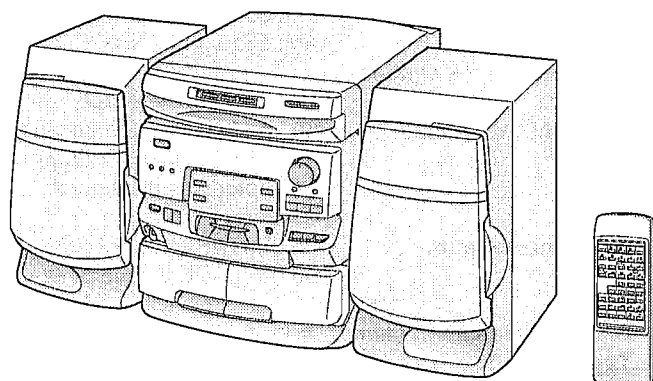


SHARP SERVICE MANUAL

No. S0660CDC880XK



CD-C880X(BK)

COMPACT disc
DIGITAL AUDIO (●) **SOUND RETRIEVAL SYSTEM**

- SRS technology Licensed from SRS Lab. SRS technology holds the following patents: U.S. Patent No. 4,748,669, U.S. Patent No. 4,841,572 and U.S. Patent No. 4,866,774.
- SRS the SRS Logo (●) and the **SOUND RETRIEVAL SYSTEM** are registered trademarks of SRS Labs, Inc.

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

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CD-C880X

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

SPECIFICATIONS

● General

Power source: AC 110/127/220/230-240 V,
50/60 Hz

Power consumption: 200 W

Dimensions: Width; 270 mm (10-11/16")
Height; 350 mm (13-13/16")
Depth; 346 mm (13-5/8")
7.8 kg (17.2 lbs.)

Weight:

● Amplifier section

Output power: PMPO; 600 W (total)
MPO; 192 W (96 W + 96 W)
(10 % T.H.D)
RMS; 100 W (50 W + 50 W)
(10 % T.H.D)

Input terminals: VIDEO/AUX (audio signal);
500 mV/47 kohms
VIDEO/AUX (video signal);
1 Vp-p (75 ohms unbalanced)

Output terminals:

Speakers; 6 ohms
CD digital output (optical)
Headphones; 16-50 ohms
(recommended; 32 ohms)
VIDEO/AUX (audio signal);
500 mV/47 kohms
VIDEO/AUX (video signal);
1 Vp-p (75 ohms unbalanced)

● Compact disc player section

Type: 3-disc multi-play compact disc
player

Signal readout: Non-contact, 3-beam semi-
conductor laser pickup

Rotational speed: 200 - 500 rpm CLV, Approx.

Error correction: CIRC (Cross Interleave Reed-
Solomon Code)

Quantization: 16-bit linear

Filter: 8-times oversampling digital filter

D/A converter: 1-bit D/A converter

Frequency response: 20 - 20,000 Hz

Dynamic range: 90 dB (1 kHz)

Wow and flutter: Unmeasurable
(less than 0.001% W. peak)

● Tuner section

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

● Cassette deck section

Type: Compact cassette tape

Frequency response: 50 - 14,000 Hz (Normal tape)
50 - 15,000 Hz (CrO₂ tape)

Motor: DC motor with electronic
governor x 1

Signal/noise ratio: 55 dB (TAPE 1, playback)
50 dB (TAPE 2, recording/
playback)

Bias and erasure system:

AC

Tape Speed: 4.76 cm/sec. (1-7/8 ips.)

Wow and flutter: 0.15 % (WRMS)

Heads:

TAPE-1: Playback x 1
TAPE-2: Record/Playback x 1
Erase x 1

● Speaker section

Type: 3-way type [160 mm (6-1/2")
woofer, 60 mm (2-5/16") tweeter
and super tweeter]

Rated input power: 50 W

Maximum input power: 100 W

Impedance: 6 ohms

Dimensions: Width; 210 mm (8-5/16")
Height; 350 mm (13-13/16")
Depth; 309 mm (12-3/16")

Weight: 5.0 kg (11.0 lbs.)/each

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

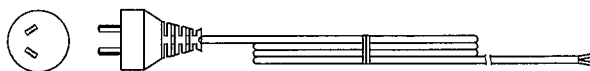
VOLTAGE SELECTION

The voltage selector is located on the AC voltage selector box. If adjustment is necessary, use a screwdriver in order to turn the selector in either direction until the correct voltage figure is displayed in the window next to the adjustment screw.

QACCA0001AW00



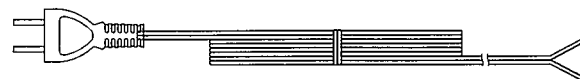
92LC5RDA1387C



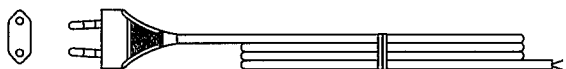
QACCB0003AW00



92LC5RDT1699A



QACCE0003AW00



92LPLUG155A



92LPLUG027

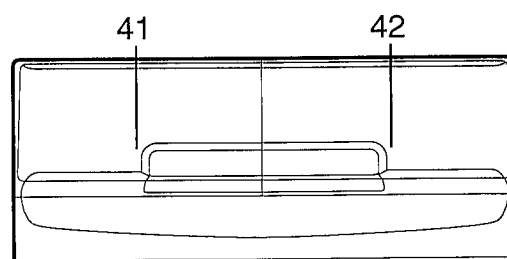
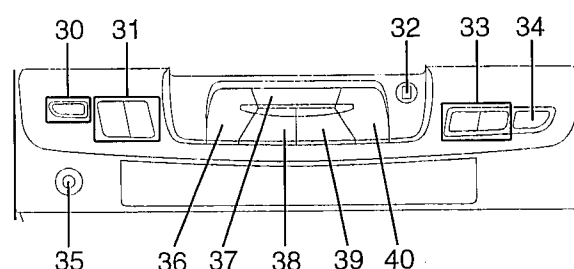
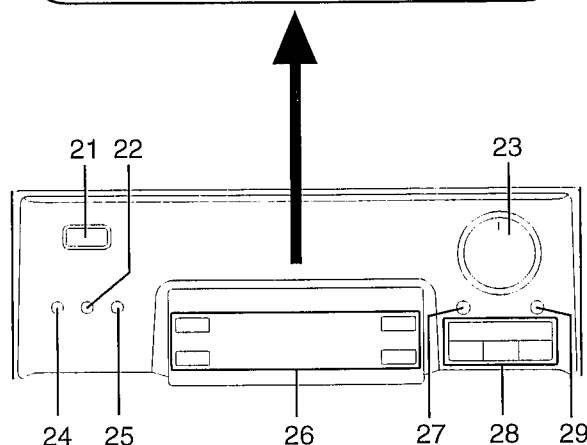
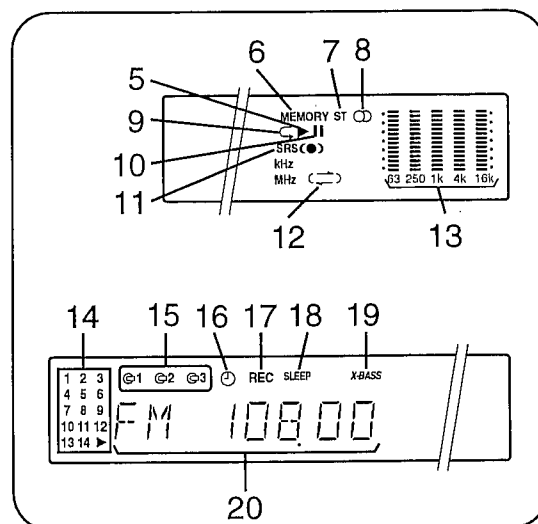
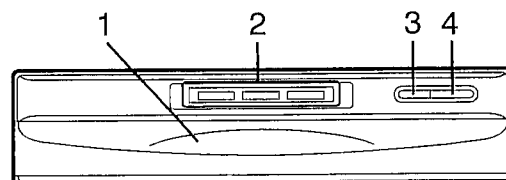


Figure 2 AC POWER SUPPLY CORD AND AC PULG ADAPTOR

NAMES OF PARTS

■ Front panel

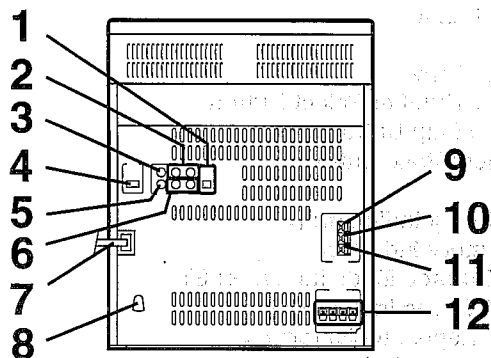
1. Disc Tray
2. Disc Number Select Buttons
3. Disc Skip Button
4. Open/Close Button: ▲
5. CD Play Indicator: ►
6. Memory Indicator
7. FM Stereo Mode Indicator: ST
8. FM Stereo Indicator: ○
9. CD Repeat Indicator: ⇄
10. CD Pause Indicator: ■■
11. SRS Indicator
12. Reverse Mode Indicator: ⇄
13. Spectrum Analyzer/Volume Level Indicator
14. Music Schedule Indicators
15. Disc Number Indicators
16. Timer Indicator
17. Record Indicator
18. Sleep Indicator
19. Extra Bass Indicator: X-BASS
20. Function/CD Track/ Preset channel/Volume/ Frequency/CD Counter/Time/Sleep Time Indicator
21. Power Switch
22. Sleep Button
23. Volume Control
24. Clock Button
25. Timer Button
26. Function Selector Buttons
27. Extra Bass Button: X-BASS
28. 3D Surround Mode Buttons: PASS/MONO/STEREO
29. Equalizer Mode Button
30. Memory/Set/Demo Mode Button
31. Tuning and Time Up/Down Buttons: ∇/△
32. Reverse Mode Button
33. Editing Speed Selector Buttons: NORMAL/HIGH
34. Record Pause Button: ●■■
35. Headphone Socket
36. (TAPE2) Reverse Play Button: ◀
37. Stop Button: ■
38. Track Down/review/Preset Down Button: ◀◀/|◀◀
39. Track Up/Cue Preset Up button: ▶▶/▶▶|
40. Play/Repeat Button: ▶▶⇄
41. (TAPE1) cassette Compartment
42. (TAPE2) cassette Compartment



CD-C880X

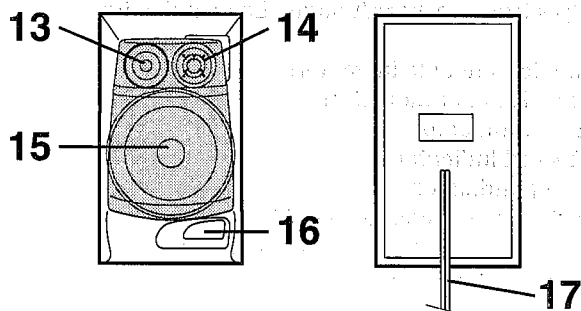
■ Rear panel

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



■ Speaker section

13. Tweeter
14. Super Tweeter
15. Woofer
16. Bass Reflex Duct
17. Speaker Wire



■ Remote control

1. Remote Control Transmitter LED

● CD control section

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

● Tuner control section

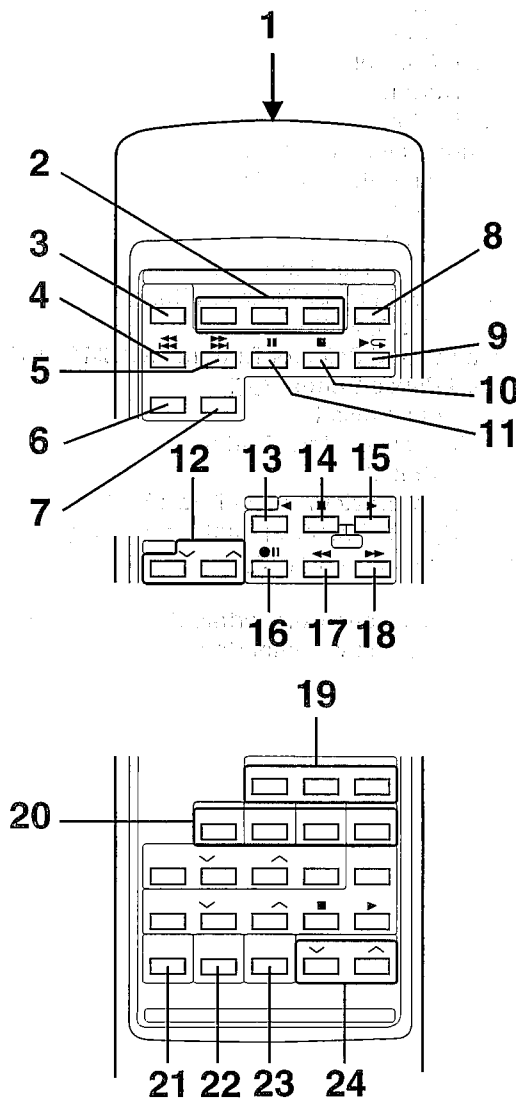
12. Preset Up/Down Buttons: ∨/∧

● Tape control section

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

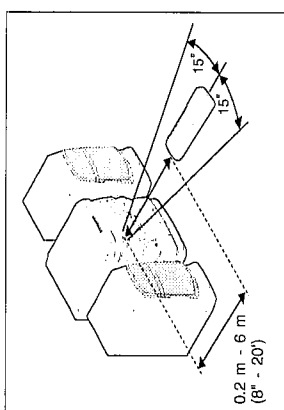
● Common section

19. 3D Surround Mode Buttons: PASS/MONO/STEREO
20. Function Selector buttons
21. Power Button
22. Extra Bass Button: X-BASS
23. Equalizer Mode Button
24. Volume Up/Down Buttons: ∨/∧



OPERATION MANUAL

PREPARATION FOR USE



Notes concerning use:

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

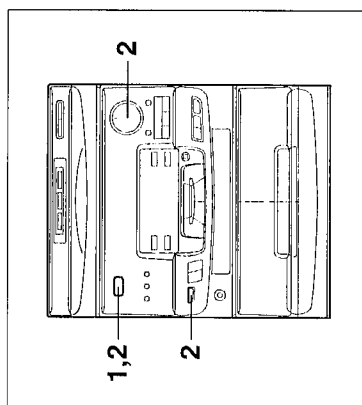
RESETTING THE MICROCOMPUTER

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

- To erase all of the stored memory contents, or
- If the display does not function properly, or
- The unit does not operate properly.

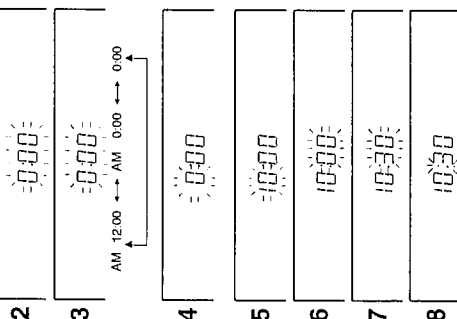
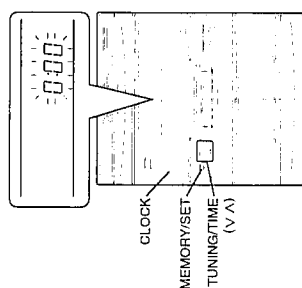
1 Set the POWER switch to STAND-BY.

2 Press the POWER switch whilst holding the VOLUME control in the UP position and whilst pressing the MEMORY/SET button.



SETTING THE CLOCK

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



1 Set the POWER switch to STAND-BY.

2 Press the CLOCK button.

3 Within 5 seconds, press the TUNING/TIME (V or A) button to select the time display.

"0:00" → The 24-hour display will appear.

"AM 12:00" → The 12-hour display will appear.

"AM 0:00" → The 12-hour display will appear.

(AM or PM 0:00 - 11:59)

4 Within 3 seconds, press the MEMORY/SET button.

5 Press the TUNING/TIME (V or A) 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".

6 Press the MEMORY/SET button.

7 Press the TUNING/TIME (V or A) 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".

8 Press the MEMORY/SET button.

● The clock starts operating from "0" seconds. (Seconds are not displayed.)

Note:

● In the event of a power failure or when the AC power lead is disconnected, the clock display will go out.

When the AC power supply is resumed, the clock display will flash on and off to indicate that the time must be reset.

If this happens, follow steps 2 and 5 - 8 in the procedure described above.

To change the clock time:

1 When the POWER switch is set to STAND-BY.

● Press the CLOCK button.

● Perform steps 5 - 8 above.

2 When the POWER switch is set to ON.

● Press the CLOCK button.

● Within 5 seconds, press the MEMORY/SET button.

● Perform steps 5 - 8 above.

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

Press the CLOCK button.

● The time display will appear for about 5 seconds.

To switch the time display mode:

1 Set the POWER switch to STAND-BY.

2 Press the POWER switch whilst holding the VOLUME control in the UP position and whilst pressing the MEMORY/SET button.

3 Perform steps 1 - 8 above.

Note:

● The operation explained above will erase all data stored in memory, such as clock, timer, sleep, and AM/FM, CD presets.

DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

MAIN UNIT

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	6-1
2	Side Panel (Left/Right)	1. Screw (B1) x8	6-1
3	CD Player Unit/ CD Tray Cover	1. Turn on the power supply, open the disc tray, take out the CD tray cover, and close. (Note 1) 2. Hook (C1) x3 3. Hook (C2) x2 4. Socket (C3) x4	6-2
4	Back Board	1. Screw (D1) x11	6-2
5	Main PWB/ Tuner PWB	1. Screw (E1) x5 2. Socket (E2) x5 3. Flat Cable (E3) x3	6-3
6	Front Panel/ Headphones PWB	1. Screw (F1) x3	6-3
7	Display PWB/ Switch PWB	1. Screw (G1) x15	7-1
8	Tape Mechanism	1. Open the cassette holder. 2. Screw (H1) x6	7-1
9	Power Amp. PWB	1. Screw (J1) x4	7-2
10	Turntable	1. Screw (K1) x1 2. Cover (K2) x1	7-3
11	Disc Tray	1. Screw (L1) x4 2. Guide A (L2) x2 3. Guide B (L3) x2	7-3
12	CD Changer Mechanism	1. Screw (M1) x4	7-4
13	CD Mechanism	1. Screw (N1) x1	7-4
14	Sensor PWB	1. Screw (P1) x1 2. Socket (P2) x1	7-4

Note 1: If the power supply cannot be turned on, <A> turn the gear by hand as shown in Figure 6-2 to open the disc tray.

SPEAKER BOX

STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Net (A1) x1 2. Front Panel (A2) x1 3. Screw (A3) x8	7-5 7-6

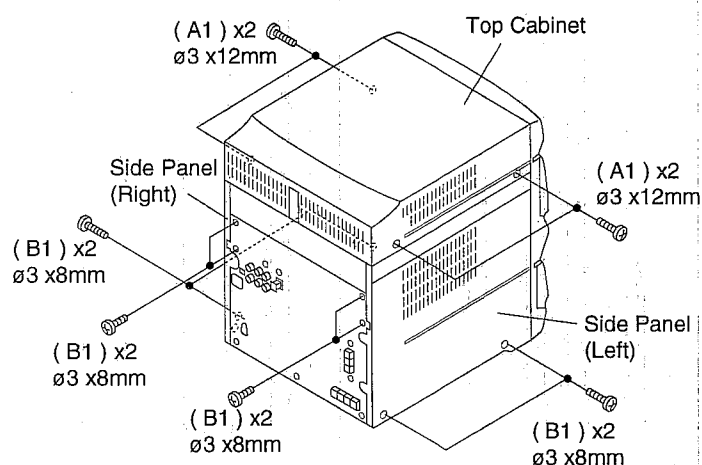


Figure 6-1

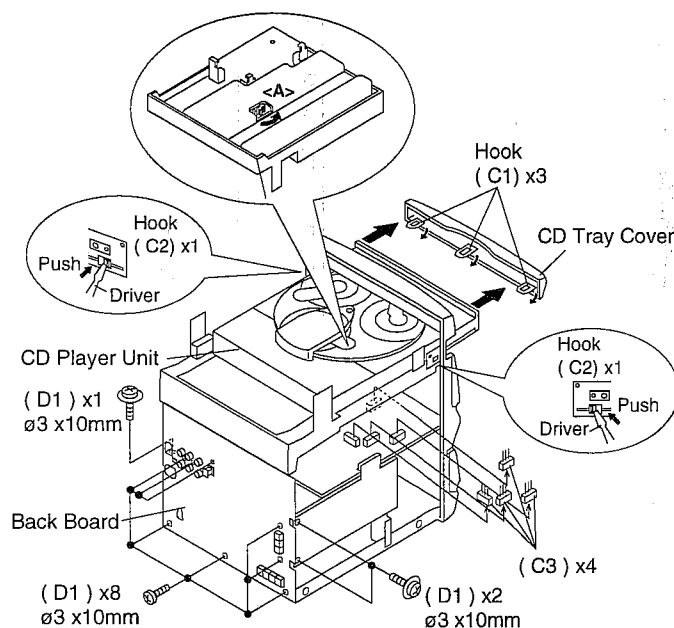


Figure 6-2

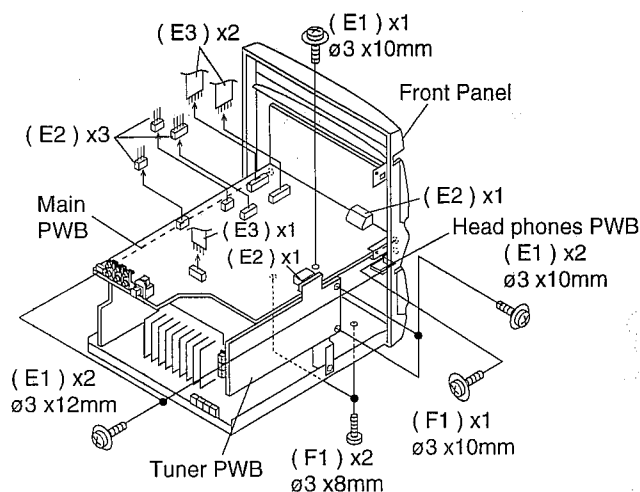


Figure 6-3

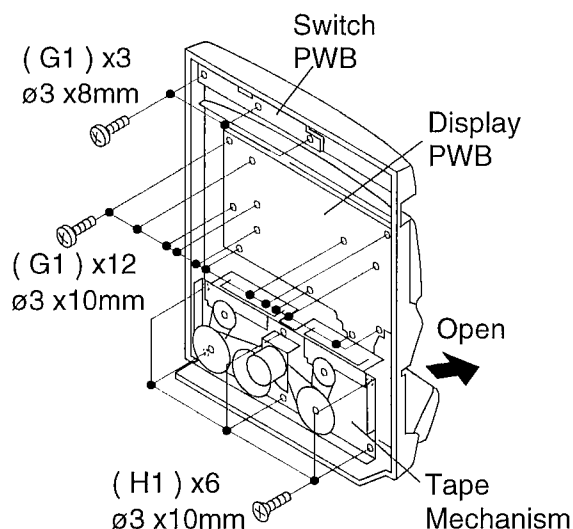


Figure 7-1

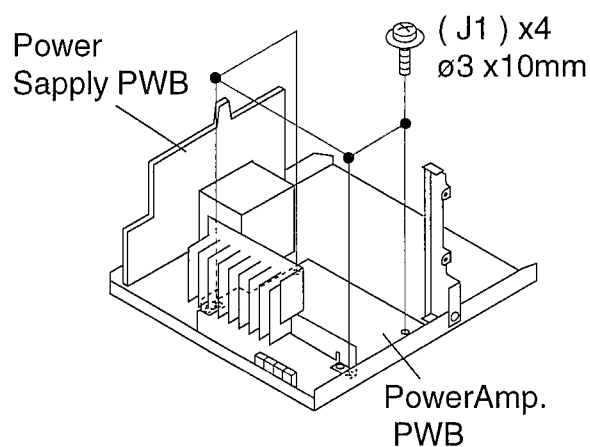


Figure 7-2

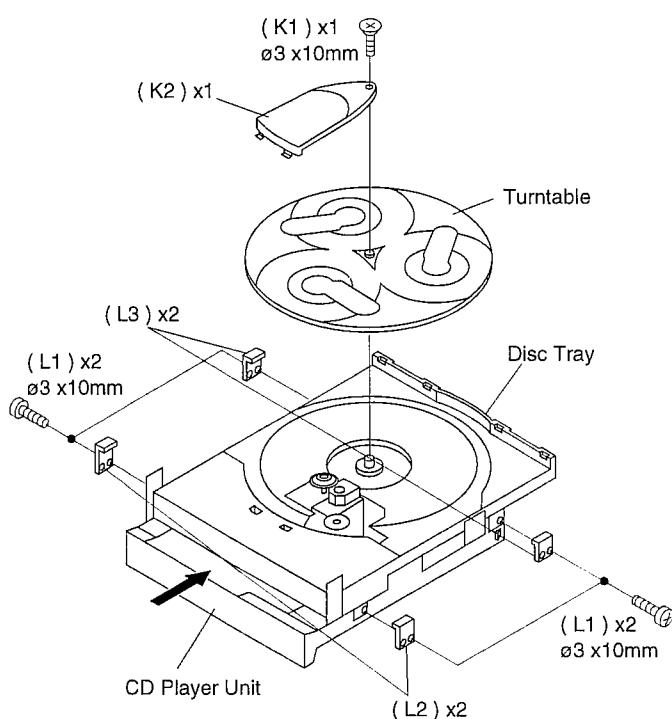
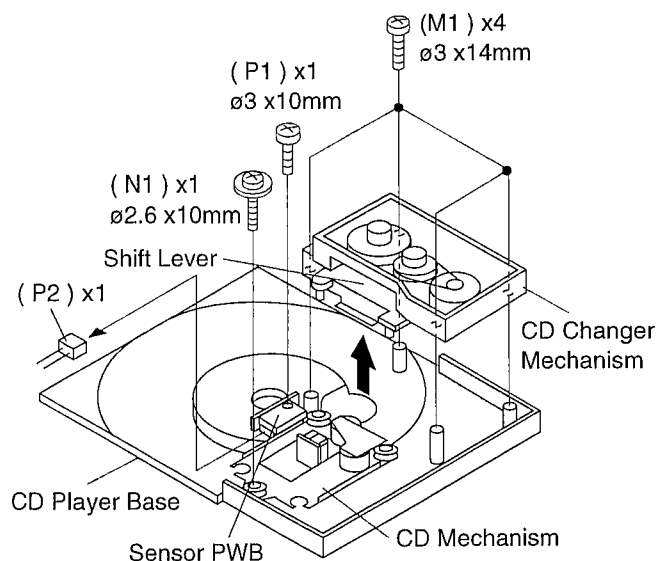


Figure 7-3



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

Figure 7-4

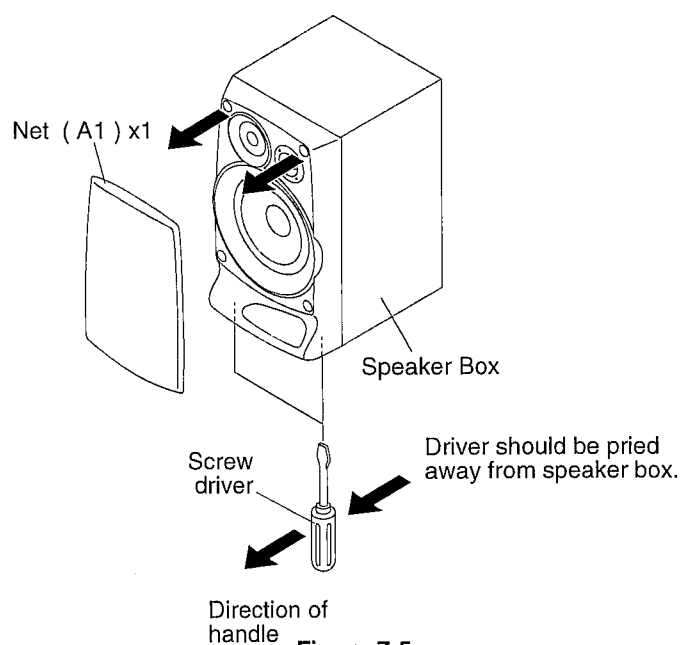
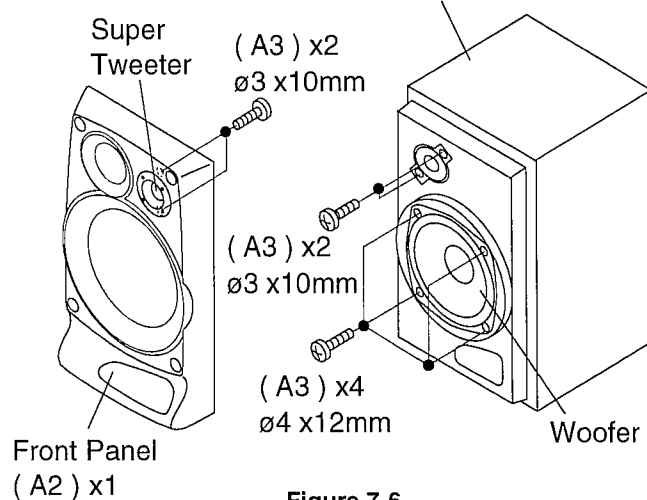
Figure 7-5
Speaker Box

Figure 7-6

REMOVING AND REINSTALLING THE MAIN PARTS

CD MECHANISM SECTION

Perform steps 1, 2, 3, 10, 11 and 12 of the disassembly method to remove the CD mechanism.

How to remove the loading motor

(See Fig. 8-1)

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

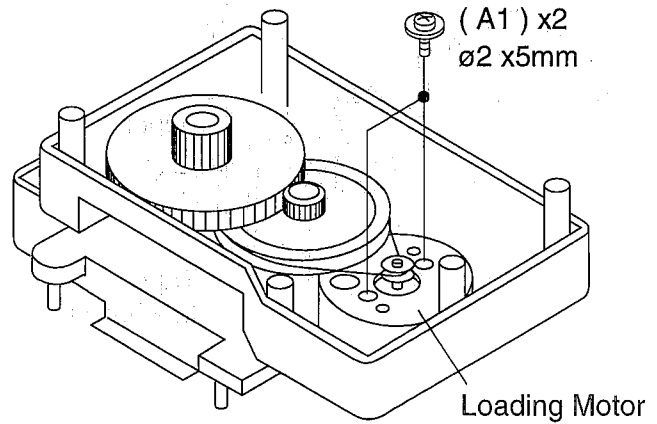


Figure 8-1

How to remove the turntable up/down motor

(See Fig. 8-2)

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

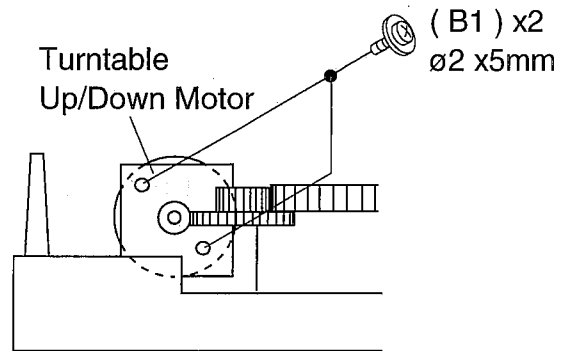


Figure 8-2

How to remove the pickup (See Fig. 8-3)

1. Remove the screws (C1) x 2 pcs., to remove the shaft (C2) x1pc..
2. Remove the stop washer (C3) x 1 pc., to remove the gear (C4) x1pc..
3. Remove the pickup.

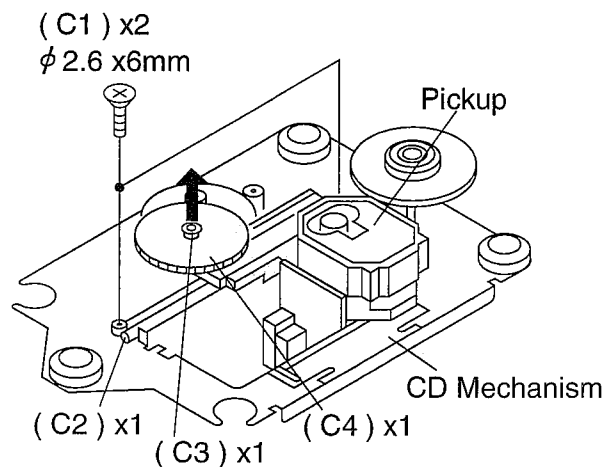


Figure 8-3

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	60 to 120 g.cm
Rewind: TW-2231	60 to 120 g.cm	60 to 120 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	VRM01	3,000 ± 30 Hz	Speaker terminal (Load resistance: 6 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	1,602 kHz	T351	*1
Band Coverage	—	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
Tracking	990 kHz	990 kHz	T302	*1

*1. Input: Antenna, Output: TP302

*2. Input: Antenna, Output: TP301

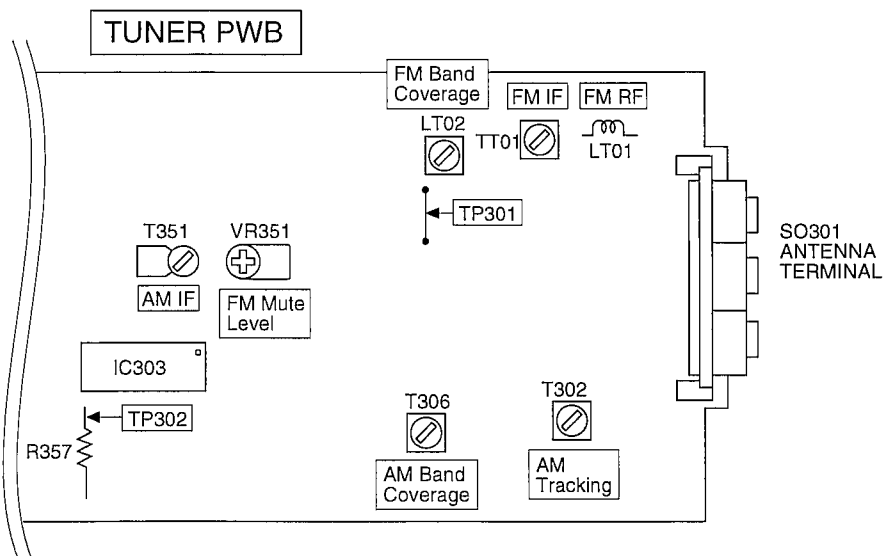
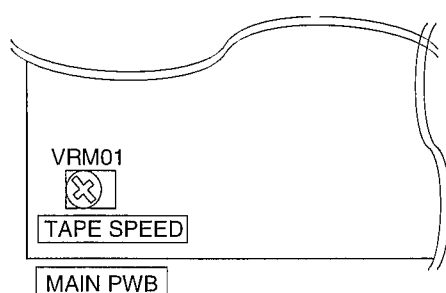


Figure 9 ADJUSTMENT POINTS

• FM RF

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

Test Stage	Frequency	Frequency Display	Setting/Adjusting Parts	Instrument Connection
Band Coverage	—	87.5 MHz	(fL): LT02 3.7 ± 0.1 V	*2
RF	98.00 MHz (10-30 dB)	98.00 MHz	LT01	*1

*1. Input: Antenna, Output: TP301

*2. Input: Antenna, Output: Speaker Terminal

• Setting the Test Mode

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

Preset No.	FM	Preset No.	AM
1	87.50 MHz	6	531 kHz
2	108.00 MHz	7	1,602 kHz
3	90.00 MHz	8	603 kHz
4	106.00 MHz	9	1,404 kHz
5	98.00 MHz	10	990 kHz
11 ~ 40	—		

• Detection

Signal generator: 10.7 MHz, FM sweep generator

Test Stage	Frequency	Frequency Display	Adjusting Parts	Instrument Connection
IF	10.7 MHz	98.00 MHz	TT01 the core of transformer TT01 fully counter-clockwise)	Input: Antenna Output: TP301

• FM Mute Level

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

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

*1. Adjust so that an output signal appears.

CD-C880X

TEST MODE

• Setting the test mode

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

Hold down the MEMORY SET and CD buttons, and press the POWER switch. TEST: CD operation test

• TEST mode

Function — CD test mode

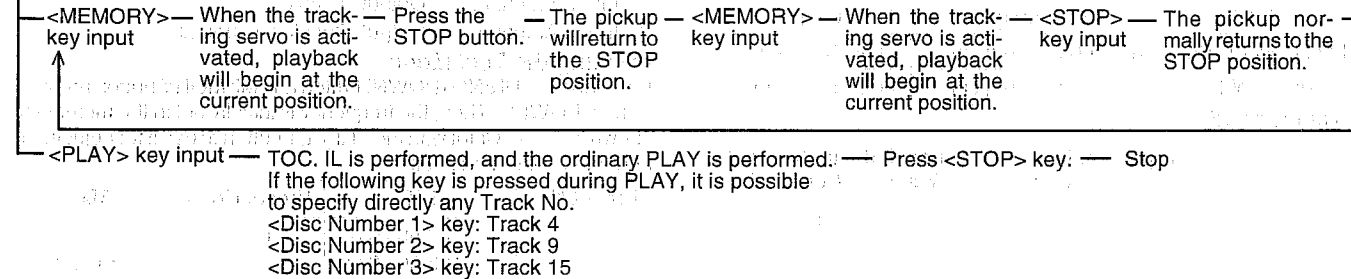
Setting of TEST mode

Indication of CD TEST mode (Fig. 10-1)

OPEN/CLOSE operation is manual operation.

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

IL is not performed.



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

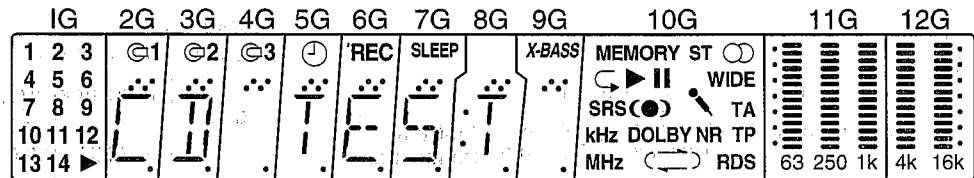


Figure 10-1

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. 10-2)
2. Tracking offset (Fig. 10-3)
3. E/F balance (tracking error balance) (Fig. 10-4)
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.

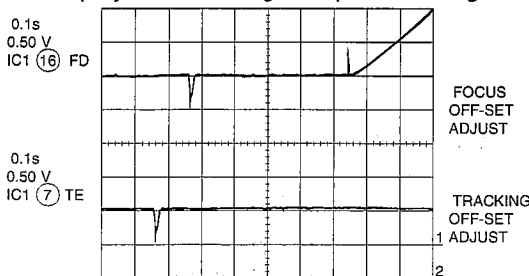


Figure 10-2

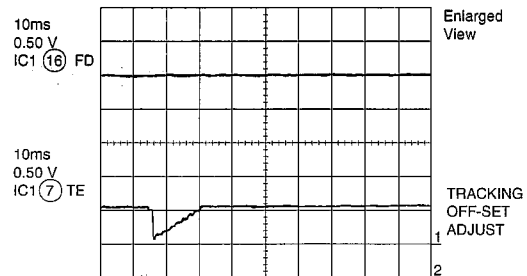


Figure 10-3

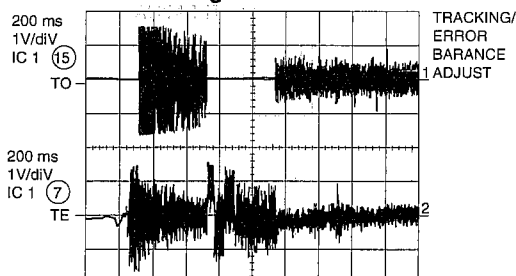


Figure 10-4

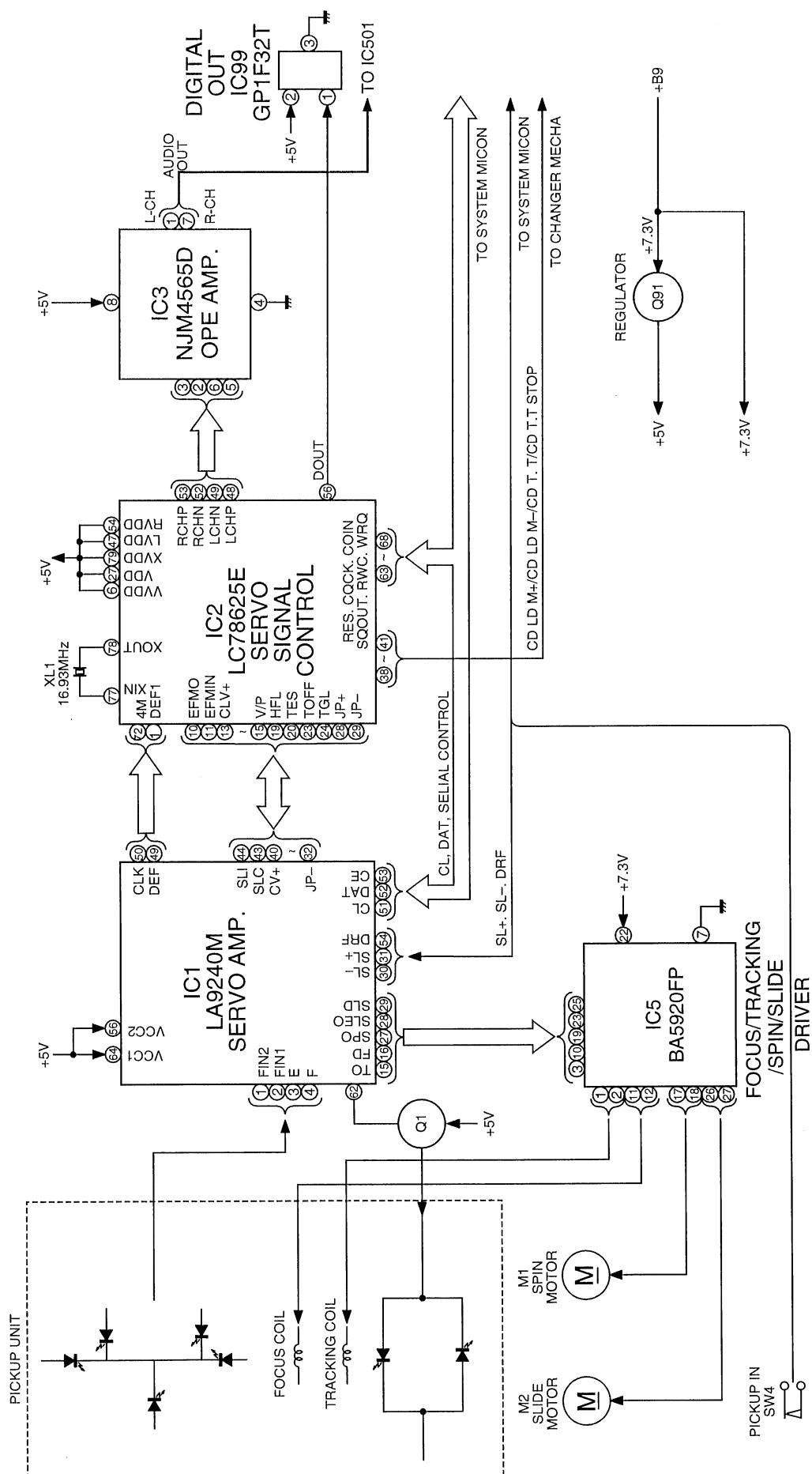


Figure 11 BLOCK DIAGRAM (1/3)

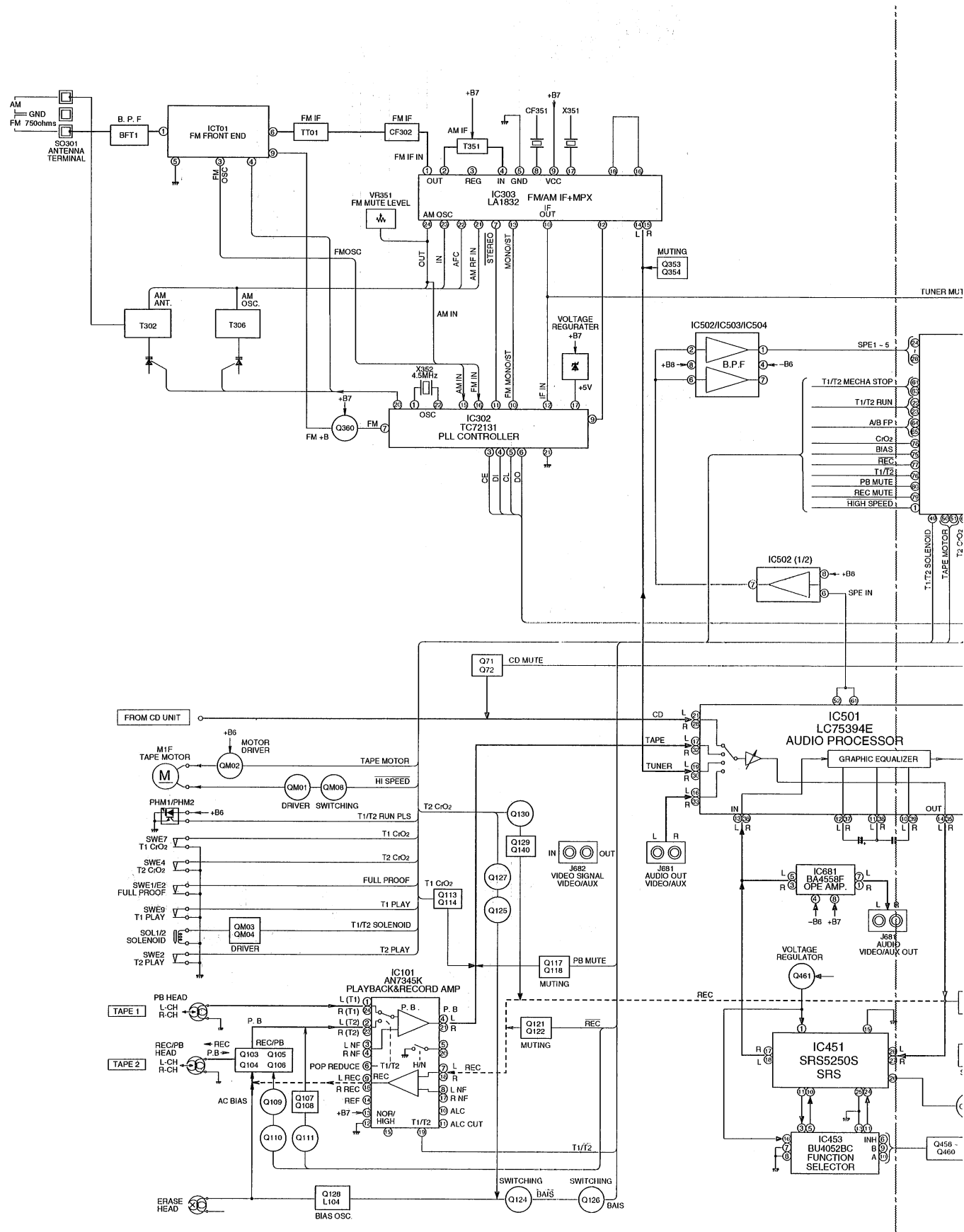


Figure 12 BLOCK DIAGRAM (2/3)

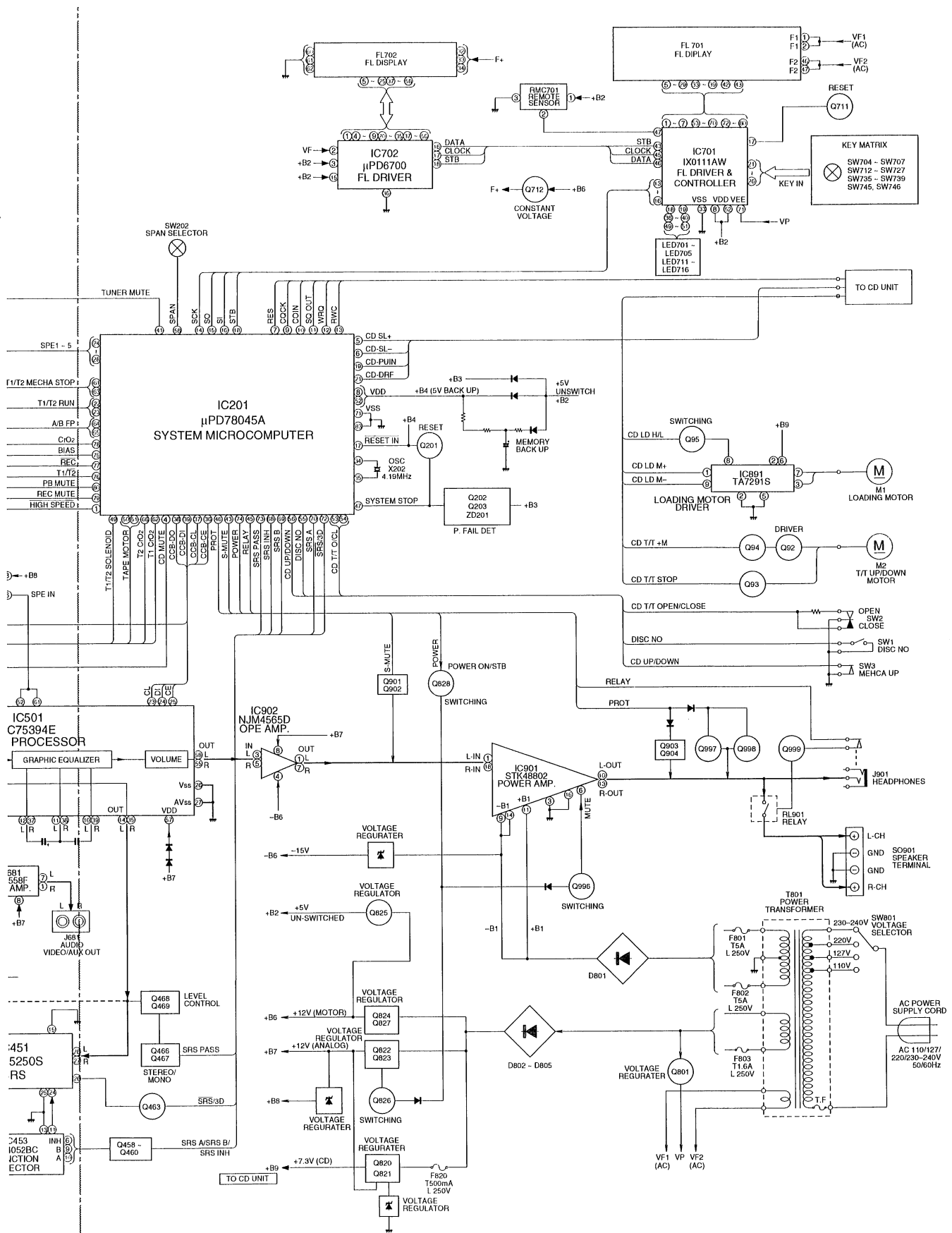


Figure 13 BLOCK DIAGRAM (3/3)

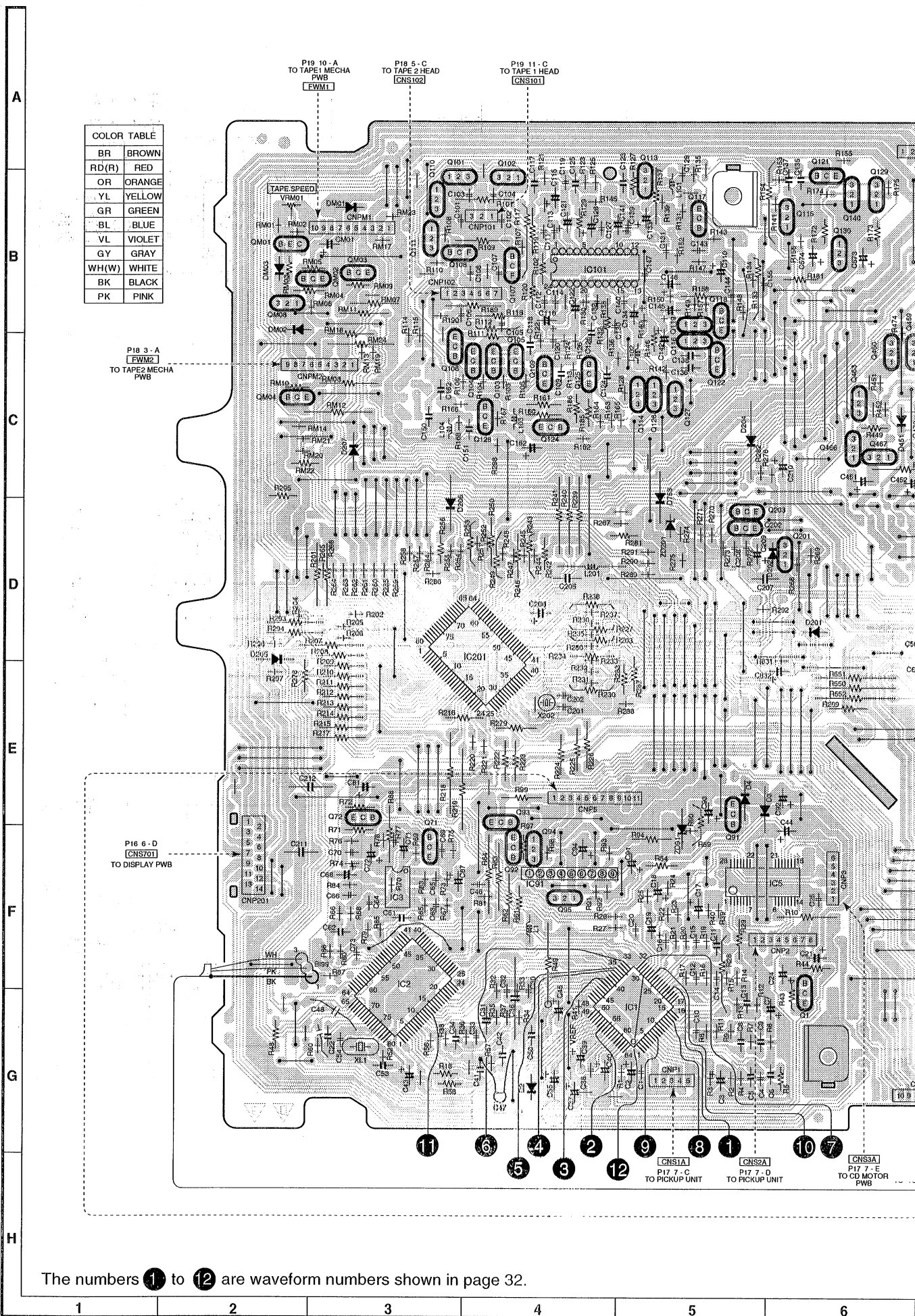


Figure 13 WIRING OF P.W.BOARD (1/6)

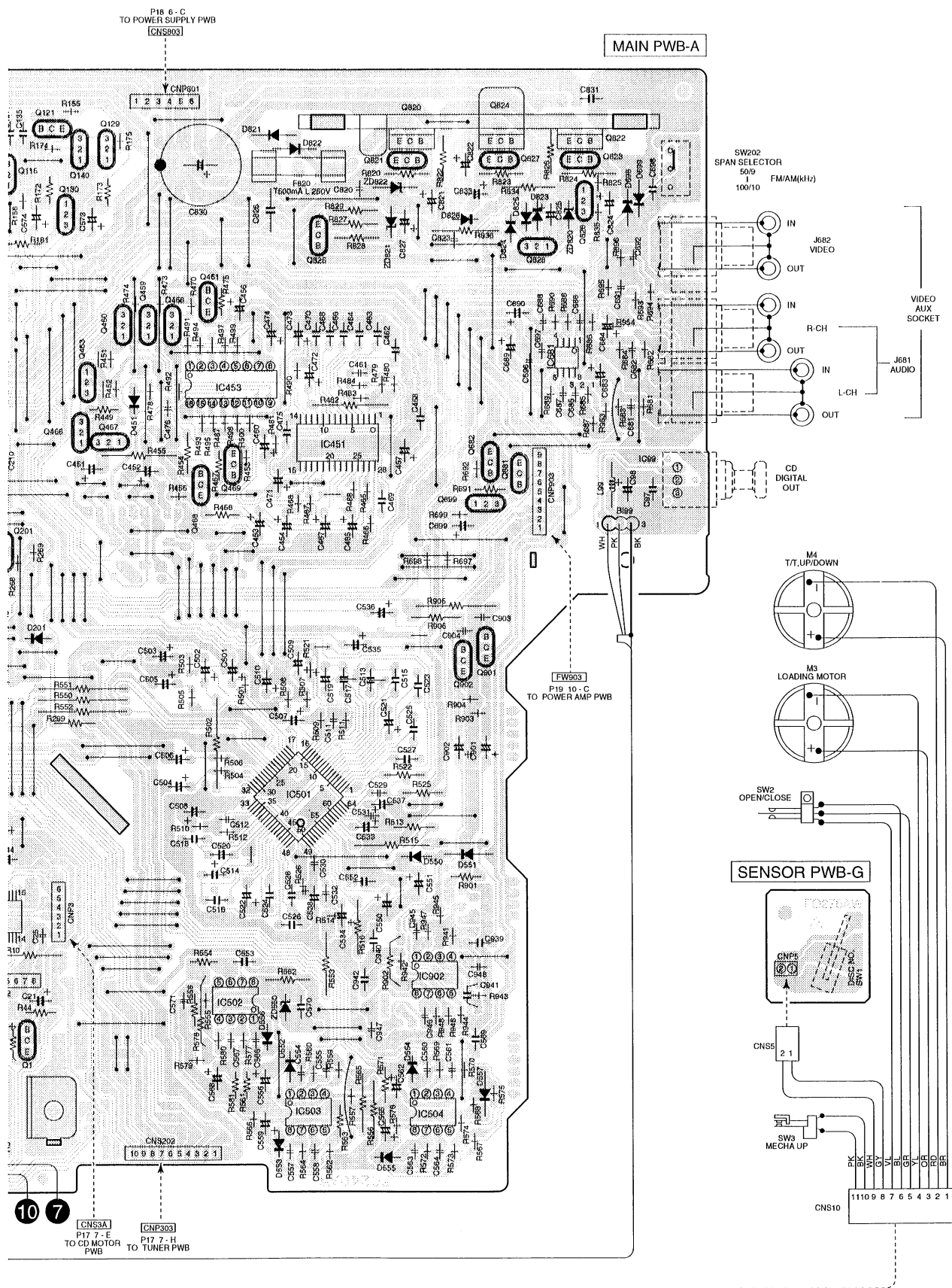
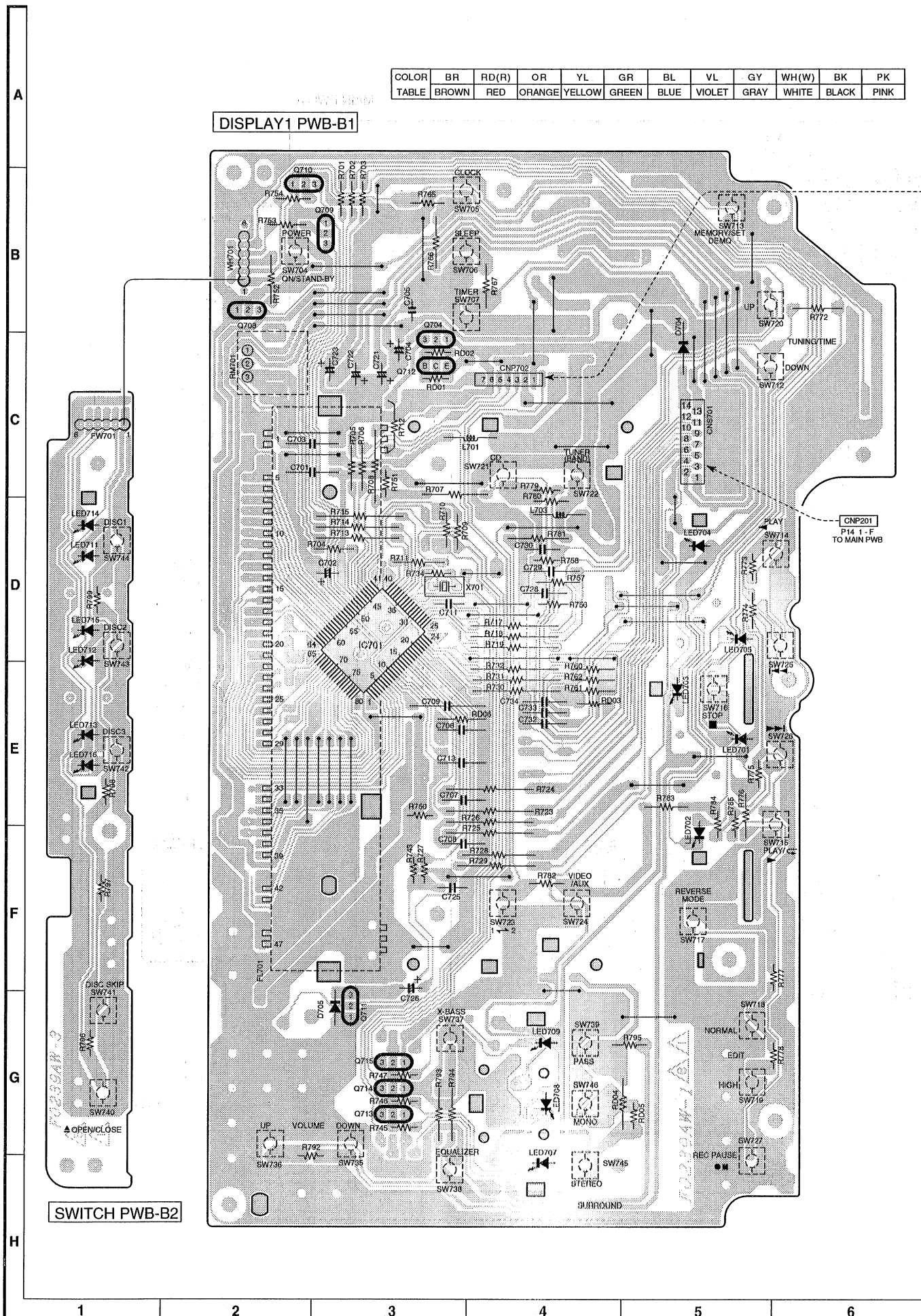


Figure 15 WIRING OF P.W.BOARD (2/6)



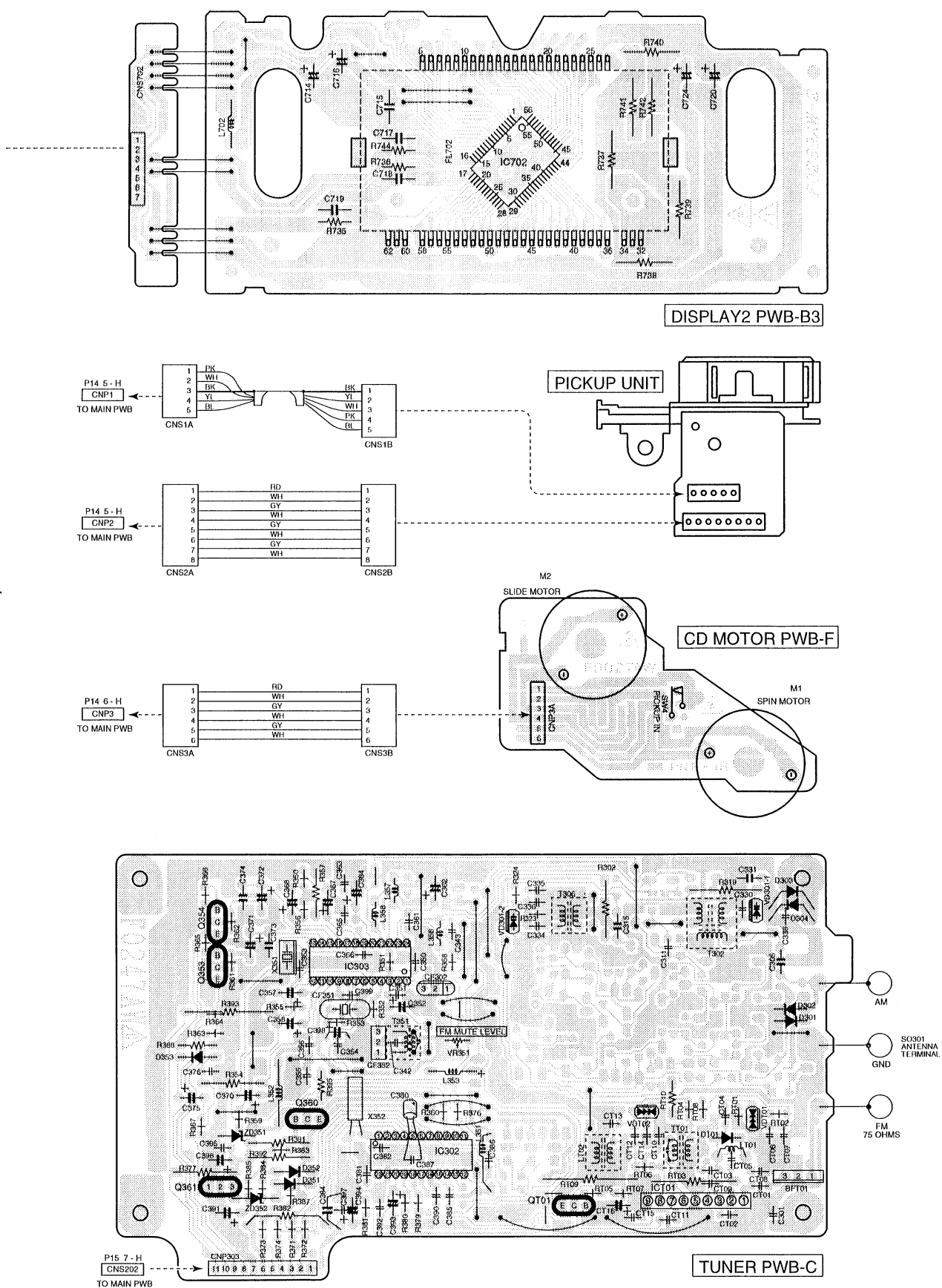
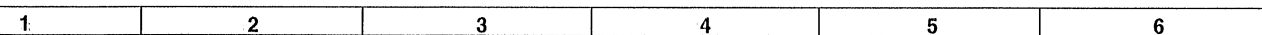


Figure 17 WIRING OF P.W. BOARD (4/6)



- 18 -

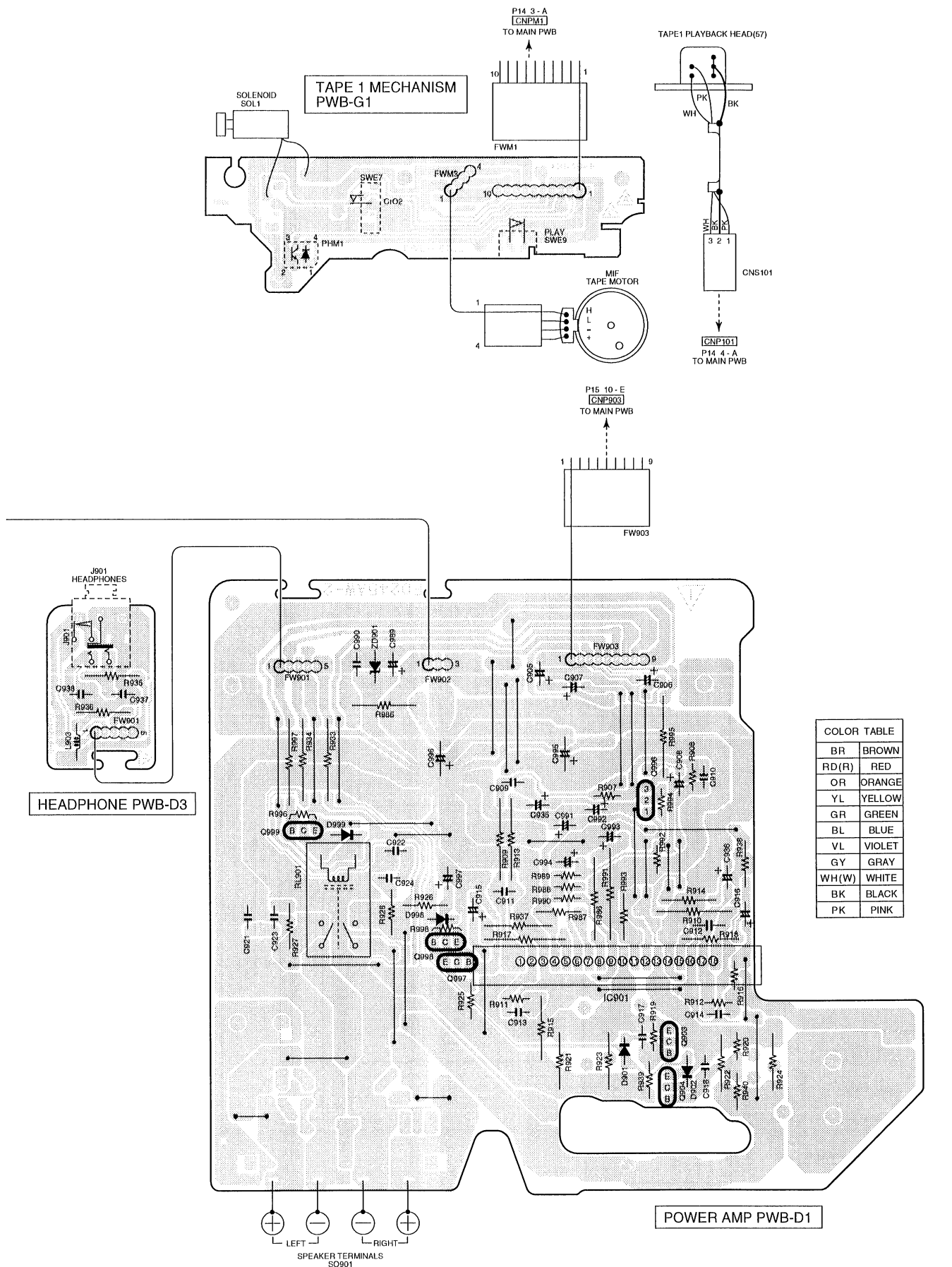


Figure 19 WIRING OF P.W.BOARD (6/6)

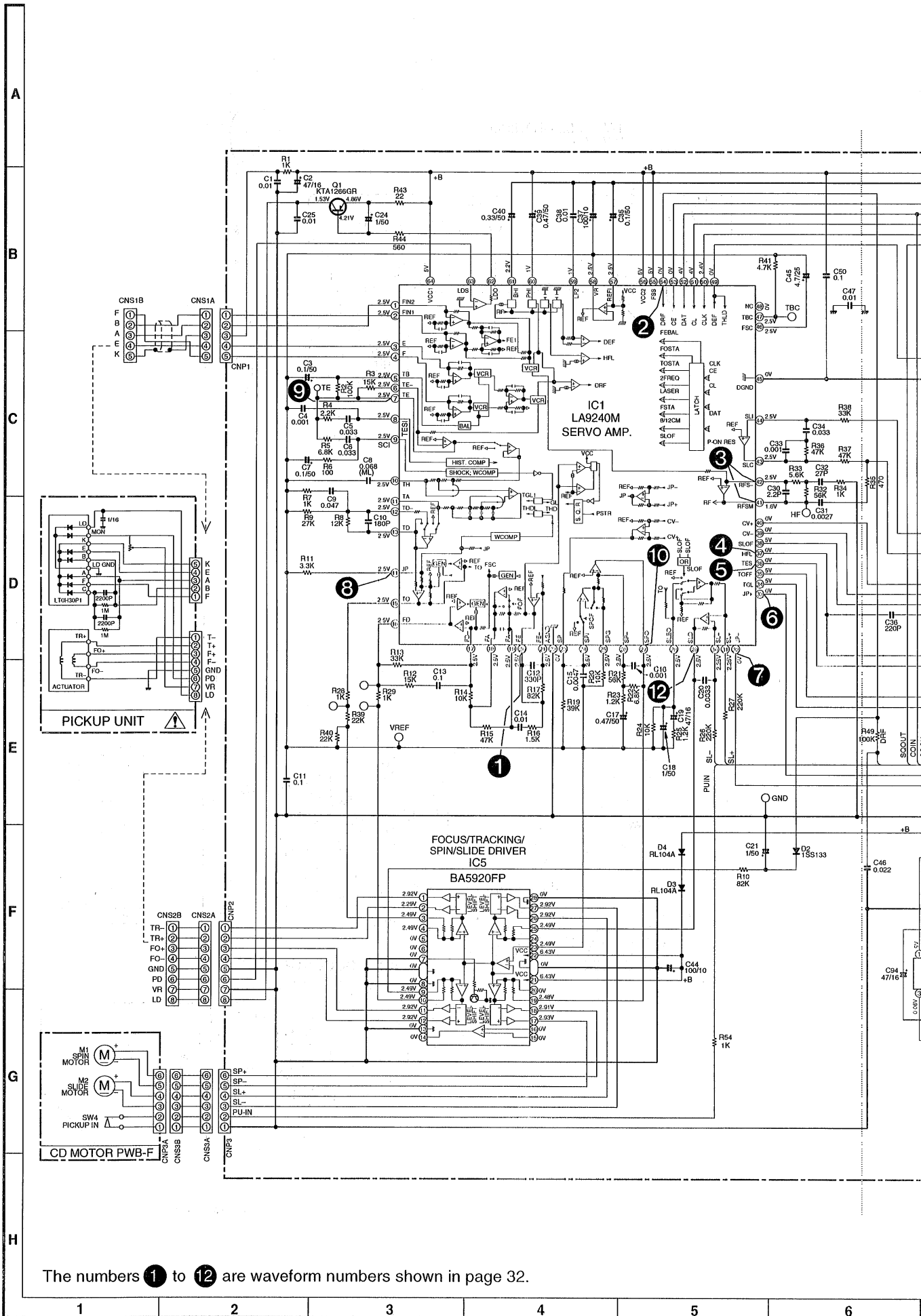
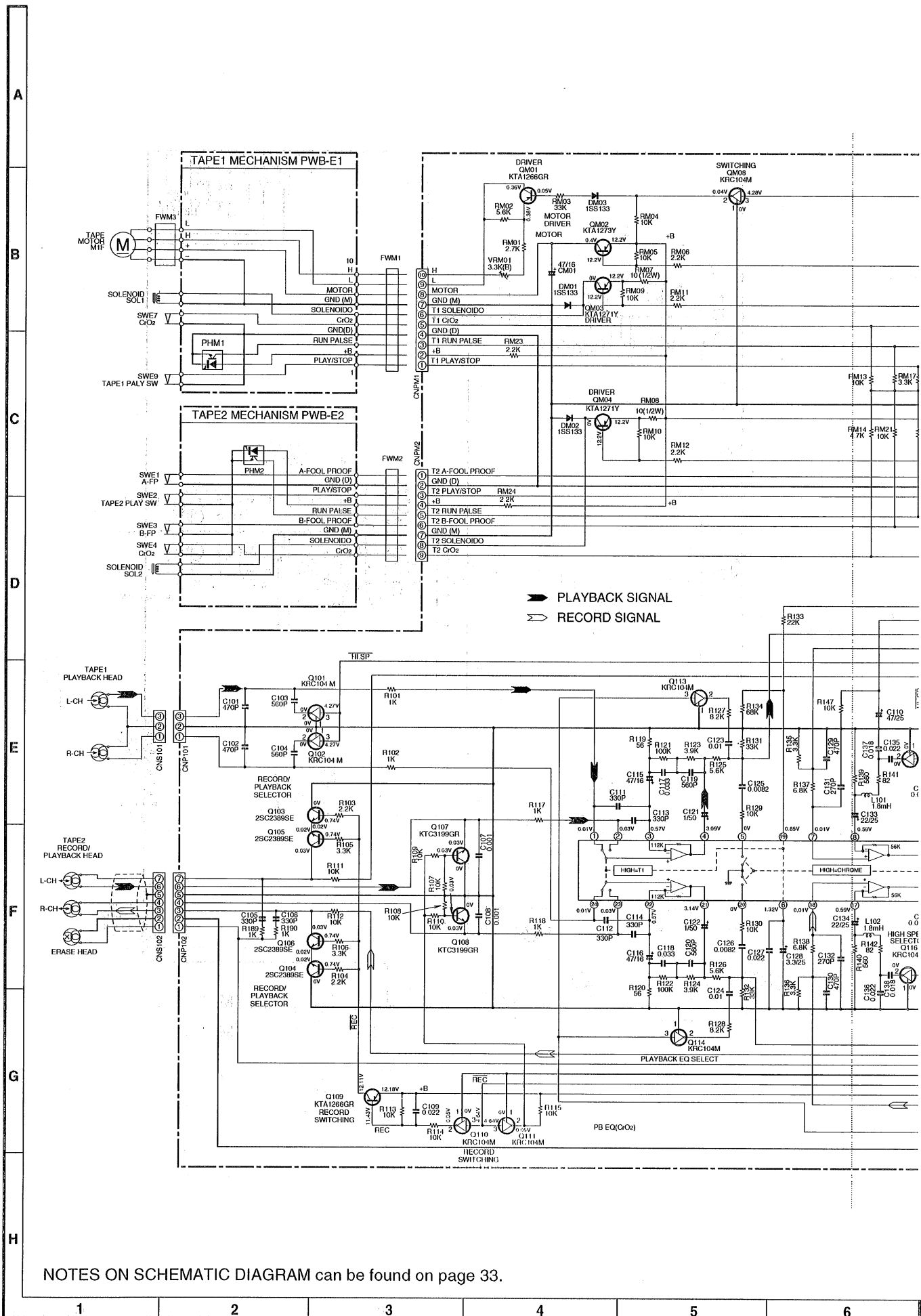
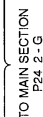


Figure 20 SCHEMATIC DIAGRAM (1/12)



- 21 -





- 23 -

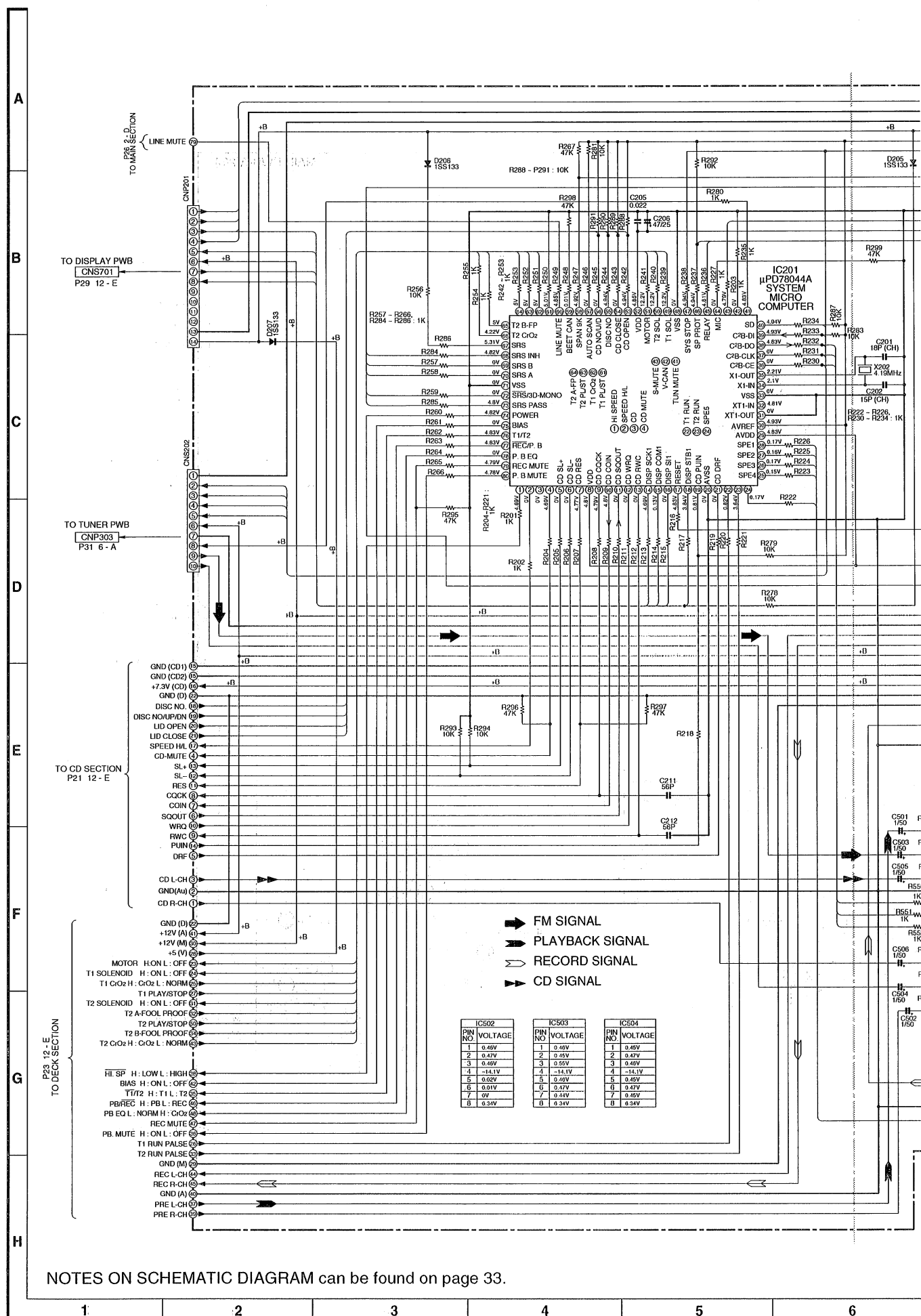
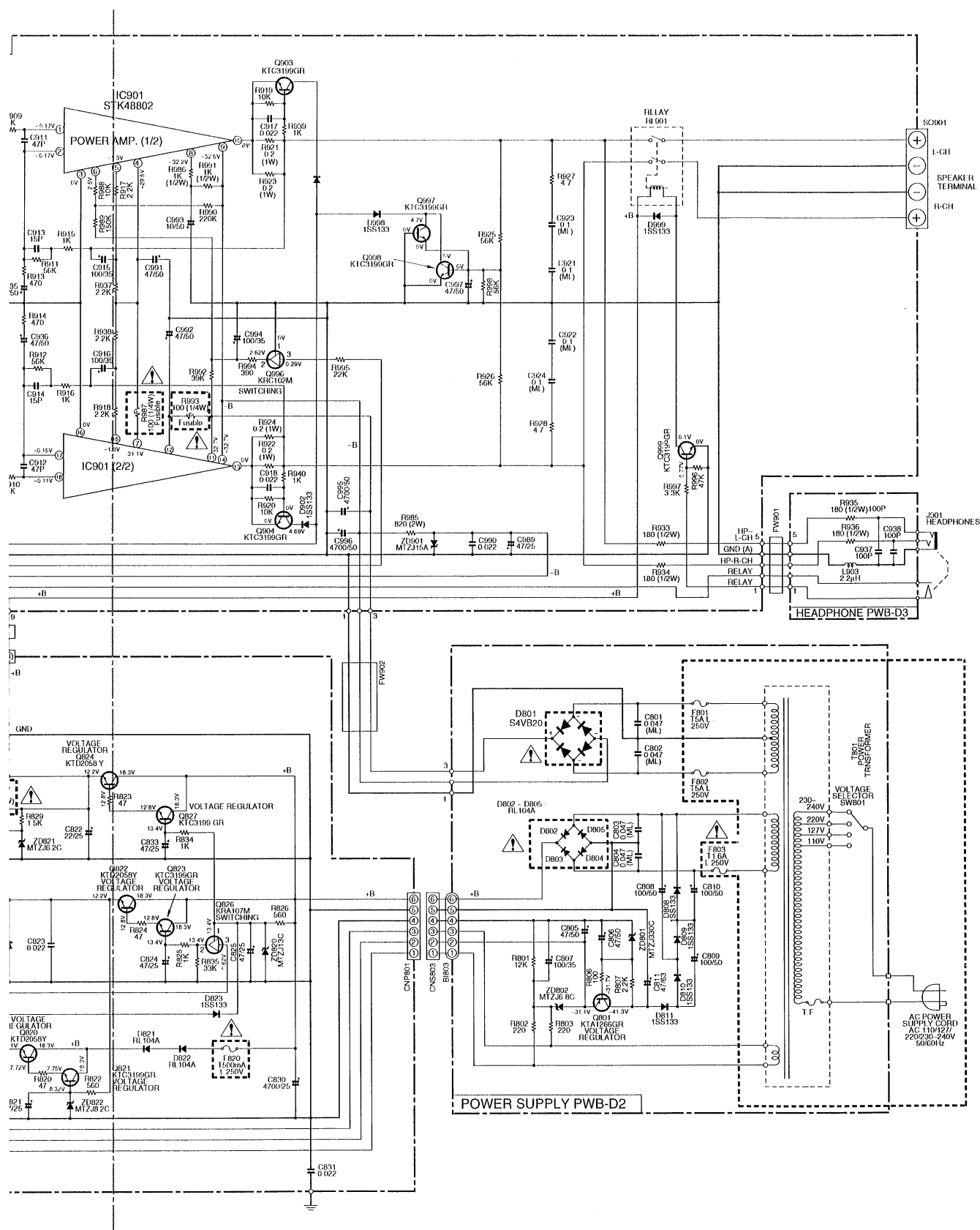


Figure 24 SCHEMATIC DIAGRAM (5/12)

7	8	9	10	11	12
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- 26 -





- 28 -

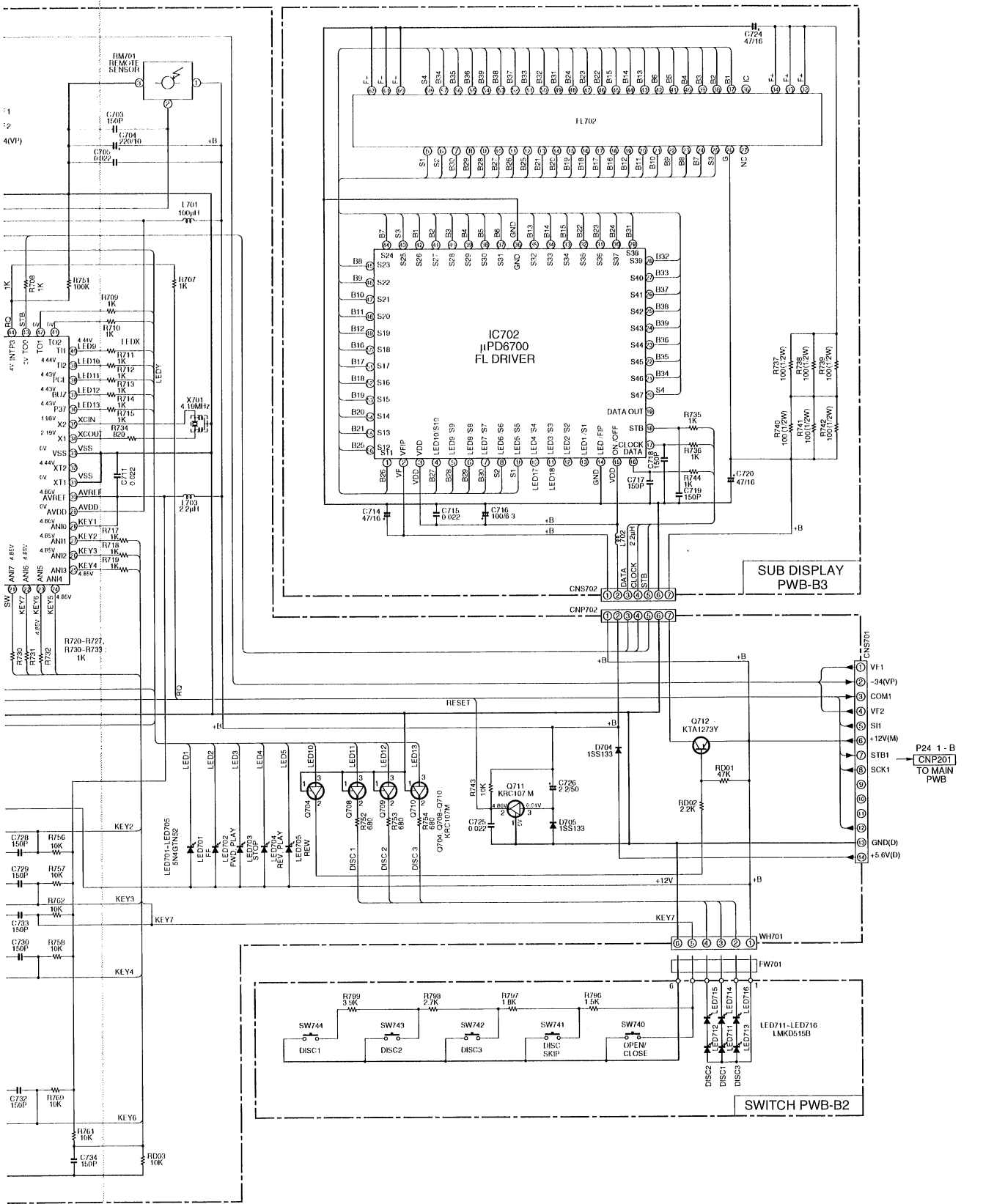
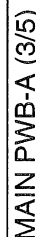


Figure 29 SCHEMATIC DIAGRAM (10/12)



C

- 30 -

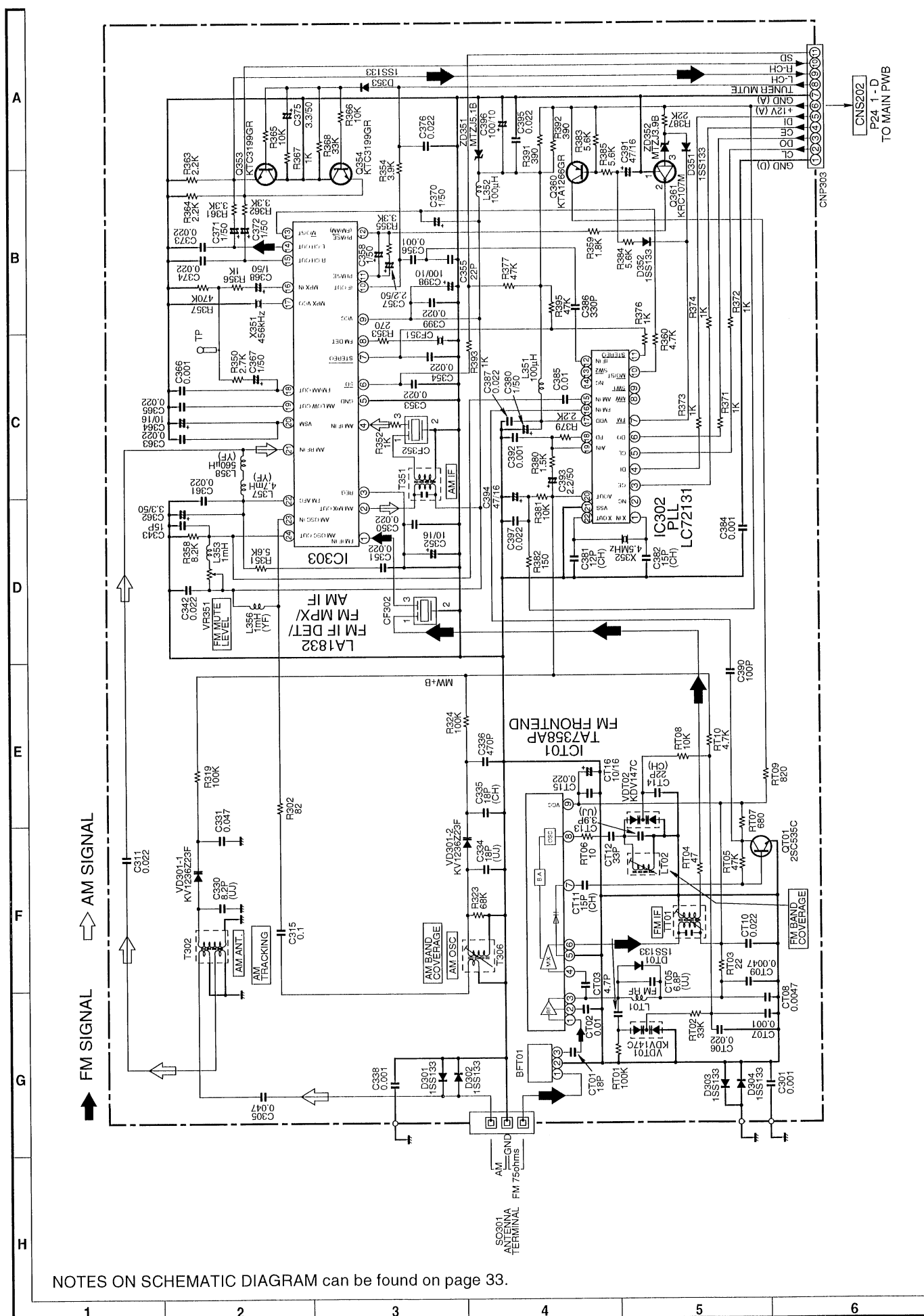
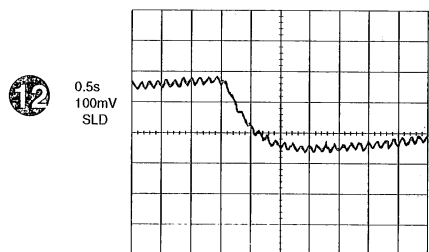
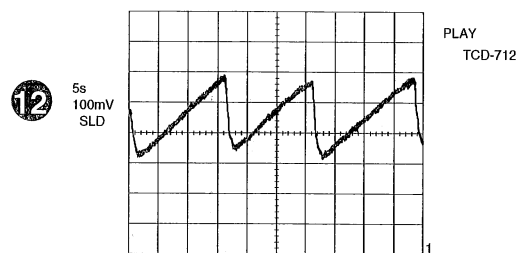
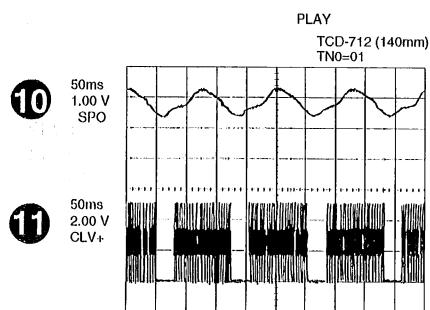
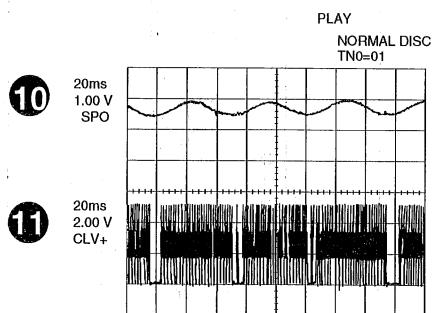
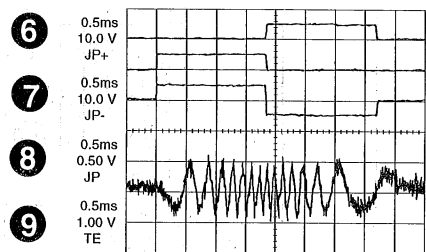
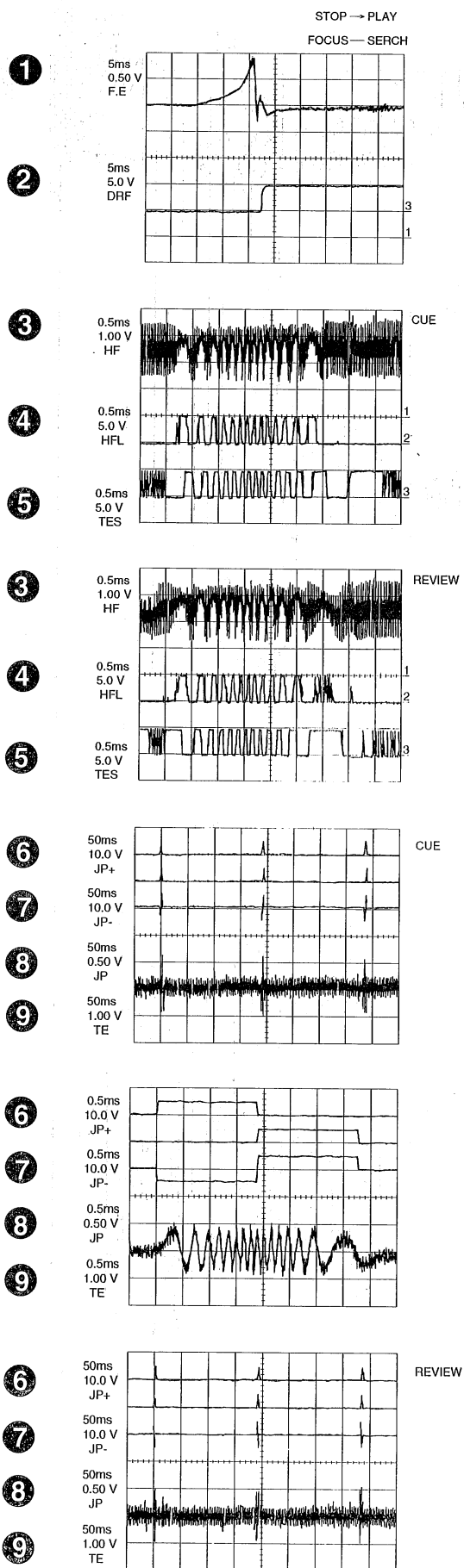


Figure 31 SCHEMATIC DIAGRAM (12/12)

WAVEFORMS OF CD CIRCUIT



NOTES ON SCHEMATIC DIAGRAM

- Resistor:
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.
- Capacitor:
To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
(CH), (TH), (RH), (UJ): Temperature compensation
(ML): Mylar type
(P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
 1. In the tuner section,
() indicates AM
< > indicates FM stereo
 2. In the main section, a tape is being played back.
 3. In the deck section, a tape is being played back.
() indicates the record state.
 4. In the power section, a tape is being played back.
 5. In the CD section, the CD is stopped.
- Parts marked with "△" (□ = □) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW1	DISC NUMBER	ON—OFF
SW2	OPEN/CLOSE	ON—OFF
SW3	MECHA UP	ON—OFF
SW4	PICKUP IN	ON—OFF
SW704	POWER	ON—OFF
SW705	CLOCK	ON—OFF
SW706	SLEEP	ON—OFF
SW707	TIMER	ON—OFF
SW712	TUNING/TIME UP	ON—OFF
SW713	MEMORY/SET	ON—OFF
SW714	CD/TAPE/PTY. TP SELECT REVERSE PLAY	ON—OFF
SW715	CD/TAPE/PTY. TP SELECT PLAY/REPEAT	ON—OFF
SW716	STOP	ON—OFF
SW717	REVERSE MODE	ON—OFF
SW718	EDIT NORMAL	ON—OFF
SW719	EDIT HIGH	ON—OFF
SW720	TUNING/TIME DOWN	ON—OFF
SW721	CD	ON—OFF
SW722	TUNER/BAND	ON—OFF
SW723	TAPE	ON—OFF
SW724	VIDEO/AUX.	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW725	TRACK DOWN/REVIEW/ PRESET DOWN	ON—OFF
SW726	TRACK UP/CUE/PRESET UP	ON—OFF
SW727	REC PAUSE	ON—OFF
SW735	VOLUME UP	ON—OFF
SW736	VOLUME DOWN	ON—OFF
SW737	X-BASS	ON—OFF
SW738	EQUALIZER	ON—OFF
SW739	SRS PASS	ON—OFF
SW740	OPEN/CLOSE	ON—OFF
SW741	DISC SKIP	ON—OFF
SW742	DISC 3	ON—OFF
SW743	DISC 2	ON—OFF
SW744	DISC 1	ON—OFF
SW745	SRS ST	ON—OFF
SW746	3D SURROUND MONO	ON—OFF
SW801	VOLTAGE SELECTOR	230-240—220 —127—110
SWE1	TAPE 2 SIDE A FP	ON—OFF
SWE2	TAPE 2 PLAY	ON—OFF
SWE3	TAPE 2 SIDE B FP	ON—OFF
SWE4	TAPE 2 CrO2 DETECTION	ON—OFF
SWE7	TAPE1 CrO2 DETECTION	ON—OFF
SWE9	TAPE1 PLAY	ON—OFF

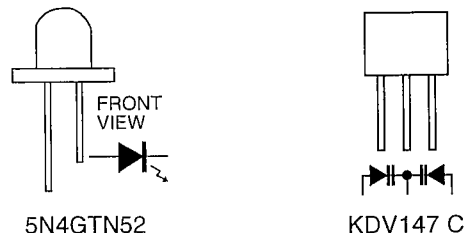
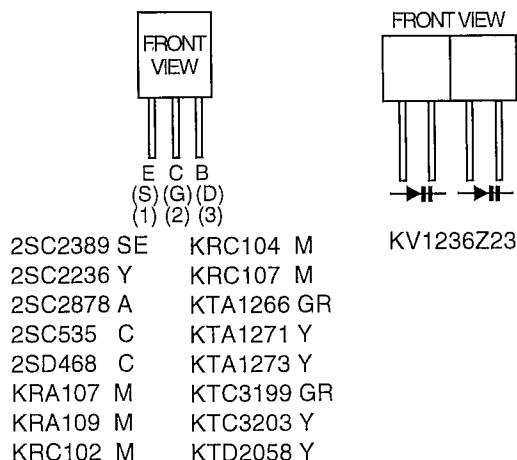


Figure 33 TYPES OF TRANSISTOR AND LED

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.

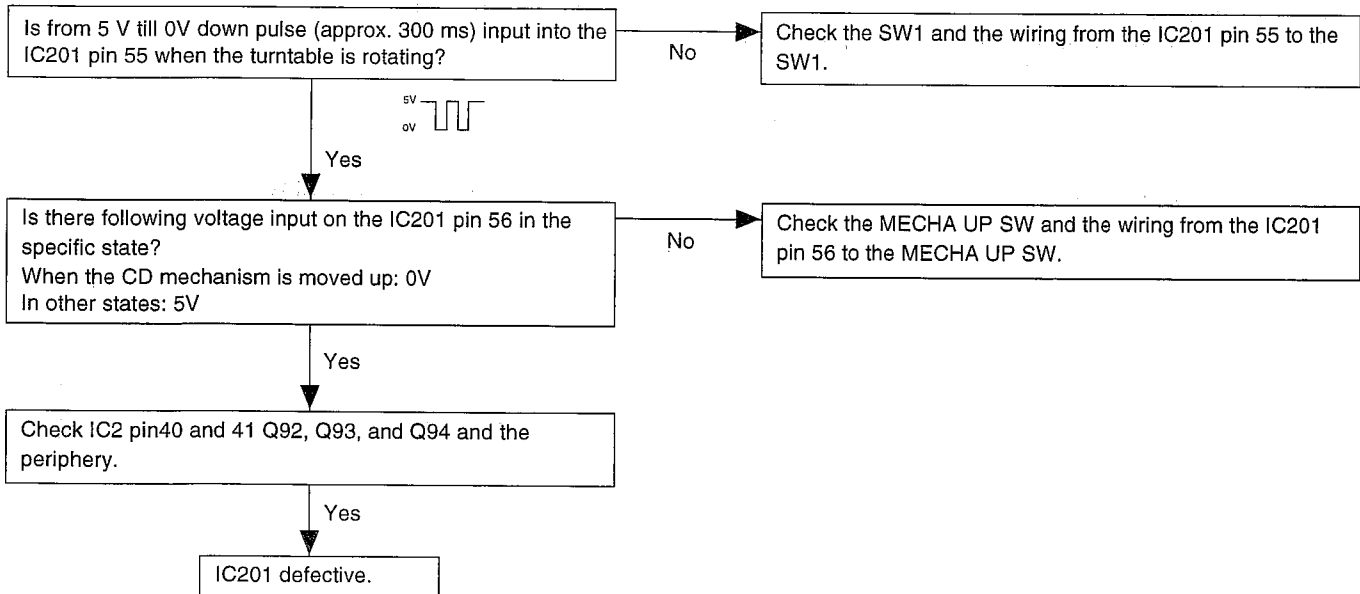
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust or other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

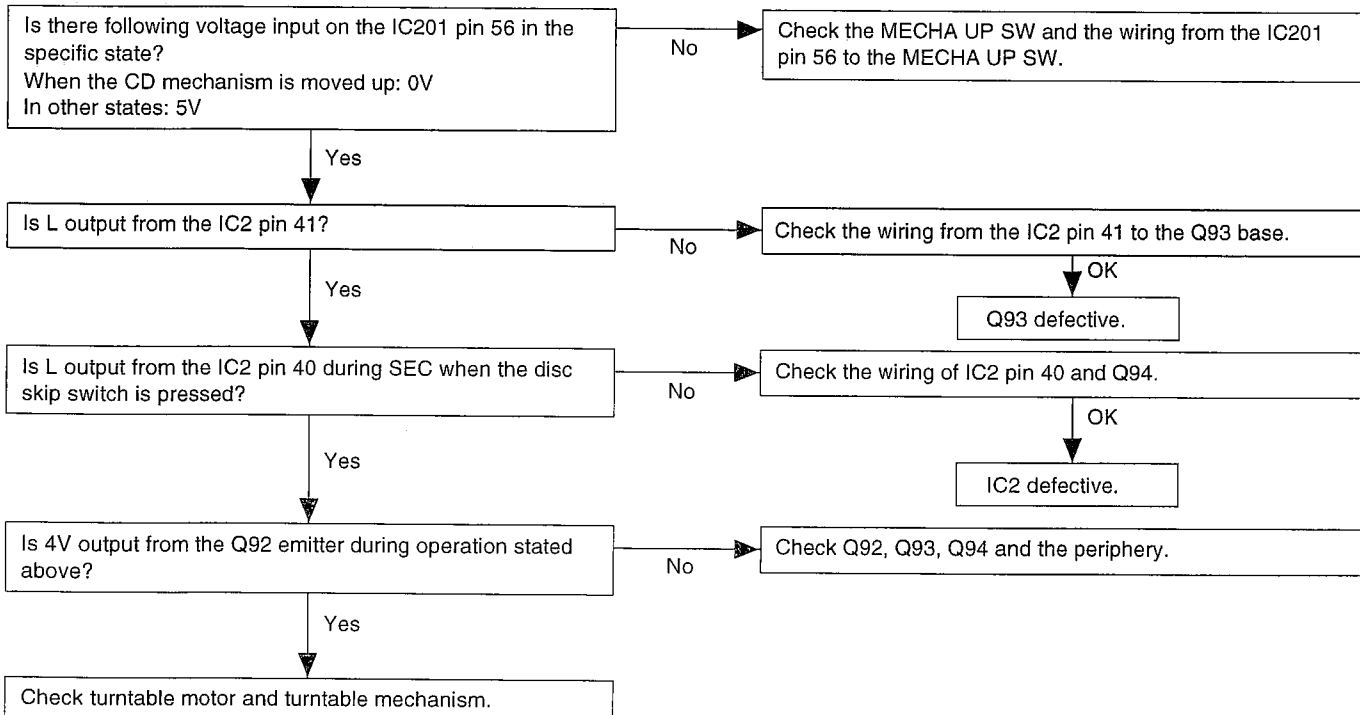
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

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 IC201 pin 53,54?

Open state: Pin 53 0V

Close state: Pin 54 0V

Intermediate state between open state and close state: 5V

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.

Yes

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

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 IC201.

• 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. 35?

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.

No

Check the OPEN CLOSE SW and the wiring from the IC201 pin 53,54 to the OPEN CLOSE SW.

No

Check the wiring of the IC2 pins 38 and 39, IC91 pins 1 and 9.

OK

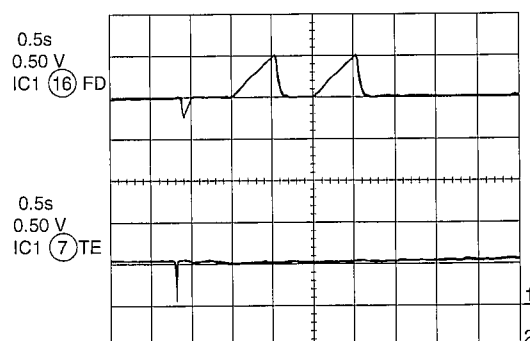
IC2 defective.

No

Check the periphery of IC91.

OK

IC91 defective.

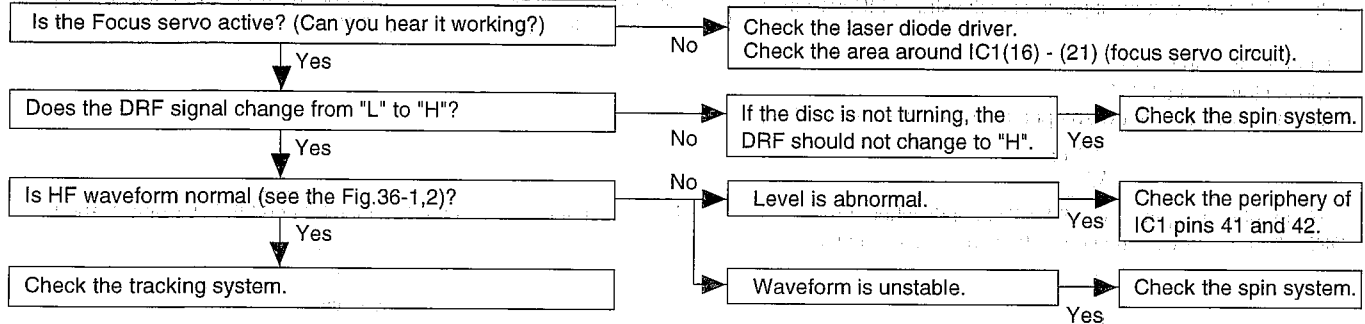


Focus search is performed two times when play operation is done without disc.

Figure 35

CD-C880X

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



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

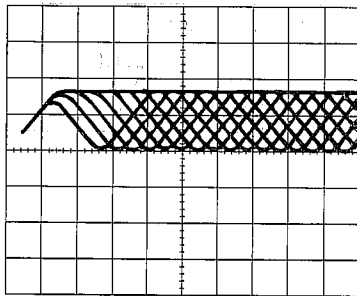
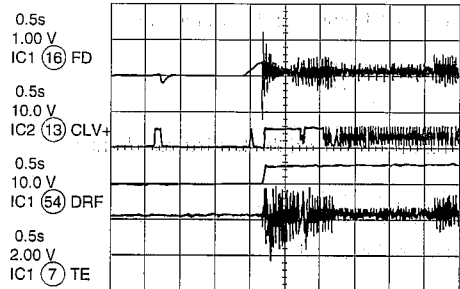


Figure 36-1



Waveform in
case of
normal play-
back

Figure 36-2

• Check the tracking system.

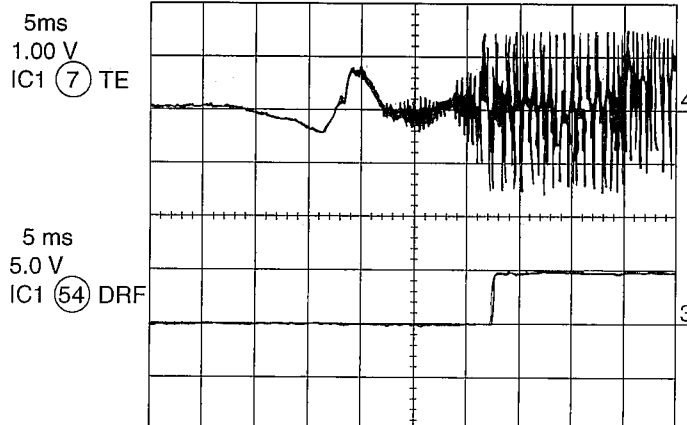
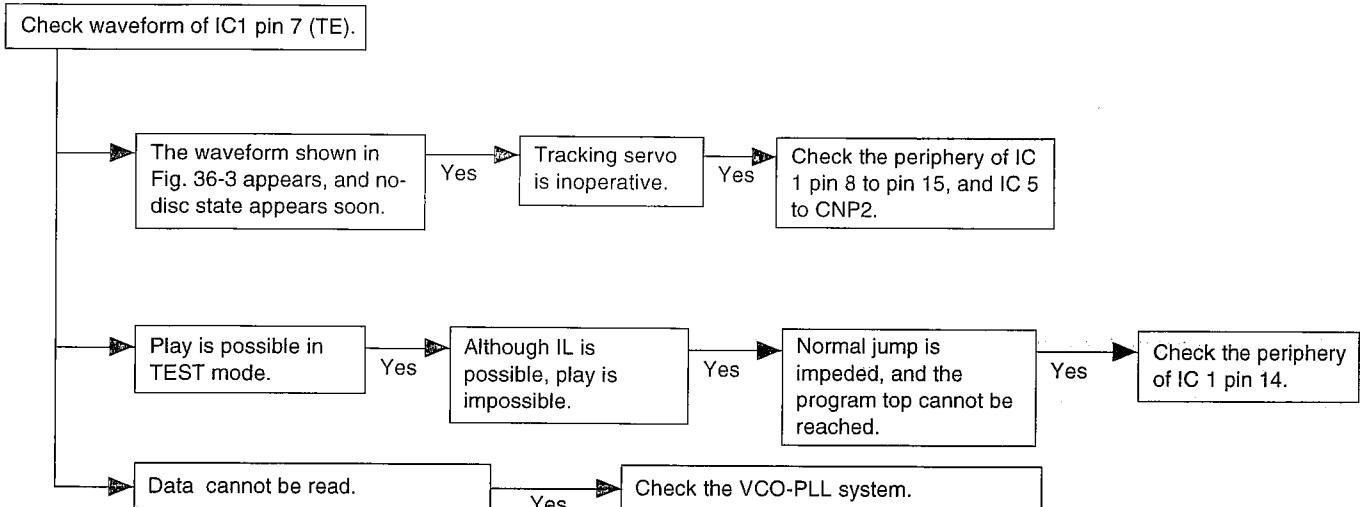


Figure 36-3

• 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 13 and pin 14, 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. 37).

Abnormal

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

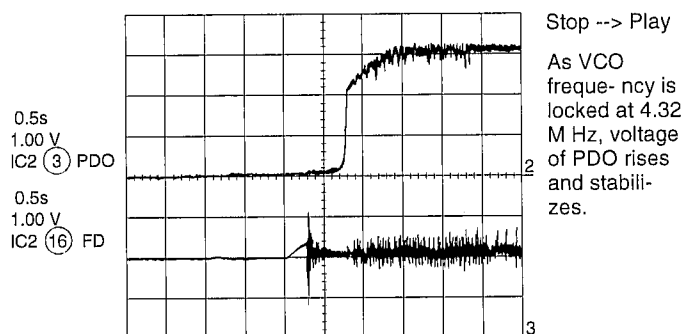


Figure 37

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

Check IC 2 pin 58 (EFLG).

No

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

Yes

Check IC3 pins 1, 7.

Abnormal

Check IC 501 and POWER AMP IC 90.

FUNCTION TABLE OF IC

IC2 VHLC78625E-1: Servo/Signal Control (1/2)

Pin No.	Terminal Name	Input/Output	Function	
1	DEFI	Input	Defect detection signal (DEF) input terminal. (It is set to "L" when not used)	
2	TAI	Input	For PLL	Input terminal for test. Pull-down resistor is built in.
3	PDO	Output		Phase comparison output terminal for external VCO control.
4	VVSS	—		Grounding terminal for built-in VCO. Usually 0V.
5	ISSET	Input		Resistor connecting terminal for current adjustment of PDO output.
6	VVDD	—		Power terminal for built-in VCO. Usually 5V.
7	FR	Input		For VCO frequency range adjustment.
8	VSS	—	Digital system grounding terminal. Usually 0V.	
9*	EFMO	Output	For slice level control	EFM signal inversion output terminal.
10	EFMO	Output		EFM signal output terminal.
11	EFMIN	Input		EMF signal input terminal.
12*	TEST2	Input	Input terminal for test. Pull-down resistor built in.	
13, 14	CLV+, CLV-	Output	Output terminal for spindle servo control. When CLV+ is "H", acceleration is set. When CLV- is "H", deceleration is set. Three-value output with command is enabled.	
15	V $\bar{P}$	Output	Rough servo/phase control automatic selection monitor output terminal. Rough servo: "H" Phase control mode: "L"	
16*	FOCS	Output	Focus servo ON/OFF output terminal. Focus servo ON: "L"	
17*	FST	Output	Focus start pulse output terminal. Open drain output.	
18	FSZ	Input	Focus error zero cross signal input terminal. (It is set to "L" when not used)	
19	HFL	Input	Track detection signal input terminal. Schmidt input.	
20	TES	Input	Tracking error signal input terminal. Schmidt input.	
21*	PCK	Output	Clock monitor terminal for EFM data playback. Phase lock mode: 4.3218 MHz.	
22*	FSEQ	Output	Sync signal detection output terminal. When sync signal detected from EFM signal coincides with intrinsically generated sync signal: "H"	
23	TOFF	Output	Tracking OFF output terminal.	
24	TGL	Output	Output terminal for tracking gain selection. Gain increased: "L"	
25*	THLD	Output	Tracking hold output terminal.	
26*	TEST3	Input	Input terminal for test. Pull-down resistor is built in.	
27	VSS	—	Digital system power terminal. Usually 5V.	
28, 29	JP+, JP-	Output	Output terminal for track jump. When JP+ is "H" and outer periphery jump is performed, acceleration is set. In case of inner periphery jump deceleration is set. When JP- is "H" and inner periphery jump is performed, acceleration is set. In case of outer periphery jump deceleration is set. 3-value output with command is enabled.	
30*	DEMO	Input	Sounding function input terminal for set adjusting process. Pull-down resistor is built in.	
31*	TEST4	Input	Input terminal for test. Pull-down resistor is built in.	
32*	EMPH	Output	Deemphasis monitor output terminal. Deemphasis disc playback: "H"	
33*	LRCKO	Output	Digital filter output	Word clock output.
34*	DFORO	Output		R channel data output.
35*	DFOLO	Output		L channel data output.
36*	DACKO	Output		Bit clock output.
37*	TST10	Output	Output terminal for test. Usually "L" output.	
38	ASDACK/P0	Input/Output	Input for antishock	Bit clock input.
39	ASDFIN/P1	Input/Output		L/R channel data input.
40	ASDEPC/P2	Input/Output		Built-in deemphasis filter ON/OFF selection terminal. (ON: "H" OFF: "L")
41	ASLRCK/P3	Input/Output		Word clock input.
42*	LRSY	Output	Output for ROMXA	L/R clock output.
43*	CK2	Output		Bit clock output. (in RESET mode)
44*	ROMXA	Output		Polarity inversion clock output. (in CK2CON mode)
45*	C2F	Output		Interpolation data output. (in RESET mode)
				ROM data output. (in ROMXA mode)
				C2 flag output

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

IC2 VHiLC78625E-1:Servo/Signal Control (2/2)

Pin No.	Terminal Name	Input/Output	Function	
46*	MUTEL	Output	For 1 bit DAC	L channel mute output terminal.
47	LVDD	—		Power supply terminal for L channel. Usually 5V.
48	LCHP	Output		L channel P output terminal.
49	LCHN	Output		L channel N output terminal.
50	LVSS	—		Grounding terminal for L channel. Usually 0V.
51	RVSS	—		Grounding terminal for R channel. Usually 0V.
52	RCHN	Output		R channel N output terminal.
53	RCHP	Output		R channel P output terminal.
54	RVDD	—		Power supply terminal for R channel. Usually 5V.
55*	MUTER	Output		R channel mute output terminal.
56	DOUT	Output	Digital OUT output terminal.	
57*	SBSY	Output	Sub-code block sync signal output terminal.	
58*	EFLG	Output	C1, C2, single and dual correction monitor terminal.	
59*	PW	Output	Sub-code P, Q, R, S, T, U and W output terminal.	
60*	SFSY	Output	Sub-code frame sync signal output terminal. Fall when sub-code is set to standby state.	
61*	SBCK	Input	Sub-code read clock input terminal. Schmidt input. (It is set to "L" when not used)	
62*	FSX	Output	Terminal to output 7.35 kHz sync signal frequency-divided from crystal oscillation.	
63	WRQ	Output	Sub-code Q output standby output terminal.	
64	RWC	Input	Read/Write control input terminal. Schmidt input.	
65	SQOUT	Output	Sub-code Q output terminal.	
66	COIN	Input	Terminal to input command from microcomputer.	
67	$\overline{\text{CQCK}}$	Input	Terminal to input command input intake clock or sub-code fetching clock from SQOUT. Schmidt input.	
68	$\overline{\text{RES}}$	Input	Reset input terminal. When power supply is turned on, the terminal is once set to "L".	
69*	TST11	Output	Output terminal for test. Usually "L" output.	
70*	LASER	Output	Laser ON/OFF output terminal. Control with serial data command from microcomputer.	
71*	16M	Output	16.9344 MHz output terminal. However, 33.8688 MHz is output only in x4 speed playback mode.	
72	4.2M	Output	4.2336 MHz output terminal.	
73*	CONT	Output	Spare control output terminal. Control with serial data command from microcomputer.	
74	TEST5	Input	Input terminal for test. Pull-down resistor is built in.	
75	$\overline{\text{CS}}$	Input	Chip selection input terminal. Pull-down resistor is built in.	
76	XVSS	—	Grounding terminal for crystal oscillation. Usually 0V.	
77	XIN	Input	Terminal to connect 16.9344 MHz crystal oscillator. (In Normal and x2 speed playback mode) For the x4 speed playback system, 33.8688 MHz crystal oscillator is connected.	
78	XOUT	Output	Terminal to connect 16.9344 MHz crystal oscillator. (In Normal and x2 speed playback mode) For the x4 speed playback system, 33.8688 MHz crystal oscillator is connected.	
79	XVDD	—	Power supply terminal for crystal oscillation. Usually 5V.	
80	TEST1	Input	Input terminal for test. Pull-down resistor is built in.	

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

CD-C880X

IC701 RH-iX0111AWZZ:Microcomputer (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P94/FIP6	T6	Output	FL control T6-6G•T6-3G
2	P93/FIP5	T5	Output	FL control T5-5G•T5-4G
3	P92/FIP4	T4	Output	FL control T4-4G•T4-9G
4	P91/FIP3	T3	Output	FL control T3-3G•T3-8G
5	P90/FIP2	T2	Output	FL control T2-10G•T2-7G
6	P81/FIP1	T1	Output	FL control T1-11G•T1-6G
7	P80/FIP0	T0	Output	FL control T0-12G•T0-5G
8	VDD	+B	—	+5V
9	P27/SCKO	SCK0	Input	Clock input (RDS.TUNER microcomputer)
10	P26/SO0/SB1	SO0	Output	Data output (RDS.TUNER microcomputer)
11	P25/SI0/SB0	SI0	Input	Data input (RDS.TUNER microcomputer)
12	P24/BUSY	INFL	Input	FL setting L: 12A7R H: 9CM7R
13	P23/STB	STB	Output	STB (main microcomputer)
14	P22/SCK1	SCK0	Input	Clock input (main microcomputer)
15	P21/SO1	SO0	Output	Data output (main microcomputer)
16	P20/SI1	SI0	Input	Data input (main microcomputer)
17	RESET	RST	Input	RESET input
18	P74	LED5	Output	Illumination guide ◀◀
19	P73	LED4	Output	Illumination guide ◀
20	AVSS	GND	—	GND for AD conversion
21	P17/ANI7	ADIN	Input	Setting switch input
22	P16/ANI6	ADIN	Input	Key input
23	P15/ANI5	ADIN	Input	Key input
24	P14/ANI4	ADIN	Input	Key input the 12cm mode of spindle.
25	P13/ANI3	ADIN	Input	Key input
26	P12/ANI2	ADIN	Input	Key input
27	P11/ANI1	ADIN	Input	Key input
28	P10/ANI0	ADIN	Input	Key input
29	AVDD	AVDD	—	+B power supply for AD (5V)
30	AVREF	ADREF	—	Reference power supply for AD (5V)
31	P04/XT1	XT1	Input	GND (Not used)
32*	XT2	XT2	Input	OPEN (Not used)
33	VSS	VSS	Input	GND
34, 35	X1, X2	—	—	System clock (4.19 MHz)
36	P37	LED13	Output	CD-DISC 3
37	P36/BUZ	LED12	Output	CD-DISC 2
38	P35/PCL	LED11	Output	CD-DISC 1
39	P34/TI2	LED10	Output	POWER LED
40	P33/TI1	LED9	Output	DSP. HALL
41	P32/TO2	LED8	Output	DSP.LIVE
42	P31/TO1	LED7	Output	DSP.DOME
43	P30/TO0	LED6	Output	STB μ PC6700
44	P03/INTP3/CIO	RQ	Input	RQ (RDS.TUNER microcomputer interruption input)
45	P02/INTP2	CLK	Output	CLK μ PC6700
46	P01/INTP1	DATA	Output	DATA μ PC6700
47	P00/INTP0/TI0	REMOCOM	Input	Remote control input
48	IC	—	—	GND
49	P72	LED3	Output	Illumination guide ◻
50	P71	LED2	Output	Illumination guide ▶
51	P70	LED1	Output	Illumination guide ▶▶

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

IC701 RH-iX0111AWZZ:Microcomputer (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
52	VDD	VDD	—	+5V
53	P127/PIF33	S21	Output	FL control S21-P16
54	P126/PIF32	S20	Output	FL control S20-P15
55	P125/PIF31	S19	Output	FL control S19-P22
56	P124/PIF30	S18	Output	FL control S18-P13
57	P123/PIF29	S17	Output	FL control S17-P12
58	P122/PIF28	S16, S19	Output	FL control S16-P11•S19-P15
59	P121/PIF27	S15, S18	Output	FL control S15-P10•S18-P16
60	P120/PIF26	S14, S17	Output	FL control S14-P9•S17-P13
61	P117/PIF25	S13, S16	Output	FL control S13-P8•S16-P20
62	P116/PIF24	S12, S15	Output	FL control S12-P7•S15-P14
63	P115/PIF23	S11, S14	Output	FL control S11-P6•S14-P11
64	P114/PIF22	S10, S13	Output	FL control S10-P5•S13-P10
65	P113/FIP21	S9, S12	Output	FL control S9-P4•S12-P9
66	P112/FIP20	S8, S11	Output	FL control S8-P1•S11-P8
67	P111/FIP19	S7, S10	Output	FL control S7-P2•S10-P7
68	P110/FIP19	S6, S9	Output	FL control S6-P3•S9-P6
69	P107/FIP17	S5, S8	Output	FL control S5-P14•S8-P5
70	P106/FIP16	S4, S7	Output	FL control S4-P21•S7-P4
71	VLOAD	—	Output	FL negative power supply (-30V)
72	P105/FIP16	S3, S6	Output	FL control S3-P20•S6-P3
73	P104/FIP15	S2, S5	Output	FL control S2-P19•S5-P2
74	P103/FIP14	S1, S4	Output	FL control S1-P18•S4-P1
75	P102/FIP13	S0, S3	Output	FL control S0-P17•S3-P12
76	P101/FIP12	T11, S2	Output	FL control T11-2G•S2-P19
77	P100/FIP11	T10, S1	Output	FL control T10-1G•S1-P18
78	P97/FIP9	T9, S0	Output	FL control T9-9G•S0-P17
79	P96/FIP8	T8	Output	FL control T8-8G•T8-1G
80	P95/FIP7	T7	Output	FL control T7-7G•T8-2G

The option resistor of FIP terminal is connected to the Vload terminal.

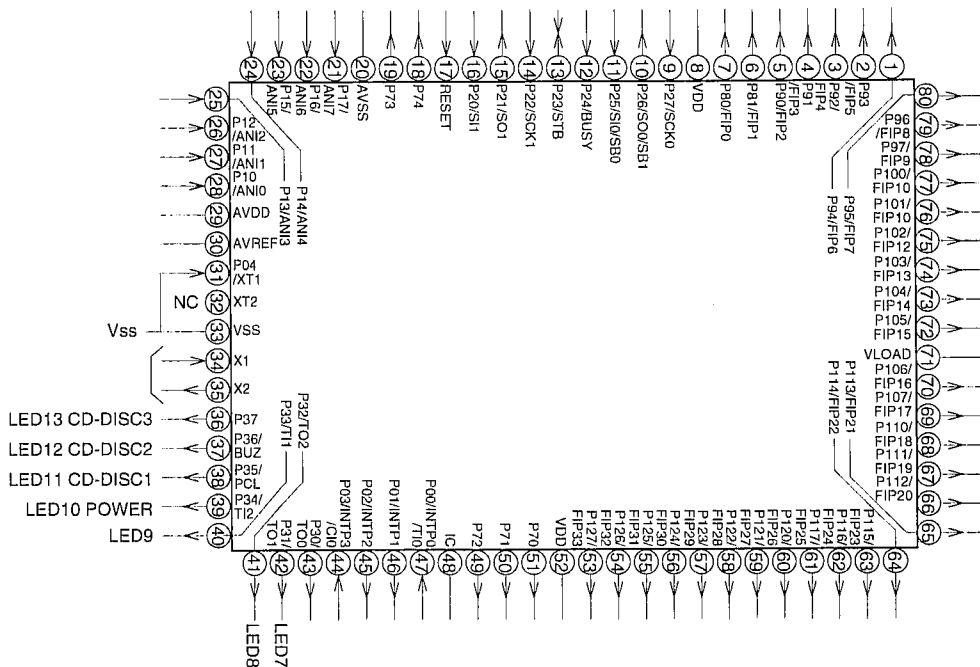


Figure 41 BLOCK DIAGRAM OF IC

CD-C880X

IC201 RH-iX0164AWZZ: System Microcomputer (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P94/FIP6	HI SPEED	Output	Tape high speed control output High speed: L
2	P93/FIP5	CD H/L	Output	CD loading speed selection High speed: L
3*	P92/FIP4	CD	Output	CD function output
4	P91/FIP3	CD MUTE	Output	CD muting output
5	P90/FIP2	CD SL+	Output	CD slide feed positive output
6	P81/FIP1	CD SL-	Output	CD slide feed positive output
7	P80/FIP0	CD RES	Output	Reset output for CD DSP
8	VDD	VDD	—	Positive power supply
9	P27/SCK0	CD CQCK	Output	Serial clock output for CD DSP
10	P26/SO0/SB1	CD CDOUT	Output	Serial command output for CD DSP To DSP COIN
11	P25/SI0/SB0	CD SQIN	Input	Sub-code Q input for CD DSP To DSP SQOUT
12	P24/BUSY	CD WRQ	Input	Sub-code Q standby input for CD DSP
13	P23/STB	CD RWC	Output	Read/Write control output for CD DSP
14	P22/SCK1	MAIN SCK	Output	Serial clock output for display microcomputer
15	P21/SO1	MAIN SO	Output	Serial data output for display microcomputer
16	P20/SI1	MAIN SI	Input	Serial data input for display microcomputer
17	RESET	RESET	Input	Reset input
18	P74	MAIN STB	Output	Serial strobe output for display microcomputer
19	P73	CD PUIN	Input	CD pickup inner periphery detection input
20	AVSS	AVSS	—	Analog power supply for A/D converter
21	P17/ANI7	CD DRF	Input	CD RF level detection input RF level higher than 2.5V: H
22	P16/ANI6	T1 RUN	Input	Tape mechanism 1 run pulse input difference detection
23	P15/ANI5	T2 RUN	Input	Tape mechanism 2 run pulse input difference detection
24	P14/ANI4	SP5	Input	63 Hz BPF spectrum analyzer input
25	P13/ANI3	SP4	Input	250 Hz BPF spectrum analyzer input
26	P12/ANI2	SP3	Input	1 kHz BPF spectrum analyzer input
27	P11/ANI1	SP2	Input	4 kHz BPF spectrum analyzer input
28	P10/ANI0	SP1	Input	16 kHz BPF spectrum analyzer input
29	AVDD	AVDD	—	Analog positive power supply for A/D converter
30	AVREF	AVREF	—	Reference power supply for A/D converter
31	P04/XT1	VSS	Input	Sub-clock input To be connected to Vss
32*	XT2	N.C	Output	Sub-clock output Open
33	VSS	VSS	—	GND
34	X1	X1	Input	Main clock 4.194304 MHz
35	X2	X2	Output	Main clock 4.194304 MHz
36	P37	C ² B CE	Output	Tuner/preamplifier C2B serial control input/output control output
37	P36/BUZ	C ² B CLK	Output	Tuner/preamplifier C2B serial control clock output
38	P35/PCL	C ² B DO	Output	Tuner/preamplifier C2B serial control data output
39	P34/TI2	C ² B DI	Input	Tuner/preamplifier C2B serial control data input
40	P33/TI1	SD	Input	Tuner signal detection input Signal found: L
41	P32/TO2	TUN MUTE	Output	Tuner muting output
42	P31/TO1	V-CANCEL	Output	Voice cancel control output Vocal cut: H
43	P30/TO0	S-MUTE	Output	System muting output
44	P03/INTP3/CI0	TUN RESET	Output	Tuner microcomputer reset output
45	P02/INTP2	PLY DRV	Output	Speaker output relay control output Relay ON: H
46	P01/INPT1	SP DET	Input	Speaker output error detection input Occurrence of error: L
47	P00/INPT0/TI0	SYS STOP	Input	Power failure input
48	IC	VSS	—	GND connection
49	P72	SOL1	Output	Tape mechanism 1 plunger control output Attraction: L
50	P71	SOL2	Output	Tape mechanism 2 plunger control output Attraction: L
51	P70	MOT SW	Output	Tape mechanism motor control output Rotation: L

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

IC201 RH-iX0164AWZZ: System Microcomputer (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	
52	VDD	VDD	—	Positive power supply
53	P127/FIP33	CD OPEN	Input	CD tray open position detection input Open end: L
54	P126/FIP32	CD CLOSE	Input	CD tray close position detection input Close end: L
55	P125/FIP31	CD D-NO.	Input	CD turntable position detection input Pulse count
56	P124/FIP30	CD U/D	Input	CD mechanism UP/DOWN chucking detection input UP: L
57	P123/FIP29	AUT SCAN	Input	Tuner operation setting input Autoscans provided: H Not provided: L
58	P122/FIP28	SPAN 9K	Input	Tuner operation setting input Span selection 9k: H 10k: L
59	P121/FIP27	BEAT CUT	Output	Tape beat cut output A: L B: H
60	P120/FIP26	LINE MUT	Output	Line output muting output
61	P117/FIP25	T1 PL/SP	Input	Tape mechanism 1 sub-chassis position detection input UP: L
62	P116/FIP24	T1 CROM	Input	Tape mechanism 1 CROM detection input CROM: H
63	P115/FIP23	T2 PL/SP	Input	Tape mechanism 2 sub-chassis position detection input UP: L
64	P114/FIP22	T2 A-FP	Input	Tape mechanism 2 A side foolproof detection input Record enabled: L
65	P113/FIP21	T2 B-FP	Input	Tape mechanism B side foolproof detection input Record enabled: L
66	P112/FIP20	T2 CROM	Input	Tape mechanism 2 CROM detection input CROM: H
67	P111/FIP19	SRS SEL	Input	SRS operation setting input SRS provided: H Not provided: L
68	P110/FIP18	SRS INH	Output	SRS control output 4052 control
69	P107/FIP17	SRS B	Output	SRS control output 4052 control
70	P106/FIP16	SRS A	Output	SRS control output 4052 control
71	VLOAD	VSS	—	GND connection. (for ports 8, 9 and 10)
72	P105/FIP15	SRS 3D	Output	SRS control output. 3D: H Others: L
73	P104/FIP14	SRS PASS	Output	SRS control output. SRS1, 2: L Others: H
74	P103/FIP13	POWER	Output	Set power control output Power ON: H Power OFF: L
75	P102/FIP12	BIAS	Output	Tape record bias control output Record: H
76	P101/FIP11	T1/T2	Output	Tape playback selection output T1: H T2: L
77	P100/FIP10	REC/P.B	Output	Tape record/playback selection output Playback: H Record: L
78	P97/FIP9	P.B EQ	Output	Tape playback equalizer selection output 70 uS: H 120 uS: L
79	P96/FIP8	REC MUTE	Output	Tape record muting output
80	P95/FIP7	P.B MUTE	Output	Tape playback muting output

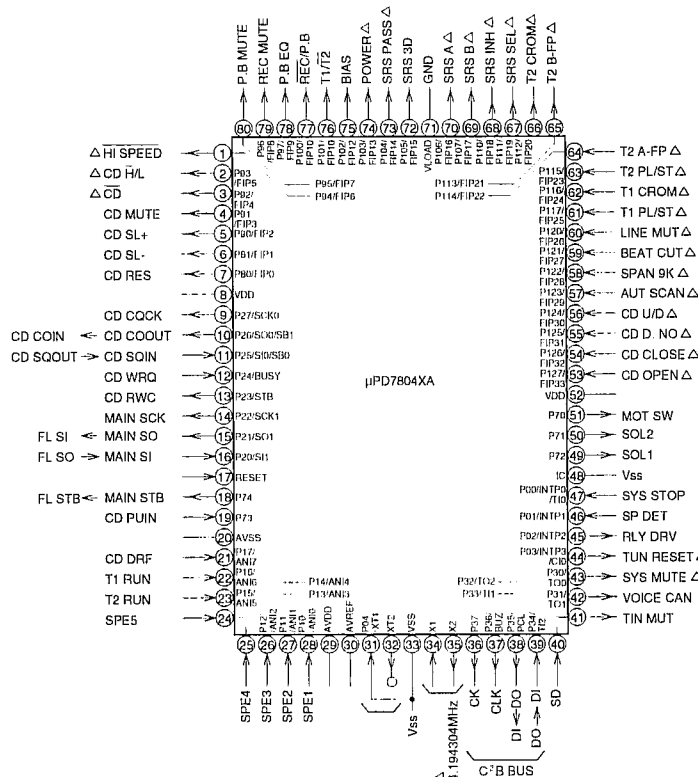


Figure 43 BLOCK DIAGRAM OF IC

CD-C880X

IC2 VHiLC78625E-1:Servo/Signal Control

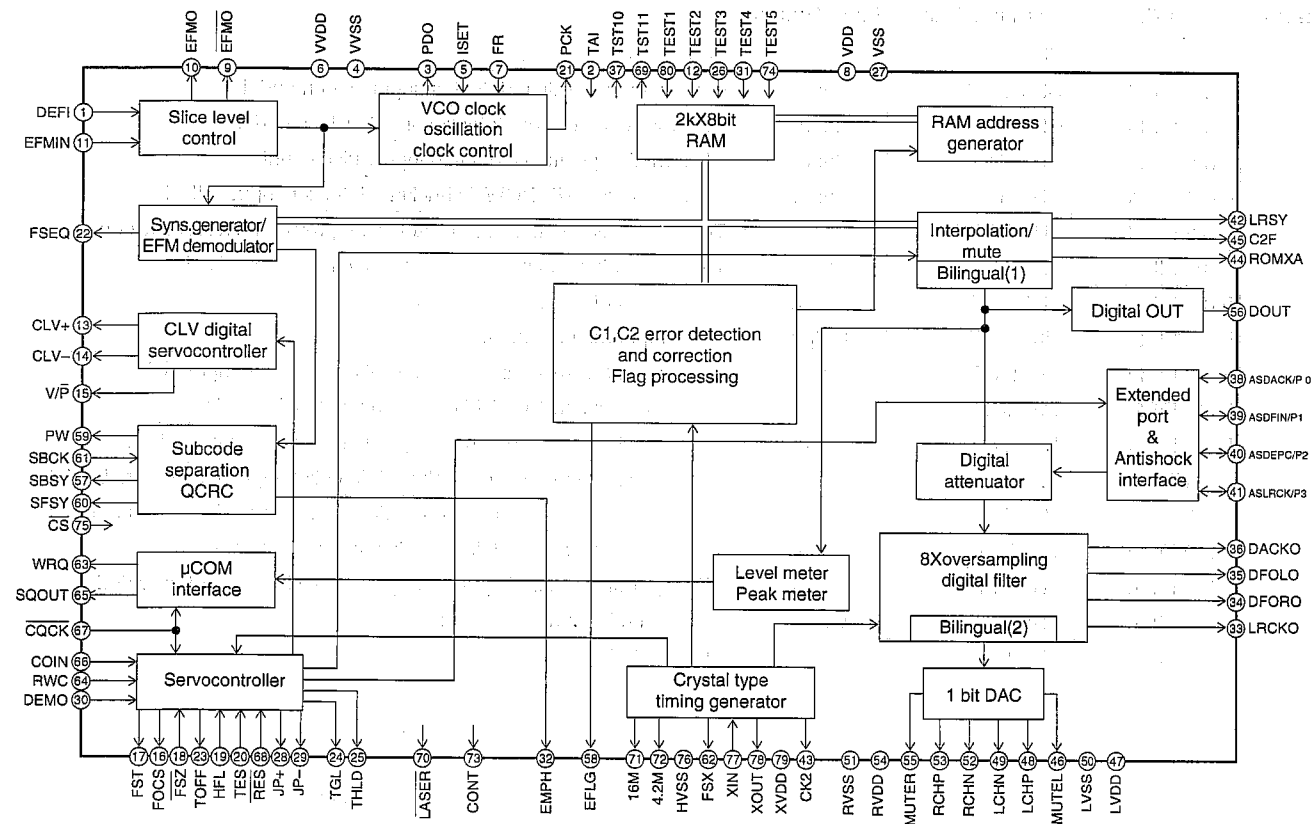


Figure 44-1 BLOCK DIAGRAM OF IC

FL701 VVKFiP12A7R-1

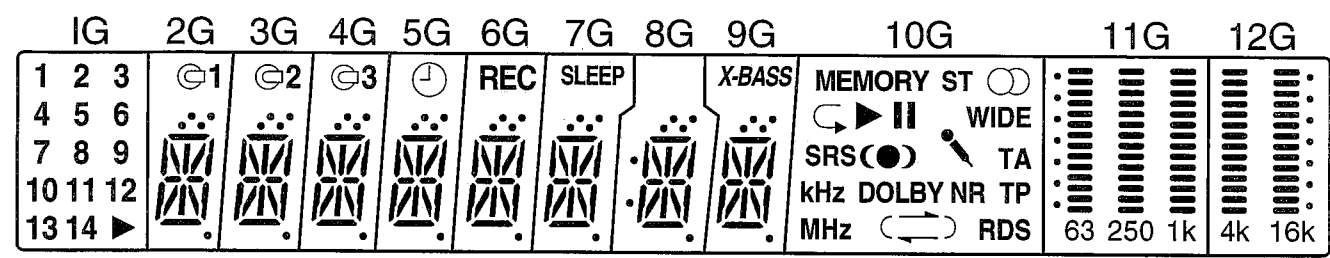


Figure 44-2 FL SEGMENT

SHARP PARTS GUIDE

MODEL CD-C880X(BK)

"HOW TO ORDER REPLACEMENT PARTS"

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

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

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

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

Explanation of capacitors/resistors parts codes

Capacitors

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

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

Resistors

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

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

NOTE:

Parts marked with "△" are important for maintaining the safety of the set.
 Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

CD-C880X

NO.	PART CODE	★ PRICE RANK	DESCRIPTION
INTEGRATED CIRCUITS			
IC1	VHILA9240M/-1	J AV	Servo Amp.,LA9240M
IC2	VHILC78625E-1	J BA	Servo/Signal Control,LC78625C
IC3	VHINJM4565D-1	J AC	Mic Amp.,NJM4565D
IC5	VHIBA5920FP-1	J AR	Focus/Tracking/Spin/ Slide Driver,BA5920FP
IC91	VHITA7291S/-1	J AH	Loading Motor Driver, TA7291S
IC99	VHPGP1F32T/-1	J AP	Optical Fiber Data Link, GP1F32T
IC101	VHIAN7345K/-1	J AM	Playback and Record/ Playback Amp.,AN7345K
IC201	RH-IX0164AWZZ	J	System Microcomputer, μPD78044A
IC302	VHILC72131/-1	J AP	PLL (Tuner),LC72131
IC303	VHILA1832/-1	J AR	FM IF DET/FM MPX./AM IF
IC451	VHISRS5250S-1	J BL	SRS,SRS5250S
IC453	VHIBU4052BC-1	J AH	Function Selector, BU4052BC
IC501	VHILC75394E-1	J AX	Audio Processor LC75394E
IC502~504	VHIBA4558/-1	J AD	Equalizer Amp.,BA4558
IC681	VHIBA4558F/-1	J AD	Ope Amp.,BA4558F
IC701	RH-IX0111AWZZ	J AY	Microcomputer,IX0111AW
IC702	VHIUPD6700/-1	J AX	FL Driver,μPD6700
IC901	VHISTK48802-1	J BA	Power Amp.,STK48802
IC902	VHINJM4565D-1	J AC	Mic Amp.,NJM4565D
ICT1	VHITA7358AP-1	J AG	FM Front End,TA7358AP

TRANSISTORS

Q1	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR
Q71,72	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q91	VSKTC3203Y/-1	J AC	Silicon,NPN,KTC3203 Y
Q92	VS2SD468-C/-1	J AD	Silicon,NPN,2SD468 C
Q93	VSKTC3203Y/-1	J AC	Silicon,NPN,KTC3203 Y
Q94,95	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q101,102	VSKRC104M/-1	J AC	Digital,NPN,KRC104 M
Q103~106	VS2SC2389SE-1	J AD	Silicon,NPN,2SC2389 SE
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
Q113~116	VSKRC104M/-1	J AC	Digital,NPN,KRC104 M
Q117,118	VS2SC2878A/-1	J AE	Silicon,NPN,2SC2878 A
Q119	VSKRC104M/-1	J AC	Digital,NPN,KRC104 M
Q121,122	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q124,125	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR
Q126,127	VSKRC104M/-1	J AC	Digital,NPN,KRC104 M
Q128	VS2SC2236-Y/-1	J AB	Silicon,NPN,2SC2236 Y
Q129	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q130	VSKRC104M/-1	J AC	Digital,NPN,KRC104 M
Q140	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q201	VSKRC102M/-1	J AC	Digital,NPN,KRC102 M
Q202,203	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q353,354	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q360	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR
Q361	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q458~460	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q461	VSKTC3203Y/-1	J AC	Silicon,NPN,KTC3203 Y
Q463	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q466	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q467	VSKRA107M/-1	J AE	Digital,PNP,KRA107 M
Q468,469	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q681,682	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q699	VSKRA107M/-1	J AE	Digital,PNP,KRA107 M
Q704	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q708~711	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q712	VSKTA1273Y/-1	J AE	Silicon,PNP,KTA1273 Y
Q713~715	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q801	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR
Q820	VSKTD2058Y/-1	J AF	Silicon,NPN,KTD2058 Y
Q821	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q822	VSKTD2058Y/-1	J AF	Silicon,NPN,KTD2058 Y
Q823	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q824	VSKTD2058Y/-1	J AF	Silicon,NPN,KTD2058 Y
Q825	VS2SD468-C/-1	J AD	Silicon,NPN,2SD468 C
Q826	VSKRA107M/-1	J AE	Digital,PNP,KRA107 M
Q827	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q828	VSKRC107M/-1	J AC	Digital,NPN,KRC107 M
Q901~904	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
Q996	VSKRC102M/-1	J AC	Digital,NPN,KRC102 M
Q997~999	VSKTC3199GR-1	J AB	Digital,NPN,KTC3199 GR
QM1	VSKTA1266GR-1	J AB	Silicon,PNP,KTA1266 GR
QM2	VSKTA1273Y/-1	J AE	Silicon,PNP,KTA1273 Y

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
QM3,4	VSKTA1271Y/-1	J AC	Silicon,PNP,KTA1271 Y
QM8	VSKRC104M/-1	J AC	Digital,NPN,KRC104 M
QT1	VS2SC535-C/-1	J AC	Silicon,NPN,2SC535 C

DIODES

D2	VHD1SS133/-1	J AA	Silicon,1SS133
D3,4	VHDRL104A/-1	J AB	Silicon,RL104A
D201,202	VHD1SS133/-1	J AA	Silicon,1SS133
D204~207	VHD1SS133/-1	J AA	Silicon,1SS133
D301~304	VHD1SS133/-1	J AA	Silicon,1SS133
D351~353	VHD1SS133/-1	J AA	Silicon,1SS133
D451	VHD1SS133/-1	J AA	Silicon,1SS133
D550~557	VHD1SS133/-1	J AA	Silicon,1SS133
D698,699	VHD1SS133/-1	J AA	Silicon,1SS133
D704,705	VHD1SS133/-1	J AA	Silicon,1SS133
D753	VHD1SS133/-1	J AA	Silicon,1SS133
△D801	VHDS4VB20/-1	J AG	Rectifier,S4VB20
D802~805	VHDRL104A/-1	J AB	Silicon,RL104A
D808~811	VHD1SS133/-1	J AA	Silicon,1SS133
D821,822	VHDRL104A/-1	J AB	Silicon,RL104A
D823~826	VHD1SS133/-1	J AA	Silicon,1SS133
D901,902	VHD1SS133/-1	J AA	Silicon,1SS133
D998,999	VHD1SS133/-1	J AA	Silicon,1SS133
DM1~3	VHD1SS133/-1	J AA	Silicon,1SS133
DT1	VHD1SS133/-1	J AA	Silicon,1SS133
LED701~705	VHP5N4GTN52-1	J AD	LED,Green,5N4GTN52
LED707~709	VHP5N4GTN52-1	J AD	LED,Green,5N4GTN52
LED711~716	VHPLMKD515B-1	J AE	LED,Green,LMKD515B-1
VD301	VHCKV1236Z23F	J AS	Variable Capacitance, KV1236Z23F
VDT1,2	VHCKDV147C/-1	J AH	Variable Capacitance,KDV147C
ZD91	VHEMTZJ5R6B-1	J AD	Zener,5.6V,MTZJ5.6B
ZD201	VHEMTZJ3R9B-1	J AC	Zener,3.9V,MTZJ3.9B
ZD351	VHEMTZJ5R1B-1	J AC	Zener,5.1V,MTZJ5.1B
ZD352	VHEMTZJ3R9B-1	J AC	Zener,3.9V,MTZJ3.9B
ZD550	VHEMTZJ6R2C-1	J AC	Zener,6.2V,MTZJ6.2C
ZD801	VHEMTZJ330C-1	J AB	Zener,33V,MTZJ33C
ZD802	VHEMTZJ6R8C-1	J AA	Zener,6.8V,MTZJ6.8C
ZD820	VHEMTZJ130C-1	J AB	Zener,13V,MTZJ13C
ZD821	VHEMTZJ6R2C-1	J AC	Zener,6.2V,MTZJ6.2C
ZD822	VHEMTZJ8R2C-1	J AB	Zener,8.2V,MTZJ8.2C
ZD901	VHEMTZJ150A-1	J AA	Zener,15V,MTZJ15A

FILTERS

BFT1	92LFILTF1759AT	J AD	FM Band Pass Filter
CF302	RFILF0124AFZZ	J AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J AK	FM IF
CF352	RFILA0008AWZZ	J AE	AM IF

TRANSFORMER

T302	RCILA1064AFZZ	J AD	AM Antenna
T306	RCILB1074AFZZ	J AC	OSC,AM
T351	RCILIO011AWZZ	J AD	AM IF
△T801	RTRNP0039AWZZ	J BH	Power
TT1	RCILIO007AWZZ	J AD	FM IF

COILS

L1	VP-XHR82K0000	J AC	0.82 μH,Choke
L99	VP-DH2R2M0000	J AB	2.2 μH,Choke
L101,102	VP-MK182K0000	J AC	1.8 mH,Choke
L103	VP-MK102K0000	J AB	1 mH,Choke
L104	VP-MK331K0000	J AB	330 μH,Choke
L201	VP-DH2R2M0000	J AB	2.2 μH,Choke
L351,352	VP-DH101K0000	J AB	100 μH,Choke
L353	VP-DH102K0000	J AB	1 mH,Choke
L356	VP-YF102J0000	J AC	1 mH
L357	VP-YF472J0000	J AC	4.7 mH
L358	VP-YF561K0000	J AD	560 μH
L701	VP-DH101K0000	J AB	100 μH,Choke
L702,703	VP-DH2R2K0000	J AB	2.2 mmH,Peaking
L903	VP-XH2R2K0000	J AB	2.2 μH,Choke
LT1	RCILR0029AWZZ	J AA	FM RF
LT2	RCILB0045AWZZ	J AD	FM Oscillation

VARIABLE RESISTORS

VR351	RVR-M0999AFZZ	J AB	10 kohms (B),Semi-VR [FM Mute Level]
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NO.	PART CODE	★	PRICE RANK	DESCRIPTION
VRM1	RVR-M0996AFZZ	J	AB	3.3 kohms (B),Semi-VR [Tape Speed]

VIBRATORS

X202	RCRSP0003AWZZ	J	AH	Crystal,4.19 MHz
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
X701	RCRM-0147AFZZ	J	AD	Ceramic,4.19 MHz
XL1	92LCRSTL1585D	J	AK	Crystal,16.93 MHz

CAPACITORS

C1	VCTYMN1CY103K	J	AA	0.01 μ F,16V
C2	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C3	RC-GZA104AF1H	J	AB	0.1 μ F,50V,Electrolytic
C4	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C5,6	VCTYPA1CX333K	J	AA	0.033 μ F,16V
C7	RC-GZA104AF1H	J	AB	0.1 μ F,50V,Electrolytic
C8	RC-QZA683AFYJ	J	AB	0.068 μ F,50V,Mylar
C9	VCTYPA1CX473K	J	AA	0.047 μ F,16V
C10	VCKYMN1HB181K	J	AA	180 pF,50V
C11	VCTYPA1CX104K	J	AB	0.1 μ F,16V
C12	VCKYMN1HB331K	J	AA	330 pF,50V
C13	VCTYPA1CX104K	J	AB	0.1 μ F,16V
C14	VCTYMN1CY103K	J	AA	0.01 μ F,16V
C15	VCTYMN1CX472K	J	AA	0.0047 μ F,16V
C16	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C17	RC-GZA474AF1H	J	AA	0.47 μ F,50V,Electrolytic
C18	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C19	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C20	VCTYMN1CX332K	J	AA	0.0033 μ F,16V
C21	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C22	VCTYPA1CX103K	J	AA	0.01 μ F,16V
C24	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C25	VCTYMN1CY103K	J	AA	0.01 μ F,16V
C30	VCCSMN1HL2R2C	J	AB	2.2 pF,50V
C31	VCTYBT1CX272M	J	AA	0.0027 μ F,16V
C32	VCCSMN1HL270J	J	AA	27 pF,50V
C33	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C34	VCTYPA1CX333K	J	AA	0.033 μ F,16V
C35	RC-GZA104AF1H	J	AB	0.1 μ F,50V,Electrolytic
C36	VCKYBT1HB221K	J	AA	220 pF,50V
C37	RC-GZA107AF1A	J	AB	100 μ F,10V,Electrolytic
C38	VCTYMN1CY103K	J	AA	0.01 μ F,16V
C39	RC-GZA474AF1H	J	AA	0.47 μ F,50V,Electrolytic
C40	RC-GZA334AF1H	J	AA	0.33 μ F,50V,Electrolytic
C41,42	VCTYPA1CX473K	J	AA	0.047 μ F,16V
C43	RC-EZ0004AWZZ	J	AD	100 μ F,10V,Electrolytic
C44	RC-GZA107AF1A	J	AB	100 μ F,10V,Electrolytic
C45	RC-GZA475AF1E	J	AB	4.7 μ F,25V,Electrolytic
C46	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C47	VCKZPA1HF103Z	J	AA	0.01 μ F,50V
C48	VCTYBT1CY103N	J	AA	0.01 μ F,16V
C50	VCTYPA1CX104K	J	AB	0.1 μ F,16V
C53	VCCCPA1HH240J	J	AA	24 pF (CH),50V
C54	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C61,62	RC-QZ0001AWZZ	J	AD	100 pF,63V,Mylar
C63-66	VCKYMN1HB101K	J	AA	100 pF,50V
C67,68	RC-GZA106AF1C	J	AB	10 μ F,16V,Electrolytic
C69,70	VCKYMN1HB681K	J	AA	680 pF,50V
C71,72	RC-GZA107AF1A	J	AB	100 μ F,10V,Electrolytic
C73	VCTYMN1CY103K	J	AA	0.01 μ F,16V
C81	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C91	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C92,93	RC-GZA107AF1A	J	AB	100 μ F,10V,Electrolytic
C94	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C97	VCKZPA1HF223Z	J	AA	0.022 μ F,50V
C98	RC-GZA107AF1A	J	AB	100 μ F,10V,Electrolytic
C101,102	VCKYMN1HB471K	J	AA	470 pF,50V
C103,104	VCKYMN1HB561K	J	AA	560 pF,50V
C105,106	VCKYMN1HB331K	J	AA	330 pF,50V
C107,108	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C109	VCKZPA1HF223Z	J	AA	0.022 μ F,50V
C110	RC-GZA476AF1E	J	AB	47 μ F,25V,Electrolytic
C111-114	VCKYMN1HB331K	J	AA	330 pF,50V
C115,116	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C117,118	VCTYPA1CX333K	J	AA	0.033 μ F,16V
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V
C121,122	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C123,124	VCTYPA1CX103K	J	AA	0.01 μ F,16V
C125,126	VCTYPA1CX822K	J	AA	0.0082 μ F,16V

C127	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C128	RC-GZA335AF1E	J	AB	3.3 μ F,25V,Electrolytic
C129,130	VCKYMN1HB471K	J	AA	470 pF,50V
C131,132	VCKYMN1HB271K	J	AA	270 pF,50V
C133,134	RC-GZA226AF1E	J	AB	22 μ F,25V,Electrolytic
C135,136	VCTYPA1CX223K	J	AA	0.022 μ F,16V
C137,138	VCTYPA1CX183K	J	AA	0.018 μ F,16V
C139,140	VCTYMN1CX332K	J	AA	0.0033 μ F,16V
C141,142	RC-GZA476AF1E	J	AB	47 μ F,25V,Electrolytic
C143,144	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C145	RC-GZA226AF1E	J	AB	22 μ F,25V,Electrolytic
C146	RC-GZA227AF1A	J	AB	220 μ F,10V,Electrolytic
C147	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C150	VCCPKA2AA822J	J	AA	0.0082 μ F,100V,Polypropylene
C151	RC-QZA273AFYJ	J	AB	0.027 μ F,50V,Mylar
C152	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C155	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C162	RC-QZA473AFYJ	J	AB	0.047 μ F,50V,Mylar
C201	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C202	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C205	VCTYBT1EF223Z	J	AA	0.022 μ F,25V
C206	RC-GZA476AF1E	J	AB	47 μ F,25V,Electrolytic
C207	VCTYBT1CY103M	J	AA	0.01 μ F,16V
C208	VCTYMN1CY103K	J	AA	0.01 μ F,16V
C209	RC-GZA335AF1E	J	AB	3.3 μ F,25V,Electrolytic
C210	RC-GZA477AF1A	J	AC	470 μ F,10V,Electrolytic
C211,212	VCCSPA1HL560J	J	AA	56 pF,50V
C301	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C305	VCKZPA1HF473Z	J	AA	0.047 μ F,50V
C311	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C315	VCTYPA1CX104K	J	AB	0.1 μ F,16V
C330	VCCUMN1HJ8R2D	J	AA	8.2 pF (UJ),50V
C331	VCKZPA1HF473Z	J	AA	0.047 μ F,50V
C334,335	VCCUMN1HJ180J	J	AA	18 pF (UJ),50V
C336	VCKYMN1HB471K	J	AA	470 pF,50V
C338	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C342	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C343	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C350,351	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C352	RC-GZA106AF1C	J	AB	10 μ F,16V,Electrolytic
C353,354	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C355	VCCSMN1HL220J	J	AA	22 pF,50V
C356	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C357	RC-GZA225AF1H	J	AB	2.2 μ F,50V,Electrolytic
C358	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C361	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C362	RC-GZA335AF1H	J	AB	3.3 μ F,50V,Electrolytic
C363	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C364	RC-GZA106AF1C	J	AB	10 μ F,16V,Electrolytic
C365	VCTYMN0JY223N	J	AA	0.022 μ F,6.3V
C366	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C367,368	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C370-372	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C373,374	VCTYPA1CX223K	J	AA	0.022 μ F,16V
C375	RC-GZA335AF1H	J	AB	3.3 μ F,50V,Electrolytic
C376	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C380	RC-GZA105AF1H	J	AB	1 μ F,50V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C384	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C385	VCTYMN1CY103K	J	AA	0.01 μ F,16V
C386	VCKYMN1HB331K	J	AA	330 pF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C390	VCKYMN1HB101K	J	AA	100 pF,50V
C391	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C392	VCKYMN1HB102K	J	AA	0.001 μ F,50V
C393	RC-GZA225AF1H	J	AB	2.2 μ F,50V,Electrolytic
C394	RC-GZA476AF1C	J	AB	47 μ F,16V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C396	RC-GZA107AF1A	J	AB	100 μ F,10V,Electrolytic
C397	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C398	RC-GZA107AF1A	J	AB	100 μ F,10V,Electrolytic
C399	VCTYMN1EF223Z	J	AA	0.022 μ F,25V
C451,452	RC-GZA475AF1E	J	AB	4.7 μ F,25V,Electrolytic
C453,454	RC-GZA225AF1H	J	AB	2.2 μ F,50V,Electrolytic
C456,457	RC-GZA107AF1C	J	AB	100 μ F,16V,Electrolytic
C458	RC-QZA473AFYJ	J	AB	0.047 μ F,50V,Mylar
C460	RC-GZA474AF1H	J	AA	0.47 μ F,50V,Electrolytic
C461	VCTYMN1CX472K	J	AA	0.0047 μ F,16V
C462	RC-QZA224AFYJ	J	AB	0.22 μ F,50V,Mylar
C463	RC-QZA683AFYJ	J	AB	0.068 μ F,50V,Mylar
C464	RC-QZA223AFYJ	J	AB	0.022 μ F,50V,Mylar

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NO.	PART CODE	★ PRICE RANK	DESCRIPTION
C465	RC-GZA474AF1H	J AA	0.47 μ F,50V,Electrolytic
C466	RC-QZA682AFYJ	J AA	0.0068 μ F,50V,Mylar
C467	RC-GZA474AF1H	J AA	0.47 μ F,50V,Electrolytic
C468	RC-QZA182AFYJ	J AB	0.0018 μ F,50V,Mylar
C469	RC-QZA224AFYJ	J AB	0.22 μ F,50V,Mylar
C470	VCKYPA1HB331K	J AA	330 pF,50V
C471	RC-GZA107AF1C	J AB	100 μ F,16V,Electrolytic
C472	RC-GZA334AF1H	J AA	0.33 μ F,50V,Electrolytic
C473,474	RC-GZA474AF1H	J AA	0.47 μ F,50V,Electrolytic
C475	RC-QZA224AFYJ	J AB	0.22 μ F,50V,Mylar
C476	VCTYMN1EF223Z	J AA	0.022 μ F,25V
C501~508	RC-GZA105AF1H	J AB	1 μ F,50V,Electrolytic
C507,508	RC-GZA226AF1E	J AB	22 μ F,25V,Electrolytic
C509,510	RC-GZA105AF1H	J AB	1 μ F,50V,Electrolytic
C511,512	VCKYMN1HB181K	J AA	180 pF,50V
C513,514	RC-QZA184AFYJ	J AC	0.18 μ F,50V,Mylar
C515,516	RC-QZA683AFYJ	J AB	0.068 μ F,50V,Mylar
C517,518	RC-QZA104AFYJ	J AC	0.1 μ F,50V,Mylar
C519~522	RC-GZA224AF1H	J AA	0.22 μ F,50V,Electrolytic
C523,524	RC-QZA333AFYJ	J AB	0.033 μ F,50V,Mylar
C525,526	RC-QZA153AFYJ	J AB	0.015 μ F,50V,Mylar
C527,528	RC-QZA222AFYJ	J AB	0.0022 μ F,50V,Mylar
C529,530	VCTYMN1CX472K	J AA	0.0047 μ F,16V
C531,532	VCKYMN1HB101K	J AA	100 pF,50V
C533,534	RC-GZA105AF1H	J AB	1 μ F,50V,Electrolytic
C535,536	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C537,538	RC-GZA476AF1C	J AB	47 μ F,16V,Electrolytic
C550	RC-GZA476AF1C	J AB	47 μ F,16V,Electrolytic
C551	RC-GZA107AF1C	J AB	100 μ F,16V,Electrolytic
C552	RC-QZA473AFYJ	J AB	0.047 μ F,50V,Mylar
C553	VCTYPA1CX223K	J AA	0.022 μ F,16V
C554,555	VCTYMN1CX682K	J AA	0.0068 μ F,16V
C556	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C557,558	VCTYMN1CX822K	J AA	8200 pF,16V
C559	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C560,561	VCTYMN1CX272K	J AA	0.0027 μ F,16V
C562	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C563,564	VCKYMN1HB681K	J AA	680 pF,50V
C565	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C566,567	VCKYMN1HB271K	J AA	270 pF,50V
C568	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C569,570	VCKZPA1HF223Z	J AA	0.022 μ F,50V
C571	VCTYMN1EF223Z	J AA	0.022 μ F,25V
C573,574	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C681,682	VCKYMN1HB331K	J AA	330 pF,50V
C683,684	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C685,686	VCKYMN1HB181K	J AA	180 pF,50V
C687,688	VCCSMN1HL470J	J AA	47 pF,50V
C689,690	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C691,692	VCKYMN1HB391K	J AA	390 pF,50V
C696,697	VCTYMN1EF223Z	J AA	0.022 μ F,25V
C698	VCKZPA1HF223Z	J AA	0.022 μ F,50V
C699	RC-GZA475AF1H	J AB	4.7 μ F,50V,Electrolytic
C701	VCTYBT1EF223Z	J AA	0.022 μ F,25V
C702	RC-GZA227AF1A	J AB	220 μ F,10V,Electrolytic
C703	VCKYBT1HB151K	J AA	150 pF,50V
C704	RC-GZA227AF1A	J AB	220 μ F,10V,Electrolytic
C705	VCKZPA1HF223Z	J AA	0.022 μ F,50V
C706~708	VCKYBT1HB151K	J AA	150 pF,50V
C709	VCTYBT1EF223Z	J AA	0.022 μ F,25V
C711	VCTYBT1EF223Z	J AA	0.022 μ F,25V
C713	VCKYBT1HB151K	J AA	150 pF,50V
C714	RC-GZA476AF1C	J AB	47 μ F,16V,Electrolytic
C715	VCTYBT1EF223Z	J AA	0.022 μ F,25V
C716	RC-GZA107AF0J	J AB	100 μ F,6.3V,Electrolytic
C717~719	VCKYBT1HB151K	J AA	150 pF,50V
C720	RC-GZA476AF1C	J AB	47 μ F,16V,Electrolytic
C721~723	RC-GZA105AF1H	J AB	1 μ F,50V,Electrolytic
C724	RC-GZA476AF1C	J AB	47 μ F,16V,Electrolytic
C725	VCTYBT1EF223Z	J AA	0.022 μ F,25V
C726	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C728~730	VCKYBT1HB151K	J AA	150 pF,50V
C732~734	VCKYBT1HB151K	J AA	150 pF,50V
C801~804	RC-QZA473AFYJ	J AB	0.047 μ F,50V,Mylar
C805,806	RC-GZA476AF1H	J AB	47 μ F,50V,Electrolytic
C807	RC-GZA107AF1V	J AB	100 μ F,35V,Electrolytic
C808~810	RC-GZA107AF1H	J AC	100 μ F,50V,Electrolytic
C811	RC-GZA476AF1J	J AC	47 μ F,63V,Electrolytic
C820	VCTYMN1EF223Z	J AA	0.022 μ F,25V
C821	RC-GZA476AF1E	J AB	47 μ F,25V,Electrolytic
C822	RC-GZA226AF1E	J AB	22 μ F,25V,Electrolytic
C823	VCTYMN1EF223Z	J AA	0.022 μ F,25V

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
C824,825	RC-GZA476AF1E	J AB	47 μ F,25V,Electrolytic
C826	VCTYBT1EF223Z	J AA	0.022 μ F,25V
C827	RC-GZA476AF1E	J AB	47 μ F,25V,Electrolytic
C830	RC-GZW478AF1E	J AG	4700 μ F,25V,Electrolytic
C831	VCKZPA1HF223Z	J AA	0.022 μ F,50V
C832	RC-GZA226AF1E	J AB	22 μ F,25V,Electrolytic
C833	RC-GZA476AF1E	J AB	47 μ F,25V,Electrolytic
C901,902	RC-GZA106AF1C	J AB	10 μ F,16V,Electrolytic
C903,904	VCKYMN1HB102K	J AA	0.001 μ F,50V
C905~908	RC-GZA225AF1H	J AB	2.2 μ F,50V,Electrolytic
C909,910	VCCSPA1HL471J	J AA	470 pF,50V
C911	VCCSPA1HL470J	J AA	47 pF,50V
C912	VCCSBT1HL470J	J AA	47 pF,50V
C913,914	VCCSPA1HL150J	J AA	15 pF,50V
C915,916	RC-GZA107AF1V	J AB	100 μ F,35V,Electrolytic
C917,918	VCKZPA1HF223Z	J AA	0.022 μ F,50V
C921~924	RC-QZA104AFYJ	J AC	0.1 μ F,50V,Mylar
C935,936	RC-GZA476AF1H	J AB	47 μ F,50V,Electrolytic
C937,938	VCCSPA1HL101J	J AA	100 pF,50V
C939,940	RC-QZA104AFYJ	J AC	0.1 μ F,50V,Mylar
C941,942	RC-QZA154AFYJ	J AB	0.15 μ F,50V,Mylar
C945,946	VCKYMN1HB331K	J AA	330 pF,50V
C947,948	VCTYMN1EF223Z	J AA	0.022 μ F,25V
C989	RC-GZA476AF1E	J AB	47 μ F,25V,Electrolytic
C990	VCKZPA1HF223Z	J AA	0.022 μ F,50V
C991,992	RC-GZA476AF1H	J AB	47 μ F,50V,Electrolytic
C993	RC-GZA106AF1H	J AB	10 μ F,50V,Electrolytic
C994	RC-GZA107AF1V	J AB	100 μ F,35V,Electrolytic
C995,996	RC-EZ1632AFZZ	J AL	4700 μ F,50V,Electrolytic
C997	RC-GZA476AF1H	J AB	47 μ F,50V,Electrolytic
CM1	RC-GZA476AF1C	J AB	47 μ F,16V,Electrolytic
CT1	VCCCMN1HH180J	J AA	18 pF (CH),50V
CT2	VCTYMN1CY103K	J AA	0.01 μ F,16V
CT3	VCCSMN1HL4R7C	J AA	4.7 pF,50V
CT4	VCKYMN1HB102K	J AA	0.001 μ F,50V
CT5	VCCUMN1HJ6R8D	J AB	6.8 pF (UJ),50V
CT6	VCTYMN1EF223Z	J AA	0.022 μ F,25V
CT7	VCKYMN1HB102K	J AA	0.001 μ F,50V
CT8,9	VCTYMN1CX472K	J AA	0.0047 μ F,16V
CT10	VCTYMN1EF223Z	J AA	0.022 μ F,25V
CT11	VCCCMN1HH150J	J AA	15 pF (CH),50V
CT12	VCCSMN1HL330J	J AA	33 pF,50V
CT13	VCCUMN1HJ3R9K	J AA	3.9 pF (UJ),50V
CT14	VCCCMN1HH220J	J AA	22 pF (CH),50V
CT15	VCTYMN1EF223Z	J AA	0.022 μ F,25V
CT16	RC-GZA106AF1C	J AB	10 μ F,16V,Electrolytic

RESISTORS

VRD-MN2BD000C	J AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
R1	J AA	1 kohm,1/8W
R2	J AA	100 kohm,1/8W
R3	J AA	15 kohms,1/8W
R4	J AA	2.2 kohms,1/8W
R5	J AA	6.8 kohms,1/6W
R6	J AA	100 ohm,1/8W
R7	J AA	1 kohm,1/8W
R8	J AA	12 kohms,1/8W
R9	J AA	27 kohms,1/8W
R10	J AA	82 kohms,1/6W
R11	J AA	3.3 kohms,1/8W
R12	J AA	15 kohms,1/8W
R13	J AA	33 kohms,1/8W
R14	J AA	10 kohm,1/8W
R15	J AA	47 kohms,1/8W
R16	J AA	1.5 kohms,1/8W
R17	J AA	82 kohms,1/8W
R18	J AA	3.3 Mohms,1/6W
R19	J AA	39 kohms,1/8W
R20	J AA	10 kohm,1/8W
R21	J AA	56 kohms,1/8W
R22	J AA	6.8 kohms,1/8W
R23	J AA	1.2 kohms,1/8W
R24	J AA	10 kohm,1/8W
R25	J AA	1.2 kohms,1/8W
R26,27	J AA	220 kohms,1/8W
R28,29	J AA	1 kohm,1/6W
R32	J AA	56 kohms,1/8W
R33	J AA	5.6 kohms,1/8W
R34	J AA	1 kohm,1/8W
R35	J AA	470 ohms,1/8W
R36,37	J AA	47 kohms,1/8W

NO.	PART CODE	★ PRICE RANK	DESCRIPTION
R38	VRD-MN2BD333J	J AA	33 kohms, 1/8W
R39,40	VRD-MN2BD223J	J AA	22 kohms, 1/8W
R41	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W
R43	VRD-ST2CD220J	J AA	22 ohms, 1/6W
R44	VRD-ST2CD561J	J AA	560 ohms, 1/6W
R48	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R49	VRD-ST2CD104J	J AA	100 kohm, 1/6W
R52	VRD-MN2BD221J	J AA	220 ohms, 1/8W
R54	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R56	VRD-MN2BD122J	J AA	1.2 kohms, 1/8W
R57	VRD-MN2BD273J	J AA	27 kohms, 1/8W
R58	VRD-ST2CD681J	J AA	680 ohms, 1/6W
R60	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R61-64	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R65-70	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R71,72	VRD-ST2CD472J	J AA	4.7 kohms, 1/6W
R73,74	VRD-MN2BD562J	J AA	5.6 kohms, 1/8W
R75,76	VRD-MN2BD152J	J AA	1.5 kohms, 1/8W
R77	VRD-MN2BD682J	J AA	6.8 kohms, 1/8W
R78-80	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R81	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W
R83-86	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R87	VRD-MN2BD331J	J AA	330 ohms, 1/8W
R88	VRD-ST2CD561J	J AA	560 ohms, 1/6W
R89	VRD-MN2BD220J	J AA	22 ohms, 1/8W
R90	VRD-ST2EE221J	J AA	220 ohms, 1/4W
R91	VRD-MN2BD682J	J AA	6.8 kohms, 1/8W
R92	VRD-MN2BD392J	J AA	3.9 kohms, 1/8W
R93	VRD-MN2BD682J	J AA	6.8 kohms, 1/8W
R94	VRD-ST2EE3R9J	J AA	3.9 ohms, 1/4W
R97	VRD-ST2CD122J	J AA	1.2 kohms, 1/6W
R98	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W
R99	VRD-ST2EE220J	J AA	22 ohms, 1/4W
R101,102	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R103,104	VRD-MN2BD222J	J AA	2.2 kohms, 1/8W
R105,106	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W
R107,108	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R109	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R110	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R111,112	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R113-115	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R117,118	VRD-ST2CD102J	J AA	1 kohm, 1/6W
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
R127	VRD-ST2CD822J	J AA	8.2 kohms, 1/6W
R128	VRD-MN2BD822J	J AA	8.2 kohms, 1/8W
R129	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R130	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R131,132	VRD-MN2BD333J	J AA	33 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-ST2CD682J	J AA	6.8 kohms, 1/6W
R139,140	VRD-MN2BD561J	J AA	560 ohms, 1/8W
R141,142	VRD-MN2BD820J	J AA	82 ohms, 1/8W
R143	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R145	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R146	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R147-150	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R152	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R153	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R154	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R155,156	VRD-MN2BD333J	J AA	33 kohms, 1/8W
R157	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W
R158	VRD-ST2EE471J	J AA	470 ohms, 1/4W
R160	VRD-ST2CD331J	J AA	330 ohms, 1/6W
R161	VRD-ST2CD271J	J AA	270 ohms, 1/6W
R162	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W
R163	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R164	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W
R165	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R166	VRD-MN2BD273J	J AA	27 kohms, 1/8W
R167	VRD-MN2BD473J	J AA	47 kohms, 1/8W
R168	VRD-MN2BD477J	J AA	4.7 ohms, 1/8W
R172,173	VRD-ST2CD473J	J AA	47 kohms, 1/6W
R174,175	VRD-MN2BD273J	J AA	27 kohms, 1/8W
R181	VRD-ST2CD472J	J AA	4.7 kohms, 1/6W
R185,186	VRD-ST2CD820J	J AA	82 ohms, 1/6W
R189	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R190	VRD-MN2BD102J	J AA	1 kohm, 1/8W

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
R201	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R202	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R203	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R204-206	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R207-219	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R220,221	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R222-227	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R230	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R231-233	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R234	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R235-237	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R238-243	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R244,245	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R246	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R247,248	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R249,250	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R251,252	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R253	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R254,255	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R256	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R257-265	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R266	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R267	VRD-MN2BD473J	J AA	47 kohms, 1/8W
R268	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W
R269,270	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R271	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R272	VRD-MN2BD820J	J AA	82 ohms, 1/8W
R273	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R274	VRD-MN2BD101J	J AA	100 ohm, 1/8W
R275	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R276	VRD-MN2BD151J	J AA	150 ohms, 1/8W
R278,279	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R280	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R281	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R282	VRD-MN2BD151J	J AA	150 ohms, 1/8W
R283	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R284-286	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R287	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R288-292	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R293,294	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R295	VRD-ST2CD473J	J AA	47 kohms, 1/6W
R296-298	VRD-MN2BD473J	J AA	47 kohms, 1/8W
R299	VRD-ST2CD473J	J AA	47 kohms, 1/6W
R302	VRD-ST2CD820J	J AA	82 ohms, 1/6W
R319	VRD-ST2CD104J	J AA	100 kohm, 1/6W
R323	VRD-MN2BD683J	J AA	68 kohms, 1/8W
R324	VRD-MN2BD104J	J AA	100 kohm, 1/8W
R350	VRD-MN2BD272J	J AA	2.7 kohms, 1/8W
R351	VRD-MN2BD562J	J AA	5.6 kohms, 1/8W
R352	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R353	VRD-MN2BD271J	J AA	270 ohms, 1/8W
R354	VRD-ST2CD392J	J AA	3.9 kohms, 1/6W
R355	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W
R356	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R357	VRD-ST2CD474J	J AA	470 kohms, 1/6W
R358	VRD-MN2BD822J	J AA	8.2 kohms, 1/8W
R359	VRD-MN2BD182J	J AA	1.8 kohms, 1/8W
R360	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W
R361	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W
R362	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W
R363,364	VRD-MN2BD222J	J AA	2.2 kohms, 1/8W
R365,366	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R367	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R368	VRD-ST2CD333J	J AA	33 kohms, 1/6W
R371-374	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R376	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R377	VRD-ST2CD473J	J AA	47 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-MN2BD103J	J AA	10 kohm, 1/8W
R382	VRD-ST2EE151J	J AA	150 ohms, 1/4W
R383-385	VRD-MN2BD562J	J AA	5.6 kohms, 1/8W
R387	VRD-MN2BD223J	J AA	22 kohms, 1/8W
R391,392	VRD-ST2EE391J	J AA	390 ohms, 1/4W
R393	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R395	VRD-ST2CD473J	J AA	47 kohms, 1/6W
R449	VRD-ST2CD152J	J AA	1.5 kohms, 1/6W
R451	VRD-MN2BD103J	J AA	10 kohm, 1/8W
R452	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W
R453	VRD-MN2BD222J	J AA	2.2 kohms, 1/8W
R454	VRD-ST2CD222J	J AA	2.2 kohms, 1/6W
R455	VRD-ST2CD392J	J AA	3.9 kohms, 1/6W

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NO.	PART CODE	★ PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
R456	VRD-MN2BD392J	J AA	3.9 kohms, 1/8W	R728,729	VRD-ST2CD821J	J AA	820 ohms, 1/6W
R457,458	VRD-ST2CD123J	J AA	12 kohms, 1/6W	R730~732	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R465~468	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R734	VRD-ST2CD821J	J AA	820 ohms, 1/6W
R470	VRD-MN2BD103J	J AA	10 kohm, 1/8W	R735,736	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R473,474	VRD-MN2BD103J	J AA	10 kohm, 1/8W	R737~742	VRD-RT2HD101J	J AA	100 ohm, 1/2W
R475	VRD-ST2CD222J	J AA	2.2 kohms, 1/6W	R743	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R478	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R744	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R479	VRD-MN2BD223J	J AA	22 kohms, 1/8W	R745~747	VRD-ST2CD821J	J AA	820 ohms, 1/6W
R480	VRD-MN2BD473J	J AA	47 kohms, 1/8W	R750,751	VRD-ST2CD104J	J AA	100 kohm, 1/6W
R481	VRD-MN2BD392J	J AA	3.9 kohms, 1/8W	R752~754	VRD-ST2CD681J	J AA	680 ohms, 1/6W
R482	VRD-ST2CD333J	J AA	33 kohms, 1/6W	R756~758	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R483	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R760~762	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R484	VRD-MN2BD152J	J AA	1.5 kohms, 1/8W	R765	VRD-ST2CD152J	J AA	1.5 kohms, 1/6W
R487	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R766	VRD-ST2CD182J	J AA	1.8 kohms, 1/6W
R488	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W	R767	VRD-ST2CD272J	J AA	2.7 kohms, 1/6W
R490	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W	R772	VRD-ST2CD152J	J AA	1.5 kohms, 1/6W
R491	VRD-MN2BD152J	J AA	1.5 kohms, 1/8W	R773	VRD-ST2CD182J	J AA	1.8 kohms, 1/6W
R492	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W	R774	VRD-ST2CD272J	J AA	2.7 kohms, 1/6W
R493	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R775	VRD-ST2CD392J	J AA	3.9 kohms, 1/6W
R494	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R776	VRD-ST2CD682J	J AA	6.8 kohms, 1/6W
R495	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R777	VRD-ST2CD123J	J AA	12 kohms, 1/6W
R497	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R778	VRD-ST2CD393J	J AA	39 kohms, 1/6W
R498	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W	R779	VRD-ST2CD152J	J AA	1.5 kohms, 1/6W
R499	VRD-MN2BD152J	J AA	1.5 kohms, 1/8W	R780	VRD-ST2CD182J	J AA	1.8 kohms, 1/6W
R500	VRD-MN2BD682J	J AA	6.8 kohms, 1/8W	R781	VRD-ST2CD272J	J AA	2.7 kohms, 1/6W
R501	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R782	VRD-ST2CD392J	J AA	3.9 kohms, 1/6W
R502	VRD-ST2CD102J	J AA	1 kohm, 1/6W	R783	VRD-ST2CD682J	J AA	6.8 kohms, 1/6W
R503~508	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R784	VRD-ST2CD123J	J AA	12 kohms, 1/6W
R509,510	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W	R785	VRD-ST2CD393J	J AA	39 kohms, 1/6W
R511,512	VRD-MN2BD153J	J AA	15 kohms, 1/8W	R792	VRD-ST2CD152J	J AA	1.5 kohms, 1/6W
R513	VRD-ST2CD474J	J AA	470 kohms, 1/6W	R793	VRD-ST2CD182J	J AA	1.8 kohms, 1/6W
R514	VRD-MN2BD474J	J AA	470 kohms, 1/8W	R794	VRD-ST2CD272J	J AA	2.7 kohms, 1/6W
R515,516	VRD-ST2CD102J	J AA	1 kohm, 1/6W	R795	VRD-ST2CD392J	J AA	3.9 kohms, 1/6W
R521	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R796	VRD-ST2CD152J	J AA	1.5 kohms, 1/6W
R522	VRD-ST2CD102J	J AA	1 kohm, 1/6W	R797	VRD-ST2CD182J	J AA	1.8 kohms, 1/6W
R525	VRD-ST2CD123J	J AA	12 kohms, 1/6W	R798	VRD-ST2CD272J	J AA	2.7 kohms, 1/6W
R526	VRD-MN2BD123J	J AA	12 kohms, 1/8W	R799	VRD-ST2CD392J	J AA	3.9 kohms, 1/6W
R550~552	VRD-ST2CD102J	J AA	1 kohm, 1/6W	R801	VRD-ST2CD123J	J AA	12 kohms, 1/6W
R553	VRD-ST2CD153J	J AA	15 kohms, 1/6W	R802,803	VRD-ST2EE221J	J AA	220 ohms, 1/4W
R554	VRD-ST2CD564J	J AA	560 kohms, 1/6W	R806	VRD-ST2CD101J	J AA	100 ohm, 1/6W
R555	VRD-MN2BD274J	J AA	270 kohms, 1/8W	R807	VRD-ST2CD222J	J AA	2.2 kohms, 1/6W
R556	VRD-ST2CD563J	J AA	56 kohms, 1/6W	R820	VRD-ST2CD470J	J AA	47 ohms, 1/6W
R557	VRD-MN2BD474J	J AA	470 kohms, 1/8W	R822	VRD-ST2EE561J	J AA	560 ohms, 1/4W
R558	VRD-ST2CD104J	J AA	100 kohm, 1/6W	R823	VRD-ST2CD470J	J AA	47 ohms, 1/6W
R559,560	VRD-MN2BD225J	J AA	2.2 Mohms, 1/8W	R824	VRD-ST2EE470J	J AA	47 ohms, 1/4W
R561	VRD-ST2CD104J	J AA	100 kohm, 1/6W	R825	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R562	VRD-MN2BD183J	J AA	18 kohms, 1/8W	R826	VRD-ST2EE561J	J AA	560 ohms, 1/4W
R563	VRD-ST2CD223J	J AA	22 kohms, 1/6W	△ R827	VRG-ST2EC220J	J AB	22 ohms, 1/4W, Fusible
R564	VRD-MN2BD684J	J AA	680 kohms, 1/8W	R828	VRD-ST2EE101J	J AA	100 ohm, 1/4W
R565	VRD-ST2CD224J	J AA	220 kohms, 1/6W	R829	VRD-ST2EE152J	J AA	1.5 kohms, 1/4W
R566	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R831	VRD-MN2BD223J	J AA	22 kohms, 1/8W
R567	VRD-MN2BD123J	J AA	12 kohms, 1/8W	R834	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R568	VRD-MN2BD683J	J AA	68 kohms, 1/8W	R835	VRD-MN2BD333J	J AA	33 kohms, 1/8W
R569	VRD-MN2BD394J	J AA	390 kohms, 1/8W	R836	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R570	VRD-MN2BD224J	J AA	220 kohms, 1/8W	R901,902	VRD-ST2CD272J	J AA	2.7 kohms, 1/6W
R571	VRD-ST2CD104J	J AA	100 kohm, 1/6W	R903,904	VRD-MN2BD222J	J AA	2.2 kohms, 1/8W
R572	VRD-MN2BD474J	J AA	470 kohms, 1/8W	R905,906	VRD-ST2CD562J	J AA	5.6 kohms, 1/6W
R573	VRD-MN2BD123J	J AA	12 kohms, 1/8W	R907,908	VRD-ST2CD563J	J AA	56 kohms, 1/6W
R574	VRD-MN2BD393J	J AA	39 kohms, 1/8W	R909,910	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R575	VRD-MN2BD224J	J AA	220 kohms, 1/8W	R911,912	VRD-ST2CD563J	J AA	56 kohms, 1/6W
R576	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R913,914	VRD-ST2CD471J	J AA	470 ohms, 1/6W
R577	VRD-MN2BD394J	J AA	390 kohms, 1/8W	R915,916	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R578	VRD-ST2CD103J	J AA	10 kohm, 1/6W	R917,918	VRD-ST2EE222J	J AA	2.2 kohms, 1/4W
R579	VRD-MN2BD333J	J AA	33 kohms, 1/8W	R919,920	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R580	VRD-MN2BD224J	J AA	220 kohms, 1/8W	R921~924	VRS-VV3AAR20J	J AB	0.2 ohms, 1W
R581	VRD-ST2CD104J	J AA	100 kohm, 1/6W	R925,926	VRD-ST2CD563J	J AA	56 kohms, 1/6W
R582	VRD-ST2EE331J	J AA	330 ohms, 1/4W	R927,928	VRD-ST2EE4R7J	J AA	4.7 ohms, 1/4W
R681,682	VRD-MN2BD102J	J AA	1 kohm, 1/8W	R933~936	VRD-RT2HD181J	J AA	180 ohms, 1/2W
R683,684	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R937,938	VRD-ST2EE222J	J AA	2.2 kohms, 1/4W
R685,686	VRD-MN2BD123J	J AA	12 kohms, 1/8W	R939,940	VRD-ST2CD102J	J AA	1 kohm, 1/6W
R687,688	VRD-MN2BD152J	J AA	1.5 kohms, 1/8W	R941,942	VRD-MN2BD123J	J AA	12 kohms, 1/8W
R689,690	VRD-MN2BD104J	J AA	100 kohm, 1/8W	R943,944	VRD-MN2BD104J	J AA	100 kohm, 1/8W
R691	VRD-ST2CD472J	J AA	4.7 kohms, 1/6W	R945,946	VRD-MN2BD222J	J AA	2.2 kohms, 1/8W
R692	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W	R947,948	VRD-MN2BD682J	J AA	6.8 kohms, 1/8W
R693,694	VRD-MN2BD273J	J AA	27 kohms, 1/8W	R953,954	VRD-MN2BD102J	J AA	1 kohm, 1/8W
R695,696	VRD-MN2BD182J	J AA	1.8 kohms, 1/8W	R985	VRS-VV3DA821J	J AC	820 ohms, 2W
R697,698	VRD-MN2BD153J	J AA	15 kohms, 1/8W	R986	VRD-RT2HD102J	J AA	1 kohm, 1/2W
R699	VRD-MN2BD473J	J AA	47 kohms, 1/8W	△ R987	VRG-ST2EC101J	J AB	100 ohm, 1/4W, Fusible
R701~703	VRD-ST2CD821J	J AA	820 ohms, 1/6W	R988	VRD-ST2CD103J	J AA	10 kohm, 1/6W
R704~715	VRD-ST2CD102J	J AA	1 kohm, 1/6W	R989	VRD-ST2CD154J	J AA	150 kohms, 1/6W
R717~719	VRD-ST2CD102J	J AA	1 kohm, 1/6W	R990	VRD-ST2CD224J	J AA	220 kohms, 1/6W
R723~727	VRD-ST2CD102J	J AA	1 kohm, 1/6W	R991	VRD-RT2HD102J	J AA	1 kohm, 1/2W

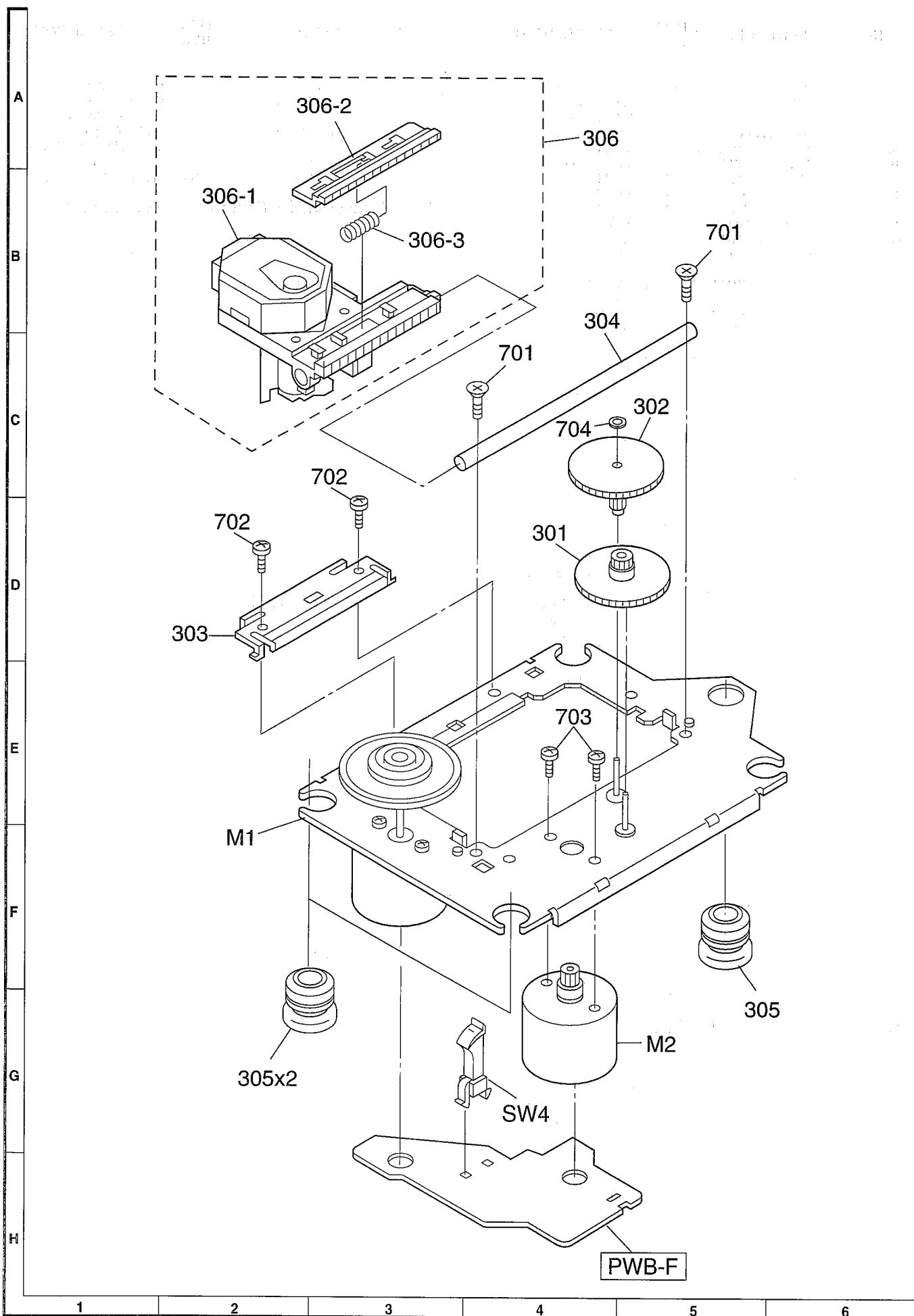
NO.	PART CODE	★ PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
R992	VRD-ST2CD393J	J AA	39 kohms, 1/6W	J901	QJAKM0004AWZZ	J AK	Jack, Headphones
△ R993	VRG-ST2EC101J	J AB	100 ohm, 1/4W, Fusible	M1	92LMTR1858CASY	J AS	Motor with Chassis [Spin]
R994	VRD-ST2CD391J	J AA	390 ohms, 1/6W	M1F	92LMTR2300A1AS	J AY	Motor with Pulley [Tape]
R995	VRD-ST2CD223J	J AA	22 kohms, 1/6W	M2	92LMTR1854BASY	J AP	Motor with Gear [Slide]
R996	VRD-ST2CD473J	J AA	47 kohms, 1/6W	M3	92LMTR2037AS2	J AP	Motor with Gear [Loading]
R997	VRD-ST2CD332J	J AA	3.3 kohms, 1/6W	M4	92LMTR2037AS1	J AP	Motor with Worm Pulley [Select]
R998	VRD-ST2CD563J	J AA	56 kohms, 1/6W	PHM1,2	VHPI31535CD-1	J AG	Photo Interrupter
RD1	VRD-ST2CD473J	J AA	47 kohms, 1/6W	RL901	RRLYD0004AWZZ	J AP	Relay
RD2	VRD-ST2CD222J	J AA	2.2 kohms, 1/6W	RM701	VHLSPS4201C-1	J AN	Remote Sensor
RD3	VRD-ST2CD103J	J AA	10 kohm, 1/6W	SO301	QTANC0301AWZZ	J AH	Antenna Terminal
RD4	VRD-ST2CD682J	J AA	6.8 kohms, 1/6W	SO901	QTANA0404AWZZ	J AF	Terminal, Speaker
RD5	VRD-ST2CD123J	J AA	12 kohms, 1/6W	SOL1,2	RPLU-0250AFZZ	J AG	Solenoid
RD6	VRD-ST2CD104J	J AA	100 kohm, 1/6W	SW1	QSW-P0001AWZZ	J AE	Switch, Push Type [Disc Number]
RM1	VRD-MN2BD272J	J AA	2.7 kohms, 1/8W	SW2	92LSWICH1749A	J AD	Switch, Skleton Type [Open/Close]
RM2	VRD-MN2BD562J	J AA	5.6 kohms, 1/8W	SW3	QSW-F0001AWZZ	J AD	Switch, Leaf Type [Mecha Up]
RM3	VRD-ST2CD333J	J AA	33 kohms, 1/6W	SW4	QSW-F9001AWZZ	J AE	Switch, Leaf Type [Pickup In]
RM4,5	VRD-ST2CD103J	J AA	10 kohm, 1/6W	SW202	QSW-S0012AWZZ	J AE	Switch, Slide Type [Span Selector]
RM6	VRD-MN2BD222J	J AA	2.2 kohms, 1/8W	SW704	QSW-K0003AWZZ	J AD	Switch, Key Type [POWER]
RM7,8	VRD-RT2HD100J	J AA	10 ohm, 1/2W	SW705	QSW-K0003AWZZ	J AD	Switch, Key Type [CLOCK]
RM9,10	VRD-ST2CD103J	J AA	10 kohm, 1/6W	SW706	QSW-K0003AWZZ	J AD	Switch, Key Type [SLEEP]
RM11,12	VRD-ST2CD222J	J AA	2.2 kohms, 1/6W	SW707	QSW-K0003AWZZ	J AD	Switch, Key Type [TIMER]
RM13	VRD-MN2BD103J	J AA	10 kohm, 1/8W	SW712	QSW-K0003AWZZ	J AD	Switch, Key Type [TUNING/TIME UP]
RM14	VRD-MN2BD472J	J AA	4.7 kohms, 1/8W	SW713	QSW-K0003AWZZ	J AD	Switch, Key Type [MEMORY/SET]
RM17	VRD-MN2BD332J	J AA	3.3 kohms, 1/8W	SW714	QSW-K0003AWZZ	J AD	Switch, Key Type [CD/TAPE/PTY.TP SELECT REVERSE PLAY]
RM18	VRD-ST2CD332J	J AA	3.3 kohms, 1/6W	SW715	QSW-K0003AWZZ	J AD	Switch, Key Type [CD/TAPE/PTY.TP SELECT PLAY/REPEAT]
RM19	VRD-MN2BD562J	J AA	5.6 kohms, 1/8W	SW716	QSW-K0003AWZZ	J AD	Switch, Key Type [STOP]
RM20,21	VRD-MN2BD103J	J AA	10 kohm, 1/8W	SW717	QSW-K0003AWZZ	J AD	Switch, Key Type [REVERSE MODE]
RM22	VRD-ST2CD103J	J AA	10 kohm, 1/6W	SW718	QSW-K0003AWZZ	J AD	Switch, Key Type [EDIT NORMAL]
RM23	VRD-MN2BD222J	J AA	2.2 kohms, 1/8W	SW719	QSW-K0003AWZZ	J AD	Switch, Key Type [EDIT HIGH]
RM24	VRD-ST2CD222J	J AA	2.2 kohms, 1/6W	SW720	QSW-K0003AWZZ	J AD	Switch, Key Type [TUNING/TIME DOWN]
RT1	VRD-MN2BD104J	J AA	100 kohm, 1/8W	SW721	QSW-K0003AWZZ	J AD	Switch, Key Type [CD]
RT2	VRD-MN2BD333J	J AA	33 kohms, 1/8W	SW722	QSW-K0003AWZZ	J AD	Switch, Key Type [TUNER/BAND]
RT3	VRD-ST2CD220J	J AA	22 ohms, 1/6W	SW723	QSW-K0003AWZZ	J AD	Switch, Key Type [TAPE]
RT4	VRD-MN2BD470J	J AA	47 ohms, 1/8W	SW724	QSW-K0003AWZZ	J AD	Switch, Key Type [VIDEO/AUX.]
RT5	VRD-MN2BD473J	J AA	47 kohms, 1/8W	SW725	QSW-K0003AWZZ	J AD	Switch, Key Type [TRACK DOWN/REVIEW/ PRESET DOWN]
RT6	VRD-MN2BD100J	J AA	10 ohm, 1/8W	SW726	QSW-K0003AWZZ	J AD	Switch, Key Type [TRACK UP/CUE/PRESET UP]
RT7	VRD-MN2BD681J	J AA	680 ohms, 1/8W	SW727	QSW-K0003AWZZ	J AD	Switch, Key Type [REC PAUSE]
RT8	VRD-MN2BD103J	J AA	10 kohm, 1/8W	SW735	QSW-K0003AWZZ	J AD	Switch, Key Type [VOLUME UP]
RT9	VRD-ST2EE821J	J AA	820 ohms, 1/4W	SW736	QSW-K0003AWZZ	J AD	Switch, Key Type [VOLUME DOWN]
RT10	VRD-ST2CD472J	J AA	4.7 kohms, 1/6W	SW737	QSW-K0003AWZZ	J AD	Switch, Key Type [X-BASS]
OTHER CIRCUITRY PARTS				SW738	QSW-K0003AWZZ	J AD	Switch, Key Type [EQUALIZER]
BI99	QCNWN0723AWZZ	J AM	Connector Ass'y, 3Pin	SW739	QSW-K0003AWZZ	J AD	Switch, Key Type [SRS PASS]
BI803/CNS803	QCNWN0712AWZZ	J AK	Connector Ass'y,	SW740	QSW-K0003AWZZ	J AD	Switch, Key Type [OPEN/CLOSE]
CNP1	92LCONE5P53253	J AB	Plug, 5Pin	SW741	QSW-K0003AWZZ	J AD	Switch, Key Type [DISC SKIP]
CNP2	92LCONE8P53253	J AC	Plug, 8Pin	SW742	QSW-K0003AWZZ	J AD	Switch, Key Type [DISC 3]
CNP3	92LCONE6P53253	J AC	Plug, 6Pin	SW743	QSW-K0003AWZZ	J AD	Switch, Key Type [DISC 2]
CNP3A	92LCONE6P53254	J AC	Plug, 6Pin	SW744	QSW-K0003AWZZ	J AD	Switch, Key Type [DISC 1]
CNP10	92LCONEBP53253	J AC	Plug, 11Pin	SW745	QSW-K0003AWZZ	J AD	Switch, Key Type [SRS ST]
CNP101	QCNCM742CAFZZ	J AC	Plug, 3Pin	SW746	QSW-K0003AWZZ	J AD	Switch, Key Type [3D SURROUND MONO]
CNP102	92LCONE7P53014	J AC	Plug, 7Pin	△ SW801	QSOCE0003AWZZ	J AP	Switch, Slide Type [Voltage Selector]
CNP201	QCNCWZS14AWZZ	J AG	Plug, 14Pin	SWE1	QSW-F9064AFZZ	J AC	Switch, Leaf Type [Tape 2 Side A FP]
CNP303	QCNCM010LAWZZ	J AC	Plug, 10Pin	SWE2	QSW-F9065AFZZ	J AC	Switch, Leaf Type [Tape 2 Side B FP]
CNP702	QCNCM010GAWZZ	J AC	Plug, 7Pin	SWE3	QSW-F9064AFZZ	J AC	Switch, Leaf Type [Tape 2 Side B FP]
CNP801	92LCONE6P5267X	J AC	Plug, 6Pin	SWE4	QSW-F9065AFZZ	J AC	Switch, Leaf Type [Tape 2 CrO2 Detection]
CNP903	92LCONE9P52287	J AC	Plug, 9Pin	SWE7	QSW-F9064AFZZ	J AC	Switch, Leaf Type [Type 1 CrO2 Detection]
CNPM1	92LCONEAP52287	J AE	Plug, 10Pin	SWE9	QSW-F9065AFZZ	J AC	Switch, Leaf Type [Type 1 Play]
CNPM2	92LCONE9P52287	J AC	Plug, 9Pin	WH701	QCNCW015FAWZZ	J AB	Socket, 6Pin
CNS1A/B	QCNWN0657AWZZ	J AL	Connector Ass'y, 5-5Pin				
CNS2A/B	QCNWN0658AWZZ	J AL	Connector Ass'y, 8-8Pin				
CNS3A/B	QCNWN0659AWZZ	J AH	Connector Ass'y, 6-6Pin				
CNS10/5	QCNWN0511AWZZ	J AL	Connector Ass'y, 11-2Pin				
CNS101	QCNWN0705AWZZ	J AM	Connector Ass'y, 3Pin				
CNS102	QCNWN0706AWZZ	J AW	Connector Ass'y, 7Pin				
CNS202	QCNCW010LAWZZ	J AD	Socket, 10Pin				
CNS701	QCNCMZS14AWZZ	J AG	Socket, 14Pin				
CNS702	QCNCW010GAWZZ	J J	Socket, 7Pin				
△ F801,802	92LFUSE-T502-E	J AD	Fuse, T5A L 250V				
△ F803	92LFUSE-T162-E	J AD	Fuse, T1.6A L 250V				
△ F820	92LFUSE-T501-E	J AD	Fuse, T500mA L 250V				
FL701	VVKFIP12A7R-1	J AW	FL Display				
FL702	VVKBJ406G/-1	J BD	DSP Display				
FW701	QCNWN0711AWZZ	J AG	Flat Cable, 6Pin				
FW901	QCNWN0709AWZZ	J AF	Flat Cable, 5Pin				
FW902	QCNWN0713AWZZ	J AF	Flat Cable, 3Pin				
FW903	QCNWN0710AWZZ	J AK	Flat Cable, 9Pin				
FWM1	QCNWN0707AWZZ	J AK	Flat Cable, 10Pin				
FWM2	QCNWN0708AWZZ	J AG	Flat Cable, 9Pin				
FWM3	92LM-CONE1676C	J AD	Flat Cable, 4Pin				
J681	QSOCJ0401AWZZ	J AH	Jack, AUDIO				
J682	QSOCJ0206AWZZ	J AE	Jack, VIDEO				

CD-C880X

NO.	PART CODE	★ PRICE RANK	DESCRIPTION
DECK MECHANISM PARTS			
1	92LM-ANG1676A	J AC	Bracket, Motor
2	LANGF1450AFFW	J AB	Bracket, Lock Lever
3	LBSHZ0107AF00	J AA	Bushing, Cord [Head]
4	LCHSM0856AF00	J AP	Main Chassis Ass'y
5	92LM-CHS1676B	J AM	Reel Base Ass'y
7	LDIH0112AFZZ	J AD	Head Base A
8	LHLD01077AFZZ	J AD	Holder, Metal Ass'y [FWD]
9	LHLD01078AFZZ	J AC	Holder, Metal Ass'y [REV]
10	LHLDW1075AFZZ	J AA	Nylon Band, 60mm
11	LPLTM0004AWZZ	J AD	Head Plate
12	LPLTM0280AFZZ	J AE	Head Attachment Plate Ass'y
15	MCAMP0121AFZZ	J AC	Cam, Drive
16	MLEVF2448AFZZ	J AC	Lever, Over Stroke Ass'y
17	MLEVF2449AFZZ	J AC	Pinch Roller Press Lever Ass'y
18	MLEVF2453AFFW	J AA	Lever, Lock Prevention
19	MLEVP0977AFZZ	J AA	Lever, Brake
20	MLEVP0978AFZZ	J AA	Cam, Trigger
21	MLEVP0979AFZZ	J AA	Lever, Eject Prevention
22	MLEVP0982AF00	J AA	Lever, Lock
23	MLEVP0987AFZZ	J AC	Playback Idler Lever Ass'y
24	MLEVP0039AWM1	J AG	F/R Idler Lever Ass'y
25	92LM-CSPR1676C	J AA	Spring, Solenoid
26	MSPRC0916AFFJ	J AA	Spring, Back Tension
27	MSPRD1217AFFJ	J AA	Spring, Over Stroke
28	MSPRD1218AFFJ	J AA	Spring, Brake
29	MSPRD1219AFFJ	J AA	Spring, Cam Trigger
30	MSPRD1220AFFJ	J AA	Spring, Head Selector
31	92LM-TSPR1676E	J AA	Spring, Pinch Roller Press [FWD]
32	92LM-TSPR1676F	J AA	Spring, Pinch Roller Press [REV]
33	MSPRD1223AFFJ	J AA	Spring, Pinch Roller Return [FWD]
34	MSPRD1224AFFJ	J AA	Spring, Pinch Roller Return [REV]
35	MSPRD1225AFFJ	J AA	Spring, Pinch Roller Press Lever
36	MSPRD1226AFFJ	J AA	Spring, Playback Idler Press
37	MSPRD1227AFFJ	J AA	Spring, F/R Idler
38	MSPRD1290AFFJ	J AA	Spring, Lock Lever
39	92LMCPFSPR719A	J AB	Plate Spring, Cassette Press
41	MSPRT1520AFFJ	J AA	Spring, GND
42	NBLTK0018AWZZ	J AE	Belt, Tape 1 Drive
43	NBLTK0513AFZZ	J AB	Belt, Tape 2 Drive
44	NBLTK0514AFZZ	J AA	Belt, Rewind/Fast Forward
45	NDAIR0335AF00	J AB	Reel Base
46	NDAIR0336AF00	J AA	Reel Base Cap
47	NFLYC0004AWM1	J AM	Flywheel Ass'y, Tape 1 [FWD]
48	NGERH0482AFZZ	J AF	Limit Gear Ass'y
49	NGERH0485AFZZ	J AA	Gear, Head
50	NGERH0486AFZZ	J AA	Gear, Head Selector
51	NGERH0487AFZZ	J AB	Gear, Playback
52	NGERH0488AFZZ	J AA	Gear, F/R
53	NGERH0489AFZZ	J AA	Gear, Sensor Ass'y
55	MLEVP0040AWM1	J AH	Pinch Roller Ass'y [FWD]
56	MLEVP0041AWM1	J AH	Pinch Roller Ass'y [REV]
57	92LM-RPH1746A	J AM	Head, Playback
58	RHEDK0001AWZZ	J AU	Head, Record/Playback/Erase
59	NFLYC0007AWM1	J AM	Flywheel Ass'y [REV]
60	MSPRD1282AFFJ	J AB	Spring, FF/REW Gear
61	MSPRD1283AFFJ	J AA	Spring, Sensor Gear
62	LDIH0001AWZZ	J AD	Head Base B
63	NFLYC0006AWM1	J AM	Flywheel Ass'y, Tape 2 [FWD]
64	LHLD01078AF00	J AC	Holder
101	92LS2S1676A	J AA	Screw, ø2x6mm
106	92L1R4S+5R5PZ	J AA	Screw, ø1.4x5.5mm
107	92LS2R6S1746A	J AA	Screw, ø2.6mm
108	XHBSD20P04000	J AA	Screw, ø2x4mm
109	XHBSD20P05000	J AA	Screw, ø2x5mm
111	XHBSD20P16000	J AA	Screw, ø2x16mm
113	LX-BZ0004AWFD	J AC	Screw, Lock Lever
503	92L1R5WC3R8R5P	J AA	Washer, ø1.5xø3.8x0.5mm
504	92L1R2WC4-R25P	J AA	Washer, ø1.2xø4x0.25mm
505	92L1R6WC3R4R5P	J AA	Washer, ø1.6xø3.4x0.5mm
506	92L1R8WC4-R5P	J AA	Washer, ø1.8xø4x0.5mm
513	92L2R3W4R4R25P	J AA	Washer, ø2.3xø4.4x0.5mm
M1F	92LMTR2300A1AS	J AY	Motor with Pulley [Tape]
SOL1,2	RPLU-Q250AFZZ	J AG	Solenoid
SWE1	QSW-F9064AFZZ	J AC	Switch, Leaf Type [Tape 2 Side A FP]
SWE2	QSW-F9065AFZZ	J AC	Switch, Leaf Type [Tape 2 Play]

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
SWE3	QSW-F9064AFZZ	J AC	Switch, Leaf Type [Tape 2 Side B FP]
SWE4	QSW-F9064AFZZ	J AC	Switch, Leaf Type [Tape 2 CrO ₂ Detection]
SWE7	QSW-F9064AFZZ	J AC	Switch, Leaf Type [Tape 1 CrO ₂ Detection]
SWE9	QSW-F9065AFZZ	J AC	Switch, Leaf Type [Tape 1 Play]
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	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 [Spin]
M2	92LMTR1854BASY	J AP	Motor with Gear [Slide]
SW4	QSW-F9001AWZZ	J AE	Switch, Leaf Type [Pickup In]
CABINET PARTS			
201	HPNLC1092AWSA	J AW	Front Panel
202	92LCUSN1746A	J AA	Cushion, Leg
203	LHLDX1009AWSA	J AK	Cassette Holder, Tape 1
204	LHLDX1010AWSA	J AK	Cassette Holder, Tape 2
205	HDECQ0113AWSA	J AL	Panel, Cassette, Tape 1
206	HDECQ0114AWSA	J AM	Panel, Cassette, Tape 2
207	92LPNL2367AS1	J AP	Amp. Panel Ass'y
207- 1	—	—	Amp. Panel (Not Replacement Item)
207- 2	92LBADGE1692A	J AC	Badge, SHARP
208	HDECQ0138AWSB	J AK	CD Top Panel
209	JKNBZ0220AWSA	J AK	Button, Disc Number
210	JKNBZ0257AWSA	J AE	Button, Function A
211	JKNBZ0258AWSA	J AE	Button, Function B
212	JKNBZ0222AWSA	J AE	Button, Memory/Tuning
213	JKNBZ0223AWSA	J AG	Button, Edit/Rec
214	JKNBZ0224AWSA	J AQ	Button, Operation A
215	JKNBZ0225AWSA	J AQ	Button, Operation B
216	HDECQ0135AWSA	J AG	SRS Panel
217	JKNBZ0259AWSA	J AK	Button, SRS
218	GCOVA1102AWSB	J AF	Cover, SRS A
219	GCOVA1108AWSB	J AF	Cover, SRS B
220	GCOVA1109AWSB	J AF	Cover, SRS C
221	JKNBK0029AWSA	J AF	Knob, Volume
222	MSPRD0049AWFJ	J AB	Spring, Volume Knob
223	MSPRD0071AWFJ	J AC	Spring, Cassette, Tape 1
224	MSPRD0072AWFJ	J AC	Spring, Cassette, Tape 2
225	MLIFP0003AWZZ	J AE	Damper
226	LCHSM0032AWFW	J AR	Main Chassis
△ 227	QACCA0001AW00	J AM	AC Power Supply Cord [For Saudi Arabia]
△ 227	QACCB0003AW00	J BA	AC Power Supply Cord [For Hong Kong]
△ 227	QACCE0003AW00	J AG	AC Power Supply Cord [Except for Australia/New Zealand/Taiwan/Saudi Arabia/Hong Kong]
△ 227	92LCORDA1387C	J AP	AC Power Supply Cord [For Australia/New Zealand]
△ 227	92LCORDT1699A	J AL	AC Power Supply Cord [For Taiwan]
228	LANGT0037AWFW	J AK	Bracket, PWB
229	GITAR0142AW00	J AQ	Back Board
230	LANGT0038AWFW	J AE	Bracket, Shield
231	LHLD01010AWZZ	J AC	Holder, PWB [Left]
232	LHLD01011AWZZ	J AC	Holder, PWB [Right]
233	PRDAR0048AWFW	J AQ	Heat Sink
234	PRDAR0035AWFW	J AQ	Heat Sink
235	PRDAR0049AWFW	J AK	Heat Sink
236	GCOVA1073AWSA	J AH	CD Tray Cover
237	GCAB-1041AWSA	J AX	Top Cabinet
238	92LN-BAND1318A	J AA	Nylon Band, 80mm

NO.	PART CODE	★ PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
239	GITAS0025AWSA	J AU	Side Panel,Left				Only]
240	GITAS0027AWSA	J AG	Sub Side Panel,Left	92LL-ANT1676A	J AK	AM Loop Antenna	
241	92LCUSN1746A	J AA	Cushion,Leg	92LPLUG027	J AD	AC Plug Adaptor	
242	GITAS0026AWSA	J AU	Side Panel,Right				[For Saudi Arabia]
243	GITAS0028AWSA	J AG	Sub Side Panel,Right	92LPLUG155A	J AG	AC Plug Adaptor	
244	LHLDZ1103AWZZ	J AE	Holder,FL				[Except for Saudi Arabia]
245	LHLDZ1118AWZZ	J AD	Holder,Color FL	RRMCG0070AWSA	J AZ	Remote Control	
246	LHLDZ1104AWZZ	J AD	Holder,LED	92LLID1810A	J AQ	Battery Lid,Remote Control	
247	LHLDZ1119AW09	J AD	Holder,SRS LED				
248	LHLDZ1105AWZZ	J AD	Holder,LED				
249	NTNT-0006AWSA	J AQ	Turntable				
250	GCAB-1027AWSA	J AR	CD Player Base				
251	92LHOLD2037AS1	J AK	Stabilizer Ass'y				
252	NROLP0004AWZZ	J AC	Roller,Turntable				
253	LCHSZ0005AWZZ	J AT	Loading Chassis				
254	LCHSZ0006AWZZ	J AL	Chassis,CD Mechanism				
255	MLEVP0031AWZZ	J AE	Lever,Shift				
256	LHLDZ1044AWZZ	J J	Support,Stabilizer				
257	LHLDZ1045AWZZ	J AC	Guide A				
258	LHLDZ1046AWZZ	J AC	Guide B				
259	MLEVP0032AWZZ	J AE	Lever Lock				
260	MSPRD0044AWFJ	J AB	Spring,Lock Lever				
261	NGERH0040AWZZ	J AE	Gear,Loading				
262	NGERH0036AWZZ	J AF	Gear,Cam				
263	NGERH0037AWZZ	J AF	Gear,Turntable				
264	NGERW0005AWZZ	J AF	Gear,Worm Wheel				
265	LHLDZ1050AWZZ	J AB	Support,Pinch				
266	NGERH0042AWZZ	J AG	Gear,Pulley				
267	LHLDZ1064AWZZ	J AC	Wire Holder				
268	LHLDZ1081AWZZ	J AD	Support,Turntable				
269	NBLTK0014AWZZ	J AC	Belt,Drive				
△ 270	QFSHD0001AWZZ	J AB	Fuse Holder				
271	92LLUG1746A	J AA	Lug Terminal				
272	LBSHC0002AWZZ	J AD	Bushing,AC Power Supply Cord				
273	PRDAR0057AWFW	J AC	Heat Sink				
274	92LLABL1204C	J AA	Label,Made in Malaysia				
			[For Australia/New Zealand]				
274	92LPANEL713A	J AB	Label,Made in Malaysia				
			[Except for Australia/New Zealand]				
275	TSPC-0406AWZZ	J	Label,Specifications				
			[For Thailand]				
275	TSPC-0407AWZZ	J	Label,Specifications [For Taiwan]				
601	XEBSD30P10000	J AA	Screw,ø3×10mm				
602	XJBSD30P08000	J AA	Screw,ø3×8mm				
603	XJBSD30P06000	J AA	Screw,ø3×6mm				
604	LX-JZ0022AFDD	J AA	Screw,ø3×8mm				
605	LX-HZ0082AFZZ	J AA	Screw,ø4×8mm				
606	XJBSP30P08000	J AA	Screw,ø3×8mm				
607	LX-JZ0010AFDD	J AA	Screw,ø3×10mm				
608	LX-EZ0010AWFD	J AA	Screw,Special				
609	XEBSD30P16000	J AA	Screw,ø3×16mm				
610	XESSD30P10000	J AA	Screw,ø3×10mm				
611	XJBSD30P14000	J AA	Screw,ø3×14mm				
612	XEBSP30P12000	J AA	Screw,ø3×12mm				
613	XEPSD30P06000	J	Screw,ø3×6mm				
614	XJSSP30P10000	J AA	Screw,ø3×10mm				
615	LX-TZ0019AFZZ	J AB	Screw,Special				
616	XEBSD26P12000	J AA	Screw,ø2.6×12mm				
617	XBPSD26P05JSO	J AB	Screw,ø2.6×5mm				
618	LX-EZ0005AWFD	J AA	Screw,Special				
619	XEBSD20P08000	J AA	Screw,ø2×8mm				
ACCESSORIES/PACKING PARTS				P.W.B. ASSEMBLY (Not Replacement Item)			
	SPAKA0109AWZZ	J AP	Packing Add.,Left/Right	PWB-A	92LPWB2367MAN1	J —	Main
	SPAKC0390AWZZ	J	Packing Case				[For Australia/New Zealand Only]
			[Except for Australia]	PWB-B1~3	92LPWB2367DPL1	J —	Display/Switch/Sub Display
	SPAKC0440AWZZ	J AY	Packing Case [For Australia]				(Combined Ass'y)
	SSAKH0011AWZZ	J AF	Polyethylene Bag,Unit				[For Australia/New Zealand Only]
	TINST0017AWZZ	J	Operation Manual [For Thailand]	PWB-C	92LPWB2367TUN1	J —	Tuner
	TINSZ0180AWZZ	J AS	Operation Manual				[For Australia/New Zealand Only]
			[Except for Thailand]	PWB-D1~3	92LPWB2367PWR1	J —	Power Amp/Power Supply/Headphone(Combined Ass'y)
	TLABZ0333AWZZ	J AD	Label,Feature				[For Australia/New Zealand Only]
	92LBAG1460C1	J AB	Polyethylene Bag,Accessories	PWB-E1,2	QPWBF0234AWZZ	J —	Tape Mechanism(PWB Only)
	92LBAG1770A	J AB	Polyethylene Bag,AC Plug				[For Australia/New Zealand Only]
			Adaptor [For Hong Kong]	PWB-F	QPWBF0027AWZZ	J AD	CD Motor(PWB Only)
	92LBAG760C	J AA	Polyethylene Bag,AC Plug				[For Australia/New Zealand Only]
			Adaptor [For Saudi Arabia]	PWB-G	QPWBF0275AWZZ	J AB	Sensor(PWB Only)
	92LFANT1746A	J AD	FM Antenna				[For Australia/New Zealand Only]
	92LGCARD1266E1	J AC	Warranty Card				
			[For Australia/New Zealand]				
				SPEAKER BOX PARTS			
				701	92L121-0052	J AS	Net Frame Ass'y,Left/Right
				702	92L312-0047	J AU	Front Panel Ass'y,Left
				702	92L312-0048	J AU	Front Panel Ass'y,Right
				703	92L051-0018	J AY	Speaker Box Ass'y,Left
				703	92L051-0019	J AY	Speaker Box Ass'y,Right
				704	92L291-0024	J	Speaker Cord
				705	92L394-0019	J AC	Port Cushion
				706	92L319-0006	J AC	Catch Holder
				707	92L372-0025	J AB	Screw,ø4×12mm
				708	92L372-0026	J AB	Screw,ø3×10mm
				709	92L351-0090	J AD	Label,Specification
				710	92L122-0020	J AQ	Internal Lead Ass'y
				710-1	—	—	Internal Lead
							(Not Replacement Item)
				710-2	92L293-0029	J	Capacitor,3.3 µF,100V
							Electrolytic,Non-Polar
				711	92L394-0018	J AC	Wire Cushion
				SP1,2	92L124-0009	J AL	Super Tweeter Ass'y
				SP3,4	92L263-0009	J AT	Tweeter
				SP5,6	92L269-0024	J BF	Woofer
				PACKING PARTS			
				92L353-0025	J AG	Label,Feature	
				92L411-0045	J	Polyethylene Bag,Speaker	
				92L412-0048	J AK	Packing Add.,Front (Top/Bottom)	
				92L412-0049	J AK	Packing Add.,Back (Top/Bottom)	
				92L414-0004	J	Mirror Mat,Speaker	
				92L416-0009	J	Pad,Speaker	



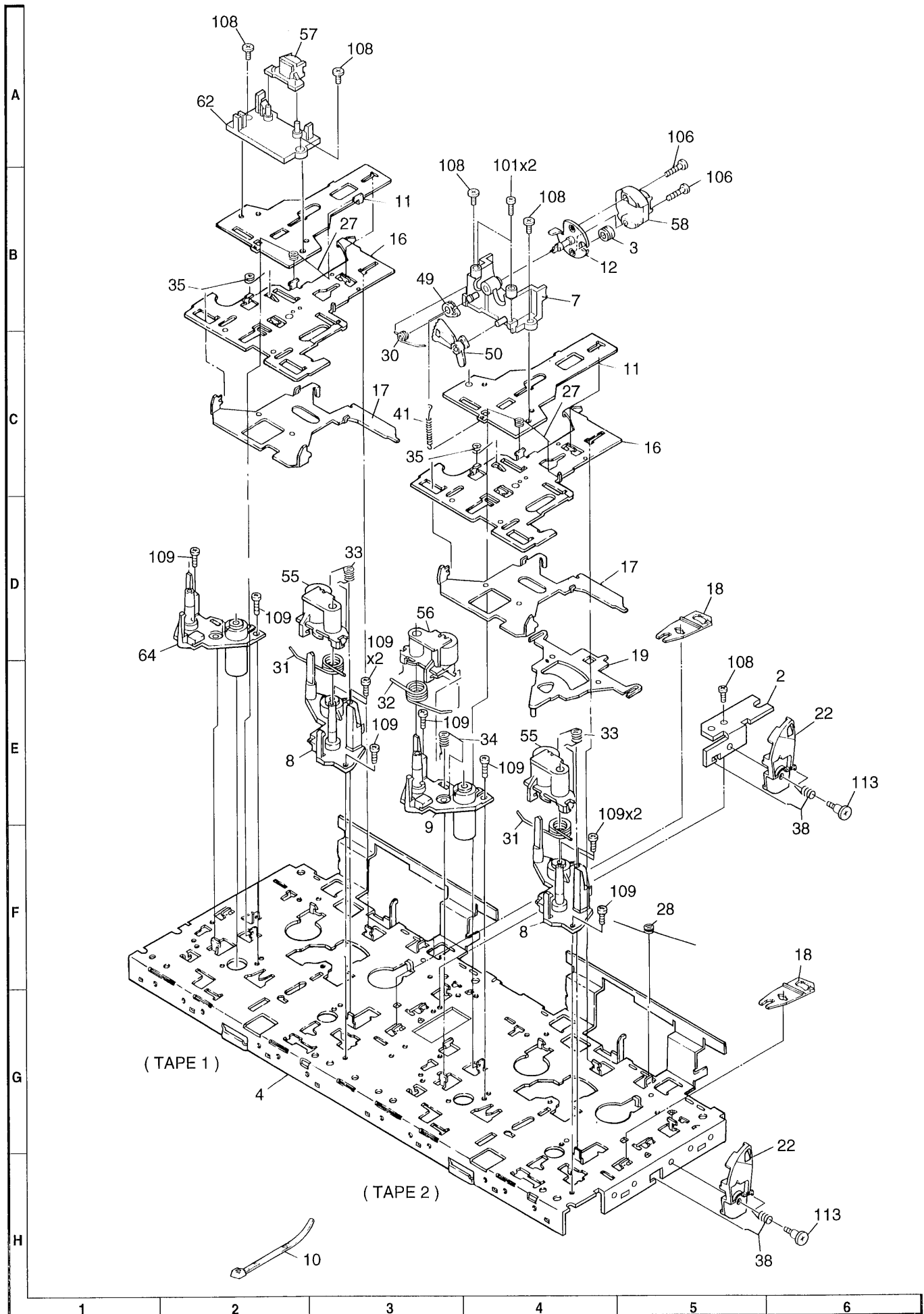


Figure 10 TAPE MECHANISM EXPLODED VIEW (1/2)

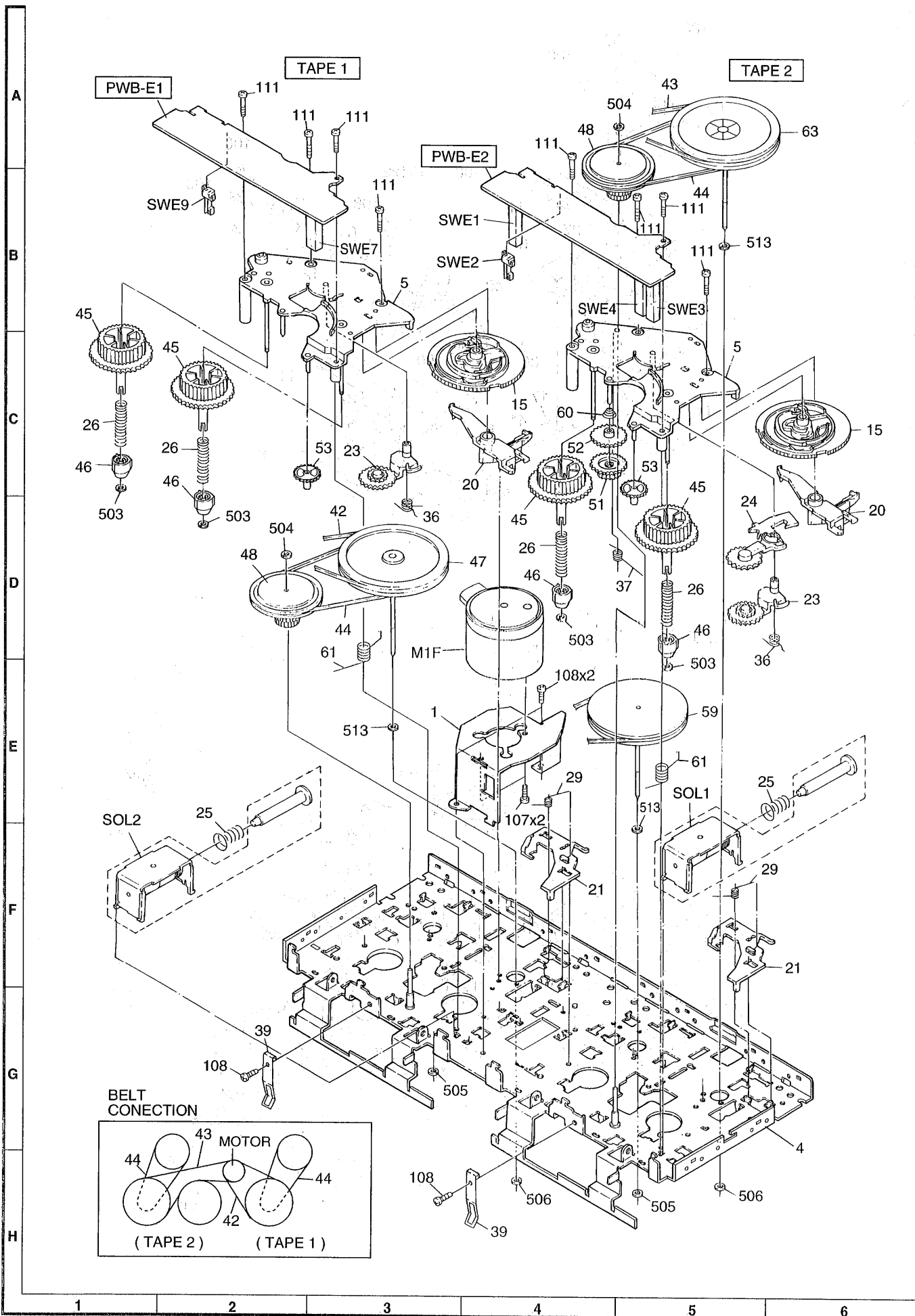


Figure 11 TAPE MECHANISM EXPLODED VIEW (2/2)

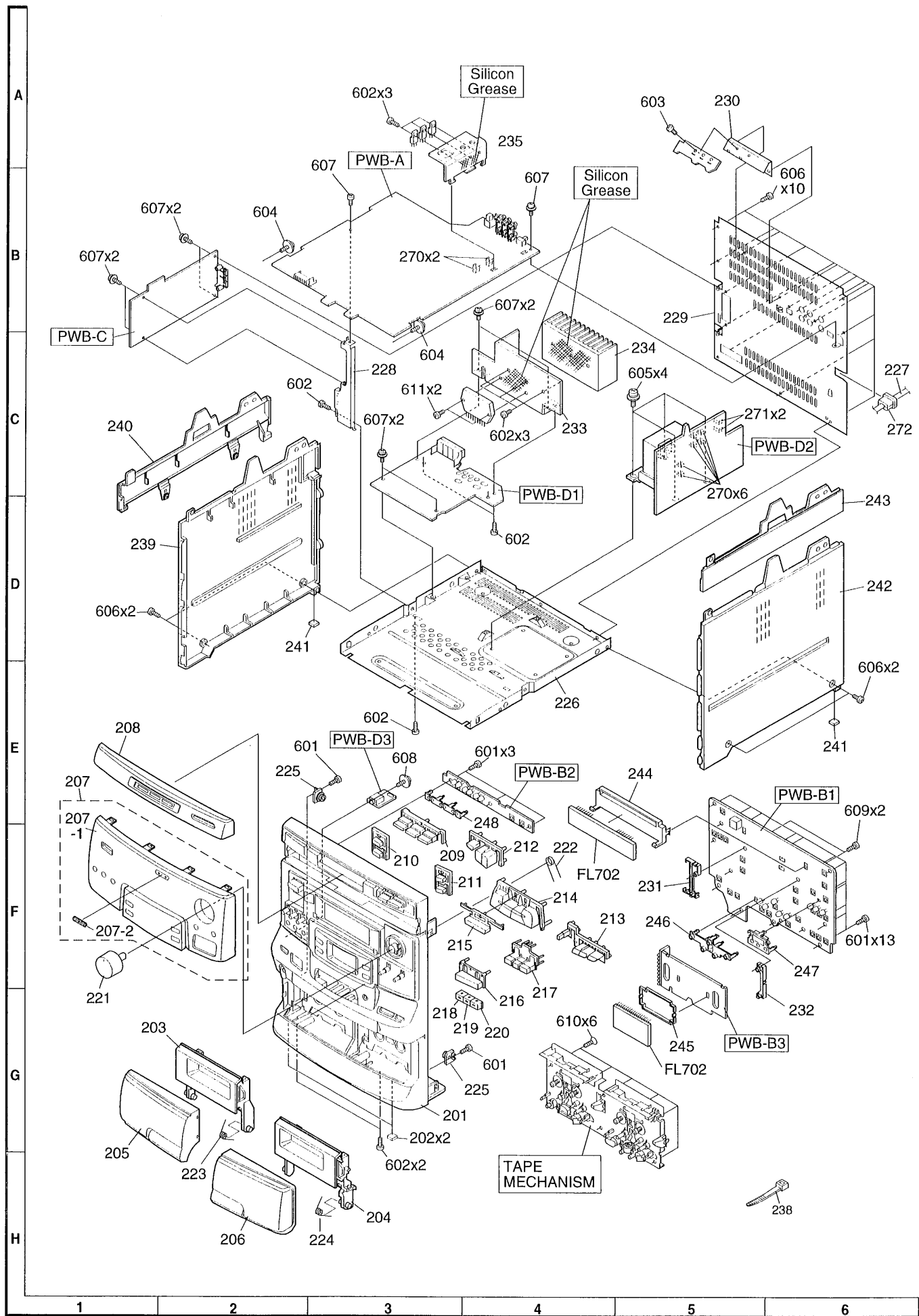


Figure 12 CABINET EXPLODED VIEW (1/2)

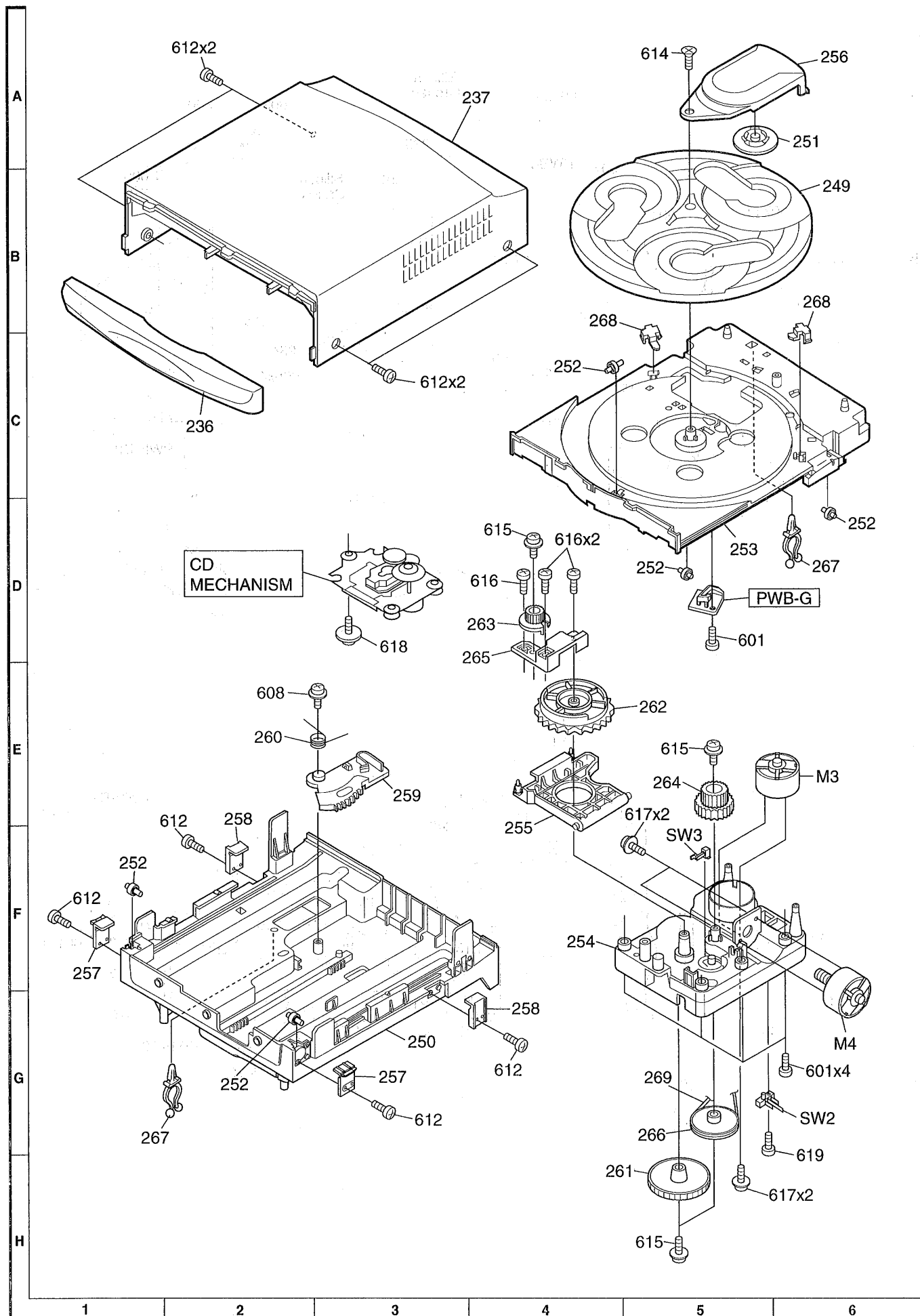


Figure 13 CABINET EXPLODED VIEW (2/2)

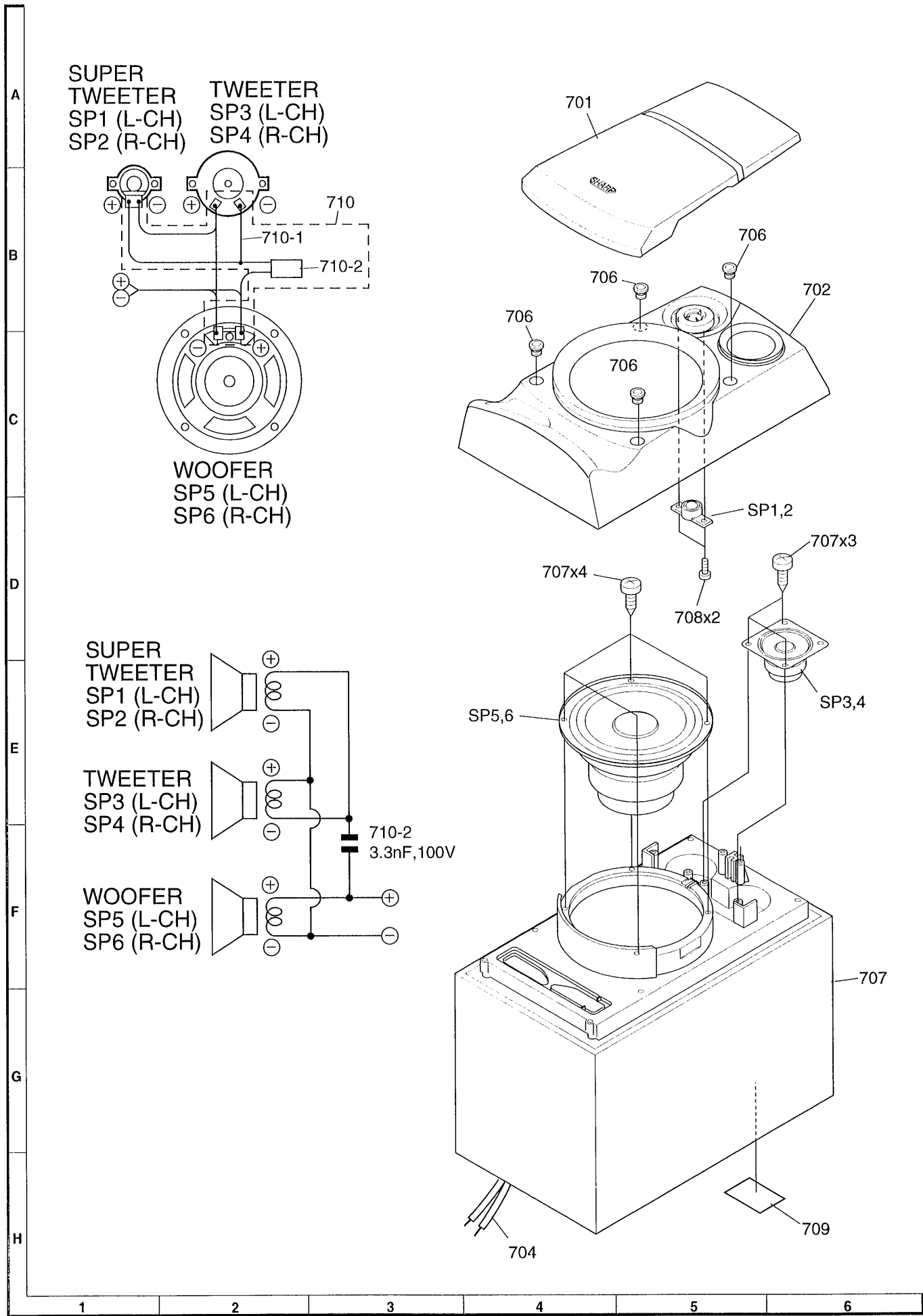


Figure 14 SPEAKER EXPLODED VIEW

CD-C880X

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