Board [420W]
204	92LMEC2533CTS1	J	AN	Cassette Holder Ass'y,Tape 1
204- 1	—	—	—	Cassette Holder Tape 1 (Not Replacement Item)
204- 2	HDECQ0198AWSB	J	AF	Panel,Cassette,Tape 1
206	92LMEC2533CTS2	J	AN	Cassette Holder Ass'y,Tape 2
206- 1	—	—	—	Cassette Holder Tape 2 (Not Replacement Item)
206- 2	HDECQ0199AWSB	J	AF	Panel,Cassette,Tape 2
208	MSPRD0093AWFJ	J	AB	Spring,Cassette,Tape 2
209	92LCAB2475BS1	J	AK	Side Panel Ass'y,Left
209- 1	—	—	—	Side Panel,Left (Not Replacement Item)
209- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
210	92LCAB2475CS1	J	AK	Side Panel Ass'y,Right
210- 1	—	—	—	Side Panel,Right (Not Replacement Item)
210- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
211	GCOVA1135AWSB	J	AG	Cover,CD Tray
213	MLIFP0003AWZZ	J	AE	Damper
214	MSPRD0092AWFJ	J	AB	Spring,Cassette,Tape 1
215	LCHSM0045AWFW	J	AR	Main Chassis
△ 216	QACCB0003AW00	J	BA	AC Power Supply Cord [410W/420W for Hong Kong]
△ 216	QACCE0008AW00	J	AG	AC Power Supply Cord [410W/420W Except for Saudi Arabia/Hong Kong/Taiwan]
△ 216	92LCORDA1387C	J	AP	AC Power Supply Cord [415W]
△ 216	92LCORDT1699A	J	AL	AC Power Supply Cord [410W/420W for Taiwan]
△ 216	92LCORDS577B	J	AM	AC Power Supply Cord [410W/420W for Saudi Arabia]
217	92LN-BAND1318A	J	AA	Nylon Band,80mm
218	LANGT0043AWFW	J	AC	Bracket,Heat Sink Support
220	LANGT0045AWFW	J	AD	Bracket,Terminal
221	JKNBZ0335AWSA	J	AC	Knob,Tuner/Memory
222	JKNBZ0334AWSA	J	AD	Knob,Function
223	JKNBZ0332AWSA	J	AD	Knob,Operation A
224	JKNBZ0333AWSA	J	AC	Knob,Operation B
225	JKNBZ0337AWSB	J	AD	Knob,X-BASS
226	JKNBZ0336AWSA	J	AC	Knob,Open/Close,Rec./Playback
227	MLEVP0068AWZZ	J	AB	Lever,Change
228	LCHSZ0011AWZZ	J	AG	Chassis,CD Mechanism
229	NGERK0004AWZZ	J	AB	Gear,Bevel
230	MSPRC0021AWFJ	J	AB	Spring,Worm Wheel
231	NGERW0006AWZZ	J	AC	Gear,Worm Wheel
232	NPLYD0001AWZZ	J	AB	Pulley
233	NGERK0005AWZZ	J	AB	Gear>Loading
234	MLEVP0066AWZZ	J	AE	Lever,Shift
235	NGERH0064AWZZ	J	AD	Gear,Cam
236	NGERK0003AWZZ	J	AC	Gear,Drive
237	LHLDZ1141AWZZ	J	AB	Support,Pitch
238	NGERH0065AWZZ	J	AB	Gear,Turntable
239	NBLTK0029AWZZ	J	AB	Belt,Drive
240	MSPRD0044AWFJ	J	AB	Spring,Lock Lever
241	MLEVP0067AWZZ	J	AC	Lever,Lock
242	LCHSZ0010AWZZ	J	AM	Chassis>Loading
243	NROLP0009AWZZ	J	AB	Roller
244	MLEVP0070AWZZ	J	AB	Lever,T/T Lock
245	MSPRC0020AWFJ	J	AB	Spring,T/T Lock Lever
246	GCAB-1044AWSA	J	AM	CD Player Base
247	LHLDZ1139AWSA	J	AD	Support,Stabilizer
248	92LHOLD2037AS1	J	AK	Stabilizer Ass'y
248- 1	—	—	—	Stabilizer (Not Replacement Item)
248- 2	PMAGF0001AWZZ	J	AF	Magnet

CD-C410W/C415W/C420W,CP-C410/C415/SR410

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
↓ 248- 3	92LSUPT1749D	J	AA	Bracket,Magnet
249	NTNT-0018AWSA	J	AK	Turntable
250	LHLDZ1140AWZZ	J	AB	Guide
252	PRDAR0069AWFW	J	AF	Heat Sink
253	LANGT0042AWFW	J	AC	Bracket
254	92LRDAT-1468B	J	AE	Heat Sink,Fin Type,Small
255	LBSC0002AWZZ	J	AD	Bushing,AC Power Supply Cord
256	PCUSG0027AWZZ	J	AB	Worm Wheel Cushion
257	MSPRC0024AWFW	J	AB	Spring,Solenoid
△ 260	92LFSHOLD1652T	J	AB	Holder,Fuse
261	TSPC-0433AWZZ	J	AD	Label,Specifications [410W for Taiwan]
261	TSPC-0436AWZZ	J	AD	Label,Specifications [420W for Taiwan]
262	92LCAUT1706B	J	AA	Label,Caution
263	LHLDZ1087AWSA	J	AC	Holder,FL Display
△ 264	92LLUG1746A	J	AA	Lug,Terminal
265	PSLDM5002AWZZ	J	J	Shield
266	92LCAUT1706A1	J	AC	Label,Class 1
601	XESSD30P10000	J	AA	Screw,ø3×10mm
602	LX-JZ0022AFFD	J	AA	Screw,ø3×8mm
603	XEBSD30P10000	J	AA	Screw,ø3×10mm
604	XHBSD40P08000	J	AA	Screw,ø4×8mm
605	XJBSD30P06000	J	AA	Screw,ø3×6mm
606	XJBSE30P10000	J	AA	Screw,ø3×10mm
608	XEBSE30P12000	J	AA	Screw,ø3×12mm
610	LX-TZ0019AFZZ	J	AB	Screw,Spechal
612	XEBSD30P12000	J	AA	Screw,ø3×12mm
613	LX-EZ0005AWFD	J	AA	Screw,Special
614	XJSSF30P10000	J	AA	Screw,ø3×10mm
617	LX-JZ0002AWFD	J	AA	Screw,ø3×10mm
618	XJBSD30P08000	J	AA	Screw,ø3×8mm
619	LX-JZ0003AWFF	J	AA	Screw,ø3×12mm

ACCESSORIES/PACKING PARTS

QANTL0006AWZZ	J	AG	AM Loop Antenna
SPAKA0124AWZZ1	J	AH	Packing Add.,Left/Right
SPAKC0516AWZZ	J	AQ	Packing Case [410W]
SPAKC0517AWZZ	J	AQ	Packing Case [415W]
SPAKC0522AWZZ	J	AR	Packing Case [420W]
SPAKP0013AWZZ1	J	AC	Polyethylene Bag,Unit
SPAKZ0265AWZZ	J	AB	Sheet
TCAUA0012AWZZ	J	AB	Caution,Operation Manual [410W/420W for Taiwan]
TCAUS0014AWZZ	J	AC	Safety Caution [410W/420W for Taiwan]
TINSE0161AWZZ	J	AE	Operation Manual [415W]
TINSZ0216AWZZ	J	AE	Operation Manual [410W]
TINSZ0221AWZZ	J	J	Operation Manual [420W]
92LBAG1460C1	J	AB	Polyethylene Bag, Accessories
92LBAG1770A	J	AB	Polyethylene Bag,AC Power Supply Cord [410W/420W Only]
92LBAG760C	J	AA	Polyethylene Bag,AC Plug Adaptor [410W/420W Only]
92LFANT1746A	J	AD	FM Antena
92LGCARD1266E1	J	AC	Warranty Card [415W Only]
92LLABL1507B	J	AA	Label,Made in Malaysia [410W Only]
92LPANEL713A	J	AB	Label,Made in Malaysia [410W/420W Only]
92LPLUG027	J	AD	AC Plug Adaptor [410W/420W Only]
92LPLUG155A	J	AG	AC Plug Adaptor [410W/420W Only]
RRMCG0100AWSA	J	AR	Remote Control [415W]
RRMCG0099AWSA	J	AR	Remote Control [410W/420W]
92LLiD1782A	J	J	Battery Lid,Remote Control [415W]

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

PWB-A1~3	92LPWB2533MANS	J	—	Main/Display/Headphones (Combined Ass'y) [410W]
PWB-A1~3	92LPWB2545MANS	J	—	Main/Display/Headphones (Combined Ass'y) [420W]
PWB-A1~3	92LPWB2534MANS	J	—	Main/Display/Headphones (Combined Ass'y) [415W]
PWB-B	92LPWB2533TUNS	J	—	Tuner [410W/420W]
PWB-B	92LPWB2534TUNS	J	—	Tuner [415W]
PWB-C	92LPWB2533TUNS	J	—	Power [410W/420W]
PWB-C	92LPWB2534TUNS	J	—	Power [415W]

PWB-D	QPWBF0106AWZZ	J	AF	Tape Mechanism (PWB Only)
PWB-E	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-F	QPWBF0341AWZZ	J	AB	Sensor (PWB Only)

CP-C410

SPEAKER BOX PARTS

701	92L121-0068	J	AP	Net Frame Ass'y
702	92L051-0026	J	AQ	Speaker Box Ass'y
703	92L291-0032	J	J	Speaker Cord
704	92L351-0119	J	AB	Label,Specification
705	92L316-0022	J	J	Panel,Duct
706	92L394-0024	J	AC	Port Cushion
707	92L302-0008	J	AE	Support,Woofer
708	92L372-0023	J	AB	Screw,ø4×35mm
SP1,2	VSP0010PBS78A	J	AU	Speaker,Woofer

ACCESSORIES/PACKING PARTS

92L353-0042	J	AB	Label,Feature
92L411-0064	J	J	Polyethylene Bag,Speaker
92L412-0063	J	AM	Packing Add.,Speaker (Top/Bottom)
92L414-0007	J	J	Mirror Mat
92L416-0019	J	AE	Pad,Speaker

CP-C415

SPEAKER BOX PARTS

701	92L20100041510	J	J	Net Frame Ass'y
702	92L20300270010	J	AL	Duct Panel
703	92L10002405W10	J	AY	Speaker Box Ass'y
704	92L44010211900	J	AC	Port Cushion (Right)
705	92L3141C270010	J	AF	Internal Lead Ass'y
706	92L3121C270010	J	J	Speaker Cord
707	92L6000C415W00	J	AD	Label,Specification
708	92L411B84035AB	J	AD	Screw,ø4×35mm
709	92L411B930100P	J	AC	Screw,ø3×10mm
710	92L21000270000	J	AF	Support,Woofer
711	92L20500270000	J	AH	Duct (Left)
712	92L44010310300	J	AC	Port Cushion (Left)
713	92L44210210300	J	AD	Duct Cushion
SP1,2	92L303R0300110	J	AN	Super Tweeter Ass'y
SP3,4	VSP0010PBT48A	J	J	Woofer

ACCESSORIES/PACKING PARTS

92L6100C415W00	J	AH	Label,Feature
92L70032000710	J	AE	Polyethylene Bag,Speaker
92L71525001500	J	AE	Mirror Mat
92L720PC270000	J	AM	Packing Add.,Speaker (Top/Bottom)
92L74031000400	J	AD	Pad,Speaker

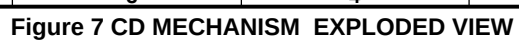
CP-SR410

SPEAKER BOX PARTS

701	92L121-0069	J	AN	Net Frame Ass'y
702	92L314-0016	J	J	Bottom Cabinet
703	92L291-0033	J	AK	Speaker Cord Ass'y
704	XEBSD30P20000	J	AA	Screw,ø3×20mm
705	92L351-0153	J	J	Label,Specifications
SP1,2	VSP0010PBT6WA	J	J	Speaker,Woofer

PACKING PARTS

92L411-0063	J	J	Polyethylene Bag,Speaker
92L412-0064	J	J	Packing Add.,Speaker (Top/Bottom)



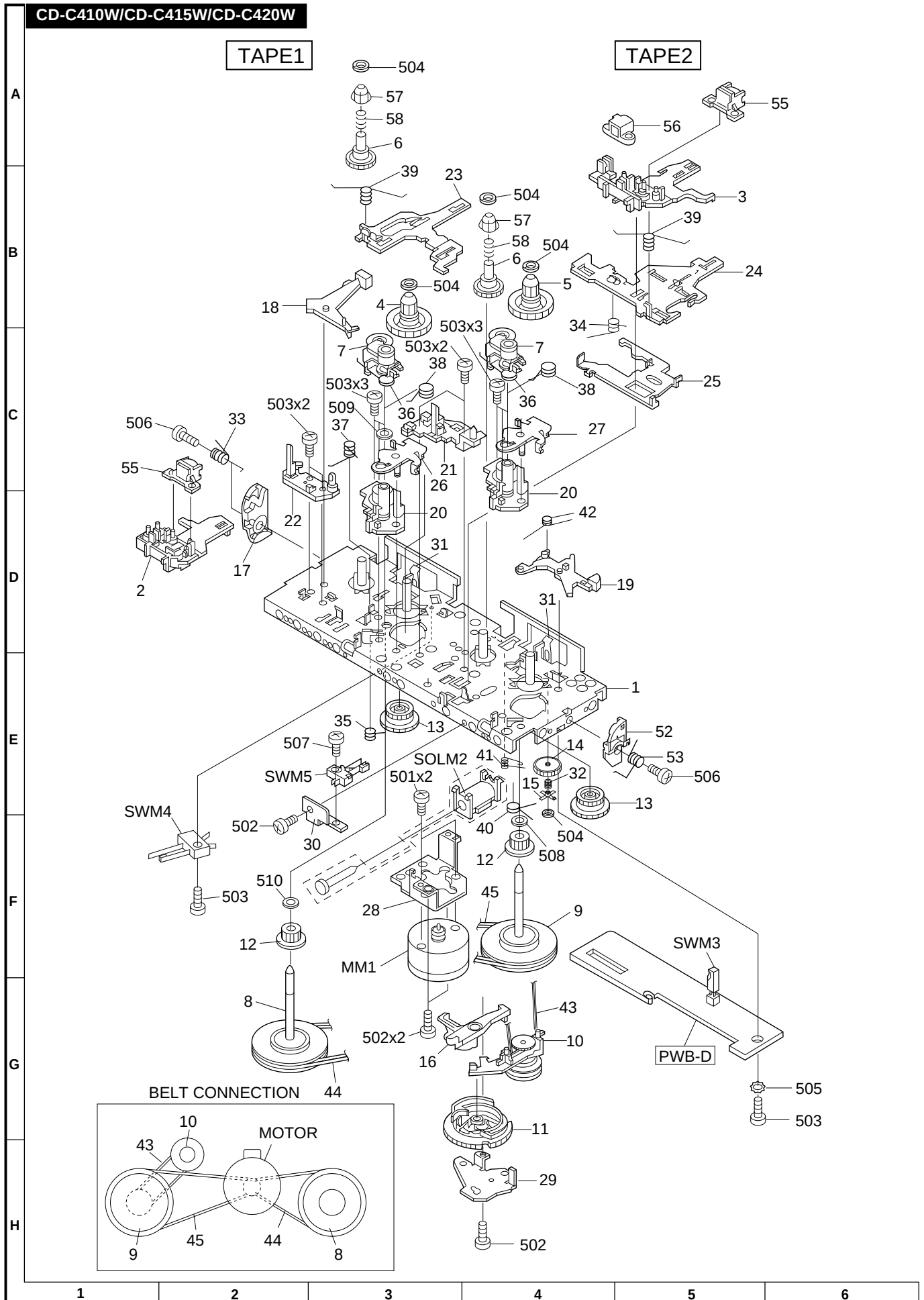


Figure 8 TAPE MECHANISM EXPLODED VIEW

CD-C410W/CD-C415W/CD-C420W

A

B

C

D

E

F

G

H

1

2

3

4

5

6

CD-C420W

CD-C410W/ C420W Taiwan Only

CD-C410W/ C415W

PWB-A1

PWB-A2

PWB-A3

PWB-A4

PWB-B

PWB-C

TAPE MECHANISM

203

209

209-1

209-2

201

201-1

201-2

201-3

201-4

204

204-1

204-2

206

206-1

206-2

210

210-1

210-2

215

217

218

220

221

222

223

224

225

226

253

254

255

261

263

264x2

266x4

268x2

269x2

269x4

269x6

269x8

269x10

269x12

269x14

269x16

269x18

269x20

269x22

269x24

269x26

269x28

269x30

269x32

269x34

269x36

269x38

269x40

269x42

269x44

269x46

269x48

269x50

269x52

269x54

269x56

269x58

269x60

269x62

269x64

269x66

269x68

269x70

269x72

269x74

269x76

269x78

269x80

269x82

269x84

269x86

269x88

269x90

269x92

269x94

269x96

269x98

269x100

269x102

269x104

269x106

269x108

269x110

269x112

269x114

269x116

269x118

269x120

269x122

269x124

269x126

269x128

269x130

269x132

269x134

269x136

269x138

269x140

269x142

269x144

269x146

269x148

269x150

269x152

269x154

269x156

269x158

269x160

269x162

269x164

269x166

269x168

269x170

269x172

269x174

269x176

269x178

269x180

269x182

269x184

269x186

269x188

269x190

269x192

269x194

269x196

269x198

269x200

269x202

269x204

269x206

269x208

269x210

269x212

269x214

269x216

269x218

269x220

269x222

269x224

269x226

269x228

269x230

269x232

269x234

269x236

269x238

269x240

269x242

269x244

269x246

269x248

269x250

269x252

269x254

269x256

269x258

269x260

269x262

269x264

269x266

269x268

269x270

269x272

269x274

269x276

269x278

269x280

269x282

269x284

269x286

269x288

269x290

269x292

269x294

269x296

269x298

269x300

269x302

269x304

269x306

269x308

269x310

269x312

269x314

269x316

269x318

269x320

269x322

269x324

269x326

269x328

269x330

269x332

269x334

269x336

269x338

269x340

269x342

269x344

269x346

269x348

269x350

269x352

269x354

269x356

269x358

269x360

269x362

269x364

269x366

269x368

269x370

269x372

269x374

269x376

269x378

269x380

269x382

269x384

269x386

269x388

269x390

269x392

269x394

269x396

269x398

269x400

269x402

269x404

269x406

269x408

269x410

269x412

269x414

269x416

269x418

269x420

269x422

269x424

269x426

269x428

269x430

269x432

269x434

269x436

269x438

269x440

269x442

269x444

269x446

269x448

269x450

269x452

269x454

269x456

269x458

269x460

269x462

269x464

269x466

269x468

269x470

269x472

269x474

269x476

269x478

269x480

269x482

269x484

269x486

269x488

269x490

269x492

269x494

269x496

269x498

269x500

269x502

269x504

269x506

269x508

269x510

269x512

269x514

269x516

269x518

269x520

269x522

269x524

269x526

- 9 -

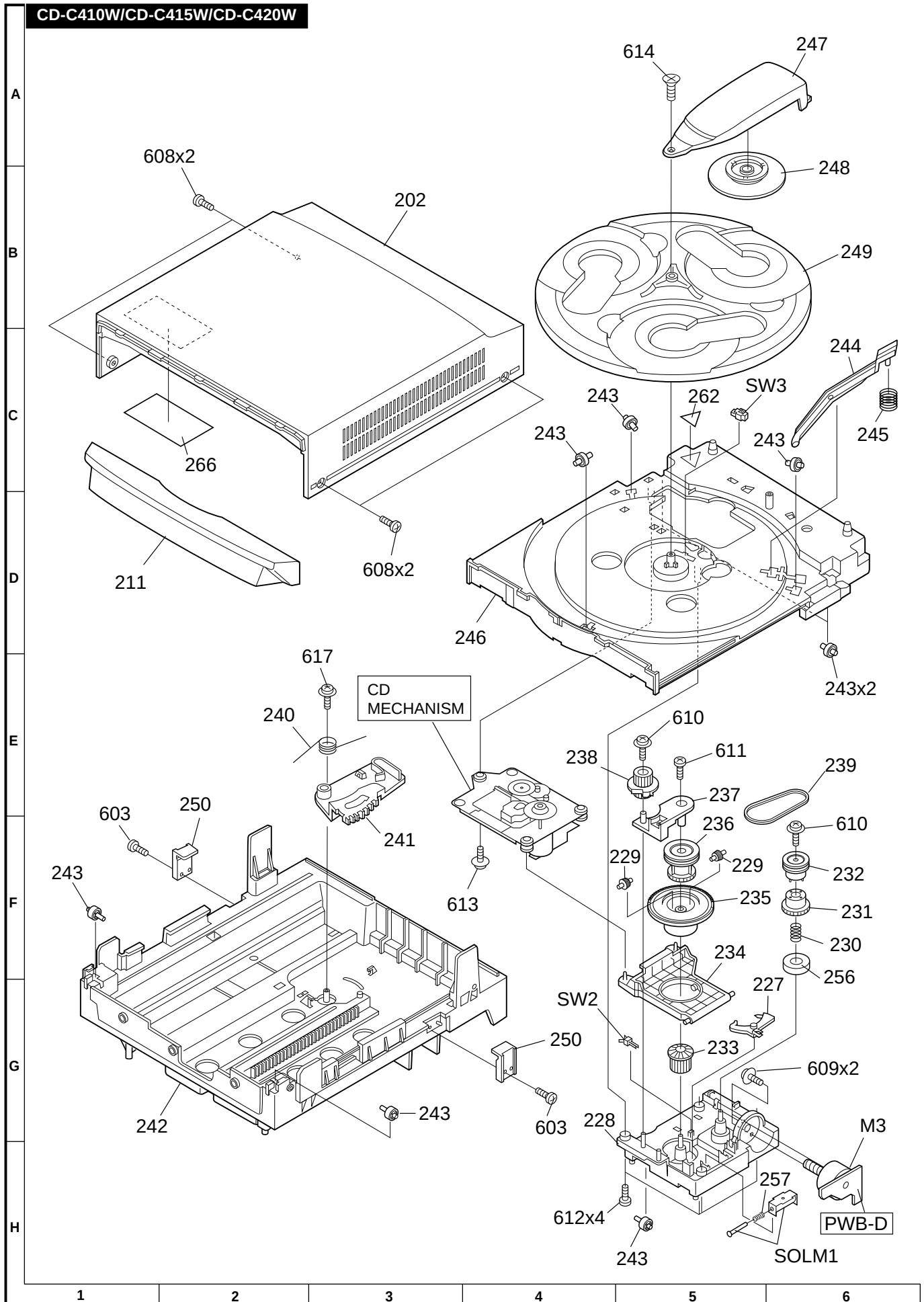


Figure 10 CABINET EXPLODED VIEW (2/2)

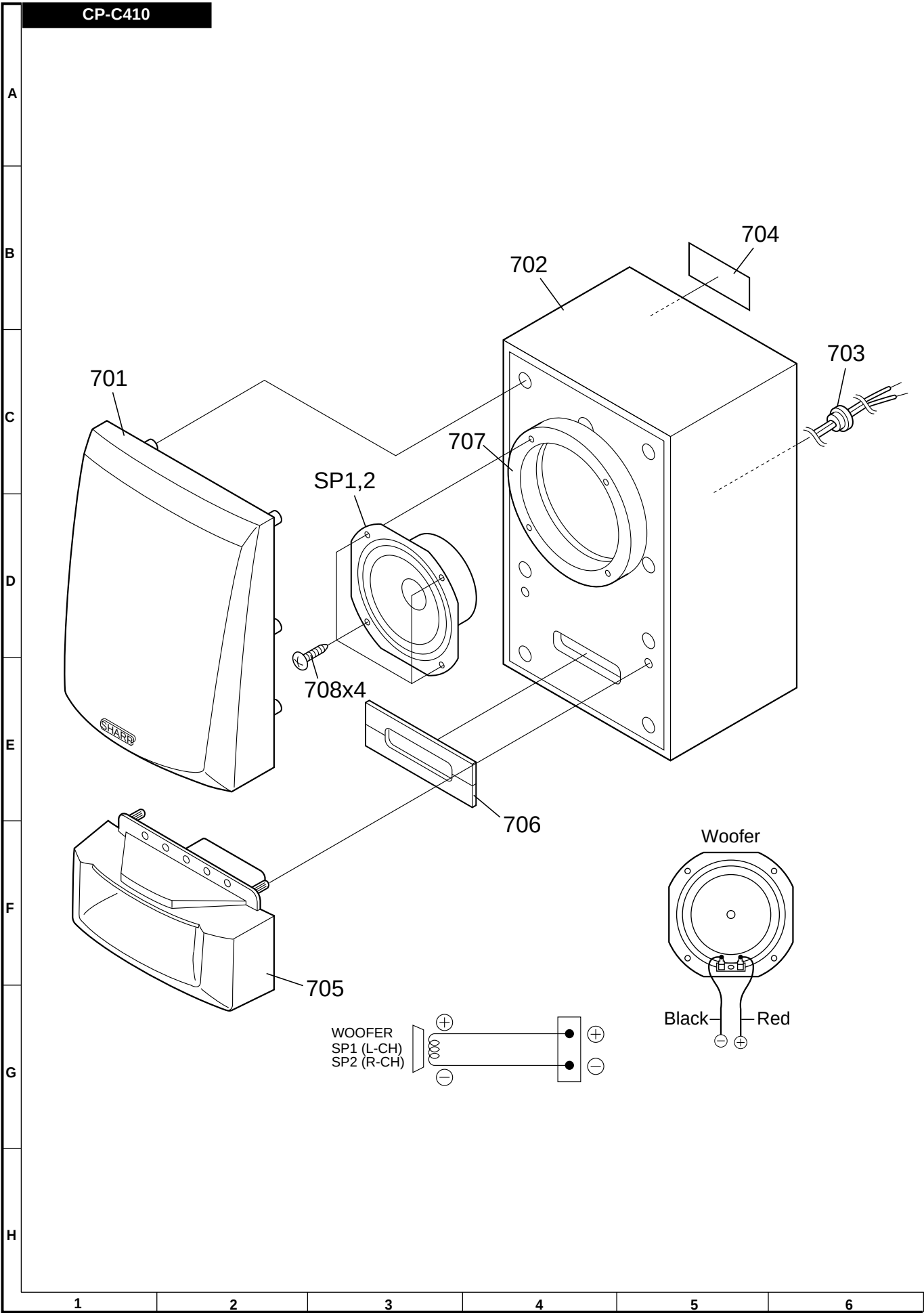


Figure 11 SPEAKER EXPLODED VIEW (1/3)

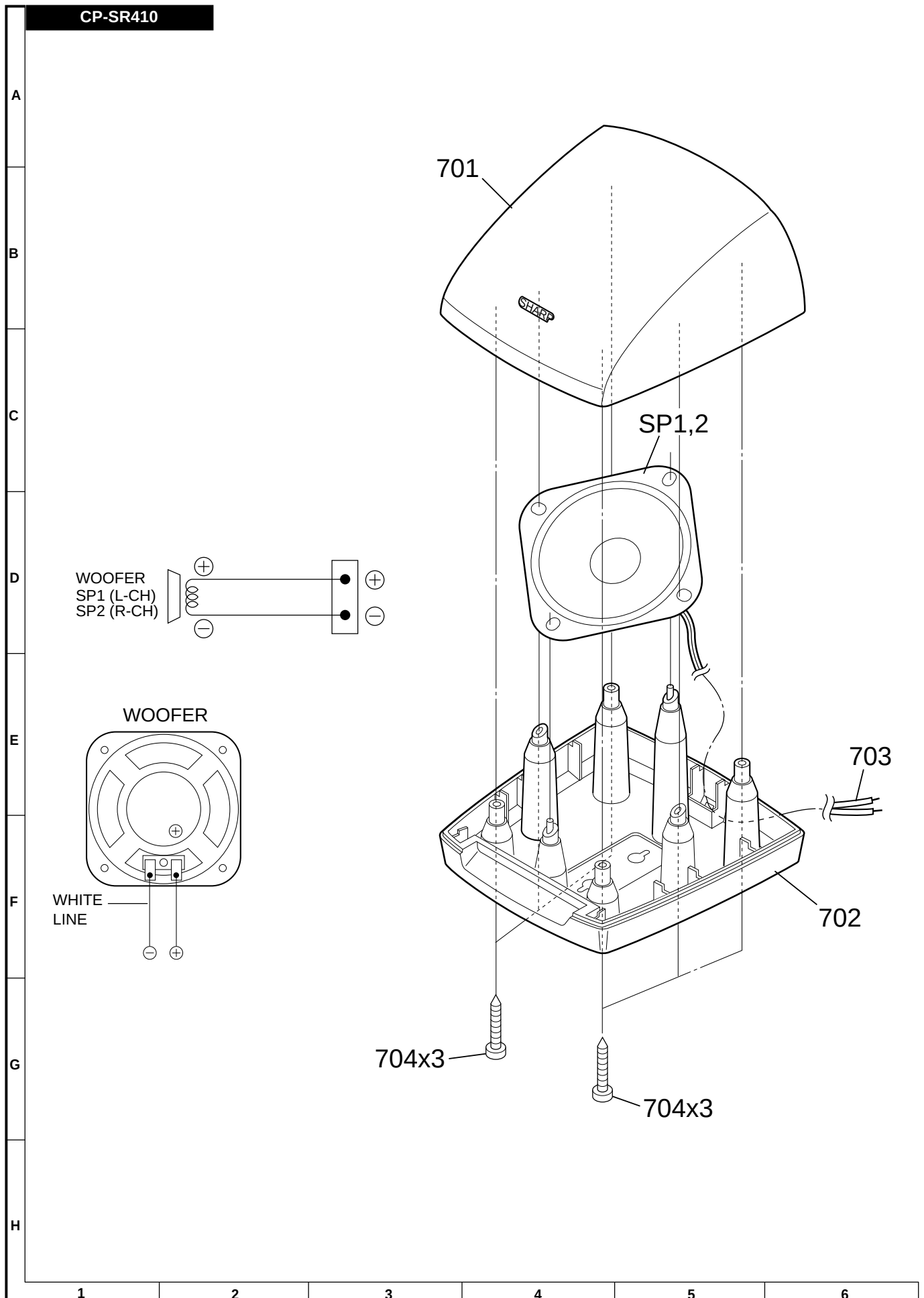


Figure 12 SPEAKER EXPLODED VIEW (2/3)

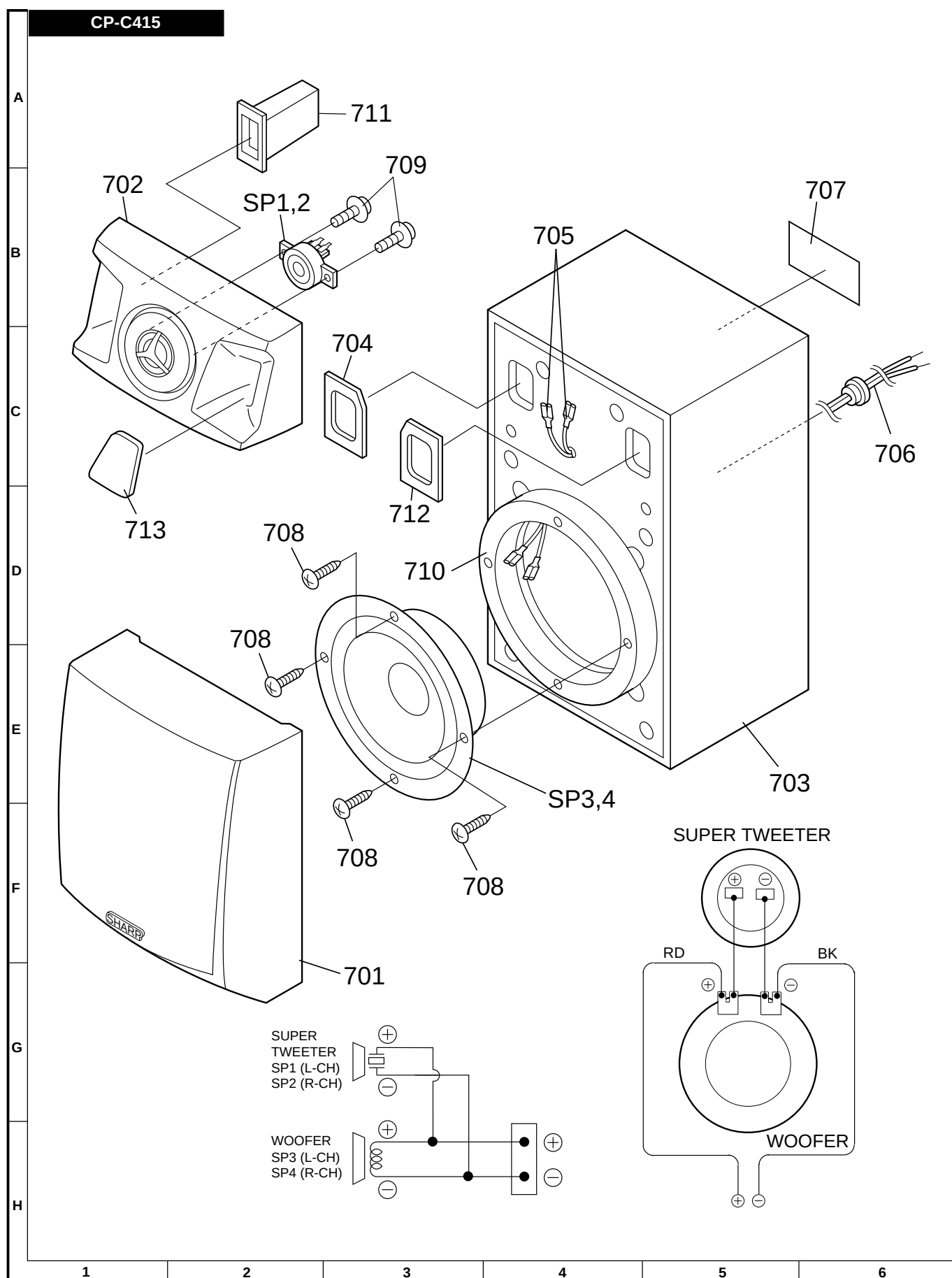


Figure 13 SPEAKER EXPLODED VIEW (3/3)

A9706-2630NS•HA•M

Printed in Japan
EX•SA•SZ