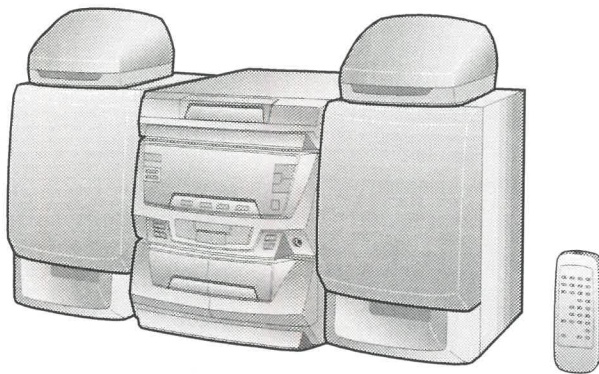


SHARP SERVICE MANUAL

No. S2714CDC420//



Q4

Illustration: CD-C420/420C,CP-C420,CP-SR420

CD-C420
CD-C420C
CP-C420
CP-SR420
CD-C2700
CD-C2700C
CP-C2700

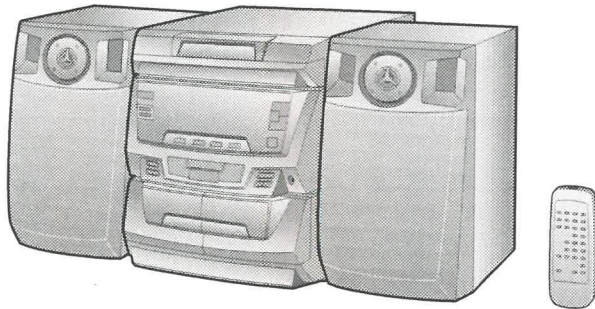


Illustration: CD-C2700/2700C,CP-C2700

COMPACT
disc
DIGITAL AUDIO

CD-C420, CP-C420 and CP-SR420 constitute CD-C420.
 CD-C2700 and CP-C2700 constitute CD-C2700.
 CD-C420C, CP-C420 and CP-SR420 constitute CD-C420C.
 CD-C2700C and CP-C2700 constitute CD-C2700C.

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

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BLOCK DIAGRAM	15
SCHEMATIC DIAGRAM / WIRING SIDE OF P.W.BOARD	18
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FUNCTION TABLE OF IC	37
FL DISPLAY	44
REPLACEMENT PARTS LIST/EXPLODED VIEW	
PACKING OF THE SET (FOR CD-C420/CD-C2700 ONLY)	

SHARP CORPORATION
SHARP ELECTRONICS CORPORATION

Service Headquarters: Sharp Plaza, Mahwah, New Jersey 07430-2135

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

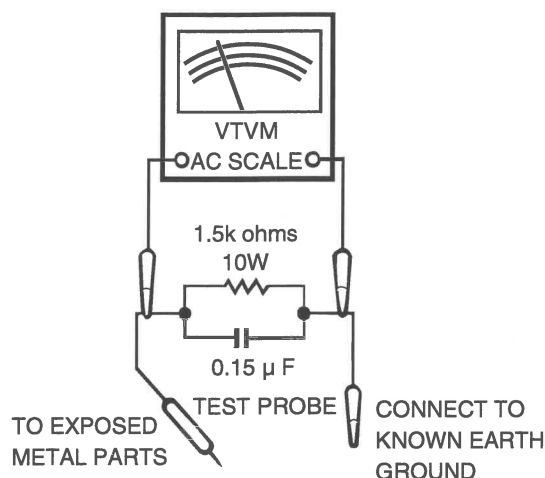
IMPORTANT SERVICE NOTES (FOR CD-C420/CD-C2700 ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

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

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - * Plug the AC line cord directly into a 120 volt AC outlet.
 - * Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
 - * Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
 - * Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



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

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

CD-C420/C, CD-C2700/C

● General

Power source:	AC 120 V, 60 Hz
Power consumption: (CD-C420/C)	40 W
Power consumption: (CD-C2700/C)	50 W
Dimensions:	Width; 10-5/8" (270 mm) Height; 11-13/16" (300mm) Depth; 14-3/16" (359.5mm)
Weight: (CD-C420/C)	10.4 lbs. (4.7 kg)

Weight: (CD-C2700/C)	11.5 lbs. (5.2 kg)
--------------------------------	--------------------

● Amplifier section

Output power: (CD-C420)	10 watts minimum RMS per channel into 6 ohms from 80 Hz to 20 kHz, 10 % total harmonic distortion
Output power: (CD-C420C)	MPO; 33 W (16.5 W + 16.5 W) (10% T.H.D.) RMS; 20 W (10 W + 10 W) (10 % T.H.D.)
Output power: (CD-C2700)	20 watts minimum RMS per channel into 4 ohms from 100 Hz to 20 kHz, 10 % total harmonic distortion
Output power: (CD-C2700C)	MPO; 60 W (30 W + 30 W) (10% T.H.D.) RMS; 40 W (20 W + 20 W) (10 % T.H.D.)
Output terminals: (CD-C420/C)	Front speakers; 8 ohms Rear speakers; 16 ohms Headphones; 16-50 ohms (recommended; 32 ohms)
Output terminals: (CD-C2700/C)	Speakers; 4 ohms Headphones; 16-50 ohms (recommended; 32 ohms)
Input terminal:	VIDEO/AUX (audio signal); 245 mV/47 kohms

● Tuner section

Frequency range:	FM; 87.5 - 108 MHz AM; 530 - 1,720 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)

SPECIFICATIONS

● 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)

CP-C420

● Front speaker section

Type:	4" (10 cm) full range speaker
Maximum input power:	20 W
Impedance:	8 ohms
Dimensions:	Width; 7-1/8" (180 mm) Height; 11-13/16" (300 mm) Depth; 8-1/16" (204 mm)
Weight:	4.6 lbs. (2.1 kg)/each

CP-SR420

● Rear speaker section

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

CP-C2700

● Speaker section

Type:	2-way type [5-1/8" (13 cm) woofer and super tweeter]
Maximum input power:	40 W
Impedance:	4 ohms
Dimensions:	Width; 7-1/8" (180 mm) Height; 11-13/16" (300 mm) Depth; 8-7/16" (214 mm)
Weight:	5.3 lbs. (2.4 kg)/each

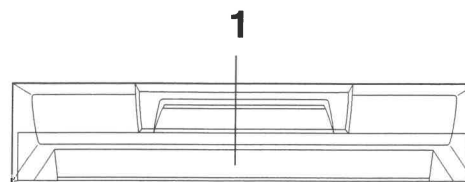
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

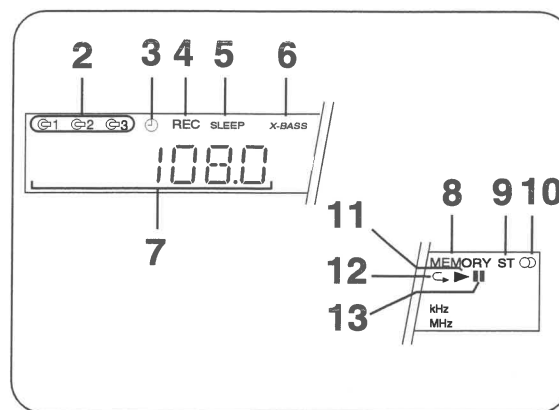
CD-C420/C, CD-C2700/C

■ Front Panel

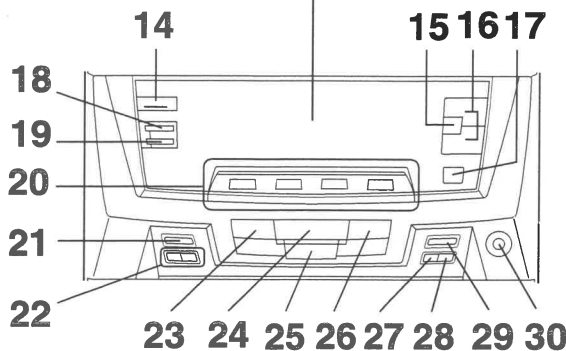
1. Disc Tray



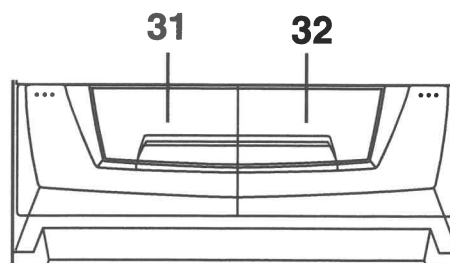
- 2. Disc Number Indicator
- 3. Timer Indicator
- 4. Record Indicator
- 5. Sleep Indicator
- 6. Extra Bass Indicator: X-BASS
- 7. Function/CD Track/CD Counter/Frequency/Preset Channel/Volume/Timer/Sleep Time Indicator
- 8. Memory Indicator
- 9. FM Stereo Mode Indicator: ST
- 10. FM Stereo Indicator: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



- 14. Power Switch
- 15. Extra Bass/Equalizer Mode Button
- 16. Volume Up/Down Buttons:
- 17. Random/Demo Button
- 18. Clock Button
- 19. Timer/Sleep Button
- 20. Function Selector Buttons
- 21. Memory/Set Button
- 22. Tuning and Time Up/Down Buttons:
- 23. Track Down/Review/Preset Down Button:
- 24. Play/Repeat Button:
- 25. Stop Button:
- 26. Track Up/Cue/Preset Up Button:
- 27. Disc Skip Button
- 28. Open/Close Button:
- 29. Record Pause Button:
- 30. Headphone Socket



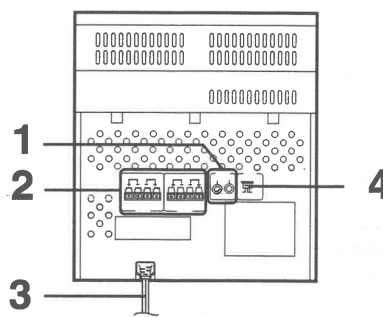
- 31. (TAPE 1) Cassette Compartment
- 32. (TAPE 2) Cassette Compartment



CD-C420/C

■ Rear Panel

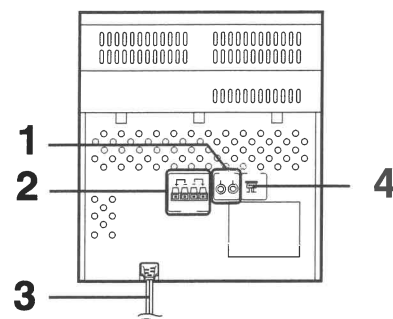
- 1. Video/Auxiliary (Audio Signal) Input Sockets
- 2. Speaker Terminals
- 3. AC Power Lead
- 4. FM/AM Loop Aerial Socket



CD-C2700/C

■ Rear Panel

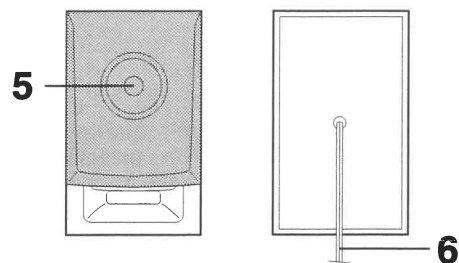
1. Video/Auxiliary (Audio Signal) Input Sockets
2. Speaker Terminals
3. AC Power Lead
4. FM/AM Loop Aerial Socket



CP-C420

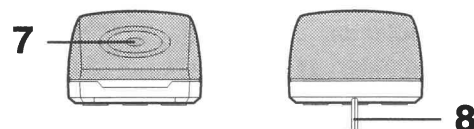
■ Speaker Section

5. Full Range Speaker
6. Speaker Wire



CP-SR420

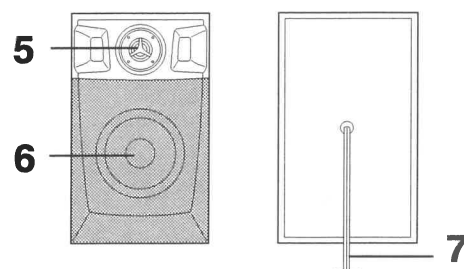
7. Full Range Speaker
8. Speaker Wire



CP-C2700

■ Speaker Section

5. Super Tweeter
6. Woofer
7. Speaker Wire



CD-C420/C, CD-C2700/C

■ Remote Control

1. remote Control Transmitter LED

● CD Control section

2. Disc Number Select Buttons
3. Track Down/Review Button: ◀◀/▶▶
4. Track Up/Cue Button: ▶▶/▶▶
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

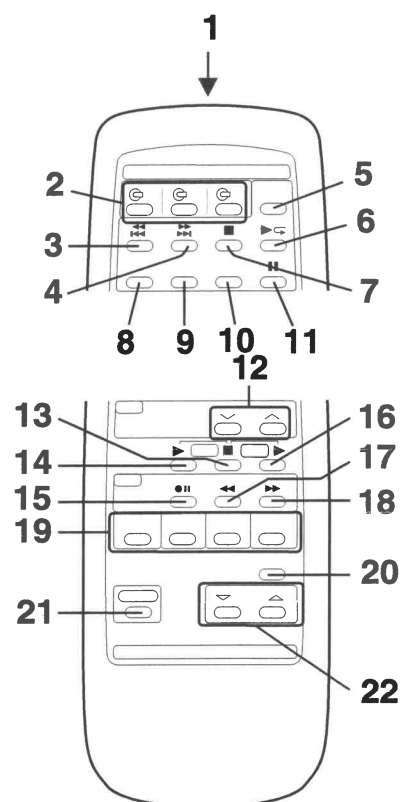
13. (TAPE 1/2) Stop Button: ■
14. (TAPE 1) Play Button: ▶
15. (TAPE 2) Record Pause Button: ●||
16. (TAPE 2) Play Button: ▶
17. (TAPE 2) Rewind Button: ◀◀
18. (TAPE 2) Fast Forward Button: ▶▶

19. Function Selector Buttons

20. Extra Bass/Equalizer Mode Button

21. Power Button

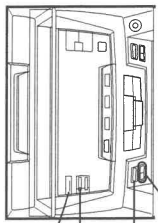
22. Volume Up/Down Buttons: ∇/△



OPERATION MANUAL

SETTING THE CLOCK

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



TUNING/TIME
(V or ^)

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

RESETTING THE MICROCOMPUTER

Reset the microcomputer by performing the following procedure for the cases shown below:

- 1 Press the POWER switch to turn the power off.
 - 2 Press and hold down the VOLUME ▽ button, the ► button, and the POWER switch all at the same time. Hold them for at least 1 second.
- To erase all of the stored memory contents, or
 - If the display does not function properly, or
 - The unit does not operate properly.

- 1 Press the POWER switch to turn the power off.
- 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.
 - "AM 12:00" → The 12-hour display will appear. (AM 12:00 - PM 11:59)
 - "AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)
 - "0:00" → The 24-hour display will appear. (0:00 - 23:59)

- 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 cord 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 cord was disconnected. If this happens follow the procedure below to change the clock time.

To change the clock time:

When the POWER switch is set to OFF.

- ① Press the MEMORY/SET button.
- ② Perform steps 6 - 9 above.

When the POWER 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:

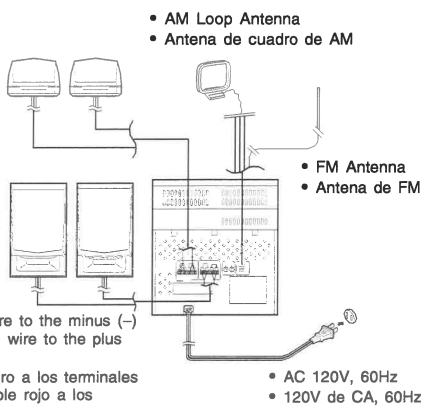
- 1 Press the POWER switch to turn the power off.
- 2 Press and hold down the VOLUME ▽ button, the ► button, and the POWER switch all at the same time. Hold them for at least 1 second.
- 3 Perform steps 1 - 9 above.

Note:

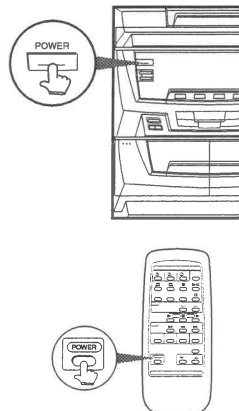
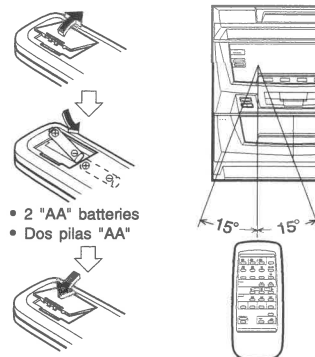
- The operation explained above will erase all data stored in memory, such as clock and timer settings, tuner and CD presets.

SHARP**MINI COMPONENT SYSTEM
CD-C420****Quick-Guide
Guía rápida****Preparation for use
Preparación para su uso**

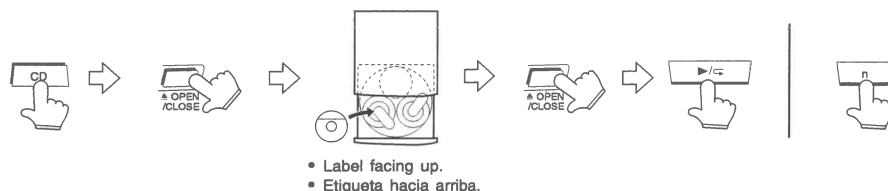
- Connect the wire with the white line to the minus (-) terminal and the plain wire to the plus (+) terminal.
- Conecte el cable con la línea blanca al terminal negativo (-) y el cable sin línea al terminal positivo (+).



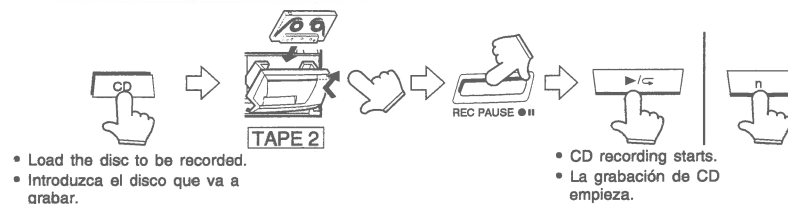
- Connect the black wire to the minus (-) terminals and the red wire to the plus (+) terminals.
- Conecte el cable negro a los terminales negativos (-) y el cable rojo a los positivos (+).

**Turning the power on and off
Conexión y desconexión de la alimentación****Remote control
Control remoto**

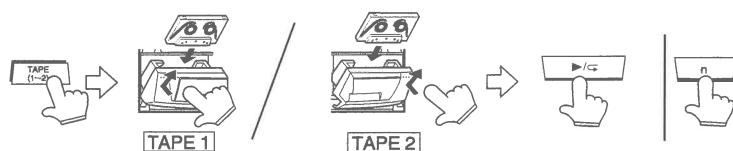
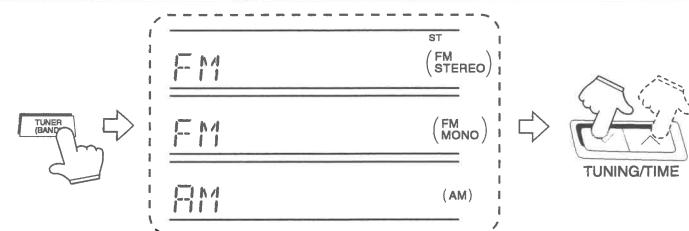
- Batteries are not included.
- No se incluyen las pilas.

**CD playback
Reproducción de discos compactos****Precaution**

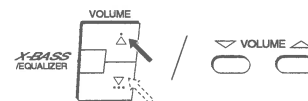
- The sound level at a given volume setting depends on a combination of speaker efficiency, location and various other factors. It is advisable to avoid exposure to high volume levels, which can occur when turning the unit on with the volume control setting up high, or while continually listening at high volume levels.
- Only discs bearing the logo as shown can be played in this unit.

**Recording from CDs
Grabación de discos compactos****Precaución**

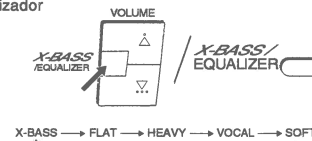
- El nivel de sonido en una posición de volumen fijado depende de una combinación del rendimiento de las bocinas, la posición y otros factores. Es aconsejable evitar un aumento de volumen. Esto se produce, por ejemplo, al conectar el aparato con el volumen puesto en una posición alta. Evite continuar la audición prolongada a altos niveles de sonido.
- En este aparato sólo pueden reproducirse los discos que tengan el logotipo mostrado.

**Tape playback
Reproducción de cintas****Radio operation
Funcionamiento de la radio****Sound control
Control del sonido**

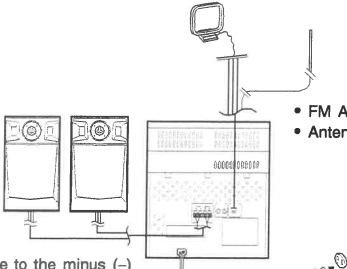
- Volume
- Volumen

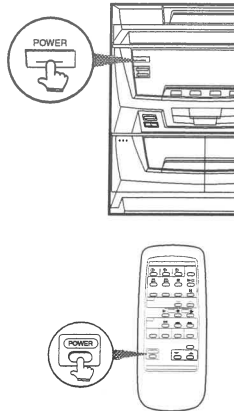


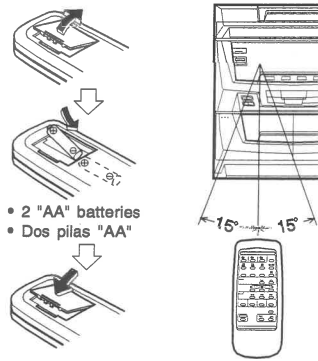
- Extra-BASS/Equalizer
- Bajos extras/Ecualizador

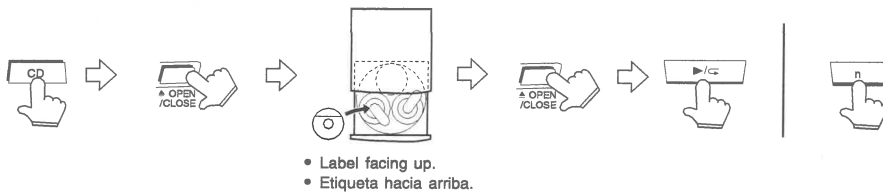


SHARP**MINI COMPONENT SYSTEM
CD-C2700****Quick-Guide
Guía rápida****Preparation for use
Preparación para su uso**

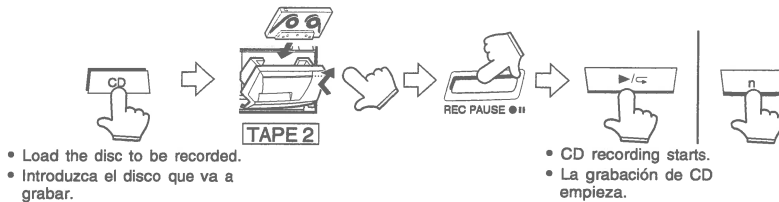
- AM Loop Antenna
• Antena de cuadro de AM
 - FM Antenna
• Antena de FM
- 
- Connect the black wire to the minus (-) terminals and the red wire to the plus (+) terminals.
 - Conecte el cable negro a los terminales negativos (-) y el cable rojo a los positivos (+).
 - AC 120V, 60Hz
• 120V de CA, 60Hz

**Turning the power on and off
Conexión y desconexión de la alimentación****Remote control
Control remoto**

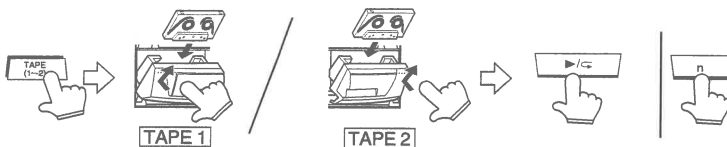
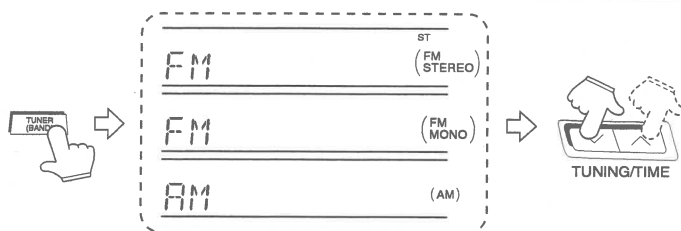
- 
- 2 "AA" batteries
• Dos pilas "AA"
 - Batteries are not included.
• No se incluyen las pilas.

**CD playback
Reproducción de discos compactos****Precaution**

- The sound level at a given volume setting depends on a combination of speaker efficiency, location and various other factors. It is advisable to avoid exposure to high volume levels, which can occur when turning the unit on with the volume control setting up high, or while continually listening at high volume levels.
- Only discs bearing the logo as shown can be played in this unit.

**Recording from CDs
Grabación de discos compactos****Precaución**

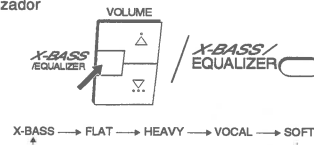
- El nivel de sonido en una posición de volumen fijado depende de una combinación del rendimiento de las bocinas, la posición y otros factores. Es aconsejable evitar un aumento de volumen. Esto se produce, por ejemplo, al conectar el aparato con el volumen puesto en una posición alta. Evite continuar la audición prolongada a altos niveles de sonido.
- En este aparato sólo pueden reproducirse los discos que tengan el logotipo mostrado.

**Tape playback
Reproducción de cintas****Radio operation
Funcionamiento de la radio****Sound control
Control del sonido**

- Volume
• Volumen



- Extra-BASS/Equalizer
• Bajos extras/Ecualizador



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-C420/C, CD-C2700/C

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	8-1
2	Side Panel (Left/right)	1. Screw (B1) x6	8-1
3	CD Player Unit/ CD Tray Cover	1. Turn on the power supply, open the disc tray, take out the CD cover, and close. (Note 1) 2. Hook (C1) x3 3. Hook (C2) x2 4. Socket (C3) x4	8-2
4	Back Board	1. Screw (D1) x4	8-2
5	Main PWB/ Display PWB/ Headphone PWB	1. Screw (E1) x13 2. Socket (E2) x4	9-1
6	Front Panel	1. Screw (F1) x2 2. Hook (F2) x3	9-1
7	Tape Mechanism	1. Open the cassette holder. 2. Screw (G1) x6	9-2
8	Turntable	1. Screw (H1) x1 2. Cover (H2) x1	9-3
9	Disc Tray	1. Screw (J1) x2 2. Guide (J2) x2	9-3
10	CD Changer Mechanism	1. Screw (K1) x4	9-4
11	CD Mechanism	1. Screw (L1) x1	9-4

Note 1:

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

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-C420

STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Front panel (A1) x1 2. Screw (A2) x4	9-5 9-6

CP-SR420

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top cabinet	1. Screw (B1) x6	10-1

CP-C2700

STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Front panel (C1) x1 2. Screw (C2) x4	10-2 10-3

CD-C420/C, CD-C2700/C

(Illustration: CD-C420)

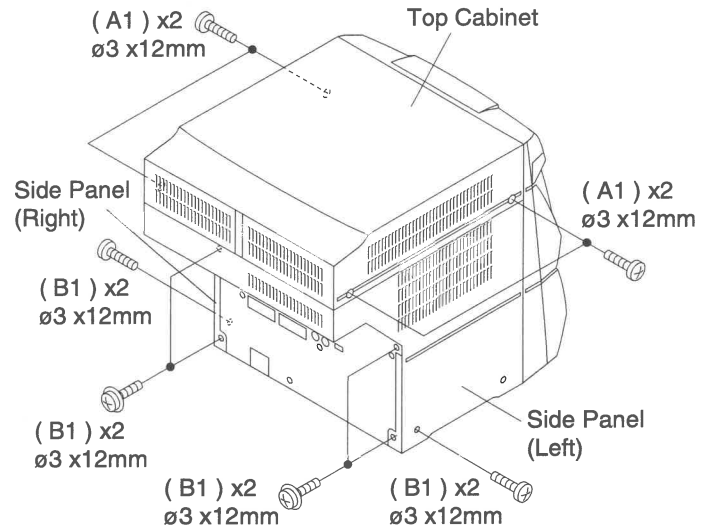


Figure 8-1

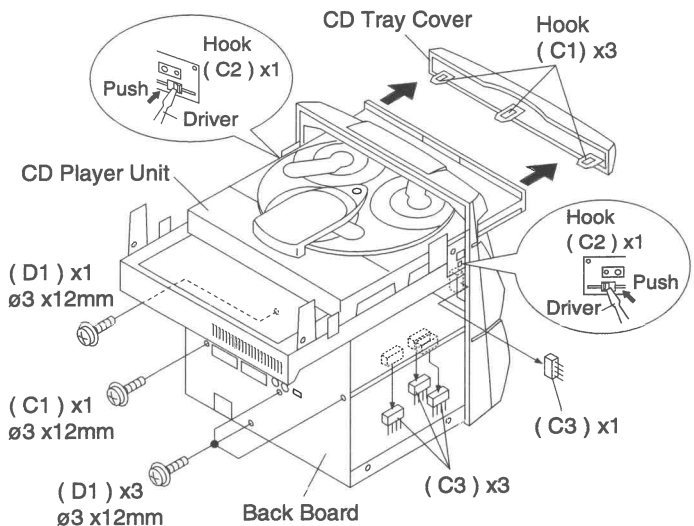


Figure 8-2

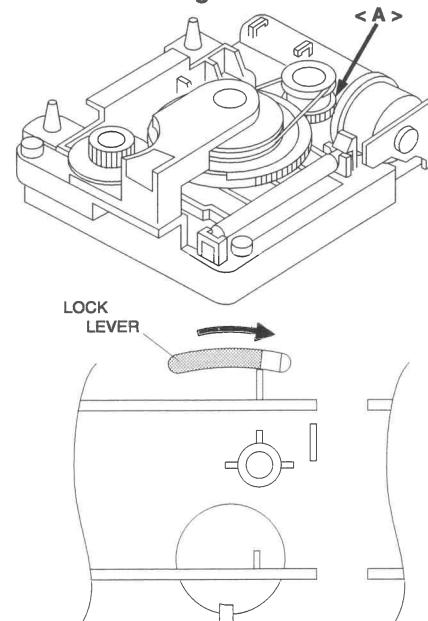


Figure 8-3

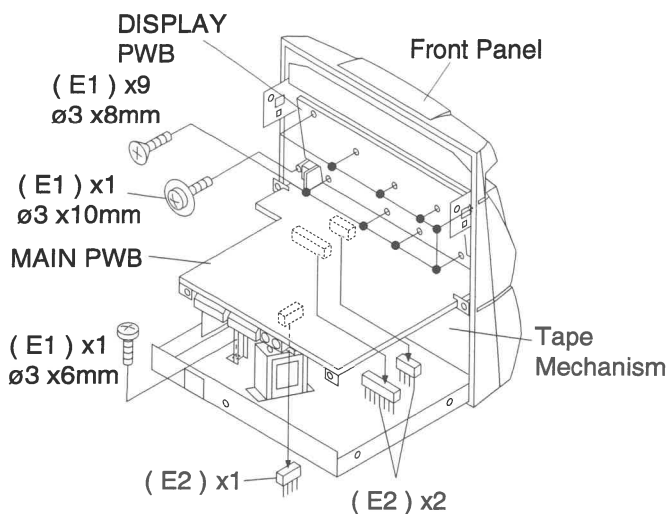


Figure 9-1

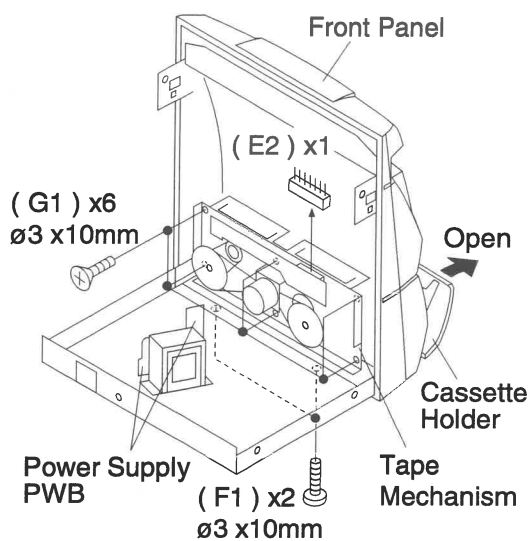


Figure 9-2

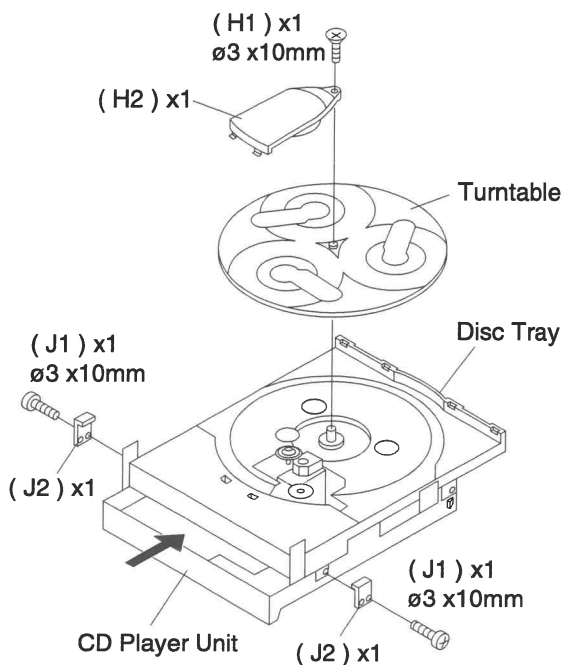
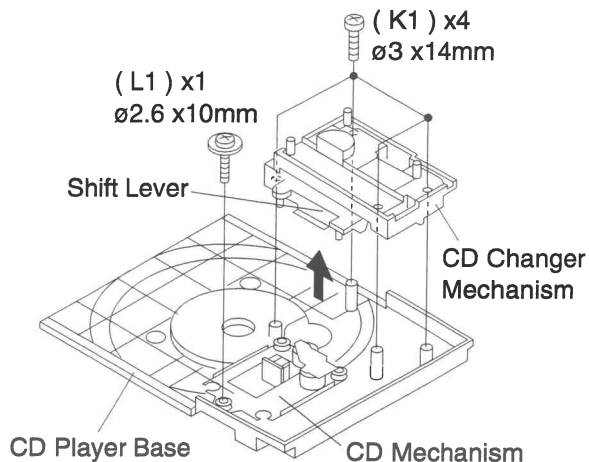


Figure 9-3



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 9-4

CP-C420

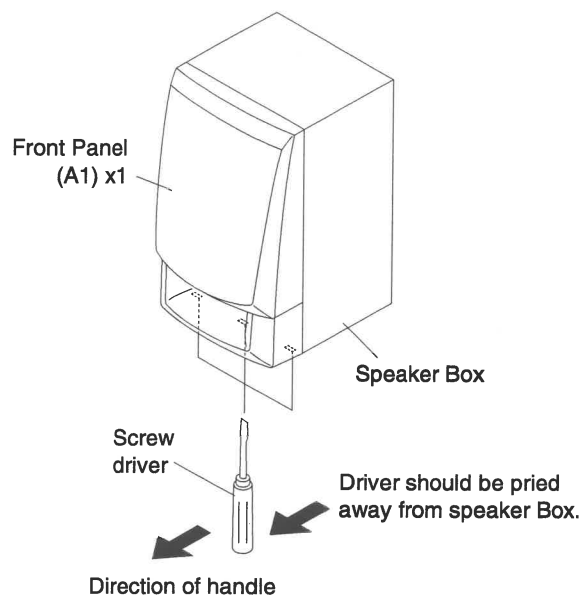


Figure 9-5

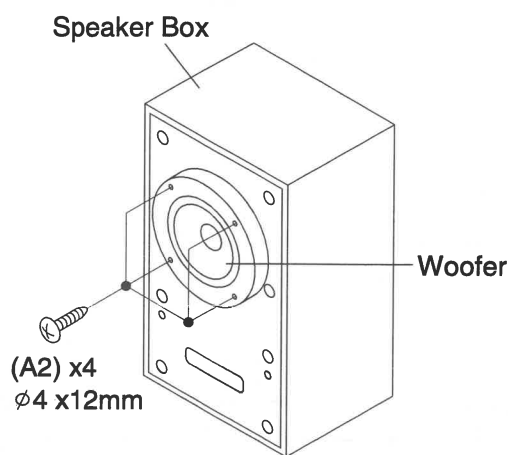


Figure 9-6

CP-SR420

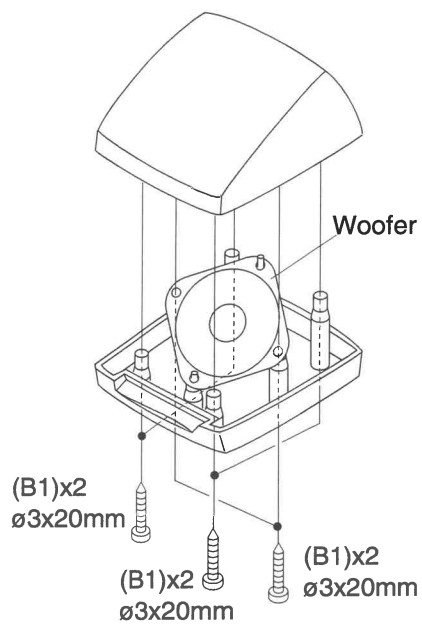


Figure 10-1

CP-C2700

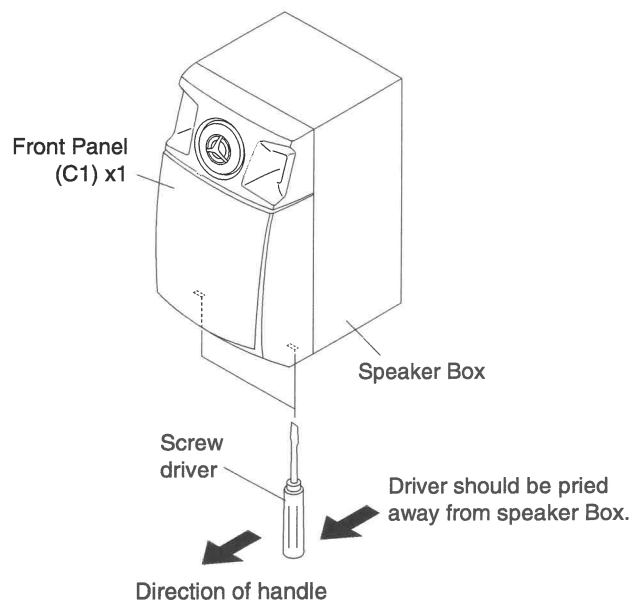


Figure 10-2

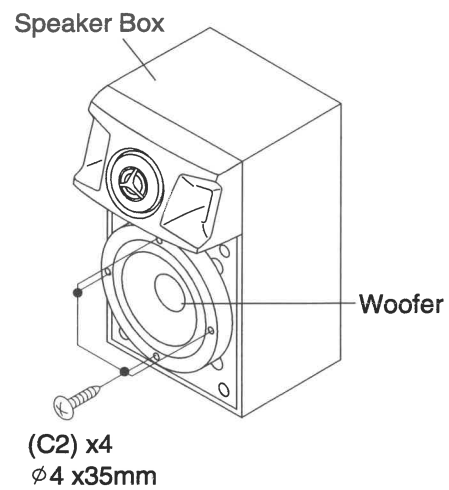


Figure 10-3

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. 11-1)

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

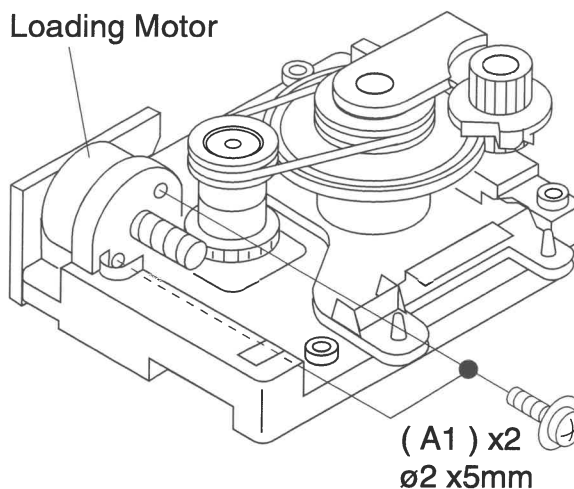


Figure 11-1

How to remove the turntable up/down motor (See Fig. 11-2)

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

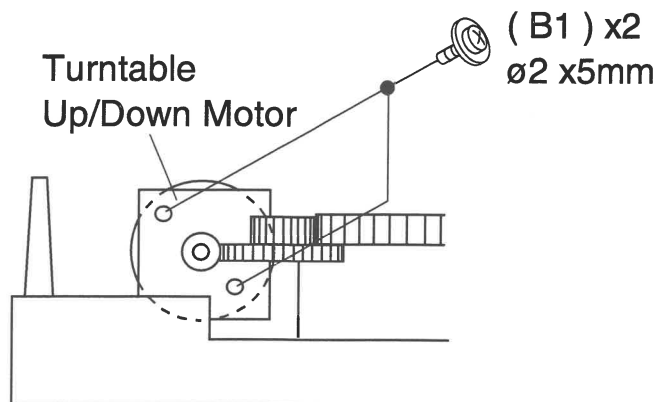


Figure 11-2

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

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.

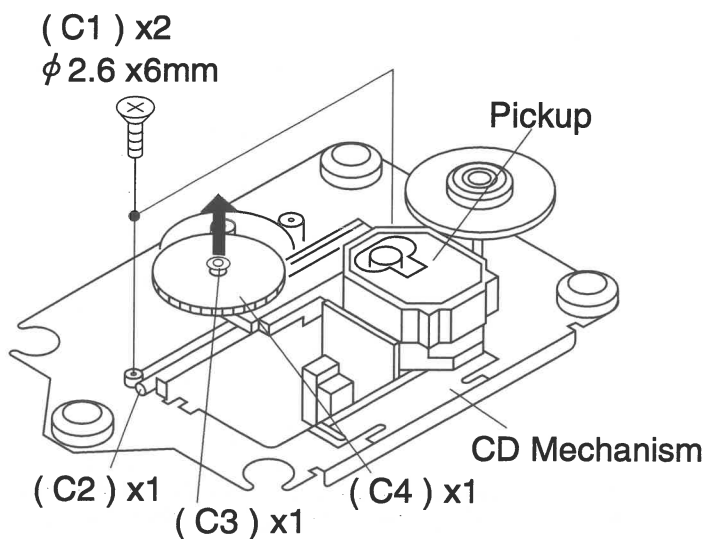


Figure 11-3

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
Normal speed	MTT-111	Volume in motor.	$3,000 \pm 30$ Hz	Speaker terminal (Load resistance: 8 ohms)

TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• AM IF/RF

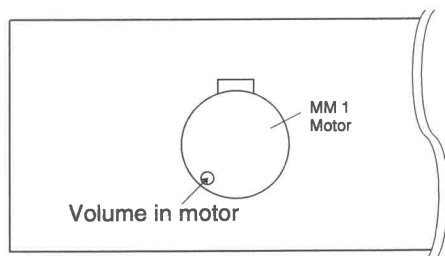
Signal generator: 400 Hz, 30%, AM modulated

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

*1. Input: Antenna, Output: TP302

*2. Input: Antenna, Output: TP301

TAPE MECHANISM



• FM RF

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

Test Stage	Frequency	Frequency Display	Serring/ Adjusting Point	Instrument Connection
Band Coverage	—	87.50 MHz	L303(fL): $3.4 \text{ V} \pm 50 \text{ mV}$	*1
RF	98.00 MHz (10-30 dB)	98.00 MHz	L302	*2

*1. Input: Antenna, Output: TP301

*2. Input: Antenna, Output: Speaker terminal

• Detection

Signal generator: 10.7 MHz, FM sweep generator

Test Stage	Frequency	Frequency Display	Adjusting Parts	Instrument Connection
Detection	10.7 MHz	98.00 MHz	T352	Input: Pin 1 of IC303 Output: TP302
IF	10.7 MHz	98.00 MHz	T301(Turn the core of transformer T352 fully counter-clockwise.)	Input: Pin 1 of IC301 Output: TP302

• VCO Frequency

Frequency	Frequency Display	Adjusting Parts	Instrument Connection
98.00 MHz (60 dB)	98.00 MHz	VR351*	Pin 13, Pin 21 and ground of IC303

* Adjust for 76 kHz \pm 200 Hz.

Notes:

After preparing the test circuit shown in Fig 12-2, connect the Pin 13, Pin 21 and ground of the IC303 with test circuit, and measure the Value.

At this time, apply a standard unmodulated signal input and adjust the VCO.

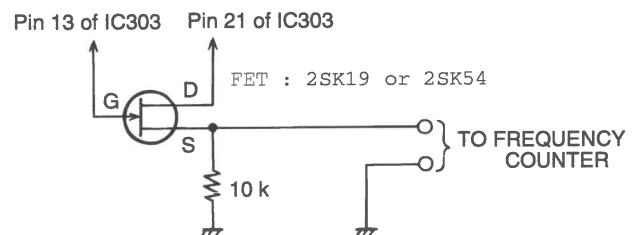


Figure 12-2

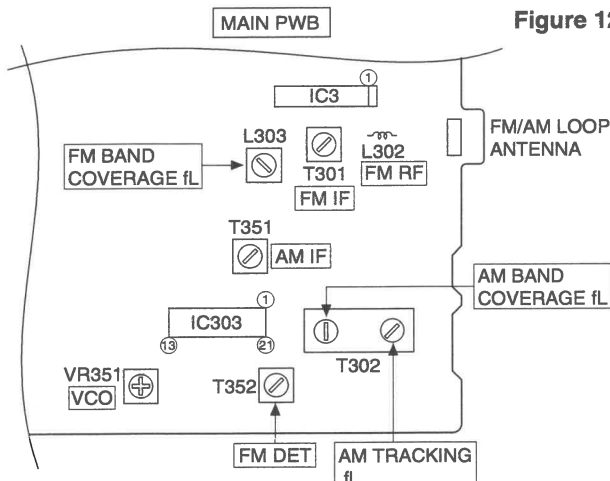


Figure 12-1 ADJUSTMENT POINTS

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. 13-1)

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

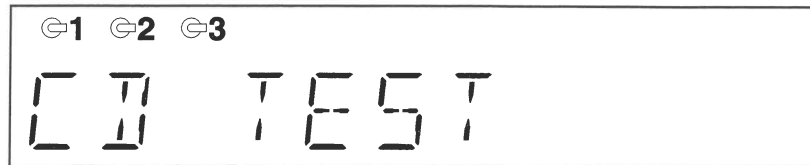


Figure 13-1

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. 13-2)
2. Tracking offset (Fig. 13-3)
3. E/F balance (tracking error balance) (Fig. 13-4)
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.

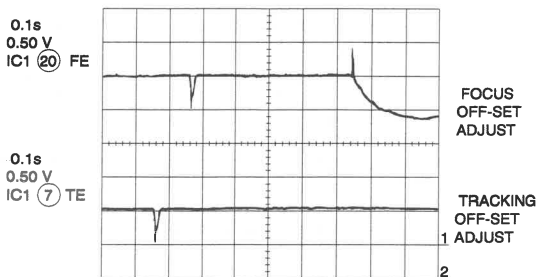


Figure 13-2

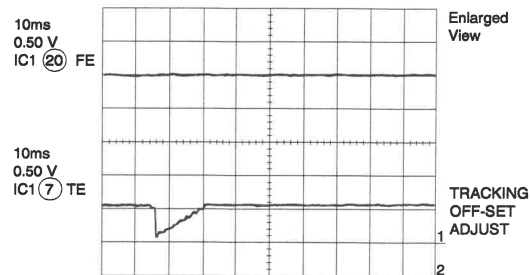


Figure 13-3

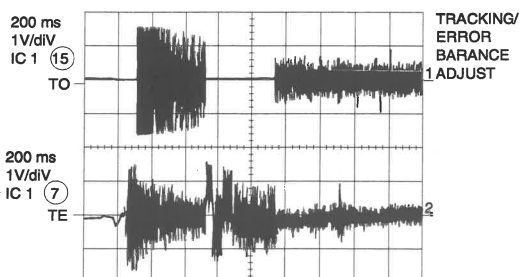


Figure 13-4

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 " \triangle " ($\square = \square = \square$) 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	MWCHA UP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
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

REF. NO	DESCRIPTION	POSITION
SW713	DOWN	ON—OFF
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
SWM 3	FOOL PROOF	ON—OFF
SWM 4	F.A.S.	ON—OFF
SWM 5	CAM	ON—OFF

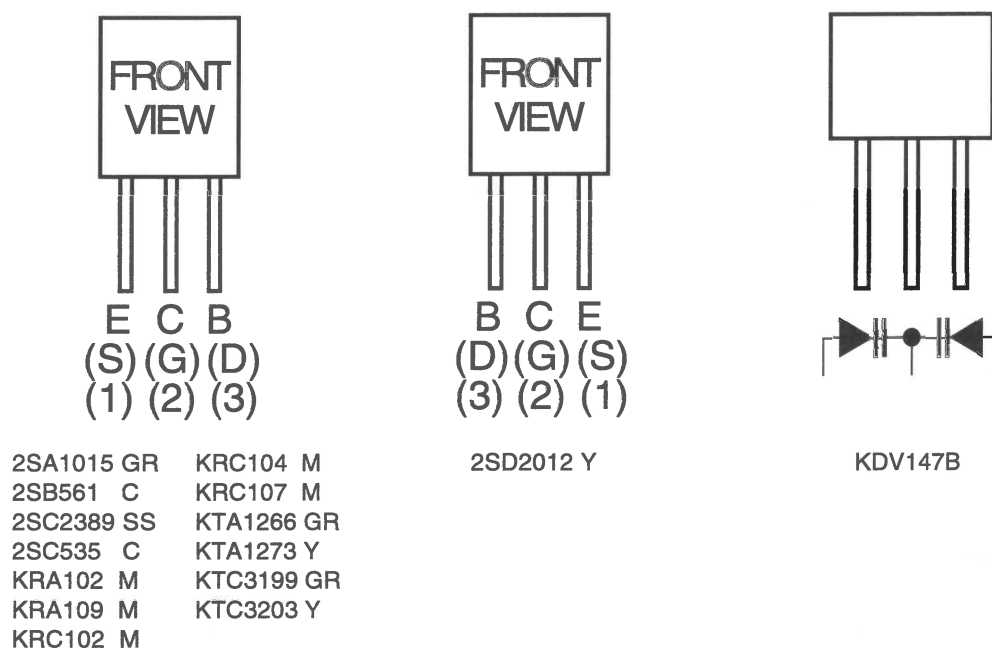


Figure 14 TYPES OF TRANSISTOR

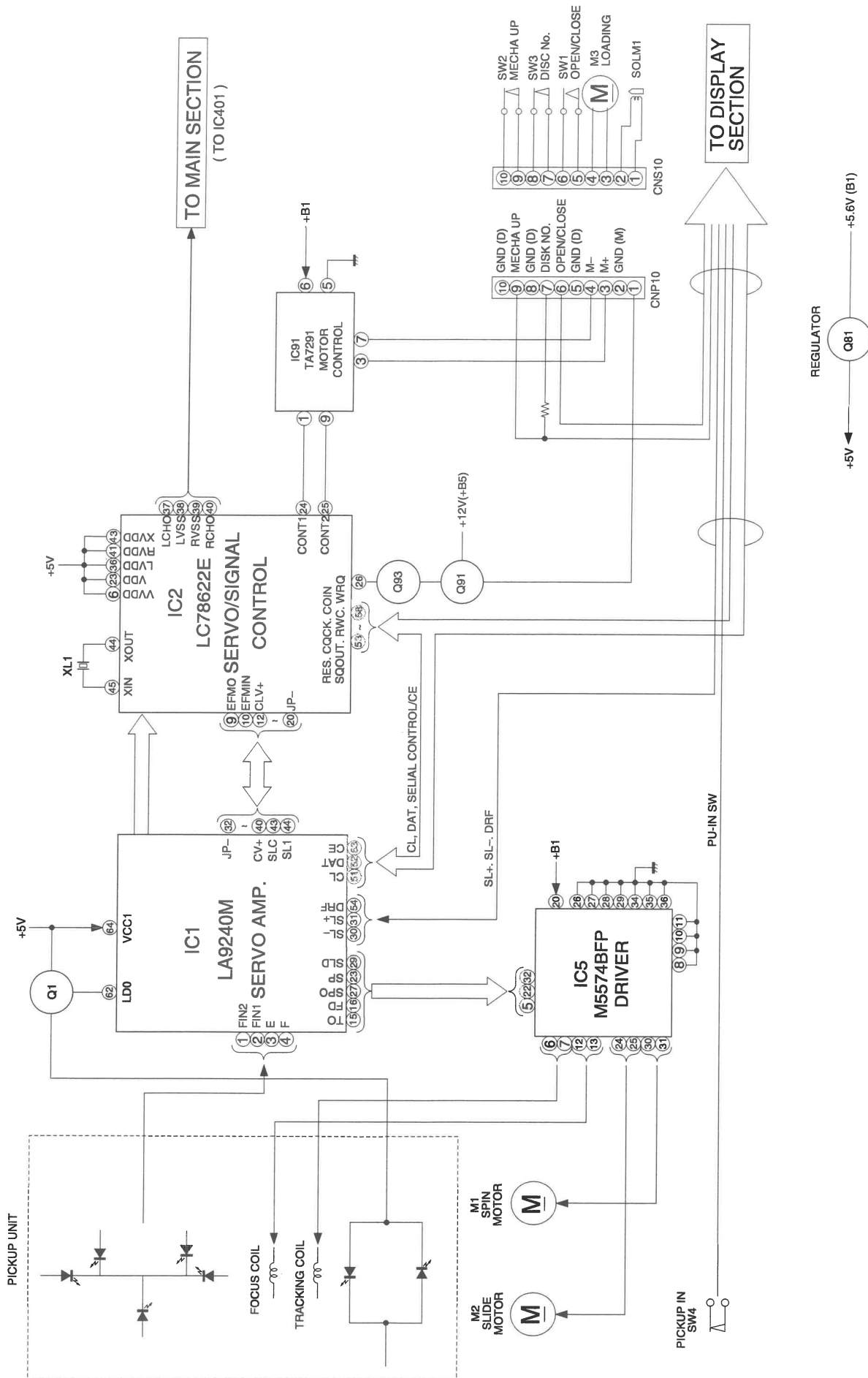


Figure 15 BLOCK DIAGRAM (1/3)

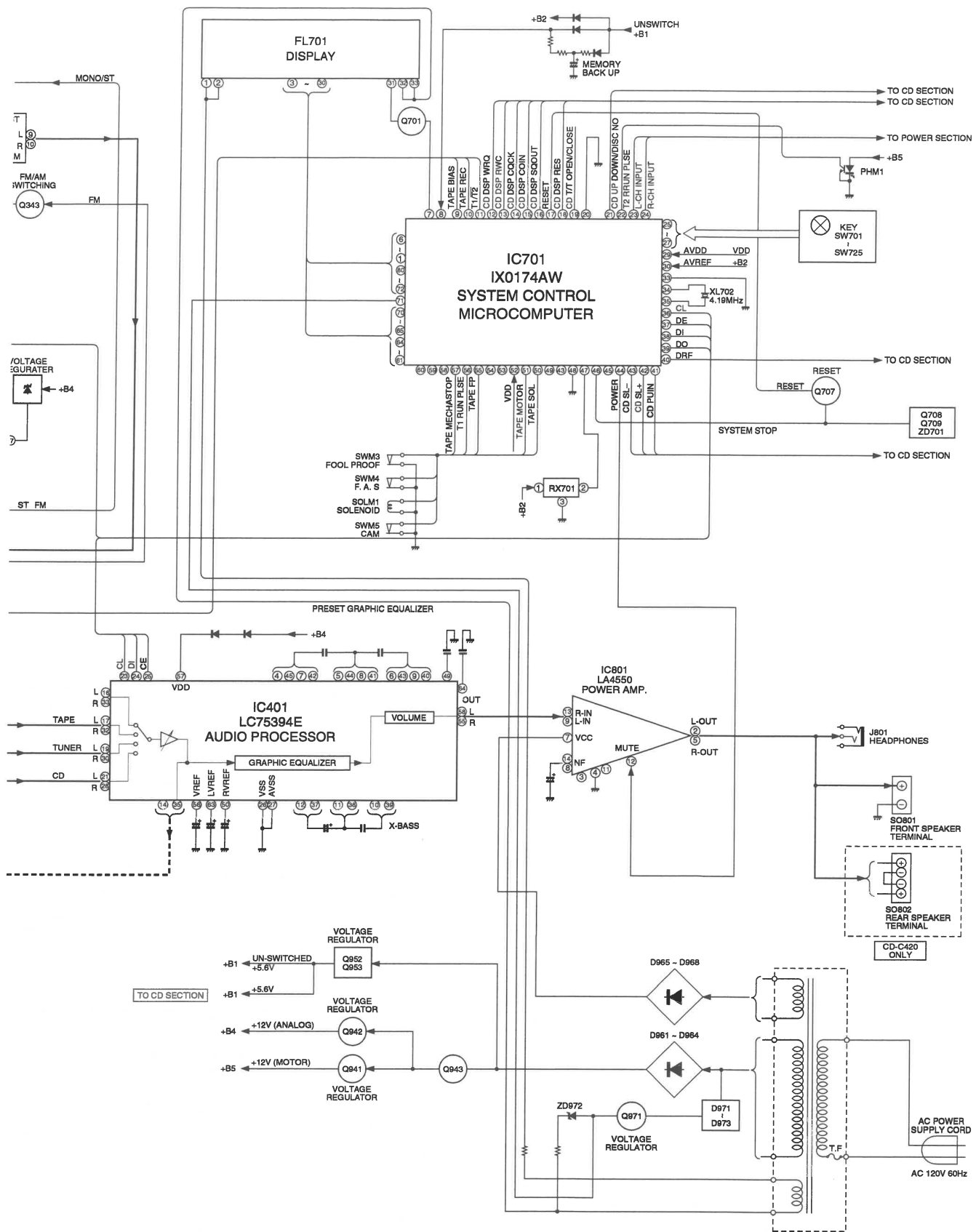


Figure 17 BLOCK DIAGRAM (3/3)



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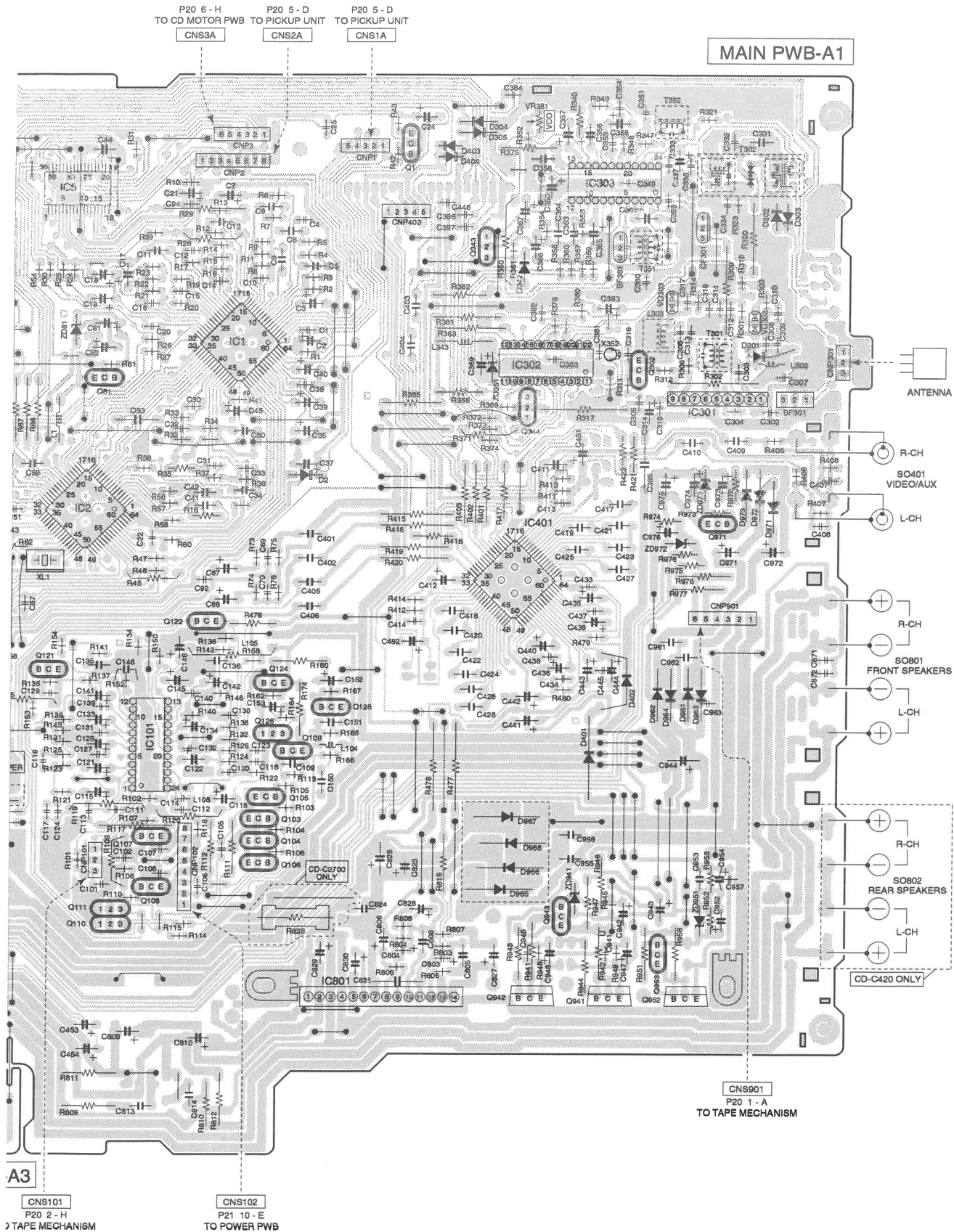


Figure 19 WIRING SIDE OF P.W.BOARD (2/4)

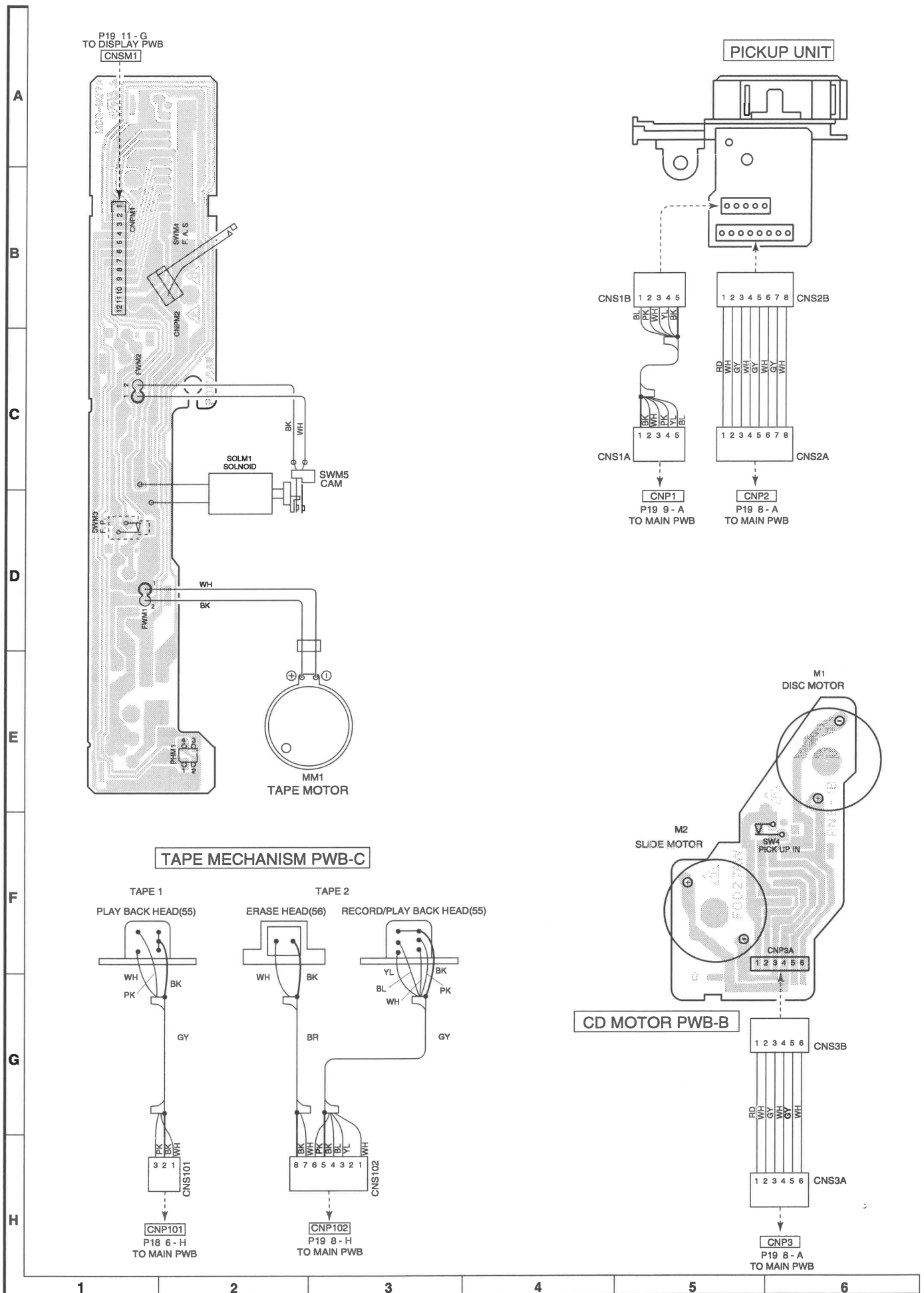
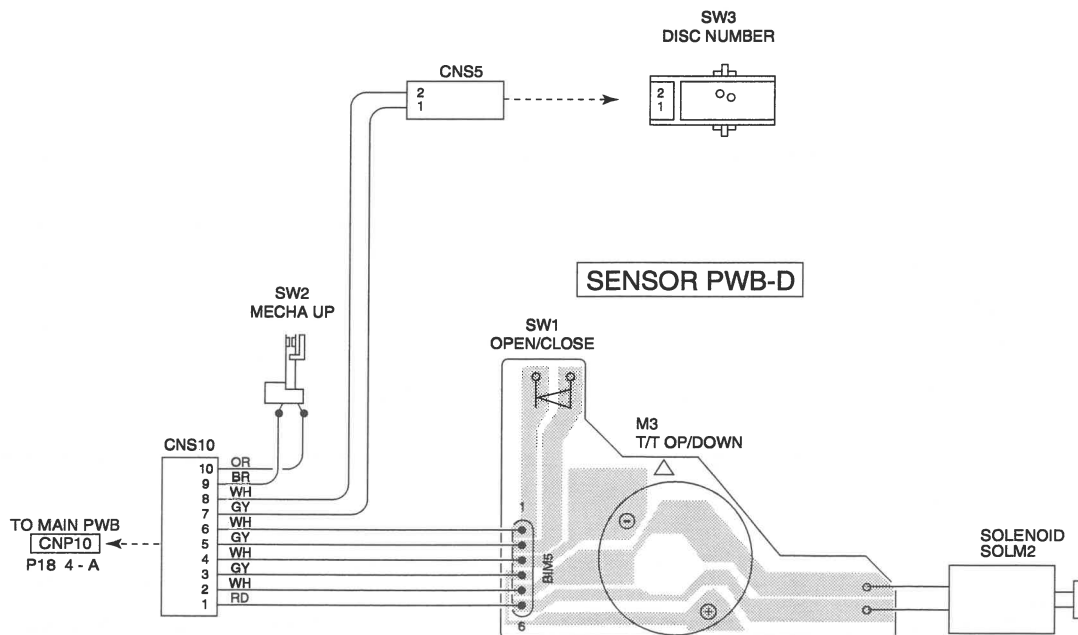
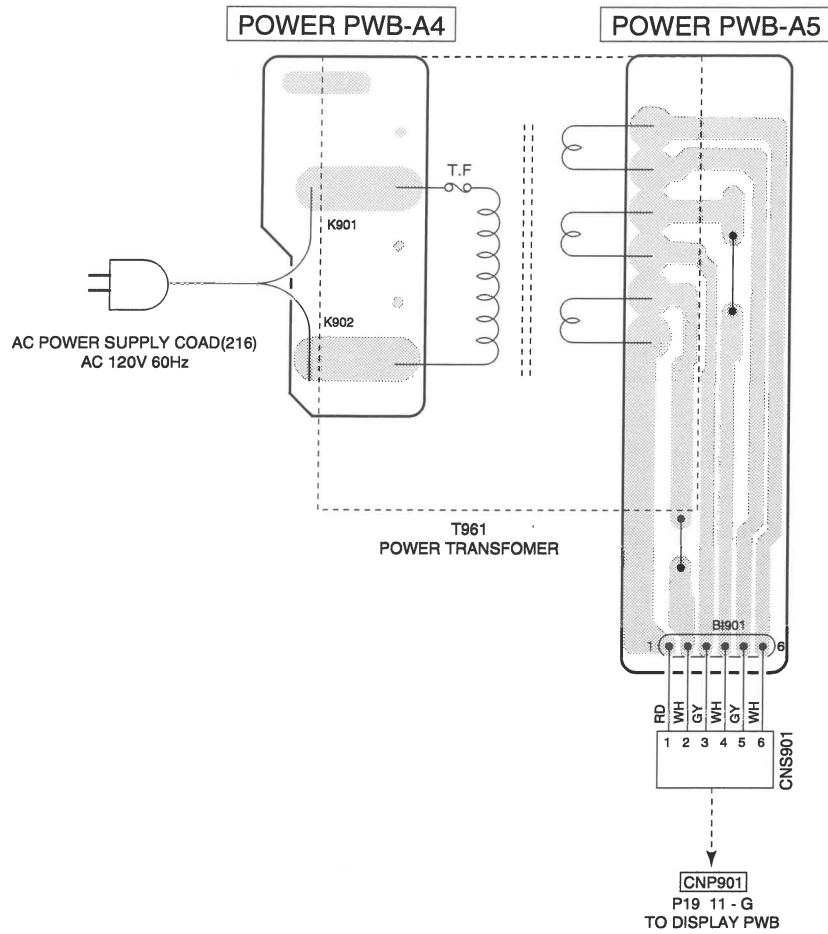


Figure 20 WIRING SIDE OF P.W.BOARD (3/4)



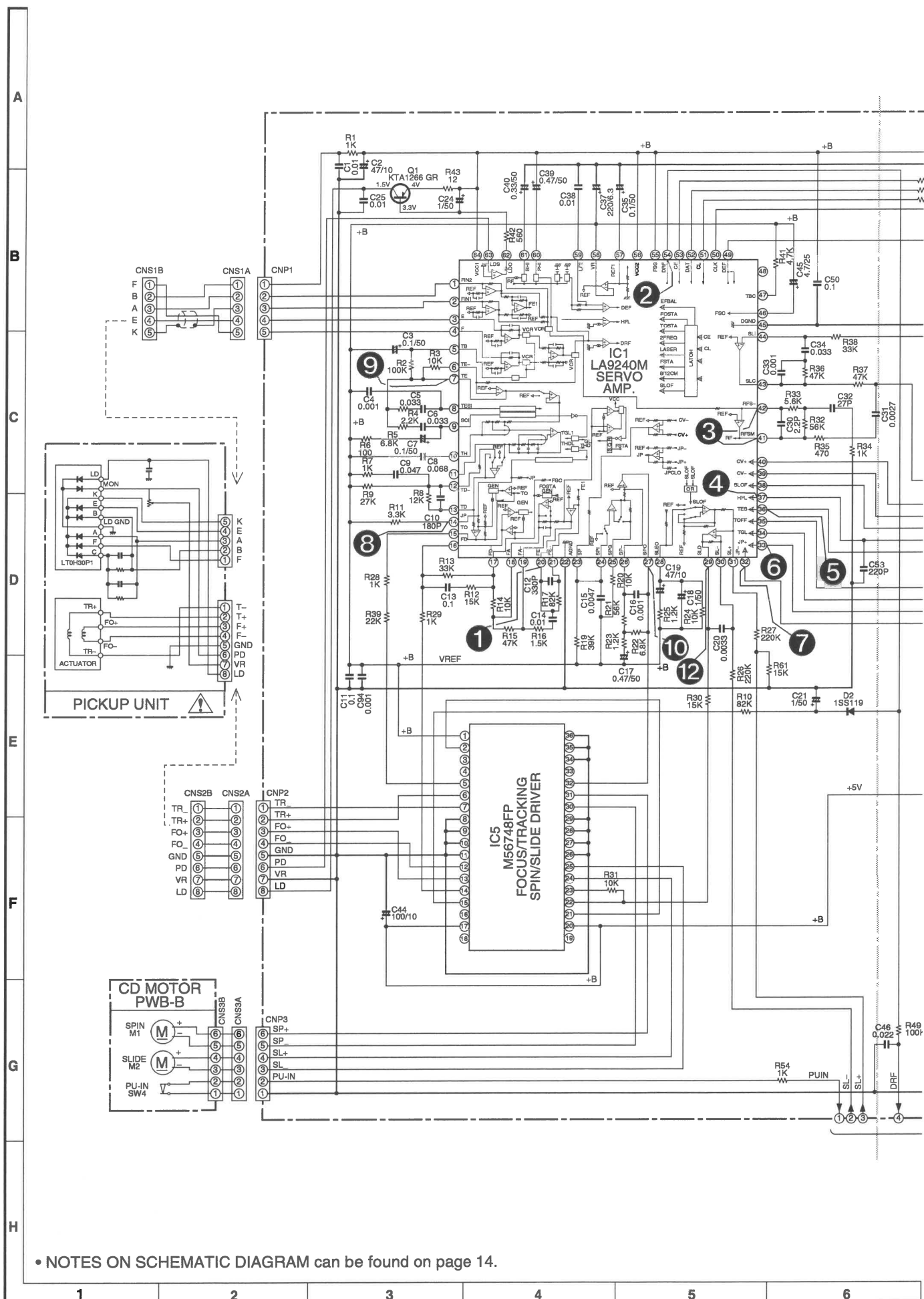
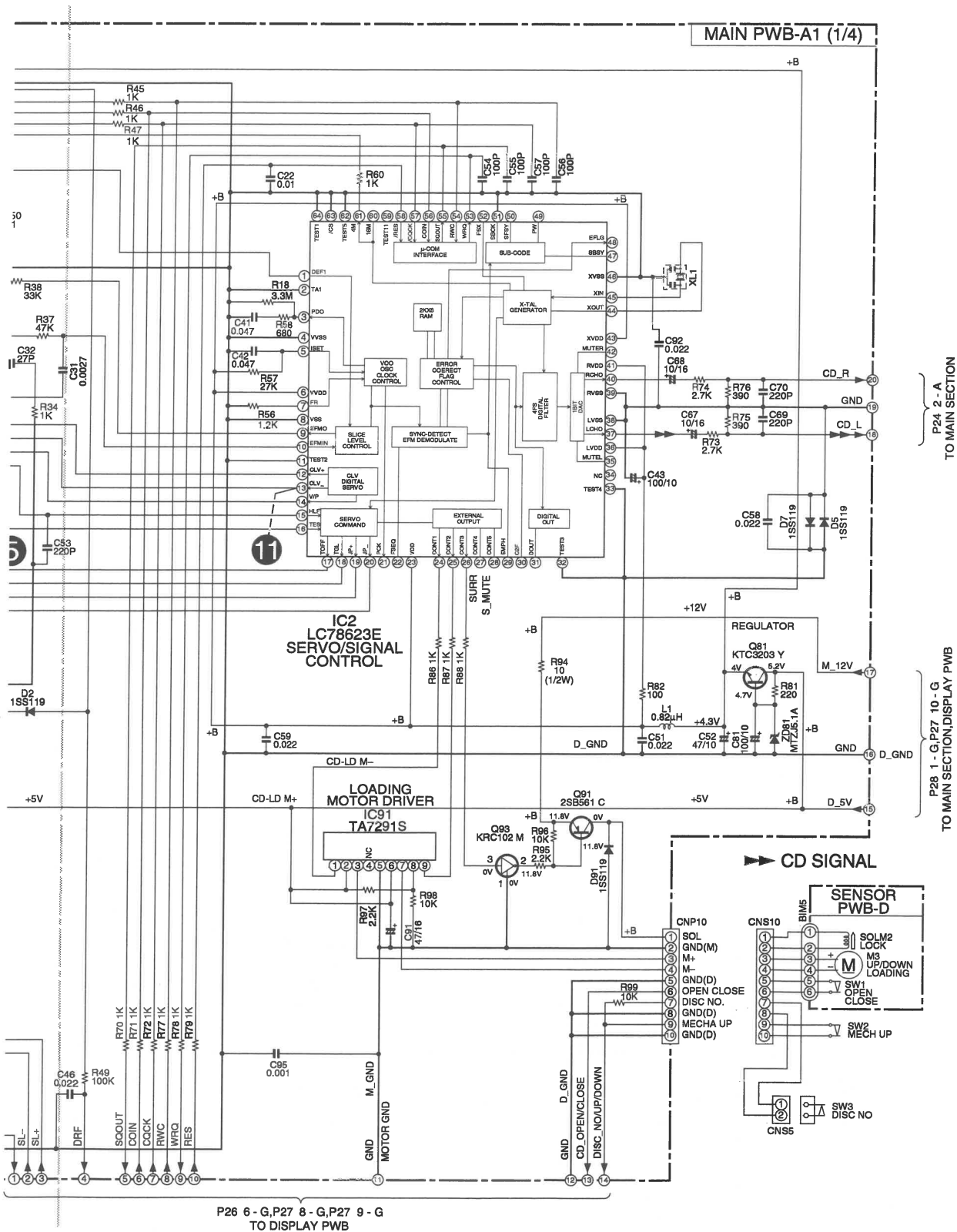


Figure 22 SCHEMATIC DIAGRAM (1/10)



• The numbers 1 to 12 are waveform numbers shown in page 32.

7	8	9	10	11	12
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Figure 23 SCHEMATIC DIAGRAM (2/10)



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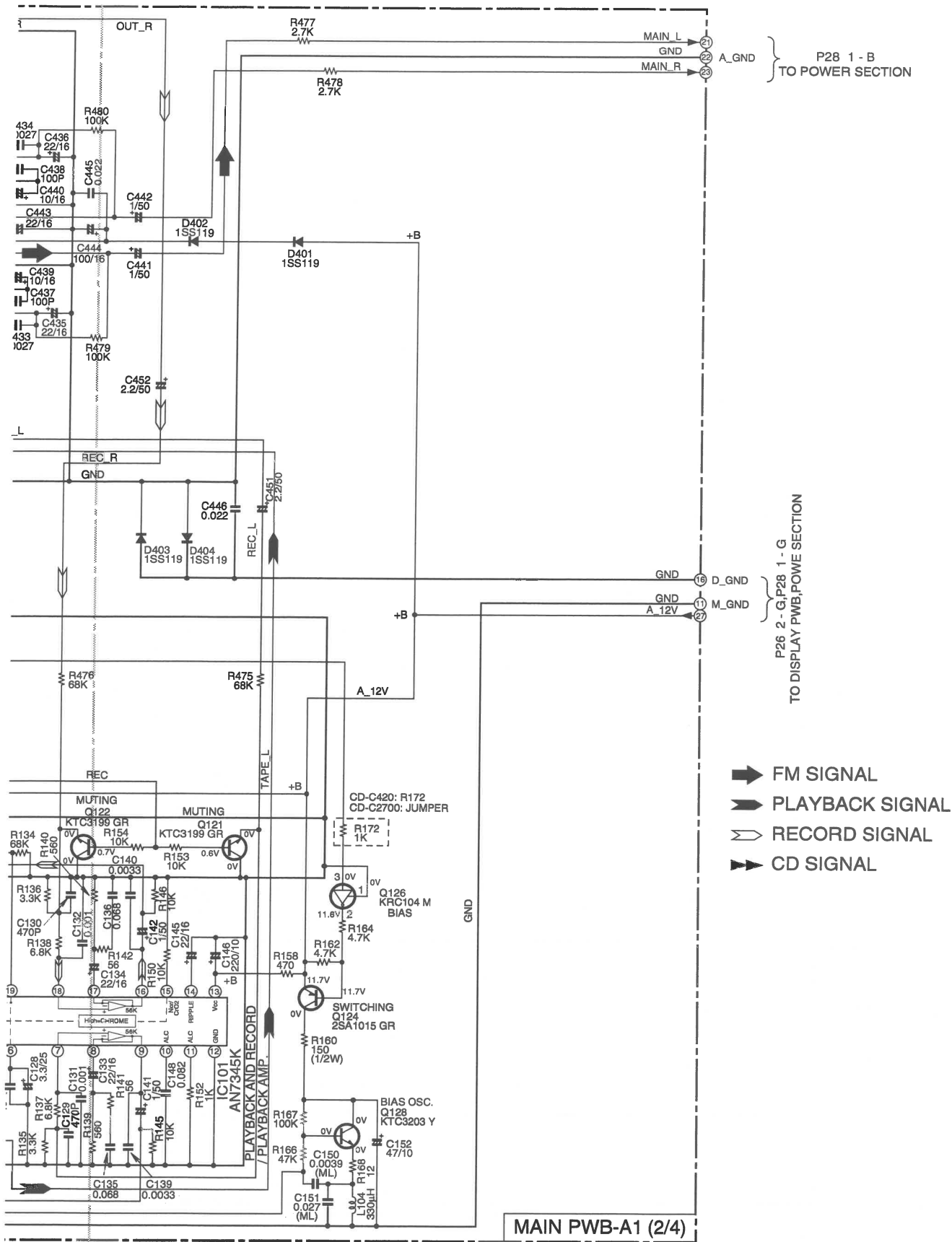


Figure 25 SCHEMATIC DIAGRAM (4/10)



- 26 -

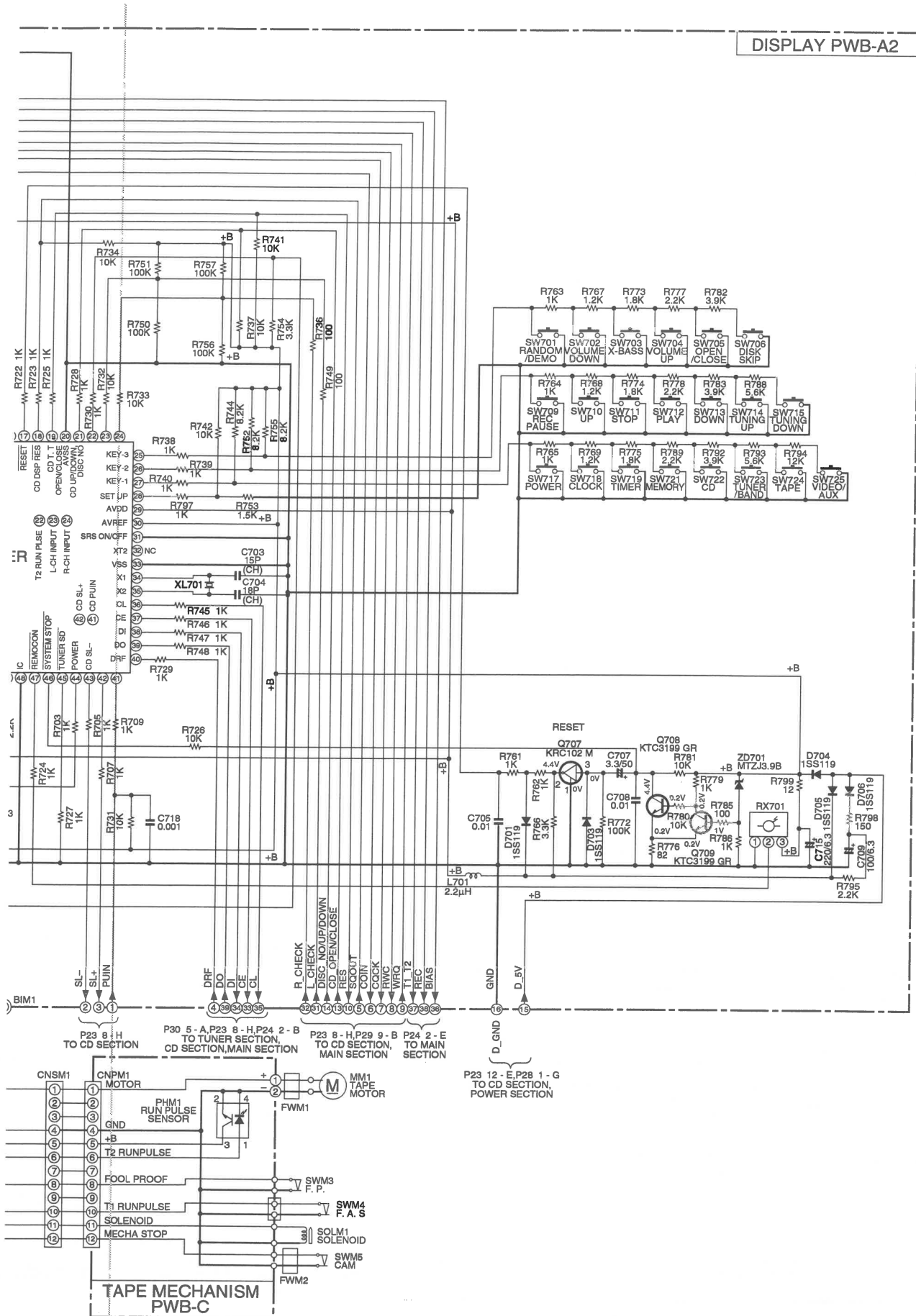


Figure 27 SCHEMATIC DIAGRAM (6/10)



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- 29 -

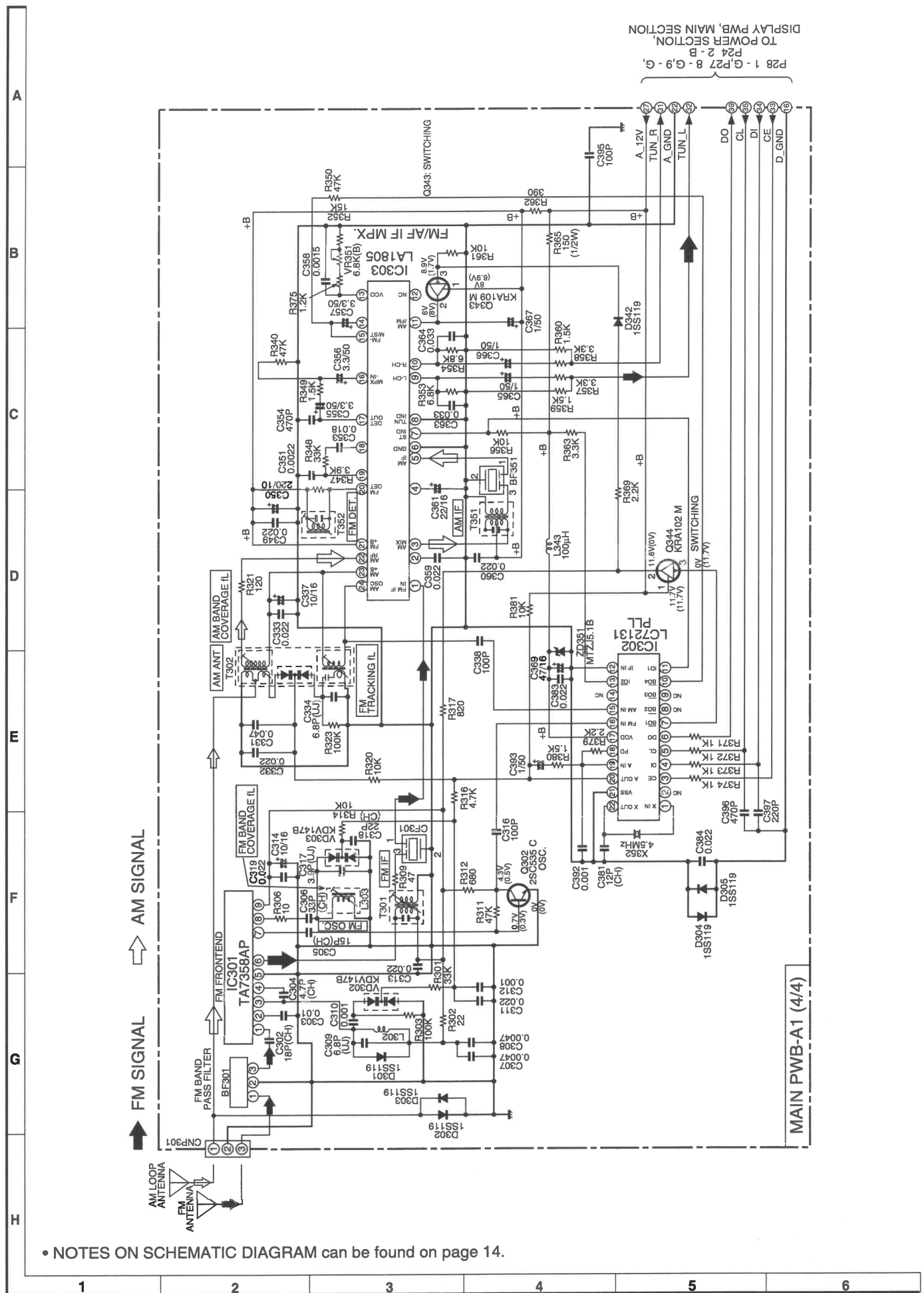
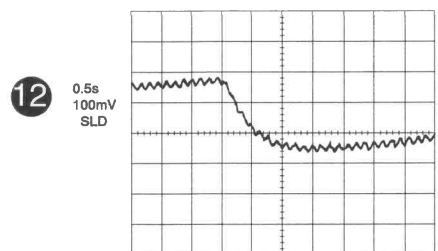
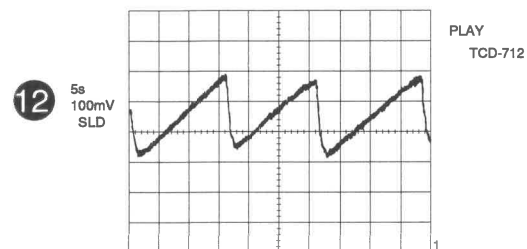
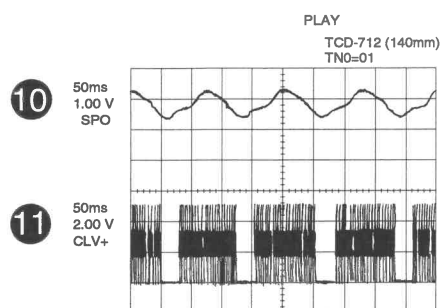
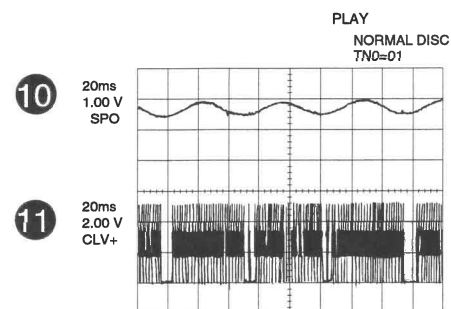
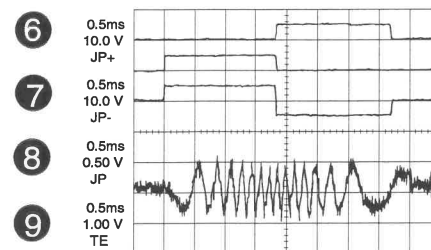
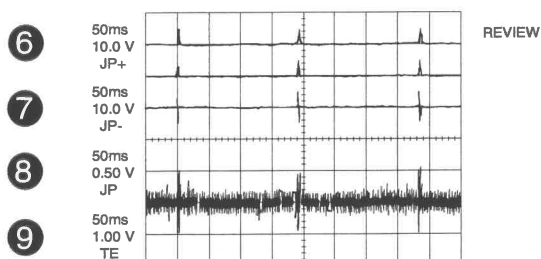
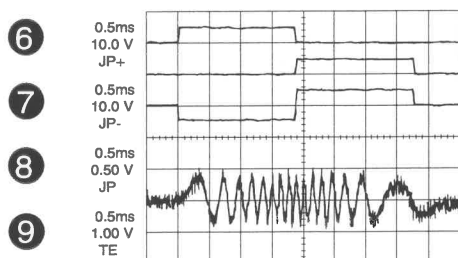
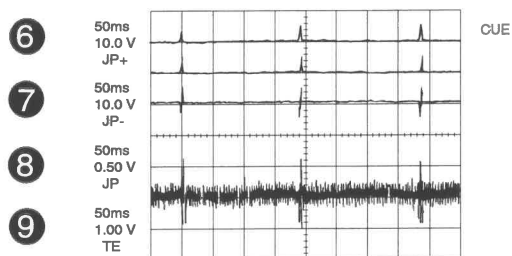
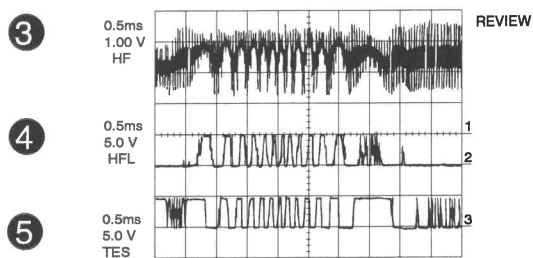
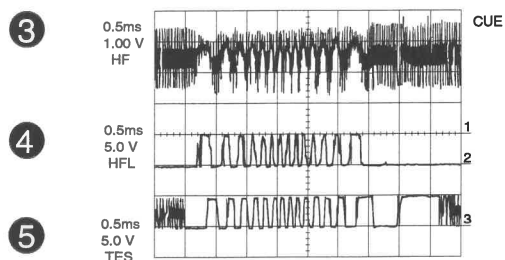
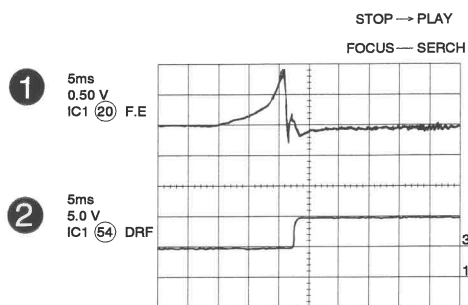


Figure 30 SCHEMATIC DIAGRAM (9/10)

IC1		IC2		IC5		IC101		IC303		IC401		IC701																																			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE																																
1	2V	1	0V	1	2V	1	0V	1	2V(2V)	1	5V	1	-24.7V	41	0.41V																																
2	2V	2	0V	2	2V	2	0V	2	2V(2V)	2	5V	2	-24.7V	42	0V																																
3	2.1V	3	0V	3	0V	3	0.8V	3	7.2V(8.2V)	3	5V	3	-24.7V	43	0V																																
4	2.1V	4	0V	4	2V	4	3V	4	0.5V(0.8V)	4	5V	4	-24.7V	44	4.4V																																
5	2V	5	1.8V	5	2V	5	0V	5	2V(2V)	5	5V	5	-24.7V	45	0V																																
6	2V	6	4V	6	2.2V	6	1.3V	6	0V(0V)	6	5V	6	-24.7V	46	4.4V																																
7	2V	7	0V	7	2.2V	7	0V	7	5.5V(5.5V)	7	5V	7	-24.7V	47	4.4V																																
8	2V	8	0V	8	0V	8	0.6V	8	0V(0V)	8	5V	8	4.4V	48	0V																																
9	2V	9	2V	9	0V	9	3V	9	2.6V(2.6V)	9	5V	9	0V	49	2.7V																																
10	2V	10	2V	10	0V	10	3V	10	2.6V(2.6V)	10	5V	10	4.4V	50	11.7V																																
11	2V	11	0V	11	0V	11	0V	11	6.3V(8.2V)	11	5V	11	4.4V	51	11.7V																																
12	2V	12	0V	12	0V	12	0V	12	1.2V(1.2V)	12	5V	12	0.24V	52	4.4V																																
13	2V	13	0V	13	2.2V	13	0V	13	1.4V(0V)	13	5V	13	0V	53	4.4V																																
14	2V	14	4V	14	0V	14	3.7V	14	2.2V(2V)	14	5V	14	4.4V	54	4.4V																																
15	2V	15	0V	15	2V	15	0V	15	1.3V(1.4V)	15	5.1V	15	4.4V	55	0V																																
16	2V	16	0V	16	0V	16	3V	16	2V(1.9V)	16	4.7V	16	0.12V	56	0V																																
17	2V	17	4V	17	0V	17	0.6V	17	2V(2V)	17	4.7V	17	0V	57	4.4V																																
18	2V	18	4V	18	0V	18	0V	18	1.6V(1.6V)	18	0V	18	4.4V	58	0V																																
19	2V	19	0V	19	0.7V	19	0.8V	19	0.6V(0.7V)	19	4.7V	19	0V	59	0V																																
20	2V	20	0V	20	5.2V	20	0V	20	7.2V(8.2V)	20	0V	20	0V	60	0V																																
21	2V	21	2V	21	2V	21	3V	21	7.2V(8.2V)	21	4.7V	21	0V	61	-21.2V																																
22	0V	22	0V	22	2V	22	0.6V	22	2V(2V)	22	0V	22	3.8V	62	-18V																																
23	2V	23	4V	23	2V	23	0V	23	2V(2V)	23	0V	23	0V	63	-11.5V																																
24	2V	24	0V	24	2V	24	0V	24	2V(2V)	24	4.4V	24	0V	64	-27.8V																																
25	2V	25	0V	25	2.2V	25	2.2V	25	2V(2V)	25	0V	25	2.4V	65	-24.5V																																
26	2V	26	0V	26	0V	26	0V	26	0V	26	0V	26	4.4V	66	-14.8V																																
27	2V	27	0V	27	0V	27	0V	27	0V	27	0V	27	4.4V	67	-24.5V																																
28	2V	28	0V	28	0V	28	0V	28	4.7V	28	4.7V	28	0.6V	68	-21.2V																																
29	2V	29	0V	29	0V	29	0V	29	0V	29	0V	29	4.4V	69	-27.8V																																
30	1.8V	30	4V	30	2.2V	30	2.2V	30	4.7V	30	4.7V	30	0V	70	-18V																																
31	1.8V	31	2V	31	2.2V	31	2.2V	31	0V	31	0V	31	4.4V	71	-28V																																
32	0V	32	0V	32	2V	32	2V	32	4.7V	32	4.7V	32	0V	72	-11.5V																																
33	0V	33	0V	33	2V	33	2V	33	4.7V	33	4.7V	33	2V	73	-24.4V																																
34	4V	34	0V	34	0V	34	0V	34	5.1V	34	5.1V	34	2V	74	-24.4V																																
35	4V	35	4V	35	4V	35	4V	35	5.1V	35	5.1V	35	0V	75	14.7V																																
36	0V	36	3.8V	36	0V	36	0V	36	5.1V	36	5.1V	36	0V	76	-27.8V																																
37	0V	37	1.7V	37	1.7V	37	1.7V	37	5.1V	37	5.1V	37	0V	77	-24.4V																																
38	4V	38	0V	38	0V	38	0V	38	5.1V	38	5.1V	38	4.4V	78	-27.8V																																
39	0V	39	0V	39	0V	39	0V	39	5.1V	39	5.1V	39	4.4V	79	-27.8V																																
40	0V	40	1.7V	40	1.7V	40	1.7V	40	5.1V	40	5.1V	40	0V	80	-24.8V																																
41	0.3V	41	4V	41	4V	41	4V	41	5.1V	41	5.1V	<table><tr><th colspan="2">IC801</th></tr><tr><th>PIN NO.</th><th>VOLTAGE</th></tr><tr><td>1</td><td>24.7V</td></tr><tr><td>2</td><td>14.19V</td></tr><tr><td>3</td><td>0V</td></tr><tr><td>4</td><td>0V</td></tr><tr><td>5</td><td>14.05V</td></tr><tr><td>6</td><td>24.8V</td></tr><tr><td>7</td><td>27.8V(C420)/31.8V(C2700)</td></tr><tr><td>8</td><td>1.24V</td></tr><tr><td>9</td><td>5.3mV</td></tr><tr><td>10</td><td>26.7V</td></tr><tr><td>11</td><td>0V</td></tr><tr><td>12</td><td>2.25V</td></tr><tr><td>13</td><td>5.2mV</td></tr><tr><td>14</td><td>1.23V</td></tr></table>				IC801		PIN NO.	VOLTAGE	1	24.7V	2	14.19V	3	0V	4	0V	5	14.05V	6	24.8V	7	27.8V(C420)/31.8V(C2700)	8	1.24V	9	5.3mV	10	26.7V	11	0V	12	2.25V	13	5.2mV	14	1.23V
IC801																																															
PIN NO.	VOLTAGE																																														
1	24.7V																																														
2	14.19V																																														
3	0V																																														
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5	14.05V																																														
6	24.8V																																														
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12	2.25V																																														
13	5.2mV																																														
14	1.23V																																														
42	2V	42	4V	42	4V	42	5.1V	42	5.1V	42	5.1V																																				
43	2.1V	43	4V	43	4V	43	5.1V	43	5.1V	43	5.1V																																				
44	2.1V	44	1.8V	44	1.8V	44	5.1V	44	5.1V	44	5.1V																																				
45	0V	45	1.7V	45	1.7V	45	5.1V	45	5.1V	45	5.1V																																				
46	2V	46	0V	46	0V	46	5.1V	46	5.1V	46	5.1V																																				
47	2V	47	0V	47	0V	47	5.1V	47	5.1V	47	5.1V																																				
48	0V	48	1.8V	48	1.8V	48	5.1V	48	5.1V	48	5.1V																																				
49	0V	49	0V	49	0V	49	5.1V	49	5.1V	49	5.1V																																				
50	2V	50	2V	50	2V	50	5.1V	50	5.1V	50	5.1V																																				
51	4V	51	0V	51	0V	51	5.1V	51	5.1V	51	5.1V																																				
52	4V	52	2V	52	2V	52	5.1V	52	5.1V	52	5.1V																																				
53	0V	53	0V	53	0V	53	5.1V	53	5.1V	53	5.1V																																				
54	4V	54	0V	54	0V	54	5.1V	54	5.1V	54	0V																																				
55	4V	55	0V	55	0V	55	5.1V	55	5.1V	55	5.1V																																				
56	4V	56	4.4V	56	4.4V	56	5.1V	56	5.1V	56	5.1V																																				
57	2.1V	57	4.4V	57	4.4V	57	5.1V	57	10.2V	57	10.2V																																				
58	2.1V	58	4.4V	58	4.4V	58	5.1V	58	5.1V	58	5.1V																																				
59	0V	59	0V	59	0V	59	5.1V	59	0V	59	0V																																				
60	0V	60	1.6V	60	1.6V	60	5.1V	60	5.1V	60	5.1V																																				
61	2V	61	2V	61	2V	61	5.1V	61	5.1V	61	5.1V																																				
62	3.4V	62	0V	62	0V	62	5.1V	62	5.1V	62	5.1V																																				
63	0V	63	0V	63	0V	63	5.1V	63	5.1V	63	5.1V																																				
64	4V	64	0V	64	0V	64	5.1V	64	5.1V	64	5.1V																																				

Figure 31 SCHEMATIC DIAGRAM (10/10)

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.

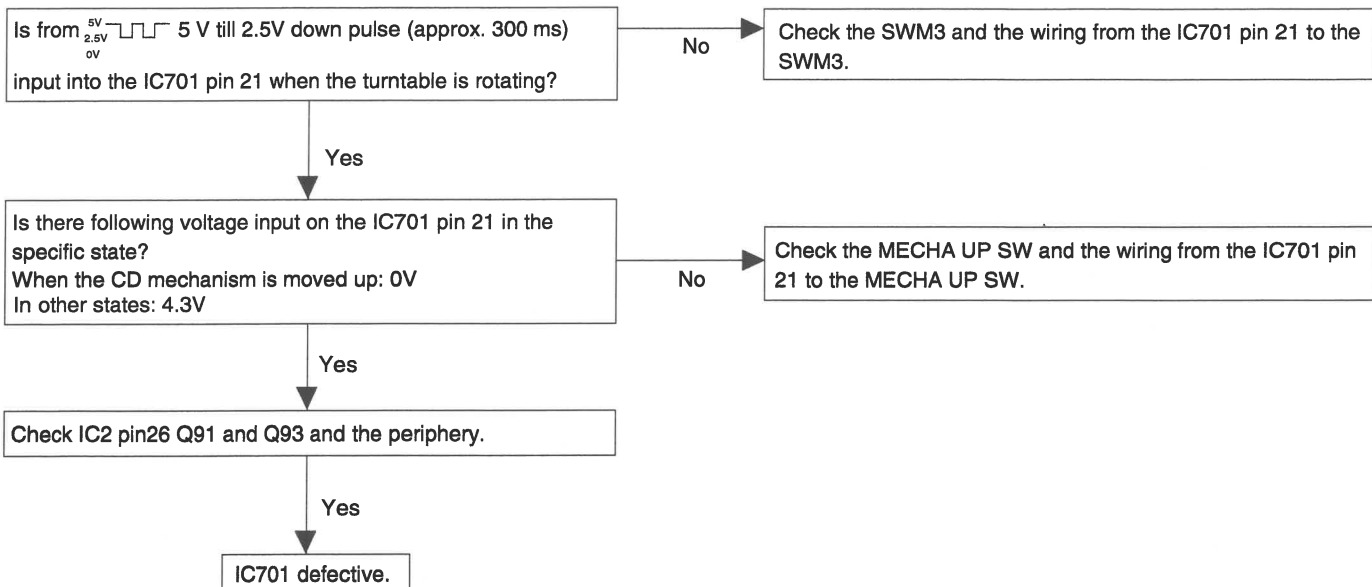
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust or other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

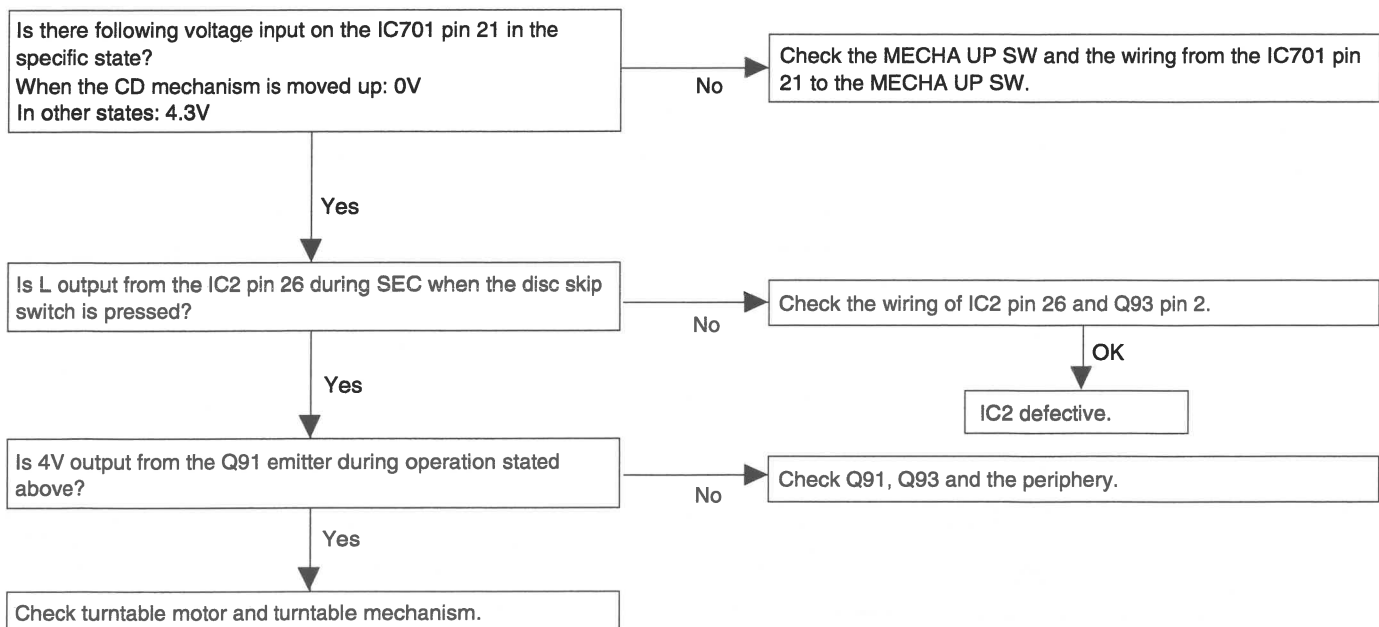
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

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.

Is there following voltage input in specific state of IC701 pin 19?
Open state: 0V
Close state: 0V
Intermediate state between open state and close state: 4.3V

No

Check the OPEN CLOSE SW and the wiring from the IC701 pin 19 to the OPEN CLOSE SW.

Yes

Is H output to IC2 pin 24 or 25 for 7 seconds when the OPEN/CLOSE key is pressed? IC91 is defective. Replace it.

No

Check the wiring of the IC2 pins 24 and 25, IC91 pins 1 and 3.

OK

IC2 defective.

Yes

Is 4V output between IC91 pins 3 and 7 during operation stated above?

No

Check the periphery of IC91.

OK

IC91 defective.

Yes

Check the loading motor (M1) and the loading mechanism.

• The CD function will not work.

The CD operating keys don't work.

Yes

Check the CD, DSP, power supply, and 16.93 MHz clock, and reset terminal.

Yes

Check the waveform of SCK, SO (DATA) and SI (COMM).

Yes

See if the pick-up is in the pick-up in PICKUP IN SW position.

Yes

If the items mentioned above are OK, check the main microcomputer IC701.

• The CD operating keys work.

Check the Focus - HF system.

Playback can be performed without a disc.

Yes

Does the pick-up move up and down twice?

Yes

Focus search OK

No

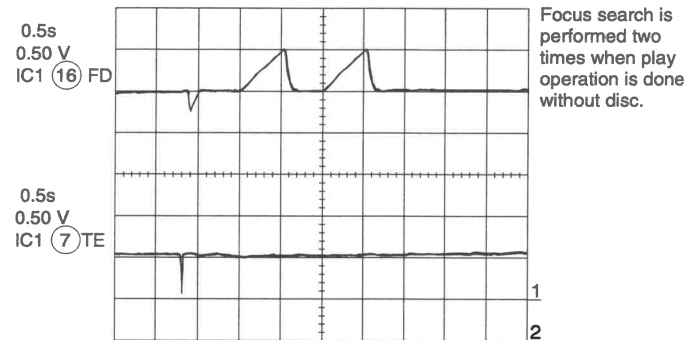
Does the output waveform of IC1(16)(FD) match that shown in Fig. 34?

Yes

Check the area around IC5-CNP2.

No

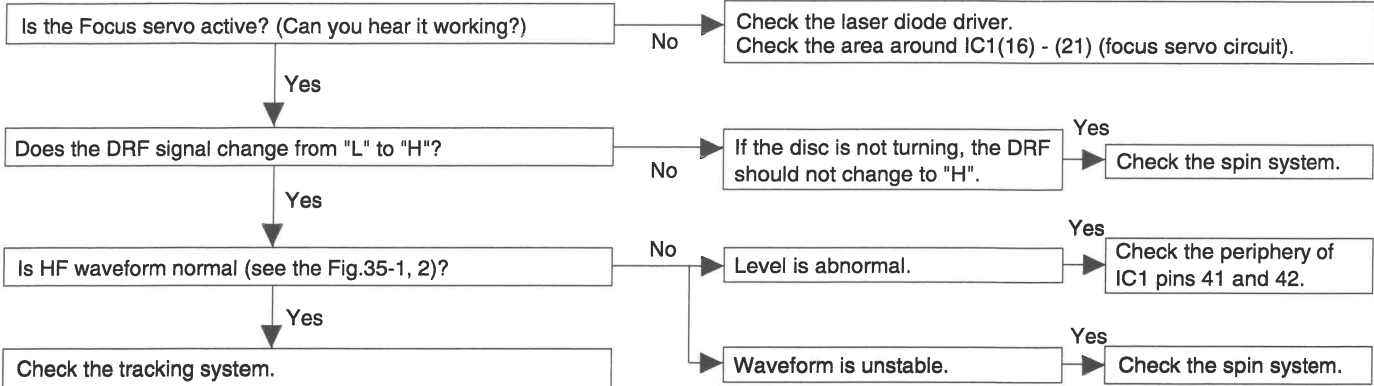
Check the IC1(50)(CLK) line, 4MHz.
Check the microcomputer data on pins (51)(CL), (52)(DAT) and (53)CE.



Focus search is performed two times when play operation is done without disc.

Figure 34

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



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

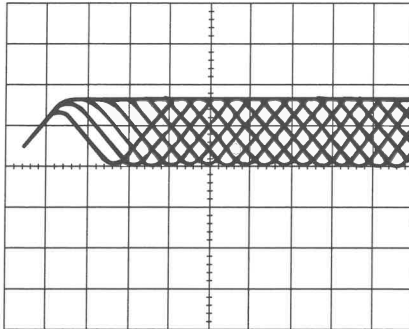


Figure 35-1

0.5s
1.00 V
IC1 (16) FD
0.5s
10.0 V
IC2 (13) CLV+
0.5s
10.0 V
IC1 (54) DRF
0.5s
2.00 V
IC1 (7) TE

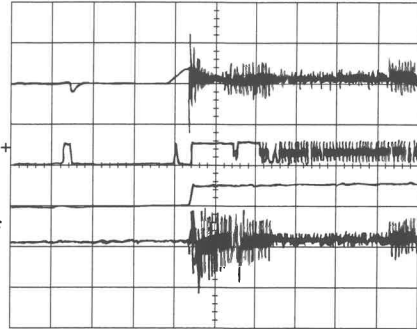
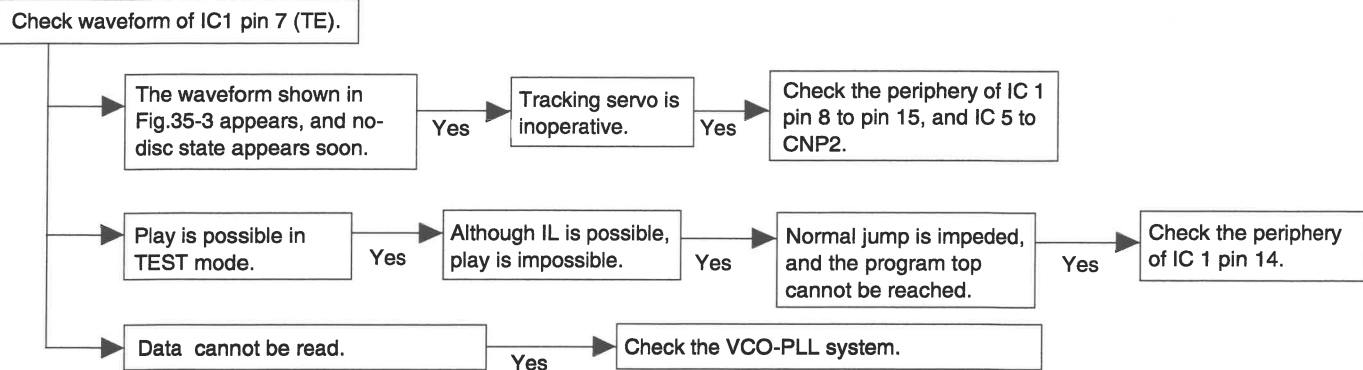


Figure 35-2

• Check the tracking system.



5ms
1.00 V
IC1 (7) TE

5 ms
5.0 V
IC1 (54) DRF

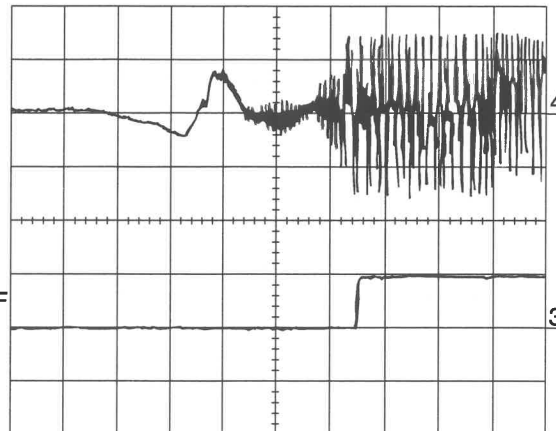


Figure 35-3

• **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. 36).

Abnormal

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

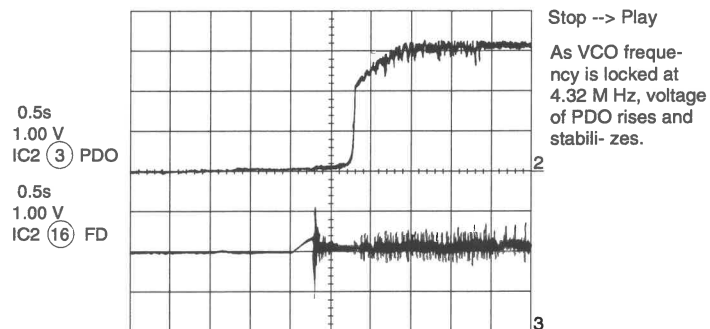


Figure 36

• **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 VHiLC78623E-1:Servo/Signal Control(LC78623E) (1/2)

Pin No.	Terminal Name	Input/Output	Function	
1	DEFI	Input	Input terminal of defect detection signal (DEF). (Connected to OV when not used.)	
2	TAI	Input	For PLL	Input terminal for test. Pull-down resistor is integrated. Surely connected to OV.
3	PDO	Output		Output terminal of phase comparison for external VCO control.
4	VVSS	—		Ground terminal for integrated VCO. Surely connected to OV.
5	ISSET	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 OV.	
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 OV.	
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	Input	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 OV, 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 OV.	
33	TEST4	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to OV.	
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 OV.
39	RVSS	—	R channel 1 bit DAC	Ground terminal for R channel Surely connected to OV.
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 OV.	
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 VHiLC78622E-1:Servo/Signal Control(LC78622E) (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	$\overline{\text{CQCK}}$	Input	Clock input terminal to fetch command input, or pick up subcode from SQOUT. Schmit input
58	$\overline{\text{RES}}$	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	$\overline{\text{CS}}$	Input	Chip selection input terminal. Pull-down resistor is integrated. Connected to 0V 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.

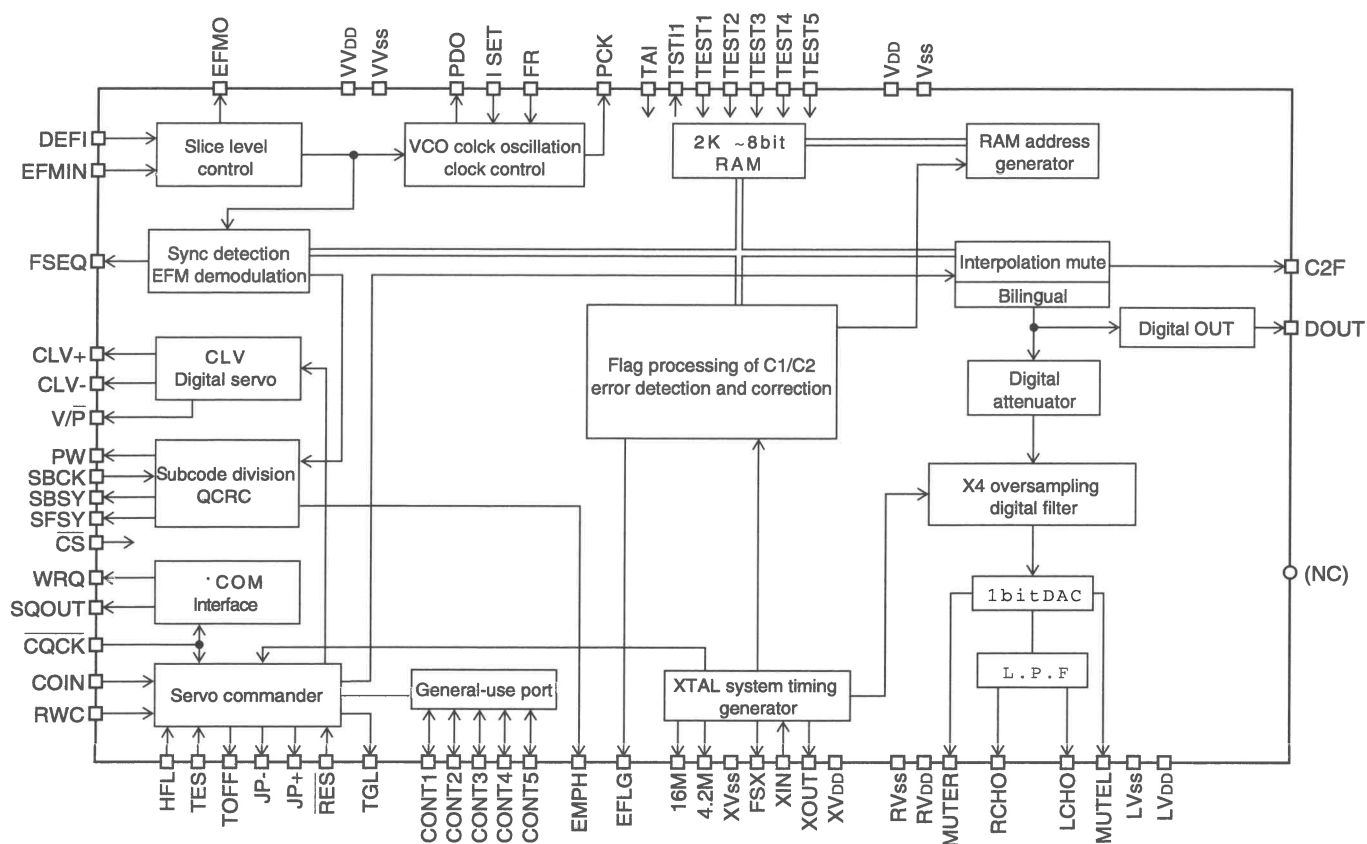


Figure 38 BLOCK DIAGRAM OF IC

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.

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

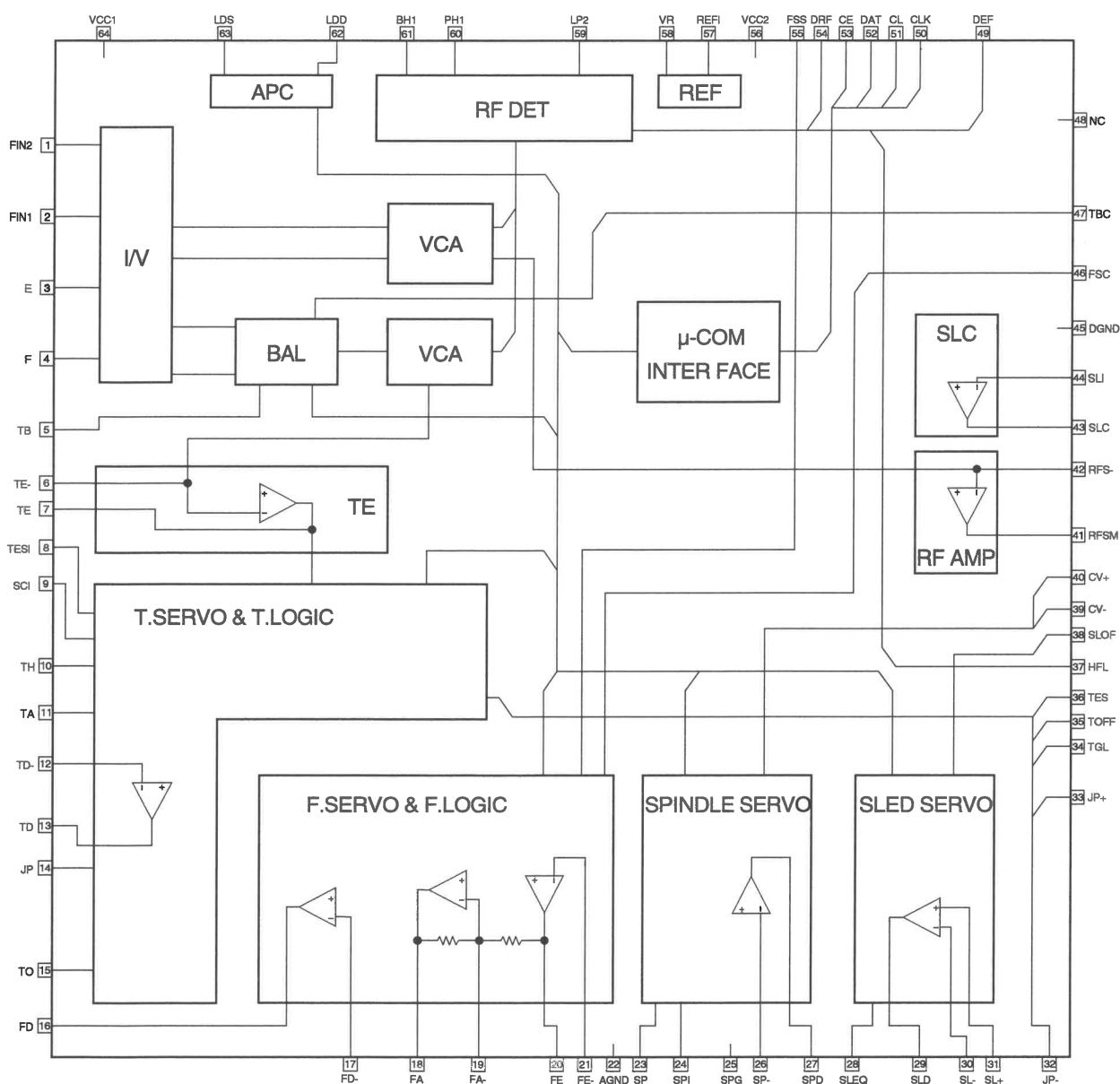


Figure 40 BLOCK DIAGRAM OF IC

IC701 RH-IX0174AWZZ: System Microcomputer (IX0174AW) (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	SK1	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	
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	Intput	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		—	
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	
41	P32	CD PUIN	Input	L: Innermost periphery
42	P31	CD SL+	Output	
43	P30	CD SL-	Output	
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	
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-iX0174AWZZ: System Microcomputer (IX0174AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	
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	
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	
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.

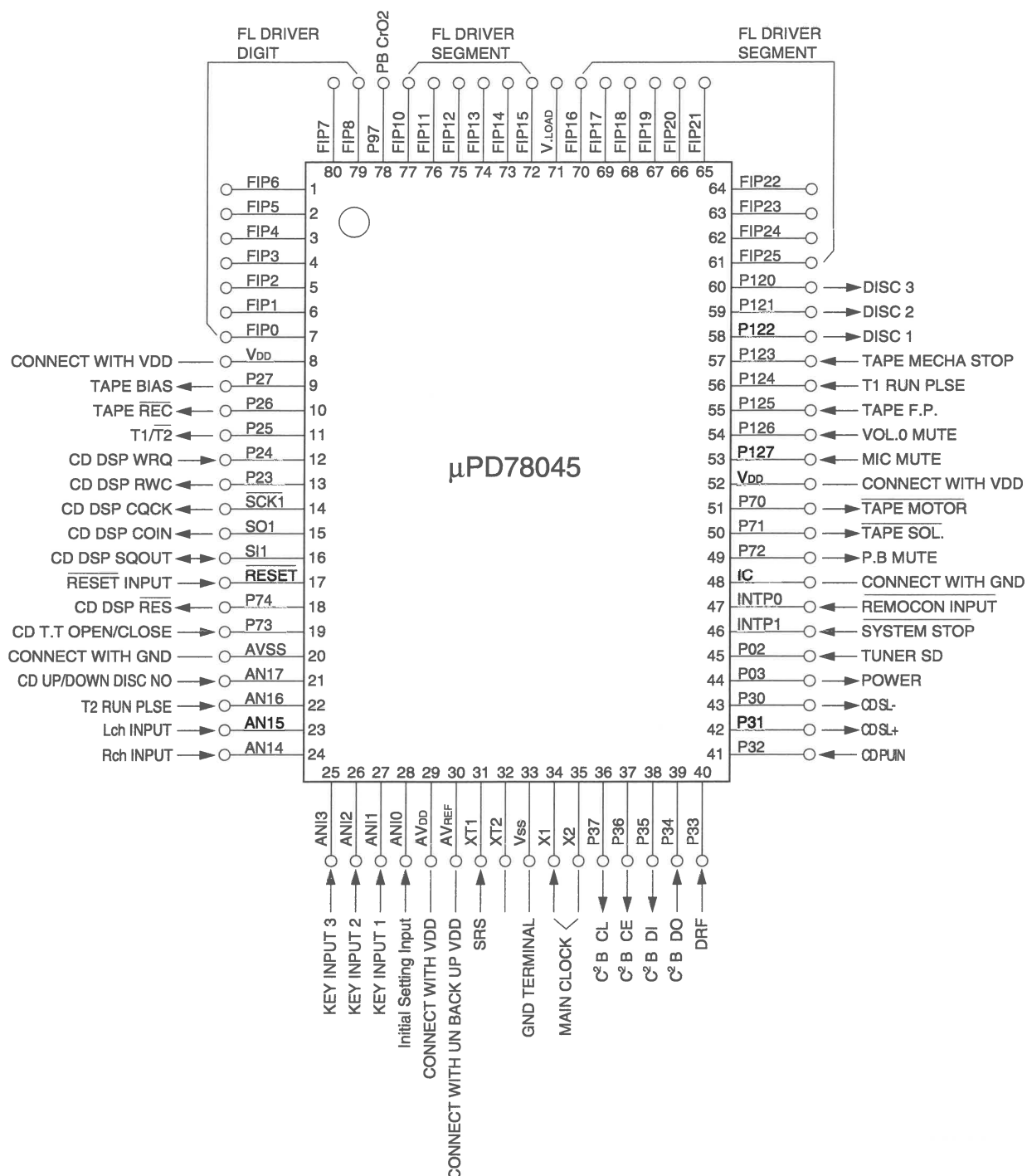


Figure 42 BLOCK DIAGRAM OF IC

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

Pin No.	Terminal Name	Function
1	VO1(-)	Driver CH1 Negative output.
2	VO1(+)	Driver CH1 Positive output.
3	VIN1	Driver CH1 input.
4*	VIN1'	Input terminal to adjust driver CH1 gain.
5*	NC	Not Used
6*	NC	Not Used
7	MUTE	Mute control terminal.
8	GND	GND
9	VIN2'	Input terminal to adjust driver CH2 gain.
10	VIN2	Driver CH2 input.
11	VO2(+)	Driver CH2 Positive output.
12	VO2(-)	Driver CH2 Negative output.
13	GND	Substraighth GND.
14*	OP OUT	Operation amplifier output.
15*	OP IN(-)	Operation amplifier negative input.
16*	OP IN(+)	Operation amplifier positive input.
17	VO3(-)	Driver CH3 Negative output.
18	VO3(+)	Driver CH3 Positive output.
19	VIN3	Driver CH3 input.
20*	VIN3'	Input terminal to adjust driver CH3 gain.
21	VCC	VCC
22	VCC	VCC
23	BIAS IN	Vias amplifier input terminal.
24*	VIN4'	Input terminal to adjust driver CH4 gain.
25	VIN4	Driver CH4 input.
26	VO4(+)	Driver CH4 Positive output.
27	VO4(-)	Driver CH4 Negative output.
28	GND	Substraighth GND.

Note: Positive output and negative output in the driver section are polarities for input.

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

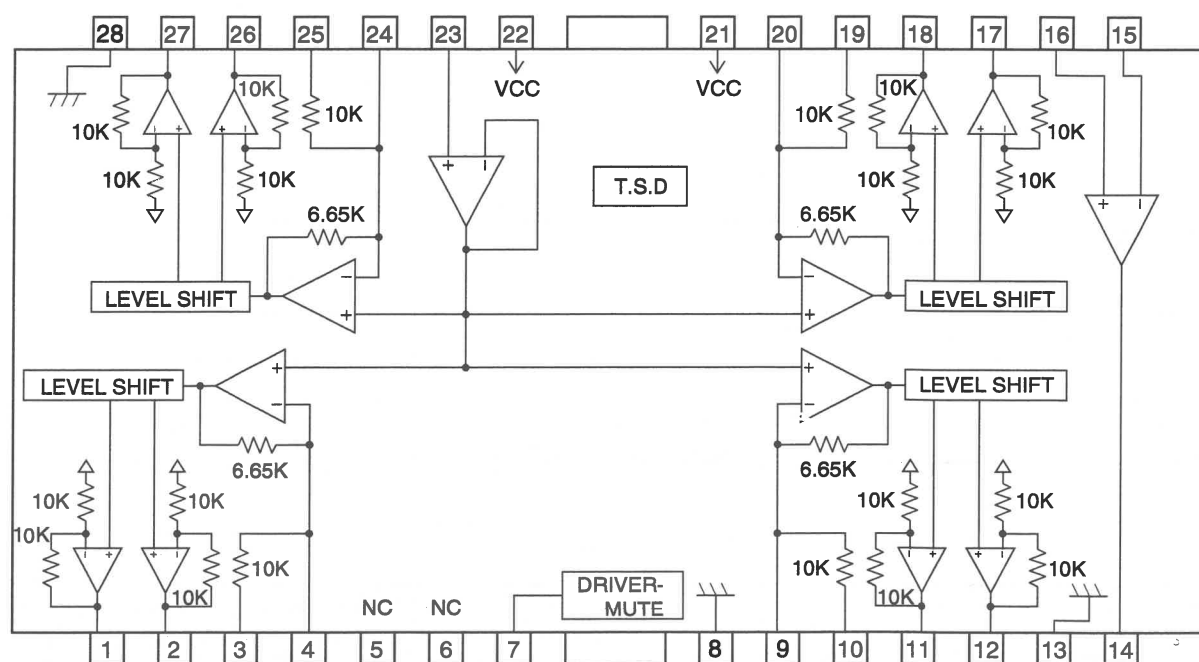


Figure 43 BLOCK DIAGRAM OF IC

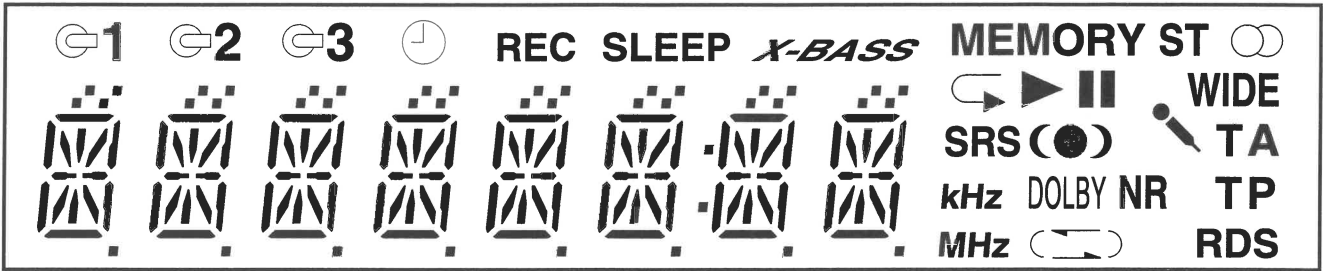


Figure 44 FL DISPLAY

SHARP PARTS GUIDE

MODEL **CD-C420**
CD-C420C
CP-C420
CP-SR420
CD-C2700
CD-C2700C
CP-C2700

"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-C420/C,CD-C2700/C,CP-C420/SR420/C2700

NO.	PART CODE	★ PRICE RANK	DESCRIPTION
CD-C420/C,CD-C2700/C			
INTEGRATED CIRCUITS			
IC1	VHILA9240M/-1	J AV	Servo Amp.,LA9240M
IC2	VHILC78623E-1	J AX	Servo/Signal Control,LC78623E
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	Playback and Record/ Playback Amp.,AN7345K
IC301	VHITA7358AP-1	J AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J AP	PLL (Tuner),LC72131
IC303	VHILA1805/-1	J AM	FM/AF IF MPX.,LA1805
IC401	VHILC75394E-1	J AX	Audio Processor,LC75394E
IC701	RH-IX0174AWZZ	J AW	System Microcomputer, IX0174AW
IC801	VHILA4450/-1	J AH	Power Amp.,LA4450 [CD-C2700/2700C]
IC801	VHILA4451/-1	J AN	Power Amp.,LA4451 [CD-C420/420C]

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	VS2SC2389SS-1	J AD	Silicon,NPN,2SC2389 SS
Q107,108	VSKTC3199GR-1	J AB	Digital,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	Digital,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
Q302	VS2SC535-C/-1	J AC	Silicon,NPN,2SC535 C
Q343	VSKRA109M/-1	J AC	Digital,PNP,KRA109 M
Q344	VSKRA102M/-1	J AC	Digital,PNP,KRA102 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	Digital,NPN,KTC3199 GR
Q941,942	VS2SD2012Y/-1	J AF	Silicon,NPN,2SD2012 Y
Q943	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q952	VS2SD2012Y/-1	J AF	Silicon,NPN,2SD2012 Y
Q953	VSKTC3199GR-1	J AB	Digital,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
D301~305	VHD1SS119/-1	J AA	Silicon,1SS119
D342	VHD1SS119/-1	J AA	Silicon,1SS119
D401,402	VHD1SS119/-1	J AA	Silicon,1SS119
D403,404	VHD1SS119/-1	J AA	Silicon,1SS119
D701~706	VHD1SS119/-1	J AA	Silicon,1SS119
D708,709	VHD1SS119/-1	J AA	Silicon,1SS119
D961~964	VHDL104A/-1	J AB	Silicon,RL104A
D965~968	VHDL104F/-1	J AC	Silicon,RL204F [CD-C420 Only]
D971~973	VHDL104A/-1	J AB	Silicon,RL104A
VD302,303	VHCKDV147B/-1	J AH	Variable Capacitance, KDV147B
ZD81	VHEMTZJ5R1A-1	J AB	Zener,5.1V,MTZJ5.1A
ZD351	VHEMTZJ5R1B-1	J AC	Zener,5.1V,MTZJ5.1B
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
ZD971	VHEMTZJ300B-1	J AB	Zener,30V,MTZJ30B
ZD972	VHEMTZJ6R2A-1	J AA	Zener,6.2V,MTZJ6.2A

FILTERS

BF301	92LFILTP1759A	J	FM Band Pass Filter
BF351	92LFILTA1768A	J	AM IF
CF301	RFILF0124AFZZ	J AD	FM IF,10.7 MHz

TRANSFORMER

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
T301	RCIL10012AWZZ	J AD	FM IF
T302	RCILZ0014AWZZ	J AL	AM Antenna
T351	RCIL10015AWZZ	J AE	AM IF
T352	RCIL10016AWZZ	J AC	FM Detection
△ T961	RTRNP0117AWZZ	J AU	Power [CD-C420/420C]
△ T961	RTRNP0120AWZZ	J AY	Power [CD-C2700/2700C]

COILS

L1	VP-XHR82K0000	J AC	0.82 μH
L104	VP-MK331K0000	J AB	330 μH,Choke
L105	VP-DH1R5K0000	J AC	1.5 μH
L302	RCILR0029AWZZ	J AA	FM RF
L303	RCILB0045AWZZ	J AD	FM Oscillation
L343	VP-DH101K0000	J AB	100 μH,Choke
L701	VP-DH2R2K0000	J AB	2.2 μH,Peaking
L833	VP-DH2R2K0000	J AB	2.2 mmH,Peaking

VARIABLE RESISTOR

VR351	92LVRS682NBMT	J AC	6.8 kohms (B),Semi-VR [VCO]
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VIBRATORS

X352	RCRSP0002AWZZ	J AH	Crystal,4.5 MHz
XL1	RCRM-0008AWZZ	J AF	Ceramic,16.93 MHz
XL701	RCRSP0003AWZZ	J AH	Crystal

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
C67,68	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C69,70	VCKYMN1HB221K	J AA	220 pF,50V
C81	RC-GZA107AF1A	J AB	100 μF,10V,Electrolytic
C91	RC-GZA476AF1C	J AB	47 μF,16V,Electrolytic
C92	VCTYMN1EF223Z	J AA	0.022 μF,25V
C94,95	VCKYMN1HB102K	J AA	0.001 μF,50V
C101,102	VCKYMN1HB102K	J AA	0.001 μF,50V

CD-C420/C,CD-C2700/C,CP-C420/SR420/C2700

NO.	PART CODE	★ PRICE RANK	DESCRIPTION
C105,106	VCKYMN1HB181K	J AA	180 pF,50V
C107,108	VCKYMN1HB102K	J AA	0.001 μF,50V
C109	VCKZPA1HF473Z	J AA	0.047 μF,50V
C111~114	VCKYMN1HB331K	J AA	330 pF,50V
C115,116	RC-GZA476AF1A	J AB	47 μF,10V,Electrolytic
C117,118	VCTYMN0JY183M	J AA	0.018 μF,6.3V
C119,120	VCKYMN1HB561K	J AA	560 pF,50V
C121,122	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C123,124	VCTYMN0JY153M	J AA	0.015 μF,6.3V
C127	VCTYMN1EF223Z	J AA	0.022 μF,25V
C128	RC-GZA335AF1E	J AB	3.3 μF,25V,Electrolytic
C129,130	VCKYMN1HB471K	J AA	470 pF,50V
C131,132	VCKYMN1HB102K	J AA	0.001 μF,50V
C133,134	RC-GZA226AF1C	J AB	22 μF,16V,Electrolytic
C135,136	VCTYPA1CX683K	J AA	0.068 μF,16V
C139,140	VCTYMN1CX332K	J AA	0.0033 μF,16V
C141,142	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C145	RC-GZA226AF1C	J AB	22 μF,16V,Electrolytic
C146	RC-GZA227AF1A	J AB	220 μF,10V,Electrolytic
C148	VCTYPA1CX823K	J AB	0.082 μF,16V
C150	RC-QZA392AFYJ	J AB	0.0039 μF,50V,Mylar
C151	RC-QZA273AFYJ	J AB	0.027 μF,50V,Mylar
C152	RC-GZA476AF1A	J AB	47 μF,10V,Electrolytic
C153	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C245,246	RC-QZA333AFYJ	J AB	0.033 μF,50V,Mylar
C302	VCCCMN1HH180J	J AA	18 pF (CH),50V
C303	VCTYMN1CY103K	J AA	0.01 μF,16V
C304	VCCCMN1HH4R7C	J AA	4.7 pF (CH),50V
C305	VCCCMN1HH150J	J AA	15 pF (CH),50V
C306	VCCSMN1HL330J	J AA	33 pF,50V
C307,308	VCTYMN1CX472K	J AA	0.0047 μF,16V
C309	VCCUMN1HJ6R8D	J AB	6.8 pF (UJ),50V
C310	VCKYMN1HB102K	J AA	0.001 μF,50V
C311	VCTYMN1EF223Z	J AA	0.022 μF,25V
C312	VCKYMN1HB102K	J AA	0.001 μF,50V
C313	VCTYMN1EF223Z	J AA	0.022 μF,25V
C314	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C316	VCKYMN1HB101K	J AA	100 pF,50V
C317	VCCUMN1HJ3R9K	J AA	3.9 pF (UJ),50V
C318	VCCCMN1HH220J	J AA	22 pF (CH),50V
C319	VCTYMN1EF223Z	J AA	0.022 μF,25V
C331	VCKZPA1HF473Z	J AA	0.047 μF,50V
C332,333	VCTYMN1EF223Z	J AA	0.022 μF,25V
C334	VCCUMN1HJ6R8J	J AB	6.8 pF (UJ),50V
C337	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C338	VCKYMN1HB101K	J AA	100 pF,50V
C349	VCTYMN1EF223Z	J AA	0.022 μF,25V
C350	RC-GZA227AF1A	J AB	220 μF,10V,Electrolytic
C351	VCTYMN1CX222K	J AA	0.0022 μF,16V
C353	VCTYMN0JY183M	J AA	0.018 μF,6.3V
C354	VCKYMN1HB471K	J AA	470 pF,50V
C355~357	RC-GZA335AF1H	J AB	3.3 μF,50V,Electrolytic
C358	92LCPU100V1500	J AC	0.0015 μF,100V
C359,360	VCTYMN1EF223Z	J AA	0.022 μF,25V
C361	RC-GZA226AF1C	J AB	22 μF,16V,Electrolytic
C363,364	VCTYPA1EX333K	J AA	0.033 μF,25V
C365~367	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C369	RC-GZA476AF1C	J AB	47 μF,16V,Electrolytic
C381	VCCCMN1HH120J	J AA	12 pF (CH),50V
C383,384	VCTYMN1EF223Z	J AA	0.022 μF,25V
C392	VCKYMN1HB102K	J AA	0.001 μF,50V
C393	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C395	VCKYBT1HB101K	J AA	100 pF,50V
C396	VCKYMN1HB471K	J AA	470 pF,50V
C397	VCKYMN1HB221K	J AA	220 pF,50V
C401~406	RC-QZA473AFYK	J AB	0.047 μF,50V,Mylar
C407,408	VCKYMN1HB391K	J AA	390 pF,50V
C409,410	RC-QZA473AFYK	J AB	0.047 μF,50V,Mylar
C411,412	RC-GZA226AF1E	J AB	22 μF,25V,Electrolytic
C413,414	VCKYMN1HB101K	J AA	100 pF,50V
C417,418	RC-QZA184AFYJ	J AC	0.18 μF,50V,Mylar
C419,420	RC-QZA683AFYJ	J AB	0.068 μF,50V,Mylar
C421~424	RC-QZA184AFYJ	J AC	0.18 μF,50V,Mylar
C427,428	RC-QZA392AFYJ	J AB	0.0039 μF,50V,Mylar
C433,434	VCTYMN1CX272K	J AA	0.0027 μF,16V
C435,436	RC-GZA226AF1C	J AB	22 μF,16V,Electrolytic
C437,438	VCKYMN1HB101K	J AA	100 pF,50V
C439,440	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C441,442	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C443	RC-GZA226AF1C	J AB	22 μF,16V,Electrolytic
C444	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C445,446	VCTYMN1EF223Z	J AA	0.022 μF,25V

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
C451,452	RC-GZA225AF1H	J AB	2.2 μF,50V,Electrolytic
C453,454	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C455	VCKYMN1HB221K	J AA	220 pF,50V
C701	VCTYMN1EF223Z	J AA	0.022 μF,25V
C702	RC-GZA227AF0J	J AB	220 μF,6.3V,Electrolytic
C703	VCCCMN1HH150J	J AA	15 pF (CH),50V
C704	VCCCMN1HH180J	J AA	18 pF (CH),50V
C705	VCTYMN1CY103N	J AA	0.01 μF,16V
C706	RC-EZY476AF1C	J AB	47 μF,16V,Electrolytic
C707	RC-GZA335AF1H	J AB	3.3 μF,50V,Electrolytic
C708	VCTYMN1CY103N	J AA	0.01 μF,16V
C709	RC-EZY107AF0J	J AB	100 μF,6.3V,Electrolytic
C710,711	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C715	RC-GZA227AF0J	J AB	220 μF,6.3V,Electrolytic
C717	VCTYMN1EF223Z	J AA	0.022 μF,25V
C718	VCKYMN1HB102K	J AA	0.001 μF,50V
C803,804	VCTYMN1CX152K	J AA	0.0015 μF,16V
C805,806	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C808	RC-GZA476AF1H	J AB	47 μF,50V,Electrolytic
C809,810	RC-GZV108AF1E	J AD	1000 μF,25V,Electrolytic [CD-C420/C]
C809,810	RC-GZV228AF1E	J AE	2200 μF,25V,Electrolytic [CD-C2700/C]
C813,814	RC-QZA473AFYK	J AB	0.047 μF,50V,Mylar
C823	RC-GZA107AF1H	J AC	1000 μF,50V,Electrolytic
C824	VCKZPA1HF223Z	J AA	0.022 μF,50V
C825	RC-GZW228AF1H	J AH	2200 μF,50V,Electrolytic [CD-C420/C]
C825	RC-GZW228AF1V	J AF	2200 μF,35V,Electrolytic [CD-C2700/C]
C827,828	RC-GZA107AF1H	J AC	100 μF,50V,Electrolytic
C829,830	RC-GZA476AF1H	J AB	47 μF,50V,Electrolytic
C831	VCKYBT1HB102K	J AA	0.001 μF,50V
C855	VCKYBT1HB561K	J AA	560 pF,50V
C871,872	VCKYMN1HB102K	J AA	0.001 μF,50V
C941	VCTYMN1EF223Z	J AA	0.022 μF,25V
C942	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C943	RC-GZV477AF1E	J AC	470 μF,25V,Electrolytic
C944	RC-GZW478AF1E	J AG	4700 μF,25V,Electrolytic
C945	VCTYMN1EF223Z	J AA	0.022 μF,25V
C947,948	RC-GZA106AF1H	J AB	10 μF,50V,Electrolytic
C952	RC-GZA476AF1C	J AB	47 μF,16V,Electrolytic
C953	VCKZPA1HF103Z	J AA	0.01 μF,50V
C954	RC-GZA106AF1H	J AB	10 μF,50V,Electrolytic
C955,956	RC-QZA473AFYJ	J AB	0.047 μF,50V,Mylar
C957	VCTYMN1EF223Z	J AA	0.022 μF,25V
C961,962	RC-QZA473AFYJ	J AB	0.047 μF,50V,Mylar
C971,972	RC-GZA107AF1H	J AC	100 μF,50V,Electrolytic
C973~975	RC-GZA476AF1H	J AB	47 μF,50V,Electrolytic
C976	RC-GZA107AF1V	J AB	100 μF,35V,Electrolytic

RESISTORS

R1	VRD-MN2BD000C	J AA	0 ohm,Jumper,ø1.4x3.5mm,Ivory
R2	VRD-MN2BD102J	J AA	1 kohm,1/8W
R3	VRD-MN2BD104J	J AA	100 kohm,1/8W
R4	VRD-MN2BD103J	J AA	10 kohm,1/8W
R5	VRD-MN2BD222J	J AA	2.2 kohms,1/8W
R6	VRD-MN2BD682J	J AA	6.8 kohms,1/8W
R7	VRD-MN2BD101J	J AA	100 ohm,1/8W
R8	VRD-MN2BD102J	J AA	1 kohm,1/8W
R9	VRD-MN2BD123J	J AA	12 kohms,1/8W
R10	VRD-MN2BD273J	J AA	27 kohms,1/8W
R11	VRD-MN2BD823J	J AA	82 kohms,1/8W
R12	VRD-MN2BD332J	J AA	3.3 kohms,1/8W
R13	VRD-MN2BD153J	J AA	15 kohms,1/8W
R14	VRD-MN2BD333J	J AA	33 kohms,1/8W
R15	VRD-MN2BD103J	J AA	10 kohm,1/8W
R16	VRD-MN2BD473J	J AA	47 kohms,1/8W
R17	VRD-MN2BD152J	J AA	1.5 kohms,1/8W
R18	VRD-MN2BD823J	J AA	82 kohms,1/8W
R19	VRD-ST2CD335J	J AA	3.3 Mohms,1/6W
R20	VRD-MN2BD393J	J AA	39 kohms,1/8W
R21	VRD-MN2BD103J	J AA	10 kohm,1/8W
R22	VRD-MN2BD563J	J AA	56 kohms,1/8W
R23	VRD-MN2BD682J	J AA	6.8 kohms,1/8W
R24	VRD-MN2BD122J	J AA	1.2 kohms,1/8W
R25	VRD-MN2BD103J	J AA	10 kohm,1/8W
R26,27	VRD-MN2BD122J	J AA	1.2 kohms,1/8W
R28,29	VRD-MN2BD224J	J AA	220 kohms,1/8W
R30	VRD-ST2CD102J	J AA	1 kohm,1/6W
	VRD-MN2BD153J	J AA	15 kohms,1/8W

CD-C420/C,CD-C2700/C,CP-C420/SR420/C2700

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
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-MN2BD471J	J	AA	470 ohms,1/8W
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-MN2BD391J	J	AA	390 ohms,1/8W
R77~79	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R81	VRD-MN2BD221J	J	AA	220 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
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
R107~110	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
R117,118	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
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 [CD-C420 Only]
R174	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R301	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R302	VRD-ST2CD220J	J	AA	22 ohms,1/6W
R303	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R306	VRD-MN2BD100J	J	AA	10 ohm,1/8W
R309	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R311	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R312	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R314	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R316	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R317	VRD-ST2EE821J	J	AA	820 ohms,1/4W
R320	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R321	VRD-MN2BD121J	J	AA	120 ohms,1/8W
R323	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R340	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R347	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R348	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R349	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R350	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R352	VRD-MN2BD153J	J	AA	15 kohms,1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R356	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R357,358	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R359,360	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R361	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R362	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R363	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R365	VRD-RT2HD151J	J	AA	150 ohms,1/2W
R369	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R371	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R372~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R375	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R381	VRD-ST2CD103J	J	AA	10 kohm,1/6W
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-MN2BD153J	J	AA	15 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-ST2CD683J	J	AA	68 kohms,1/6W
R477,478	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
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
R705~709	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R711	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R712~725	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R726	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R727~730	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R731~734	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R736	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R737	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R738~740	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R741~743	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R744	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R745	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R746	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R747	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R748	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R749	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R750,751	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R752	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R754	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R755	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R756,757	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R758	VRD-RT2HD100J	J	AA	10 ohm,1/2W
R759,760	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R761,762	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R763,764	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R765	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R766	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R767	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R768	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R769	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R771	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R772	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R773~775	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R776	VRD-MN2BD820J	J	AA	82 ohms,1/8W
R777,778	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R779	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R780,781	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R782	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R783	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R785	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R786	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R788	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R789	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R792	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R793	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R794	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R795	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R797	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R798	VRD-MN2BD151J	J	AA	150 ohms,1/8W
R799	VRD-MN2BD120J	J	AA	12 ohms,1/8W
R803,804	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R805,806	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R807,808	VRD-MN2BD221J	J	AA	220 ohms,1/8W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R809,810	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R811,812	VRD-RT2HD271J	J	AA	270 ohms,1/2W
R815	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R825	VRS-VV3LA681J	J	AC	680 kohms,3W,Metal Oxide Film [CD-C2700 Only]
R835,836	VRD-RT2HD331J	J	AA	330 ohms,1/2W
R941,942	VRD-ST2EE2R2J	J	AA	2.2 ohms,1/4W
R943,944	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R945	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R946	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R947	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R948,949	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R951	VRD-ST2EE152J	J	AA	1.5 kohms,1/4W
R952	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R953	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R956	VRD-RT2HD1R5J	J	AB	1.5 ohms,1/2W
R972	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R973	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R974	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R975,976	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R977,978	VRD-ST2EE2R2J	J	AA	2.2 ohms,1/4W

OTHER CIRCUITRY PARTS

BI901/CNS901	QCWNW0890AWZZ	J	AE	Connector Ass'y,6-6Pin
BIM1/CNSM1	QCWNW0897AWZZ	J	AF	Connector Ass'y,10-12Pin
BIM5/CNS10/CNS5	QCWNW0894AWZZ	J	AH	Connector Ass'y,6-10-2Pin
CNP1	QCNCM931EAFZZ	J	AC	Plug,5Pin
CNP2	92LCONE8P53253	J	AC	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin
CNP3A	92LCONE6P53253	J	AC	Plug,6Pin
CNP5A	92LCONE2P53254	J	AB	Plug,2Pin
CNP10	92LCONEAP53254	J	AD	Plug,10Pin
CNP101	92LCONE3P5267X	J	AB	Plug,3Pin
CNP102	92LCONE-7P5267	J	AC	Plug,7Pin
CNP301	92LCONE-3P5268	J	AC	Plug,3Pin
CNP901	QCNCM742FAFZZ	J	AB	Plug,6Pin
CNPM1	QCNCM932MAFZZ	J	AE	Plug,12Pin
CNPM2	QCNCM030BAWZZ	J	AB	Pin Header
CNS1A/B	QCWNW0891AWZZ	J	AG	Connector Ass'y,5-5Pin
CNS2A/B	QCWNW0892AWZZ	J	AF	Connector Ass'y,8-8Pin
CNS3A/B	QCWNW0893AWZZ	J	AF	Connector Ass'y,6-6Pin
CNS101	QCWNW0895AWZZ	J	AE	Connector Ass'y,3Pin
CNS102	QCWNW0896AWZZ	J	AG	Connector Ass'y,8Pin
FL701	VVKFIP9EM7R-1	J	AV	FL Display
FWM1	QCWNW0328AWZZ	J	AC	Flat Cable,2Pin
FWM2	QCWNW0338AWZZ	J	AD	Flat Cable,2Pin
J801	QJAKM0005AWZZ	J	AD	Jack,Headphones
M1	92LMTR1858CASY	J	AS	Motor with Chassis [Spin]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Slide]
M3	92LMTR2037AS1	J	AP	Motor with Worm [T/T Up/Down]
MM1	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
PHM1	VHPI31535CD-1	J	AG	Photo Interrupter
RX701	VHLSPSP440/-1	J	AH	Remote Sensor,SPSP440
SO401	QSOCJ0209AWZZ	J	AD	Jack,VIDEO/AUX.
SO801	QTANA0404AWZZ	J	AF	Terminal,Speaker
SO802	QTANA0404AWZZ	J	AF	Terminal,Speaker [CD-C420 Only]
SOLM1,2	RPLU-0002AWZZ	J	AH	Solenoid Ass'y
SW1	QSW-P0004AWZZ	J	AE	Switch,Push Type [Open/Close]
SW2	QSW-F0001AWZZ	J	AD	Switch,Leaf Type [Mecha Up]
SW3	QSW-P0005AWZZ	J	AD	Switch,Push Type [Disc Number]
SW4	QSW-F9001AWZZ	J	AE	Switch,Leaf Type [Pickup In]
SW701	92LSWICH-1401A	J	AC	Switch,Key Type [RANDOM/DEMO]
SW702	92LSWICH-1401A	J	AC	Switch,Key Type [VOLUME DOWN]
SW703	92LSWICH-1401A	J	AC	Switch,Key Type [X-BASS]
SW704	92LSWICH-1401A	J	AC	Switch,Key Type [VOLUME UP]
SW705	92LSWICH-1401A	J	AC	Switch,Key Type [OPEN/CLOSE]
SW706	92LSWICH-1401A	J	AC	Switch,Key Type [DISK SKIP]
SW709	92LSWICH-1401A	J	AC	Switch,Key Type [REC/PAUSE]
SW710	92LSWICH-1401A	J	AC	Switch,Key Type [UP]
SW711	92LSWICH-1401A	J	AC	Switch,Key Type [STOP]
SW712	92LSWICH-1401A	J	AC	Switch,Key Type [PLAY]
SW713	92LSWICH-1401A	J	AC	Switch,Key Type [DOWN]
SW714	92LSWICH-1401A	J	AC	Switch,Key Type [TUNING UP]
SW715	92LSWICH-1401A	J	AC	Switch,Key Type [TUNING DOWN]
SW717	92LSWICH-1401A	J	AC	Switch,Key Type [POWER]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SW718	92LSWICH-1401A	J	AC	Switch,Key Type [CLOCK]
SW719	92LSWICH-1401A	J	AC	Switch,Key Type [TIMER/SLEEP]
SW721	92LSWICH-1401A	J	AC	Switch,Key Type [MEMORY/SET]
SW722	92LSWICH-1401A	J	AC	Switch,Key Type [CD]
SW723	92LSWICH-1401A	J	AC	Switch,Key Type [TUNER]
SW724	92LSWICH-1401A	J	AC	Switch,Key Type [TAPE]
SW725	92LSWICH-1401A	J	AC	Switch,Key Type [VIDEO/AUX.]
SWM3	92LM-SW1676A	J	AC	Switch,Leaf Type [Fool Proof]
SWM4	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
SWM5	92LM-SW1658A	J	AB	Switch,Leaf Type [CAM]

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
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	LHLDS1001AW01	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	AB	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,ø2.6x2.5mm
502	92L2TTS+4BZ	J	AA	Screw,ø2x4mm
503	92L2TTS+5BZ	J	AA	Screw,ø2x5mm
504	92L1R5WC3R8R5P	J	AA	Washer,ø1.5xø3.8x0.5mm
505	92L2R2TWO	J		Washer,ø2mm
506	LX-BZ0004AWFD	J	AC	Screw,Lock Lever
507	XHPSD20P05000	J	AA	Screw,ø2x5mm
508	92L2R3W3R4R25P	J	AA	Washer,ø2.3xø3.4x0.25mm
510	92L1R8WC4-R5P	J	AA	Washer,ø1.8xø4x0.5mm
MM1	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
SOLM1	RPLU-0002AWZZ	J	AH	Solenoid Ass'y
SWM3	92LM-SW1676A	J	AC	Switch,Leaf Type [Fool Proof]
SWM4	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
SWM5	92LM-SW1658A	J	AB	Switch,Leaf Type [CAM]

CD-C420/C,CD-C2700/C,CP-C420/SR420/C2700

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
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	MSPRC0961AFZZ	J	AA	Spring,Rack
701	92L2R6S+6CZ	J	AB	Screw,ø2.6x6mm
702	92L2TTS+5BB	J	AB	Screw,ø2x5mm
703	92L2S+3PZ	J	AA	Screw,ø2x3mm
704	92L1R5WC3R8R25	J	AA	Washer,ø1.5xø3.8x0.25mm
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	92LCAB2444AS1	J	AX	Front Panel Ass'y [CD-C420/C420C]
201	92LCAB2475AS1	J	AV	Front Panel Ass'y [CD-C2700/C2700C]
201- 1	—	—	—	Front Panel (Not Replacement Item)
201- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
201- 3	HDECQ0172AWSA	J	AF	Panel,Amp. [CD-C420/C420C]
201- 3	HDECQ0180AWSA	J	AD	Panel,Amp. [CD-C2700/C2700C]
202	GCAB-1045AWSA	J	AM	Top Cabinet [CD-C420/C420C]
202	GCAB-1045AWSB	J	AM	Top Cabinet [CD-C2700/C2700C]
203	GITAR0168AWSA	J	AF	Back Board [CD-C420]
203	GITAR0182AWSA	J	AF	Back Board [CD-C420C]
203	GITAR0183AWSA	J	AF	Back Board [CD-C2700]
203	GITAR0184AWSA	J	AF	Back Board [CD-C2700C]
204	92LMEC2444CTS1	J	AK	Cassette Holder Ass'y,Tape 1 [CD-C420/C420C]
204	92LMEC2475CTS1	J	AL	Cassette Holder Ass'y,Tape 1 [CD-C2700/C2700C]
204- 1	—	—	—	Cassette Holder,Tape 1 (Not Replacement Item)
204- 2	HDECQ0173AWSA	J	AD	Panel,Cassette,Tape 1
206	92LMEC2444CTS2	J	AK	Cassette Holder Ass'y,Tape 2 [CD-C420/C420C]
206	92LMEC2475CTS2	J	AL	Cassette Holder Ass'y,Tape 2 [CD-C2700/C2700C]
206- 1	—	—	—	Cassette Holder,Tape 2 (Not Replacement Item)
206- 2	HDECQ0174AWSA	J	AD	Panel,Cassette,Tape 2
209	92LCAB2444BS1	J	AM	Side Panel Ass'y,Left [CD-C420/C420C]
209	92LCAB2475BS1	J	AM	Side Panel Ass'y,Left [CD-C2700/C2700C]
209- 1	—	—	—	Side Panel,Left (Not Replacement Item)
209- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
210	92LCAB2444CS1	J	AM	Side Panel Ass'y,Right [CD-C420/C420C]
210	92LCAB2475CS1	J	AB	Side Panel Ass'y,Right [CD-C2700/C2700C]
210- 1	—	—	—	Side Panel,Right (Not Replacement Item)
210- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
211	GCOVA1135AWSA	J	AF	Cover,CD Tray [CD-C420/C420C]
211	GCOVA1135AWSB	J	AF	Cover,CD Tray [CD-C2700/C2700C]
212	92LLABL1784F	J	AC	Label,UL Caution
213	MLIFP0003AWZZ	J	AE	Damper
214	MSPRD0092AWFJ	J	AB	Spring,Cassette,Tape 1
215	LCHSM0045AWFW	J	AR	Main Chassis
216	QACCD0011AWZZ	J	AK	AC Power Supply Cord
217	92LN-BAND1318A	J	AA	Nylon Band,80mm
218	LANGT0043AWFW	J	AC	Bracket,Heat Sink Support [CD-C420/C420C]
219	MSPRD0093AWFJ	J	AB	Spring,Cassette,Tape 2
221	JKNBZ0335AWSA	J	AC	Knob,Tuner/Memory
222	JKNBZ0334AWSA	J	AD	Knob,Function
223	JKNBZ0332AWSA	J	AD	Knob,Operation A

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
224	JKNBZ0333AWSA	J	AC	Knob,Operation B
225	JKNBZ0337AWSA	J	AB	Knob,X-BASS [CD-C420/C420C]
225	JKNBZ0337AWSB	J	AD	Knob,X-BASS [CD-C2700/C2700C]
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	J	Belt,Drive
240	MSPRD0044AWFJ	J	AB	Spring,Lock Lever
241	MLEVP0067AWZZ	J	AC	Lever,Lock
242	LCHSZ0010AWZZ	J	AM	Chassis,Loading
243	NROLP0009AWZZ	J	J	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
249	NTNT-0018AWSA	J	AK	Turntable
250	LHLDZ1140AWZZ	J	AB	Guide
251	LHLDZ1087AWSA	J	AC	Holder,FL Display
252	PRDAR0069AWFW	J	AF	Heat Sink [CD-C420/420C]
252	PRDAR0070AWFW	J	J	Heat Sink [CD-C2700/2700C]
253	LANGT0042AWFW	J	AC	Bracket
254	PRDAR0078AWFW	J	AH	Heat Sink,Fin Type,Small [CD-C2700/C2700C]
254	92LRDAT-1468B	J	AE	Heat Sink,Fin Type,Small [CD-C420/C420C]
256	PCUSG0027AWZZ	J	J	Worm Wheel Cushion
257	MSPRC0024AWFW	J	J	Spring,Solenoid
258	RPLU-0002AWZZ	J	AH	Solenoid Ass'y
601	XESSD30P10000	J	AA	Screw,ø3x10mm
602	LX-JZ0022AFFD	J	AA	Screw,ø3x8mm
603	XEBSD30P10000	J	AA	Screw,ø3x10mm
604	LX-HZ0082AFZZ	J	AA	Screw,ø4x8mm
604	XHBSD40P08000	J	AA	Screw,ø4x8mm [CD-C420/C420C]
605	XJBSD30P06000	J	AA	Screw,ø3x6mm
606	XJBSE30P10000	J	AA	Screw,ø3x10mm
607	LX-JZ0004AWFD	J	AA	Screw,ø3x12mm
608	XEBSE30P12000	J	AA	Screw,ø3x12mm
609	XBPSD26P05JS0	J	AA	Screw,ø2.6x5mm
610	LX-TZ0019AFZZ	J	AB	Screw,Special
611	XEBSD26P12000	J	AA	Screw,ø2.6x12mm
612	XEBSD30P12000	J	AA	Screw,ø3x12mm
613	LX-EZ0005AWFD	J	AA	Screw,Special
614	XJSSF30P10000	J	AA	Screw,ø3x10mm
616	XJBSD30P10000	J	AA	Screw,ø3x10mm
617	LX-JZ0002AWFD	J	AA	Screw,ø3x10mm
PACKING PARTS (For Canada Only)				
	SPAKA0124AWZZ	J	J	Packing Add.,Left/Right [CD-C420C/C2700C Only]
	SPAKC0478AWZZ	J	J	Packing Case [CD-C420C Only]
	SPAKC0480AWZZ	J	J	Packing Case [CD-C2700C Only]
	SPAKP0013AWZZ	J	AC	Polyethylene Bag,Unit [CD-C420C/C2700C Only]
	92LBAG1460C1	J	AB	Polyethylene Bag,Accessories [CD-C420C/C2700C Only]
ACCESSORIES				
	QANTL0004AWZZ	J	AG	FM/AM Loop Antenna
	TINSE0143AWZZ	J	AD	Operation Manual [CD-C420]
	TINSE0145AWZZ	J	AD	Operation Manual [CD-C2700]
	TINSK0054AWZZ	J	AD	Operation Manual [CD-C420C]
	TINSK0055AWZZ	J	J	Operation Manual [CD-C2700C]
	TINSZ0190AWZZ	J	J	Quick Guide [CD-C420 Only]
	TINSZ0196AWZZ	J	AB	Quick Guide [CD-C2700 Only]
	RRMCG0099AWSA	J	AR	Remote Control
	92LLID1782A	J	AQ	Battery Lid,Remote Control

NO.	PART CODE	★ PRICE RANK	DESCRIPTION
P.W.B. ASSEMBLY (Not Replacement Item)			
PWB-A1~5	92LPWB2475MANS	J —	Main/Display/Headphones/ Power/Power (Combined Ass'y) [CD-C2700/C2700C]
PWB-A1~5	92LPWB2444MANS	J —	Main/Display/Headphones/ Power/Power (Combined Ass'y) [CD-C420/C420C]
PWB-B	QPWBF0027AWZZ	J AD	CD Motor (PWB Only)
PWB-C	QPWBF0106AWZZ	J AF	Tape Mechanism (PWB Only)
PWB-D	QPWBF0341AWZZ	J	Sensor (PWB Only)

CP-C420**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		Speaker Cord
704	92L351-0119	J	AB	Label, Specification
705	92L316-0022	J		Panel, Duct
706	92L394-0024	J	AC	Port Cushion
707	92L302-0008	J	AE	Support, Woofer
708	92L372-0023	J	AB	Screw, $\phi 4 \times 35$ mm
SP1,2	VSP0010PBS78A	J	AU	Speaker, Woofer

PACKING PARTS (For Canada Only)

92L411-0064	J		Polyethylene Bag, Speaker
92L412-0063	J		Packing Add., Speaker (Top/Bottom)
92L414-0007	J		Mirror Mat
92L416-0019	J		Pad, Speaker

ACCESSORY

92L353-0042	J	AB	Label, Feature
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CP-SR420**SPEAKER BOX PARTS**

701	92L121-0069	J	AN	Net Frame Ass'y
702	92L314-0011	J	AG	Bottom Cabinet
703	92L291-0033	J		Speaker Cord Ass'y
704	XEBSD30P20000	J	AA	Screw, $\phi 3 \times 20$ mm
SP1,2	VSP0010PBS8WA	J	AM	Speaker, Woofer

PACKING PARTS (For Canada Only)

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

CP-C2700**SPEAKER BOX PARTS**

701	92L20100270010	J	AR	Net Frame Ass'y
702	92L20300270010	J	AL	Duct Panel
703	92L10002270010	J	AY	Speaker Box Ass'y
704	92L44010211900	J	AC	Port Cushion (Right)
705	92L3141C270010	J	AF	Internal Lead Ass'y
706	92L3121C270010	J		Speaker Cord
707	92L6000C270000	J	AD	Label, Specification
708	92L411B84035AB	J	AD	Screw, $\phi 4 \times 35$ mm
709	92L411B930100P	J	AC	Screw, $\phi 3 \times 10$ mm
710	92L21000270000	J	AH	Support, Woofer
711	92L20500270000	J		Duct (Left)
712	92L44010310300	J		Port Cushion (Left)
713	92L44210210300	J		Duct Cushion
SP1,2	92L303R0300110	J	AN	Super Tweeter Ass'y
SP3,4	VSP0013PB164A	J	AX	Woofer

PACKING PARTS (For Canada Only)

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

ACCESSORY

92L6100C270000	J	AH	Label, Feature
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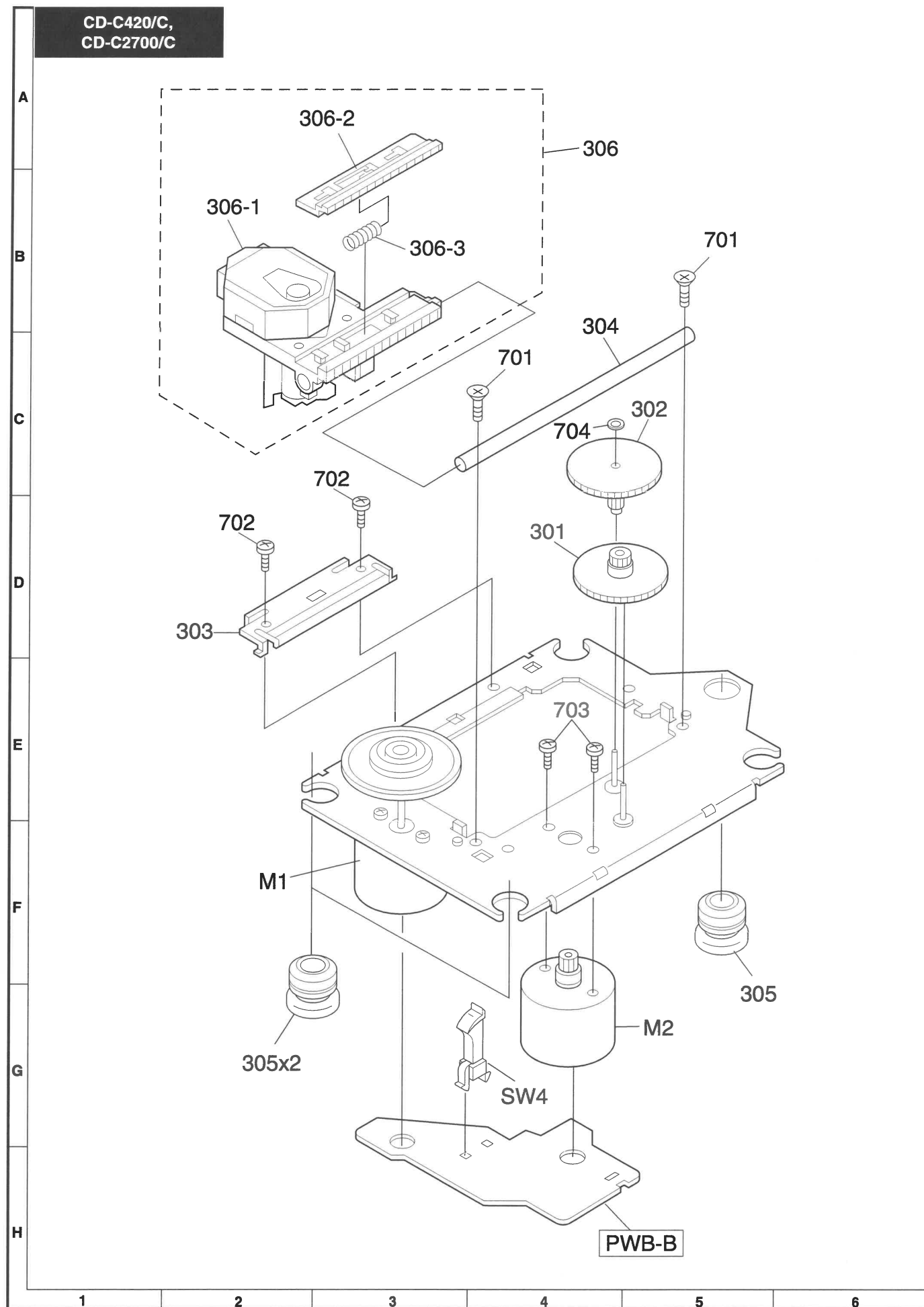


Figure 7 CD MECHANISM EXPLODED VIEW

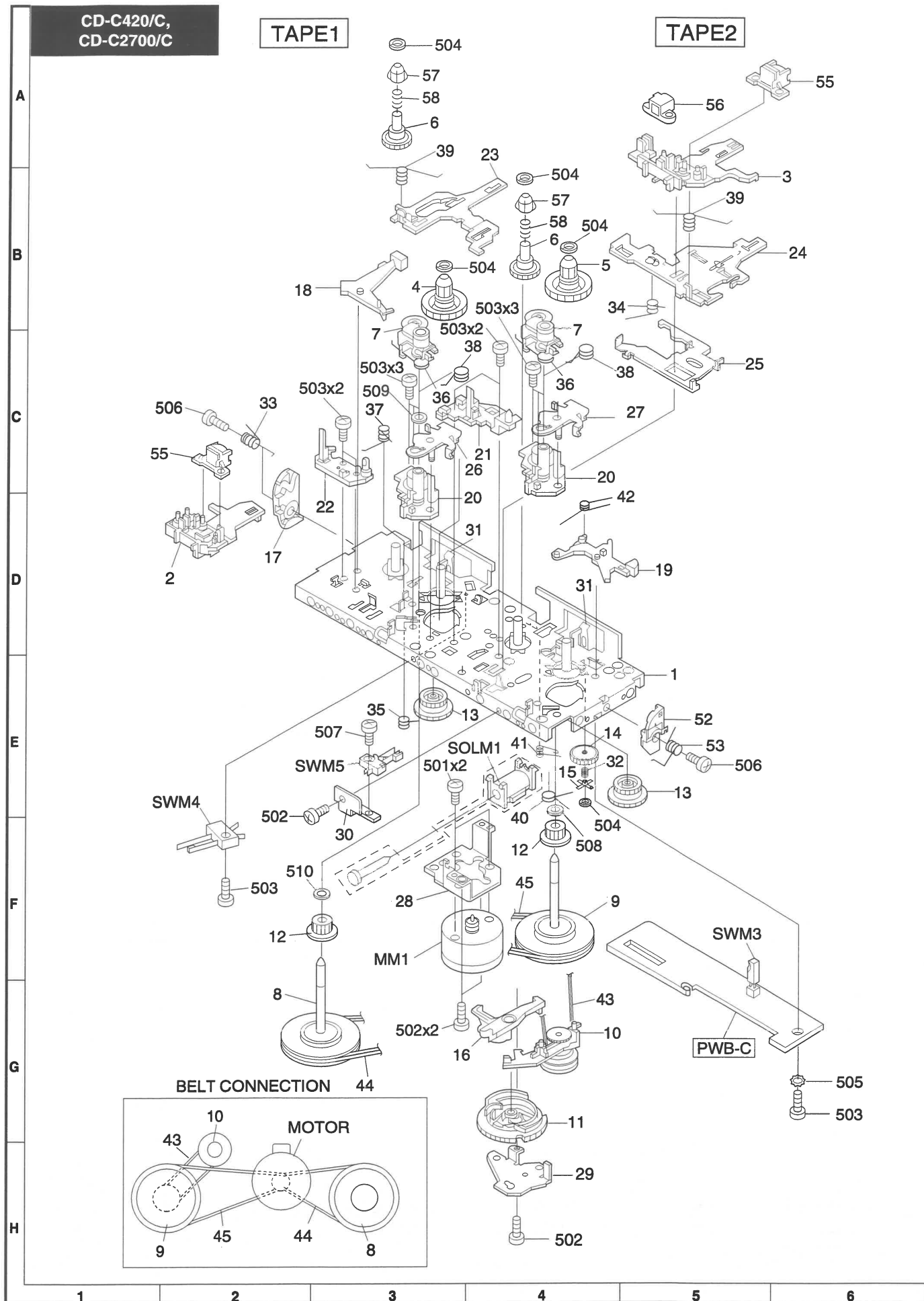


Figure 8 TAPE MECHANISM EXPLODED VIEW

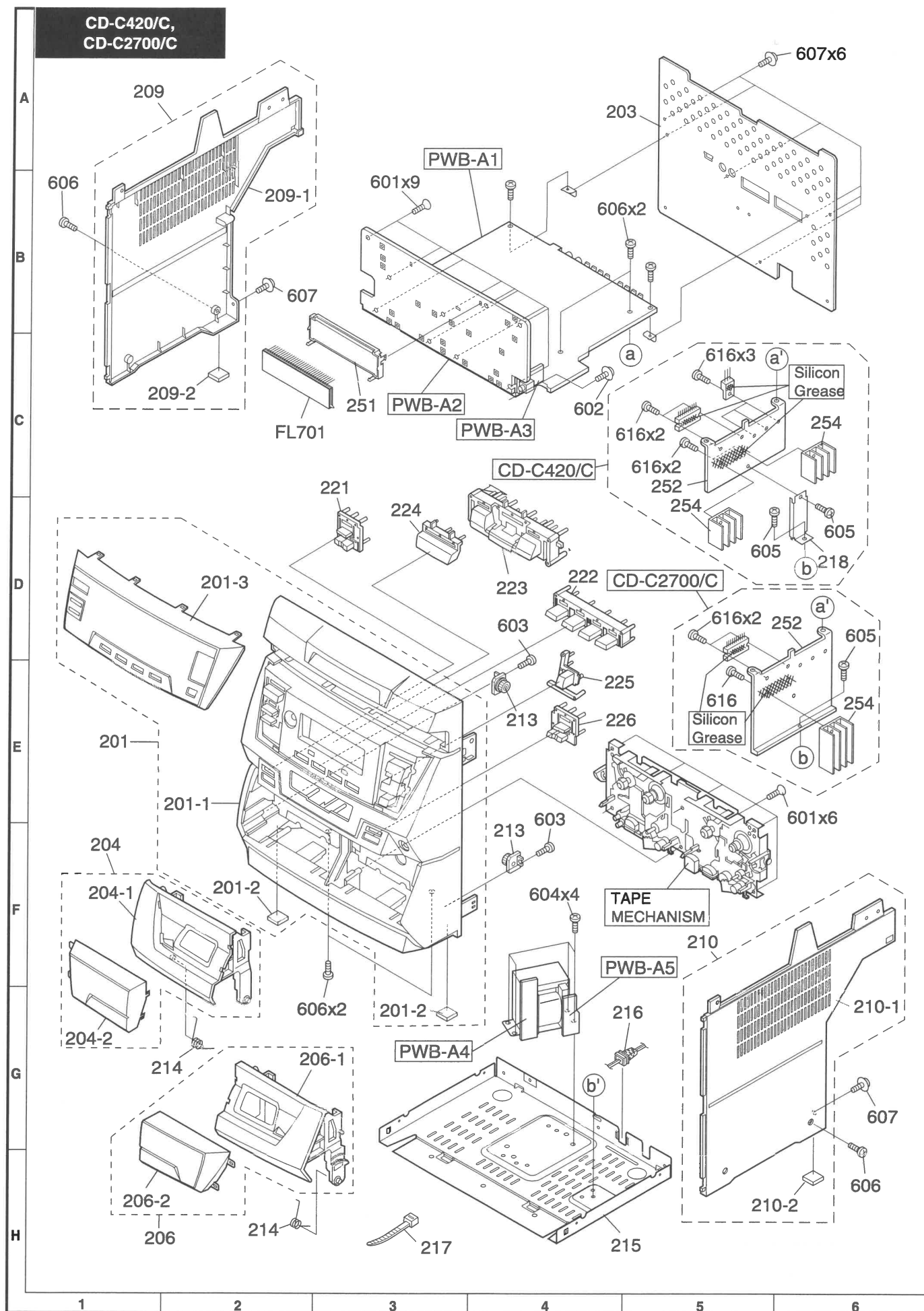


Figure 9 CABINET EXPLODED VIEW (1/2)

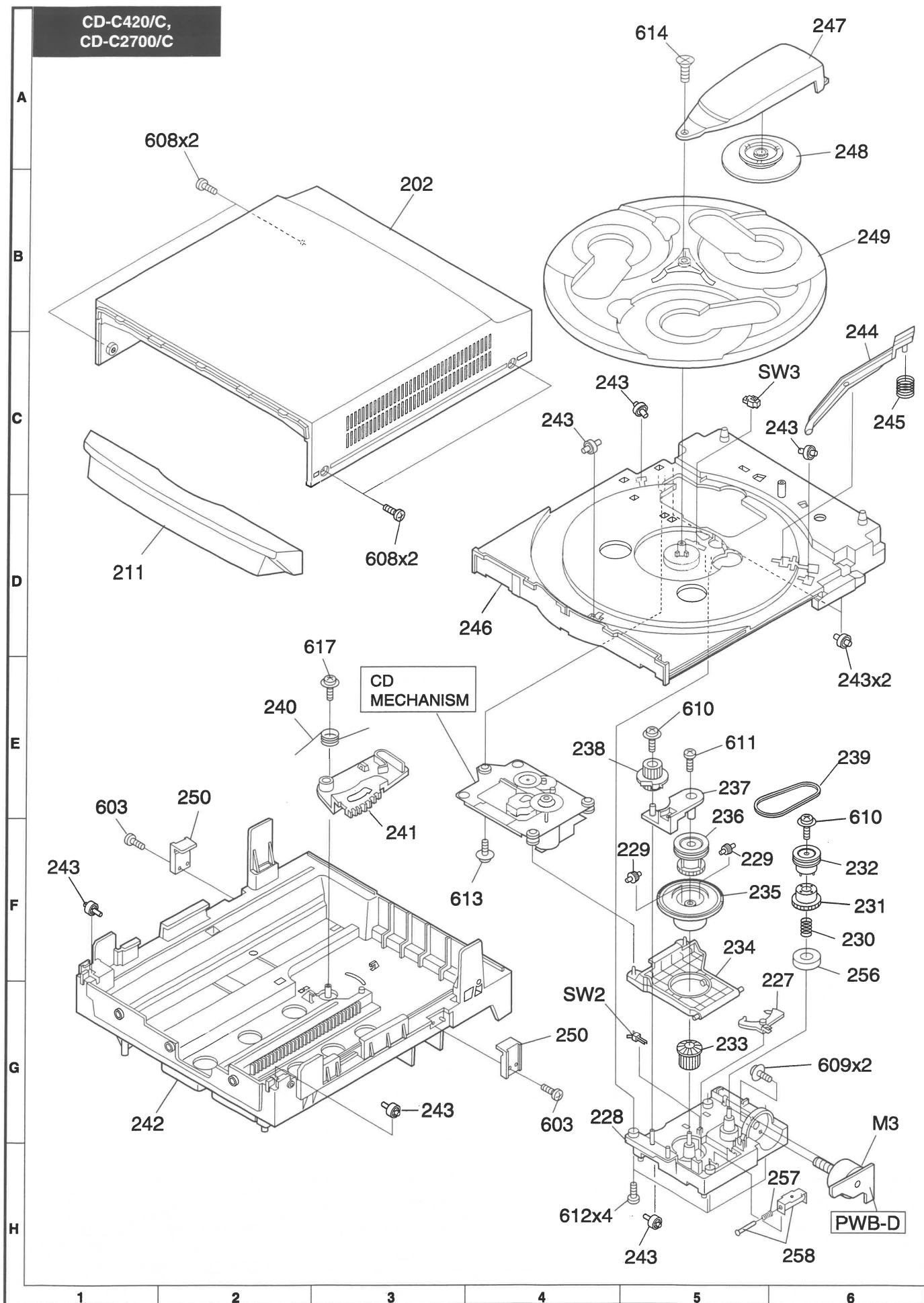


Figure 10 CABINET EXPLODED VIEW (2/2)

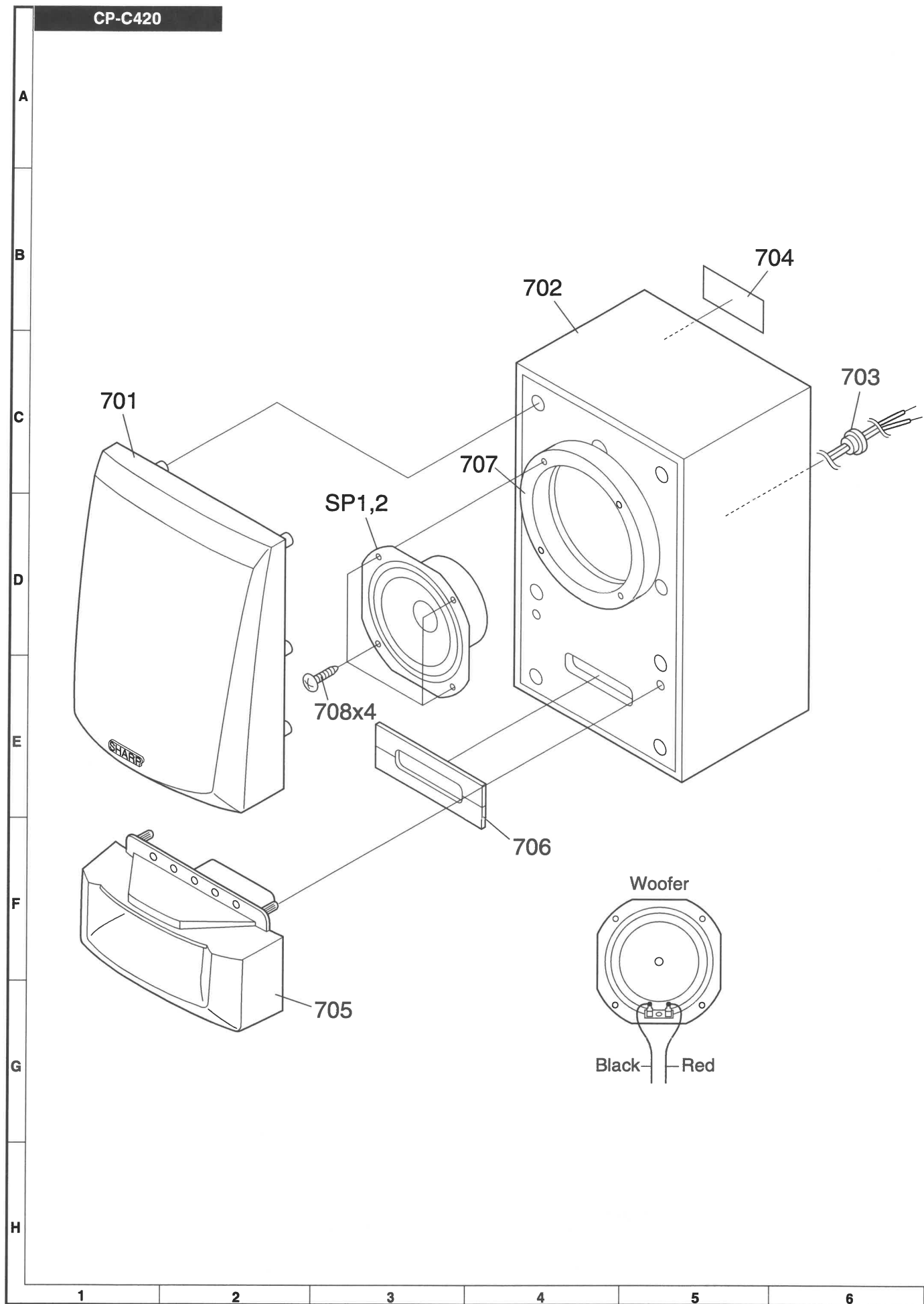


Figure 11 SPEAKER EXPLODED VIEW (1/3)

CP-SR420

A
B
C
D
E
F
G
H

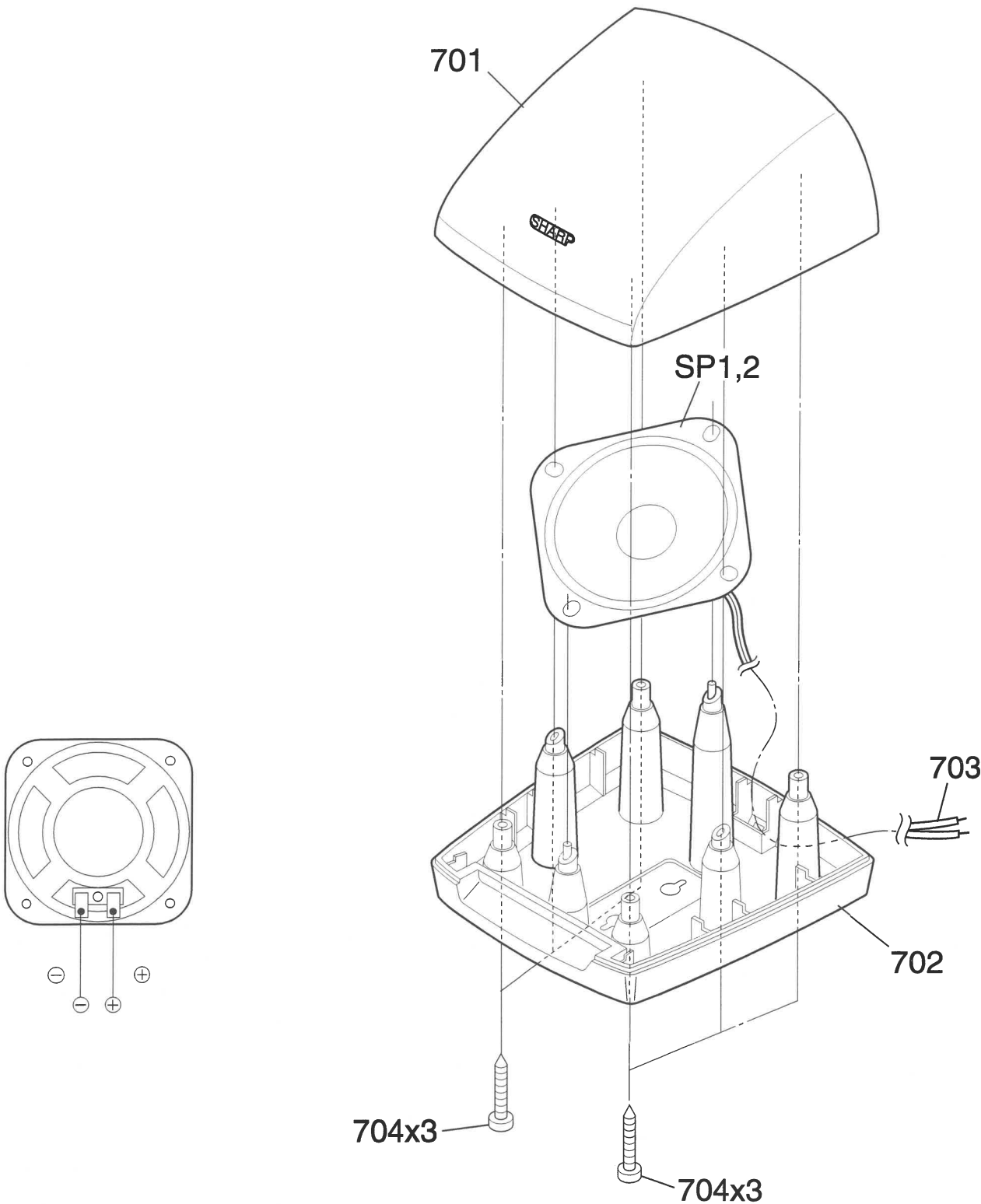


Figure 12 SPEAKER EXPLODED VIEW (2/3)

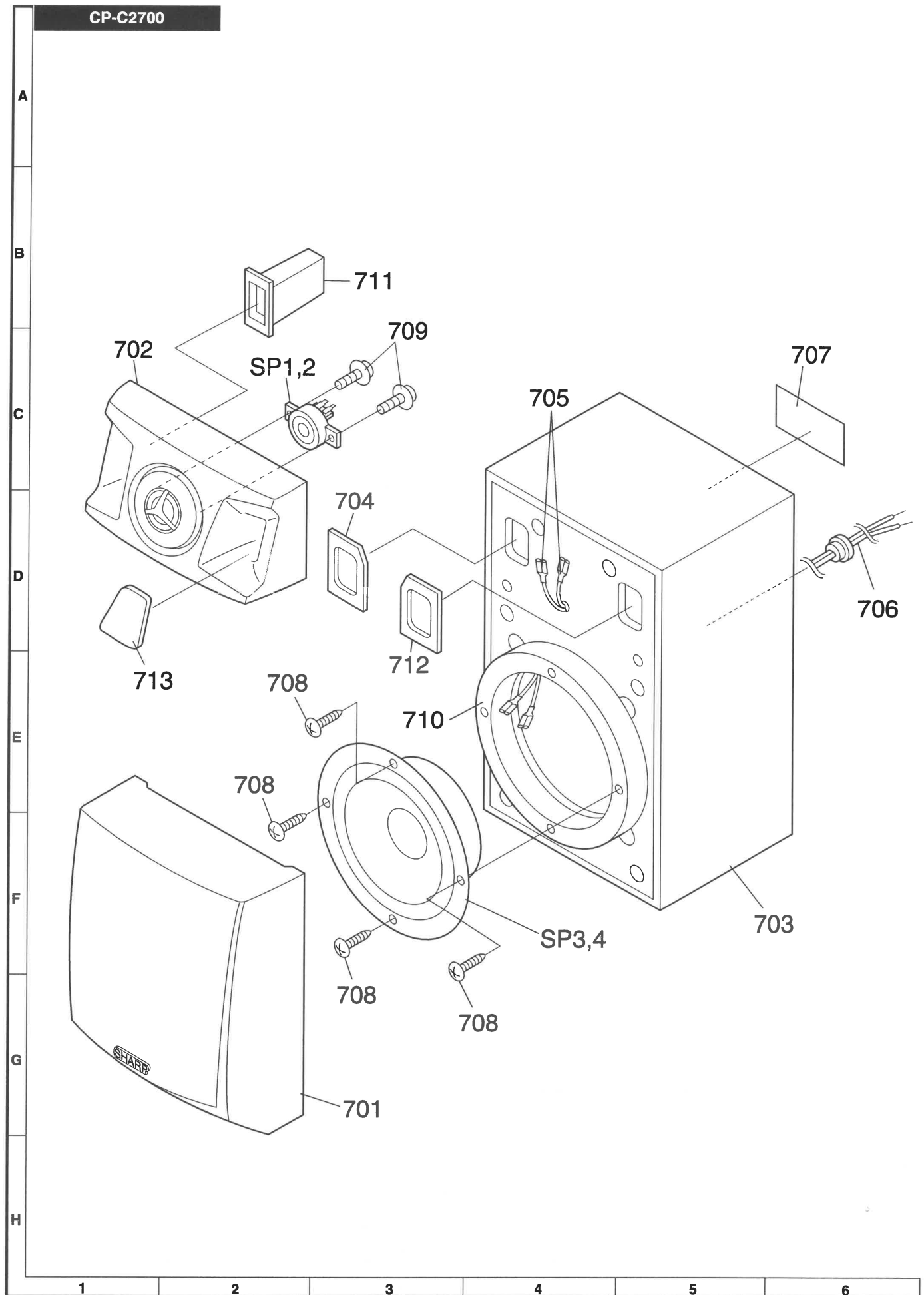


Figure 13 SPEAKER EXPLODED VIEW (3/3)

— M E M O —

PACKING OFF THE SET (FOR CD-C420/C2700 ONLY)

Setting position of switches and knobs

Tape Mechanism

STOP

★ SPAKP0013AWZZ
Polyethylene Bag, Unit

★ SPAKA0124AWZZ
Packing Add, Left/Right

★ 92L411-0064
[CD-C420]
92L70032000710
[CD-C2700]
Polyethylene Bag, Speaker

★ 92L414-0007
[CD-C420]
92L71525001500
[CD-C2700]
Mirror Mat

CP-C420,
CP-C2700

Quick Guide
Operation Manual
FM/AM Loop Antenna
Remote Control

★ 92LBAG1460C1
Polyethylene Bag,
Accessories

CP-C420,
CP-C2700

CP-SR420
(CD-C420 Only)

★ 92L412-0064
Packing Add., Speaker
(Top/Bottom)

★ 92L412-00643 [CD-C420]
92L720PC270000
[CD-C2700]
Packing Add., Speaker
(Top/Bottom)

★ SPAKC0466AWZZ
[CD-C420]
SPAKC0479AWZZ
[CD-C2700]
Packing Case

★ Not Replacement Item

A9703-2684NS•HA•M

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