

SHARP SERVICE MANUAL

No. S7757CDC480W/



CD-C480W CP-C480W

COMPACT
disc
DIGITAL AUDIO

DOLBY SURROUND
PRO • LOGIC

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CD-C480W, CP-C480W, center speaker system and surround speaker system constitute CD-C480W.

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

SOUND RETRIEVAL SYSTEM

- SRS technology Licensed from SRS Labs. 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.

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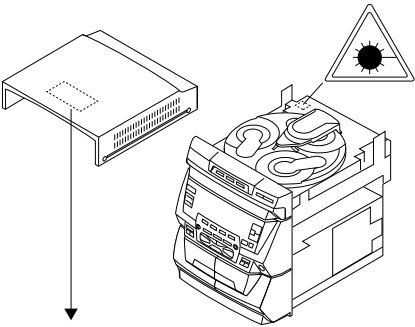
SAFETY PRECAUTION FOR
SERVICE MANUAL

Precaution to be taken when replacing and servicing the
Laser Pickup.

The AEL (Accessible Emission Level) of Laser Power Output for this model is specified to be lower than Class I Requirements. However, the following precautions must be observed during servicing to protect your eyes against exposure to the Laser beam.

- (1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
- (2) The Laser Power Output of the Pickup inside the unit and replacement service parts have already been adjusted prior to shipping.
- (3) No adjustment to the Laser Power should be attempted when replacing or servicing the Pickup.
- (4) Under no circumstances look directly into the Pickup Lens at any time.
- (5) CAUTION - Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser Diode Properties
Material: GaAlAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW



CAUTION-INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

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VARO! AVATTAESSA OLET ALTTIINA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LAPI.

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ADVERSEL-USYNLIG LASERSTRÅLING NÄR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

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 the correct voltage figure is displayed in the window next to the adjisment screw.

QACCA0001AW00

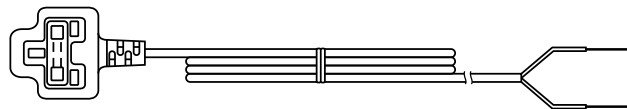
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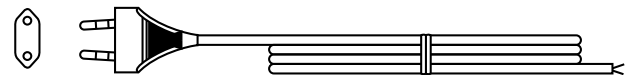


Figure 2 AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

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

SPECIFICATIONS

CD-C480W

● General

Power source: AC 110/127/220/230-240 V, 50/60 Hz
Power consumption: 160 W
Dimensions: Width; 270 mm (10-5/8")
 Height; 300 mm (11-13/16")
 Depth; 368 mm (14-1/2")
Weight: 7.1 kg (15.7 lbs.)

● Amplifier section

Output power: PMPO; 600 W (total)
(Front)
 MPO; 110 W (55 W + 55 W) (10 % T.H.D)
 RMS; 50 W (25 W + 25 W) (10 % T.H.D)
(Center)
 MPO; 20 W (10 % T.H.D)
 RMS; 10 W (10 % T.H.D)
(Surround)
 MPO; 20 W (total) (10 % T.H.D)
 RMS; 10 W (total) (10 % T.H.D)
Input terminals: Video/Auxiliary (audio signal) x 2;
 500 mV/47 kohms
Output terminals: Front speakers; 8 ohms
 Center speakers; 6 ohms
 Surround Speakers; 12 ohms
 CD digital output (optical)
 Headphones; 16-50 ohms
 (recommended; 32 ohms)

● Compact disc player section

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

● Tuner section

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

● 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

CP-C480W

Type: 3-way type [130 mm (5-1/8") woofer,
 50 mm (2") tweeter and super tweeter]
Maximum input power: 50 W
Impedance: 8 ohms
Dimensions: Width; 200 mm (7-7/8")
 Height; 300 mm (11-13/16")
 Depth; 252 mm (9-15/16")
Weight: 2.7 kg (6.0 lbs.)/each

CENTER SPEAKER

Type: 100 mm (4") full-range speaker
Maximum input power: 20 W
Impedance: 6 ohms
Dimensions: Width; 262 mm (10-5/16")
 Height; 145 mm (5-3/4")
 Depth; 201 mm (7-15/16")
Weight: 1.4 kg (3.1 lbs.)/each

SURROUND SPEAKER

Type: 100 mm (4") full-range speaker
Maximum input power: 10 W
Impedance: 12 ohms
Dimensions: Width; 170 mm (6-3/4")
 Height; 122 mm (4-13/16")
 Depth; 176 mm (6-15/16")
Weight: 0.7 kg (1.5 lbs.)/each

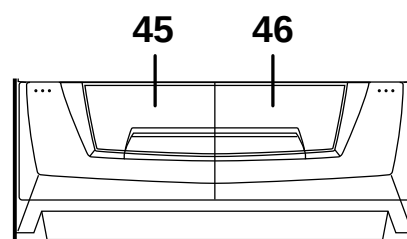
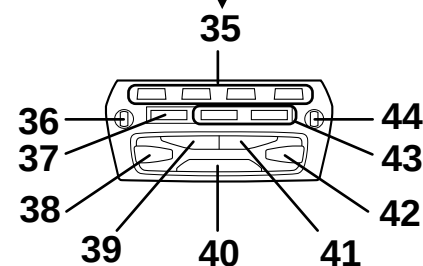
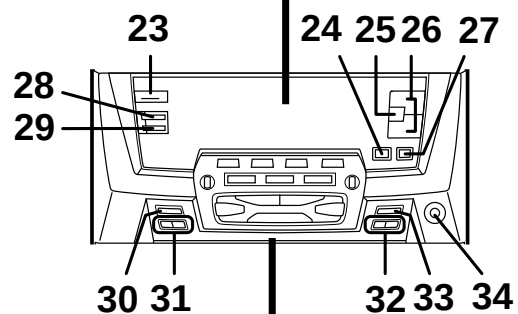
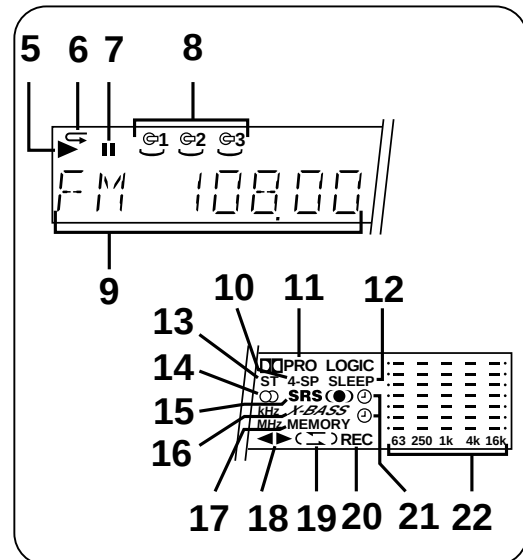
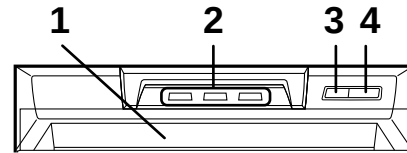
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

CD-C480W

■ Front Panel

1. Disc Tray
2. Disc Number Selector Buttons
3. Disc Skip Button
4. Open/Close Button: ▲
5. CD Play Indicator: ►
6. CD Repeat Indicator: ⇌
7. CD Pause Indicator: ||
8. Disc Number Indicator
9. Function/CD Track/Preset Channel/Volume/
Frequency/CD Counter/Time/Sleep Time Indicator
10. 4-Speaker Indicator: 4-SP
11. Dolby Pro Logic Indicator
12. Sleep Indicator
13. FM Stereo Mode Indicator: ST
14. FM Stereo Indicator: Ⓢ
15. SRS Indicator
16. Extra Bass Indicator: X-BASS
17. Memory Indicator
18. Direction Indicators
19. Reverse Mode indicator: ⇌
20. Record indicator
21. Timer Indicator
22. Spectrum Analyzer/Volume Level/Balance Indicator
23. On/Stand-by Switch
24. 3D Surround Mode Button
25. Extra Bass Button: X-BASS
26. Volume Up/Down Buttons: ▽/△
27. 4-Speaker Surround Mode Button
28. Clock Button
29. Timer/Sleep Button
30. Memory/Set Button
31. Tuning and Time Up/Down Buttons: ∨/∧
32. Edit/Beat Cancel Buttons: NORMAL/HIGH
33. Reverse Mode Button
34. Headphone Socket
35. Function Selector Buttons
36. Record Pause Button: ●||
37. Bypass Button
38. Track Down/Review/Preset Down Button: ◀◀/|◀◀
39. (TAPE 2) Reverse Play Button: ◀
40. Stop Button: ■
41. (TAPE 1) Play Button/(TAPE 2) Forward Play Button/
(CD) Play/Repeat Button: ►
42. Track Up/Cue/Preset Up Button: ►►/►►►
43. Centre Mode Buttons: NORMAL/PHANTOM
44. Equalizer Selector/Demo Mode Button
45. (TAPE 1) Cassette Compartment
46. (TAPE 2) Cassette Compartment



CD-C480W**■ Rear Panel**

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

■ Speaker Section**(CP-C480W)**

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

(Center Speaker)

6. Full-Range Speaker
7. Speaker Wire

(Surround Speaker)

8. Full-Range Speaker
9. Speaker Wire

CD-C480W**■ Remote Control**

1. Remote Control Transmitter LED

2. Surround Level Buttons: $\nabla/\wedge$
3. Center Level Buttons: $\nabla/\wedge$
4. 4-Speaker Surround Mode Button
5. Dolby Pro Logic Button
6. Center Mode Button
7. Test Tone Button
8. Balance Control Buttons: $\langle/\rangle$

● Tuner control section

9. Preset Up/Down Buttons: $\nabla/\wedge$

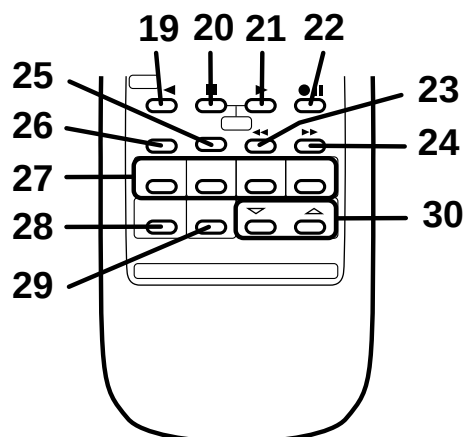
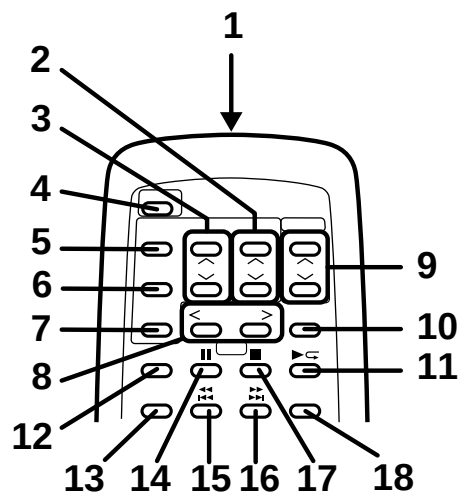
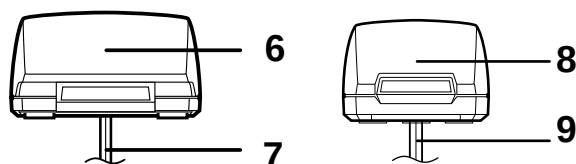
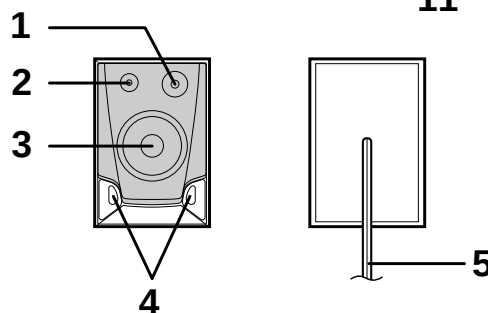
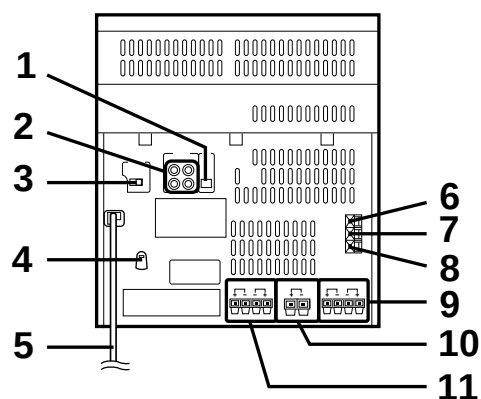
● CD Control section

10. Disc Skip Button
11. Play/Repeat Button: $\blacktriangleright\rightarrow$
12. Memory Button
13. Clear Button
14. Pause Button: $\parallel$
15. Track Down/Review Button: $\blacktriangleleft/\blacktriangleleft\blacktriangleleft$
16. Track Up/Cue Button: $\blacktriangleright\blacktriangleright/\blacktriangleright\blacktriangleright\blacktriangleright$
17. Stop Button: $\blacksquare$
18. Random Button

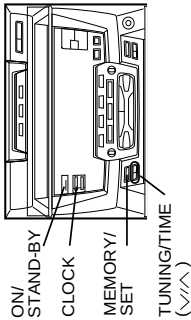
● Tape control section

19. (TAPE 2) Reverse Play Button: $\blacktriangleleft$
20. (TAPE 1/2) Stop Button: $\blacksquare$
21. (TAPE 1) Play Button/
(TAPE 2) Forward Play Button: $\blacktriangleright$
22. (TAPE 2) Record Pause Button: $\bullet\parallel$
23. (TAPE 2) Rewind Button: $\blacktriangleleft\blacktriangleleft$
24. (TAPE 2) Fast Forward Button: $\blacktriangleright\blacktriangleright$

25. 3D Surround Mode Button
26. Equalizer Mode Button
27. Function Selector Buttons
28. On/Stand-by Button
29. Extra Bass Button: X-BASS
30. Volume Up/Down Buttons: $\nabla/\triangle$



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



2
CLOCK
/ / / /

3
0:00
/ / / /

4
0:00
/ / / /
0:00 ↔ AM 12:00 ↔ AM 0:00

5
0:00
/ / / /

6
10:00
/ / / /

7
10:00
/ / / /

8
10:30
/ / / /

9
10:30
/ / / /

To change the clock time:

When the ON/STAND-BY switch is set to STAND-BY.
● When the unit is in the demonstration mode, press the DEMO button to enter the clock mode.

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

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

- 1 Press the CLOCK button.
- 2 Within 5 seconds, press the MEMORY/SET button.
- 3 Perform steps 6 - 9 above.

- 1 Press the ON/STAND-BY switch to enter the stand-by mode.
- 2 Press the CLOCK button.
- 3 Within 5 seconds, press the MEMORY/SET button.
- 4 Press the TUNING/TIME (✓ or ^) button to select the time display mode.
 - "AM 12:00" → The 12-hour display will appear. (AM 12:00 - PM 11:59)
 - "AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)
 - "0:00" → The 24-hour display will appear. (0:00 - 23:59)
- Note that this can only be set when the unit is first installed or it has been reset (see below).
- 5 Press the MEMORY/SET button.
- 6 Press the TUNING/TIME (✓ or ^) button to adjust the hour.
- Press the TUNING/TIME button once to advance the time by 1 hour. Press for more than 0.5 seconds to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".
- 7 Press the MEMORY/SET button.
- 8 Press the TUNING/TIME (✓ or ^) button to adjust the minutes.
- Press the button for at least 0.5 seconds to change the time in 5-minute intervals.
- The hour setting will not advance even if minutes advance from "59" to "00".
- 9 Press the MEMORY/SET button.
- The clock starts operating from "0" seconds. (Seconds are not displayed.)

Note:

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

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

Press the CLOCK button.

- The time display will appear for about 5 seconds.

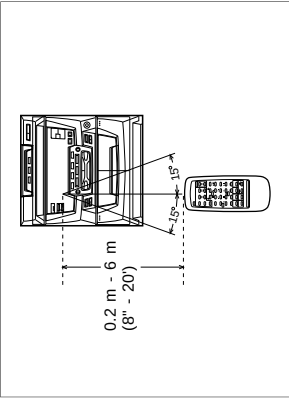
To switch the time display mode:

- 1 Press the ON/STAND-BY switch to enter the stand-by mode.
- 2 Press the VOLUME ▽ button, the TUNING/TIME ^ button and the ON/STAND-BY switch all at the same time. Hold them down for at least 1 second. (Refer to RESETTING THE MICROCOMPUTER on page 26.)
- 3 Perform steps 1 - 9 above.

Note:

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

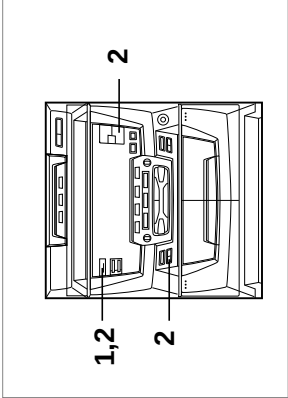
PREPARATION FOR USE



Notes concerning use:

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

RESETTING THE MICROCOMPUTER



Reset the microcomputer under the following conditions:

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

Note:

- To erase the tuner preset memory, see "To erase all of the contents of preset memory" on page 20.

- 1 Press the ON/STAND-BY switch to enter the stand-by mode.
- 2 Press the VOLUME ▽ button, the TUNING/TIME ^ button and the ON/STAND-BY switch all at the same time. Hold them down for at least 1 second.

DISASSEMBLY

Caution on Disassembly

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

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

CD-C480W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	7-1
2	Side Panel (Left/right)	1. Screw (B1) x6	7-1
3	CD Player Unit/ CD Tray Cover	1. Turn on the power supply, open the disc tray, take out the CD cover, and close. (Note 1) 2. Hook (C1) x3 3. Hook (C2) x2 4. Screw (C3) x1 5. Socket (C4) x4	7-2
4	Tuner PWB	1. Screw (D1) x4 2. Screw (D2) x1 3. Socket (D3) x1	7-2
5	Back Board	1. Screw (E1) x7	7-2
6	Main PWB	1. Screw (F1) x1 2. Holder (F2) x2 3. Flat Wire (F3) x4 4. Socket (F4) x3	8-1
7	Headphones PWB	1. Screw (G1) x1	8-1
8	Front Panel	1. Screw (H1) x2	8-1
9	Display PWB/ Switch PWB	1. Screw (J1) x3 2. Screw (J2) x11	8-2
10	Tape Mechanism	1. Open the cassette holder. 2. Screw (K1) x6	8-2
11	Power Amp. PWB	1. Screw (L1) x4	8-3
12	Turntable	1. Screw (M1) x1 2. Cover (M2) x1	8-4
13	Disc Tray	1. Screw (N1) x2 2. Guide (N2) x2	8-4
14	CD Changer Mechanism	1. Screw (P1) x4	8-5
15	CD Mechanism	1. Screw (Q1) x1	8-5

Note 1:

How to open the changer manually. (Fig. 7-3)

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

CD-C480W

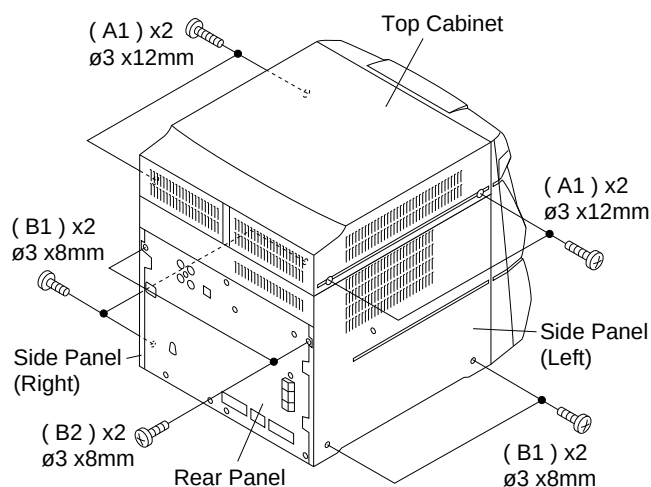


Figure 7-1

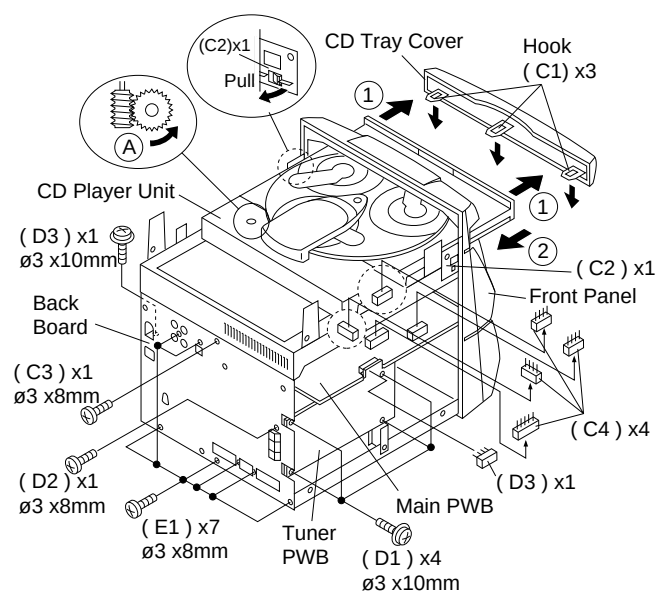


Figure 7-2

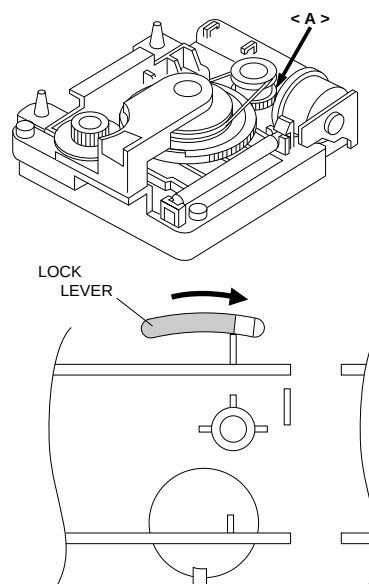


Figure 7-3

CD-C480W,CP-C480W

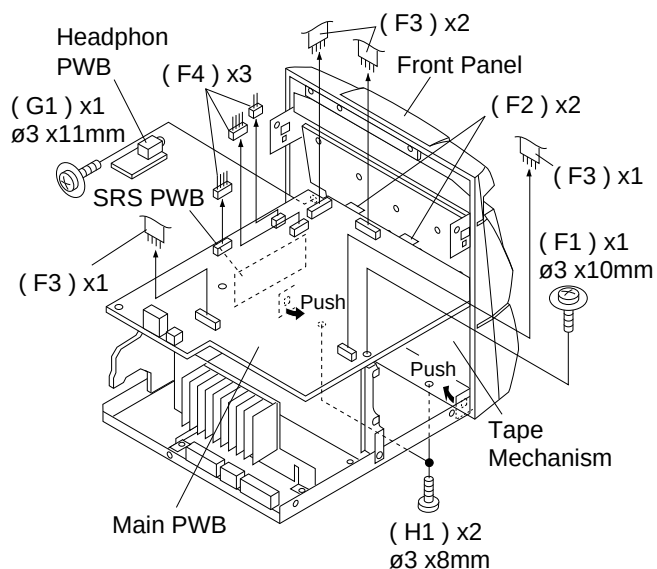


Figure 8-1

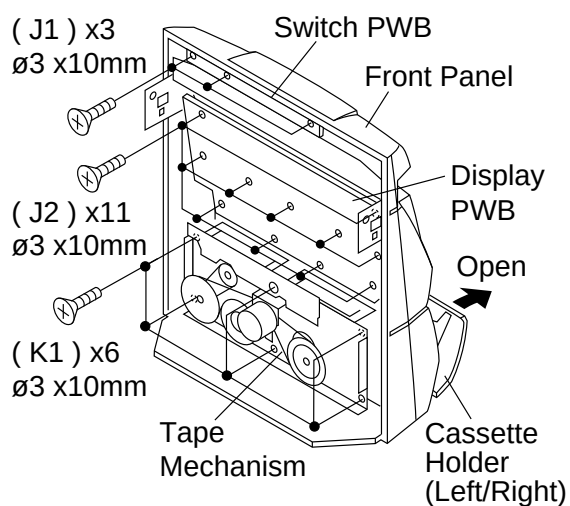


Figure 8-2

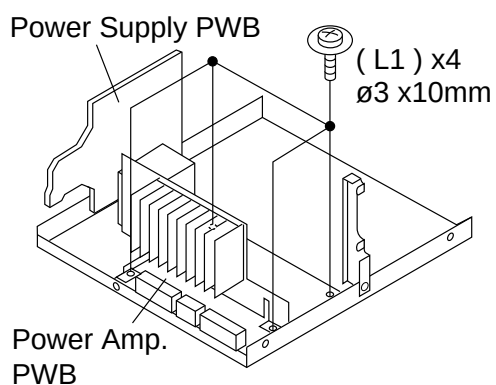


Figure 8-3

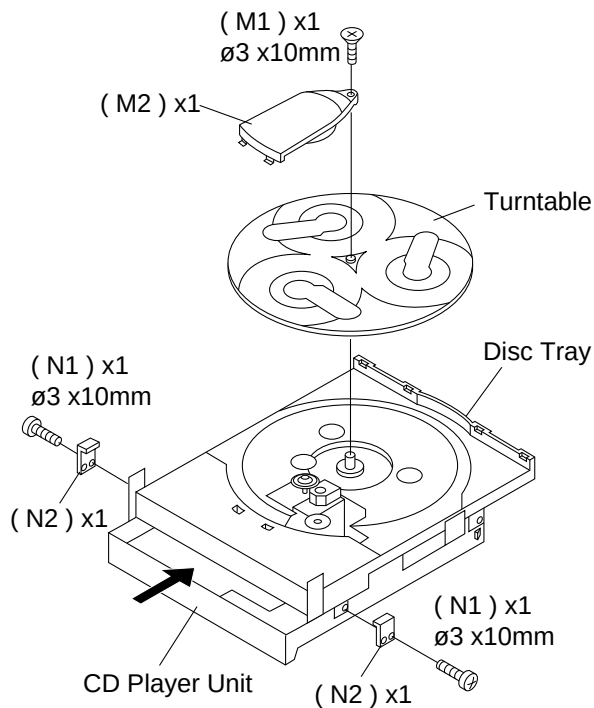
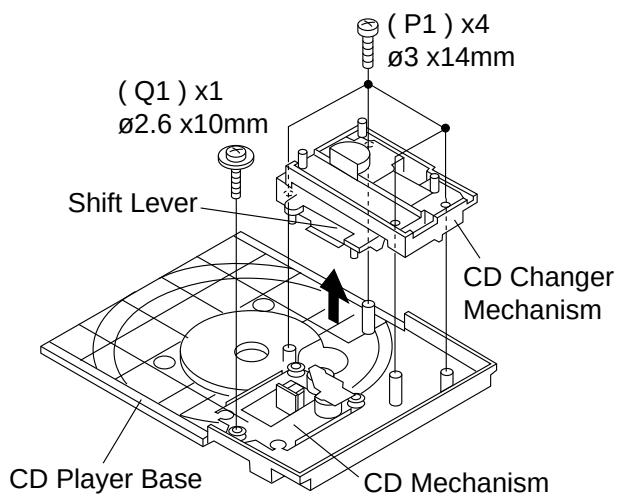


Figure 8-4



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 8-5

CP-C480W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front Speaker (Left/Right)	1. Net (A1) x1 2. Front Panel (A2) x1 3. Screw (A3) x6	9-1

SURROUND SPEAKER

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (B1) x6	9-2

CENTER SPEAKER

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (C1) x9	9-3

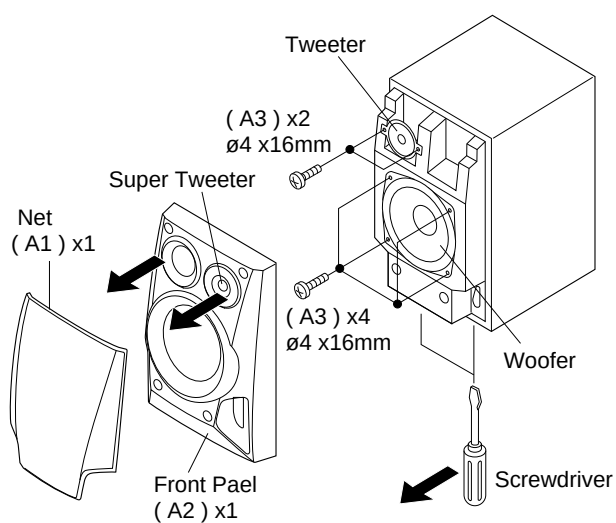
CP-C480W

Figure 9-1

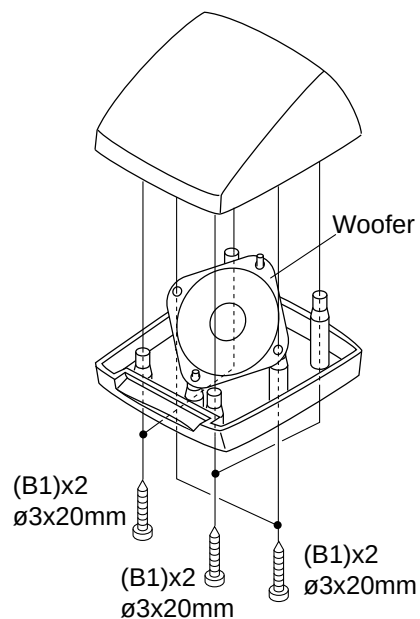
SURROUND SPEAKER

Figure 9-2

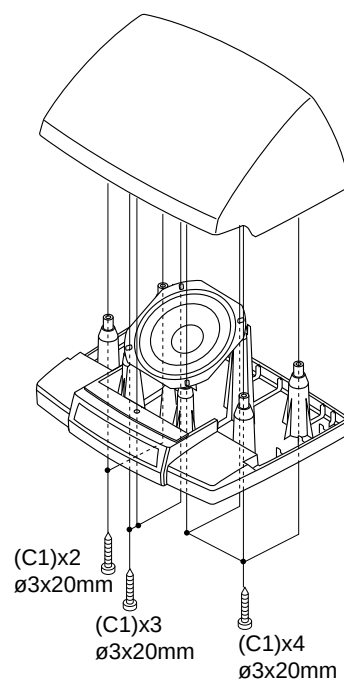
CENTER SPEAKER

Figure 9-3

REMOVING AND REINSTALLING THE MAIN PARTS

CD MECHANISM SECTION

Perform steps 1, 2, 3, 14 and 15 of the disassembly method to remove the CD mechanism.

How to remove the turntable up/down motor (See Fig. 10-1)

1. Remove the screws (A1) x 2 pcs., to remove the turntable up/down motor.

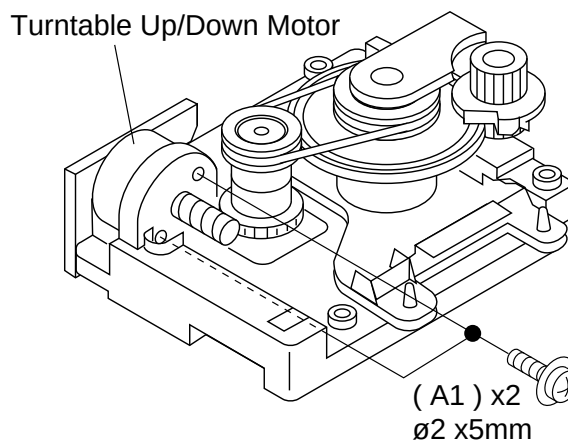


Figure 10-1

How to remove the pickup (See Fig. 10-2)

1. Remove the screws (B1) x 2 pcs., to remove the shaft (B2).
2. Remove the stop washer (B3) x 1 pc., to remove the gear (B4).
3. Remove the pickup.

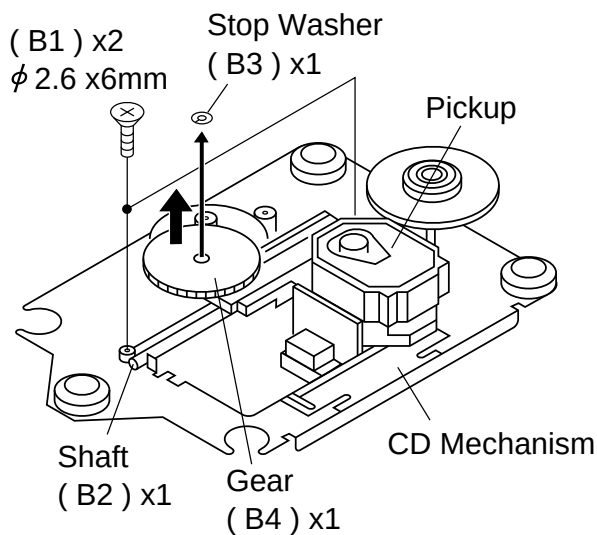


Figure 10-2

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

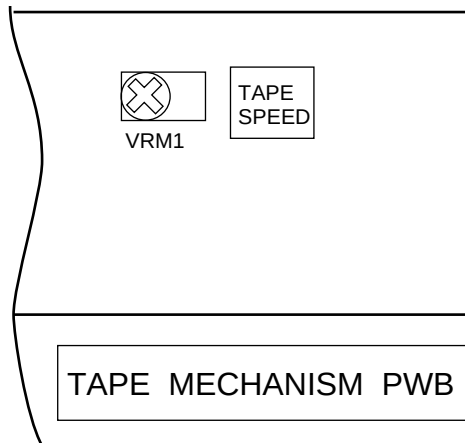
Torque Meter	Specified Value
Play: TW-2412	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 60 g. cm	30 to 100 g.cm
Fast forward: TW-2231	—	50 to 100 g.cm
Rewind: TW-2231	—	50 to 100 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	VRM01	3,000 ± 30 Hz	Speaker terminal



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
AM Band Coverage	—	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T302	*1

*1. Input: Antenna, Output: TP302

*2. Input: Antenna, Output: TP301

• FM

Notes:

- Description of the "FM IF Adjustment" is not carried on this Manual. It is because the IF coil in the FM front end section has been best adjusted in the factory so that its further adjustment is not needed at the field. When replacing the FM front end assembly, no adjustment is needed either.
- The parts in the FM front end section are prepared in a complete unit, so you can't obtain each part individually

• 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*	Input: Antenna Output: Speaker Terminal

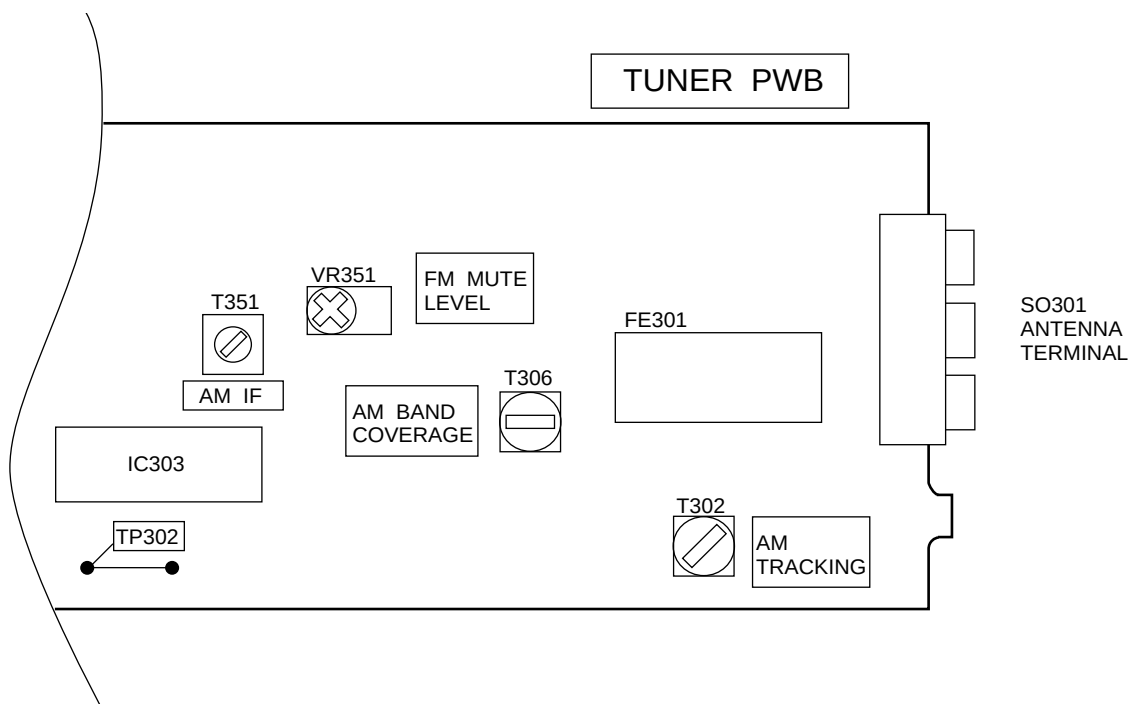


Figure 11 ADJUSTMENT POINTS

CD-C480W,CP-C480W

TEST MODE

• Setting the test mode

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

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

• TEST mode

Function — CD test mode

Setting of TEST mode

Indication of CD TST mode (Fig. 12-1)

OPEN/CLOSE operation is manual operation.

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

IL is not performed.

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

<PLAY> key input — TOC. IL is performed, and the ordinary PLAY is performed. — Press <STOP> key. — Stop

If the following key is pressed during PLAY, it is possible to specify directly any Track No.

<Disc Number 1> key: Track 4

<Disc Number 2> key: Track 9

<Disc Number 3> key: Track 15

Note:

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

VOL. --- Last memory

BAL. --- CENTER

R.GEQ. --- FLAT

X-BAS --- OFF

Canceling method - POWER OFF

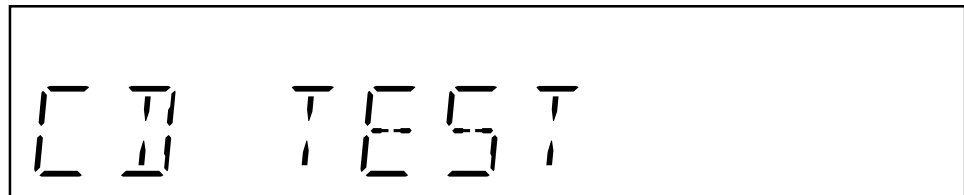


Figure 12-1

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. 12-2)
2. Tracking offset (Fig. 12-3)
3. E/F balance (tracking error balance) (Fig. 12-4)
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.

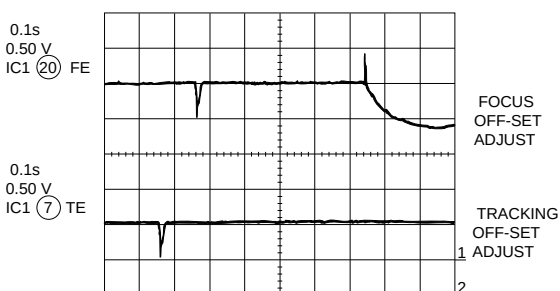


Figure 12-2

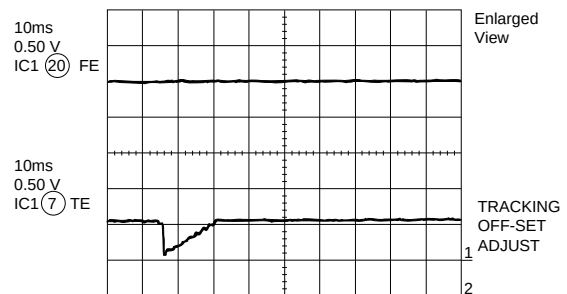


Figure 12-3

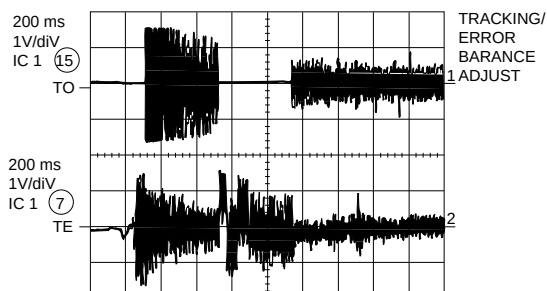


Figure 12-4

EXPLANATION OF DOLBY SURROUND PRO LOGIC AND EVALUATION METHOD

Outline

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

• State of element output and terminal output in specific mode

State of set Output point		Dolby Pro Logic Bypass mode	Dolby Pro Logic On mode	
			Normal mode	Phantom mode
IC202	16 pin L-out	Output enabled state	Output enabled state	Output enabled state
	15 pin R-out	Output enabled state	Output enabled state	Output enabled state
IC201	34pin C-out	No output	Output enabled state	No output
IC202	13pin S-out	No output	Output enabled state	Output enabled state
SP OUT (SO901)	L-ch	Output enabled state	Output enabled state	Output enabled state
	R-ch	Output enabled state	Output enabled state	Output enabled state
SP OUT C-ch (SO903)		No output in MUTE (Q504) state	Output enabled state	No output in MUTE (Q504) state
SP OUT S-ch (SO902)		No output in MUTE (Q503) state	Output enabled state	Output enabled state

Test tone output

• Pro Logic ON Normal mode

Press the remote control TEST TONE button.

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

↑

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

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

In this case the following indication appears repeatedly.

→TEST →L-ch →C-ch

↑

S-ch ← R-ch

• Pro Logic ON Phantom mode

Press the remote control TEST TONE button.

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

↑

← Output of only S-ch

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

In this case the following indication appears repeatedly.

→TEST →L-ch →R-ch

↑

← S-ch←

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

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

Output point		Normal mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO903) SP out C-ch		Input signal is output.
(SO902) SP out S-ch		Almost no output (only omitting component)

Output point		Phantom mode
SP out (SO901)	L-ch	Input signal is output.
	R-ch	Input signal is output.
(SO903) SP out C-ch		SP cut, no output
(SO902) SP out S-ch		Almost no output (only omitting component)

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

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

Output point		Normal mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO903) SP out C-ch		Almost no output (only omitting component)
(SO902) SP out S-ch		Input signal is output.

Output point		Phantom mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO903) SP out C-ch		SP cut, no output
(SO902) SP out S-ch		Input signal is output.

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

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

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

NOTES ON SCHEMATIC DIAGRAM

• Resistor:

To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.

• Capacitor:

To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.

(CH), (TH), (RH), (UJ): Temperature compensation

(ML): Mylar type

(P.P.): Polypropylene type

• Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

REF. NO	DESCRIPTION	POSITION
SW1	OPEN/CLOSE	ON—OFF
SW2	MECHA UP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW601	SPAN SELECTOR	50/9—100/10
SW701	ON/STAND-BY	ON—OFF
SW702	CLOCK	ON—OFF
SW703	TIME/SLEEP	ON—OFF
SW704	DISC 1	ON—OFF
SW705	DISC 2	ON—OFF
SW706	DISC 3	ON—OFF
SW707	DISC SKIP	ON—OFF
SW708	OPEN/CLOSE	ON—OFF
SW709	CD	ON—OFF
SW710	TUNER/BAND	ON—OFF
SW711	TAPE	ON—OFF
SW712	VIDEO	ON—OFF
SW717	CENTER MODE/PHANTOM	ON—OFF
SW719	CENTER MODE/NORMAL	ON—OFF
SW721	DOLBY PRO LOGIC/BYPASS	ON—OFF
SW723	REC/PAUSE	ON—OFF
SW724	TUNING UP/TIME	ON—OFF
SW725	VOLUME UP	ON—OFF

• 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.

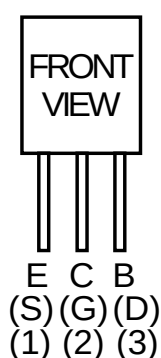
() indicates the record state.

4. In the power section, a tape is being played back.

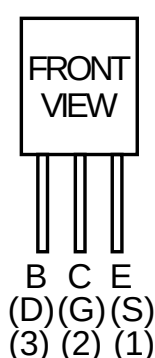
5. In the CD section, the CD is stopped.

• 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.

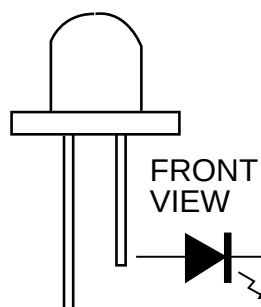
REF. NO	DESCRIPTION	POSITION
SW726	X-BASS	ON—OFF
SW727	4-SP SURROUND	ON—OFF
SW728	STOP	ON—OFF
SW729	FWD	ON—OFF
SW730	FF	ON—OFF
SW731	MEMORY SET	ON—OFF
SW732	TUNING DOWN/TIME	ON—OFF
SW733	VOLUME DOWN	ON—OFF
SW734	EQUALIZER/DEMO	ON—OFF
SW735	3D SURROUND	ON—OFF
SW736	REVERSE MODE	ON—OFF
SW737	REV	ON—OFF
SW738	REW	ON—OFF
SW739	EDIT NORMAL	ON—OFF
SW740	EDIT HIGH	ON—OFF
SW801	VOLTAGE SELECTOR	110—127— 220—230/240
SWM1	T1 CrO ₂	ON—OFF
SWM2	T2 CrO ₂	ON—OFF
SWM 3	REC FWD	ON—OFF
SWM 4	REC RVS	ON—OFF
SWM 5	F.A.S.	ON—OFF
SWM 6	CAM	ON—OFF



2SC2878 A
2SC2236 Y
2SD468 C
KRC102 M
KRC104 M
KRA107 M
KRC107 M
KTA1266 GR
KTC3199 GR
KTC3203 Y



2SD2012
2SC1845 F
KTA1271 Y
KTA1273 Y



333GTH2
333YTH2
333YTH4
LMKD515B

Figure 14 TYPES OF TRANSISTOR AND LED

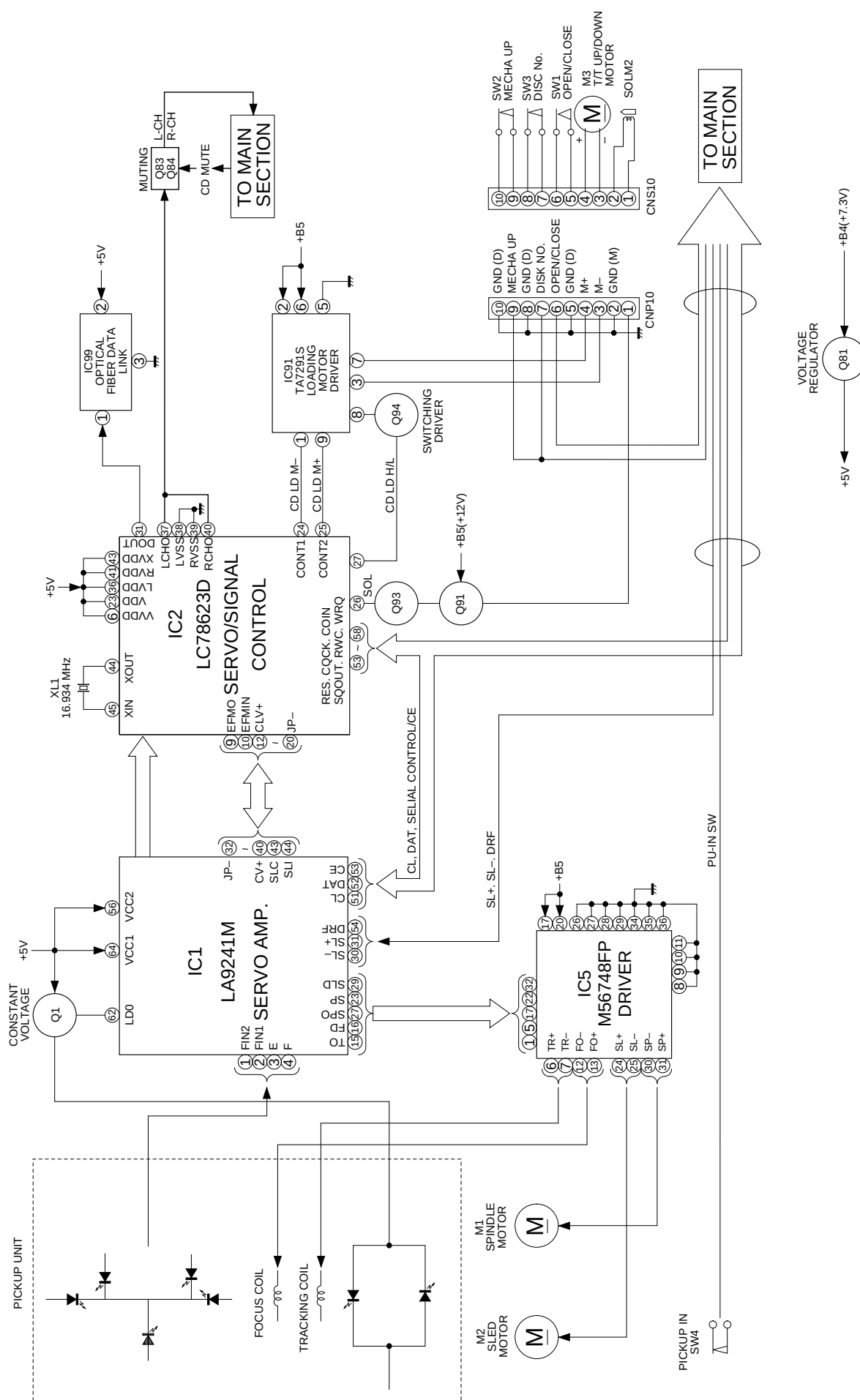


Figure 15 BLOCK DIAGRAM (1/3)

CD-C480W,CP-C480W

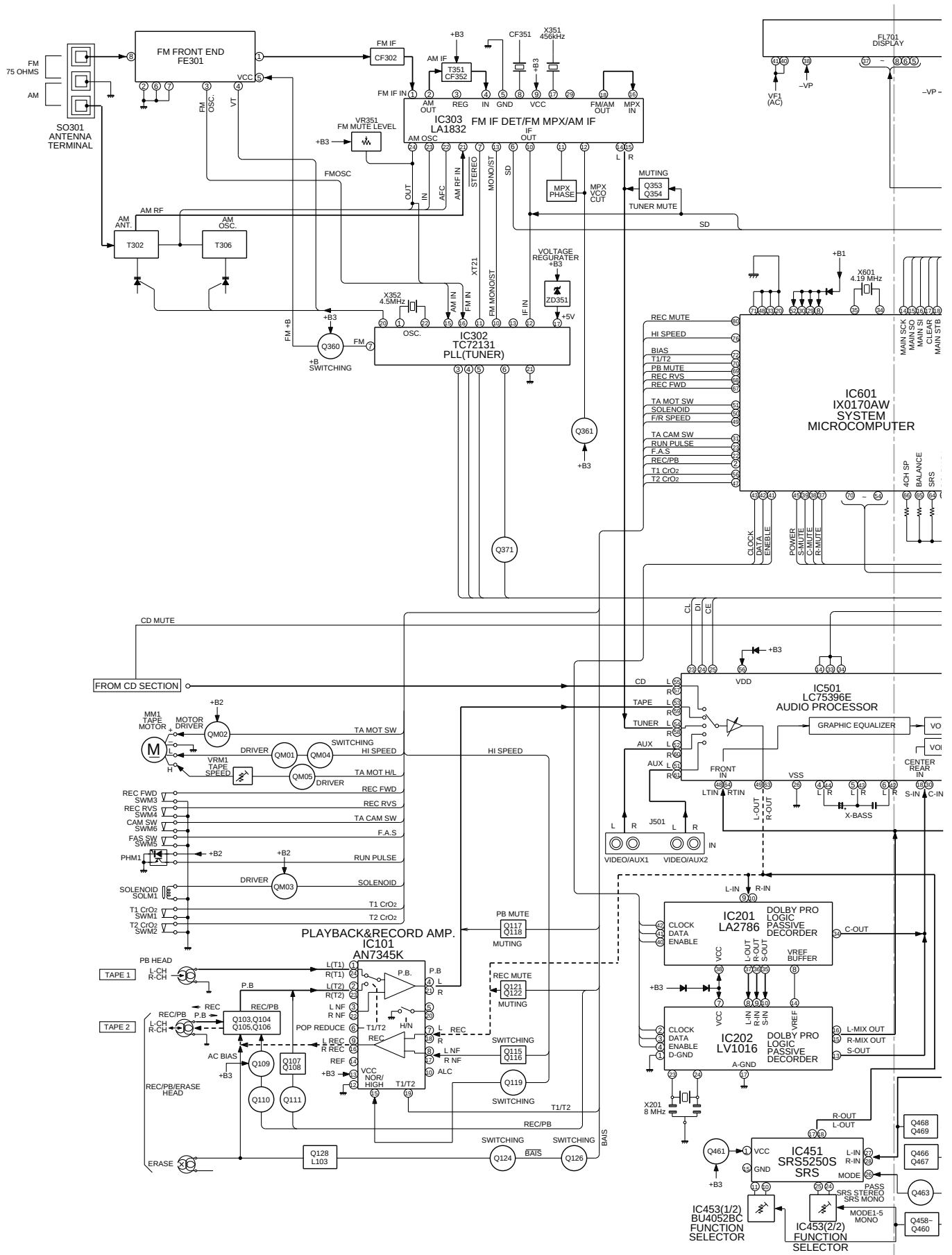


Figure 16 BLOCK DIAGRAM (2/3)

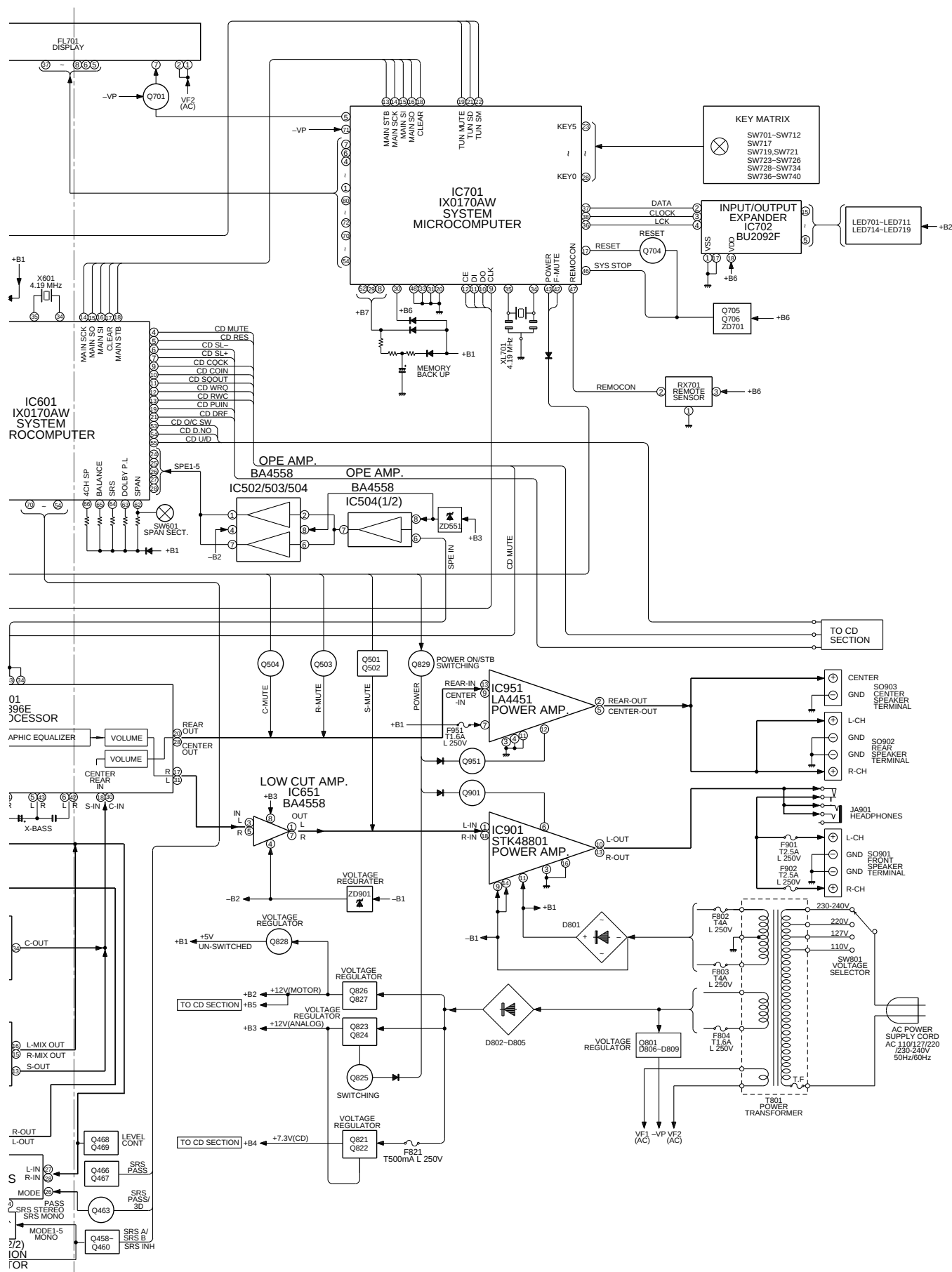


Figure 17 BLOCK DIAGRAM (3/3)

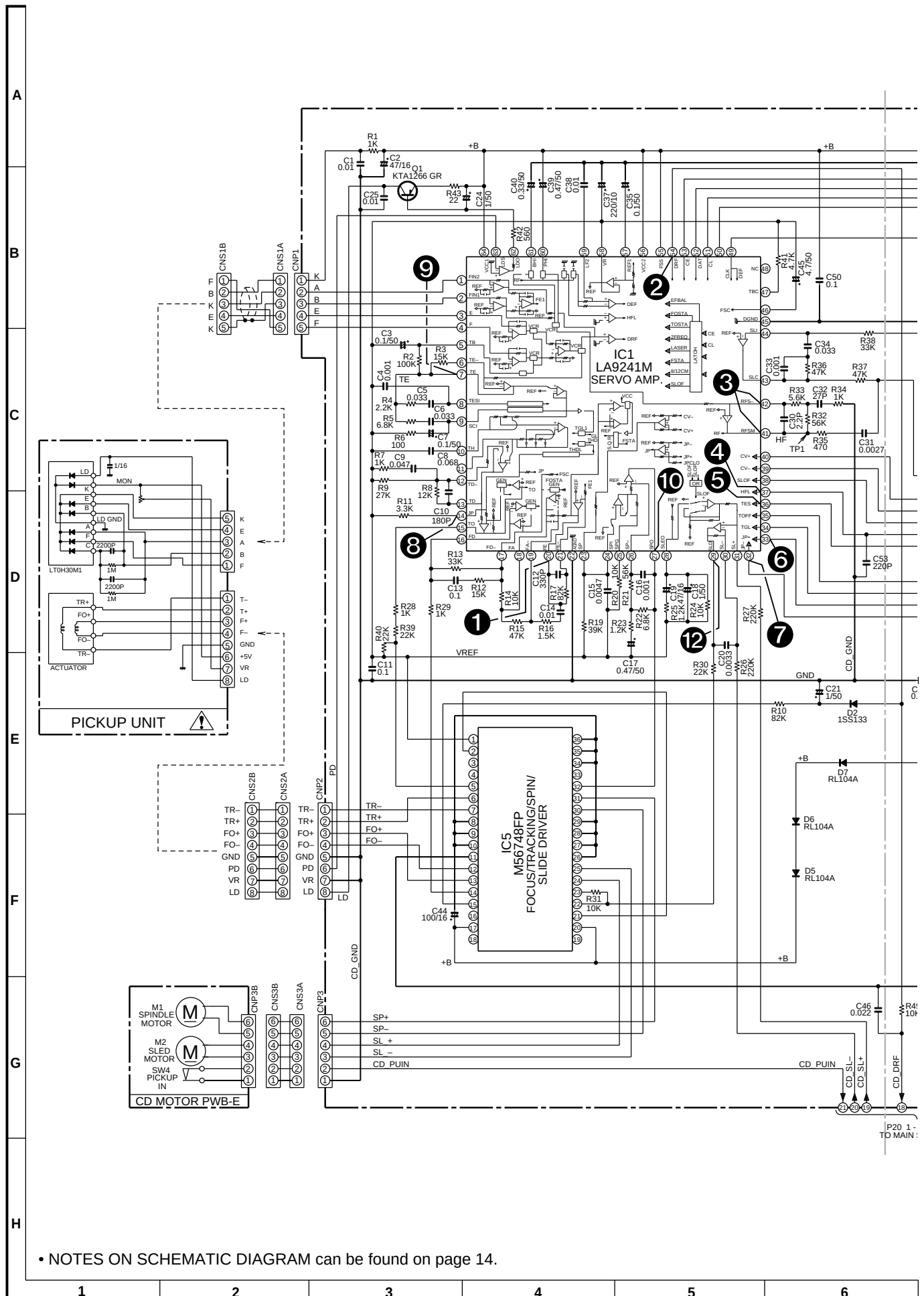


Figure 18 SCHEMATIC DIAGRAM (1/14)

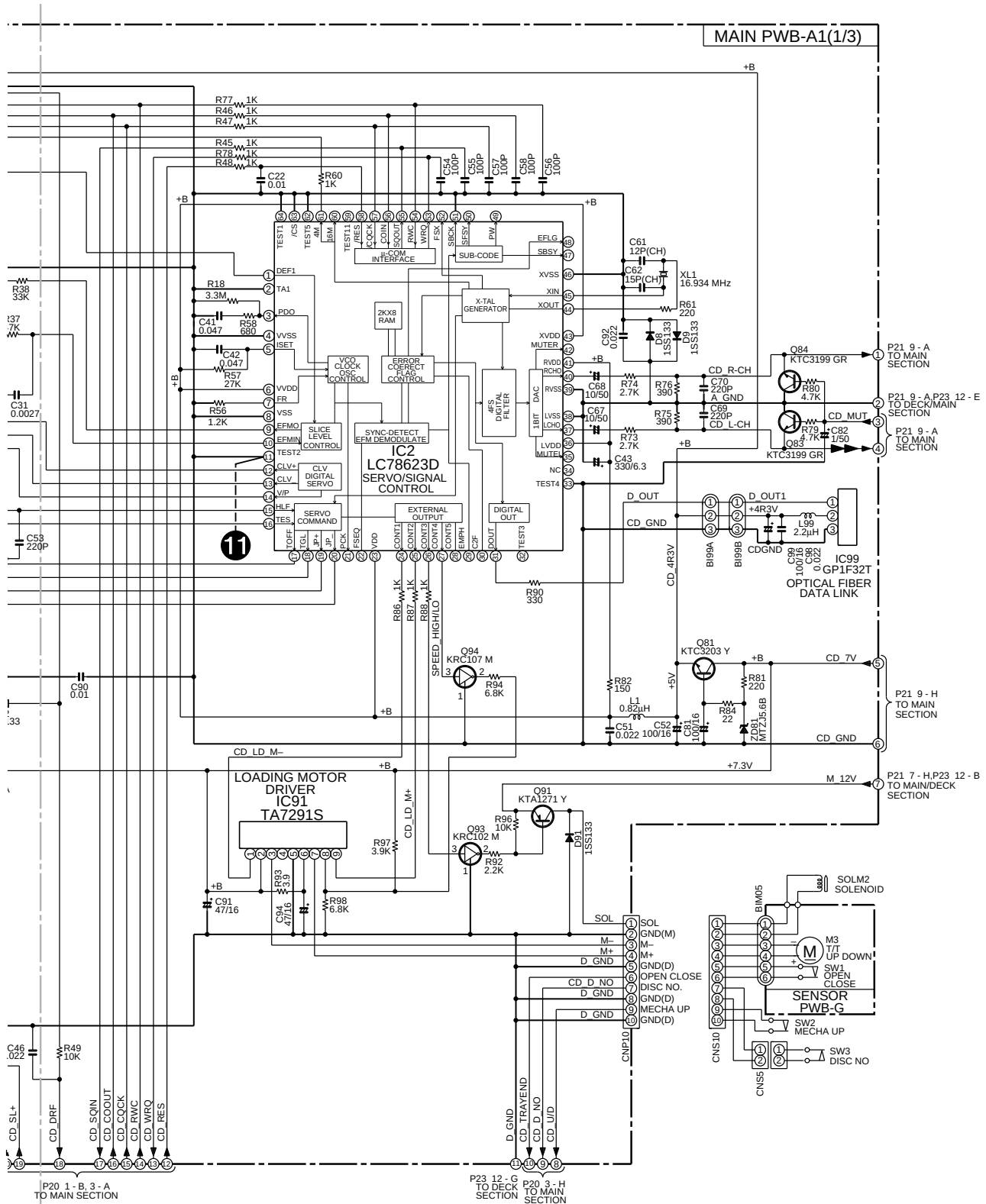


Figure 19 SCHEMATIC DIAGRAM (2/14)



- 20 -

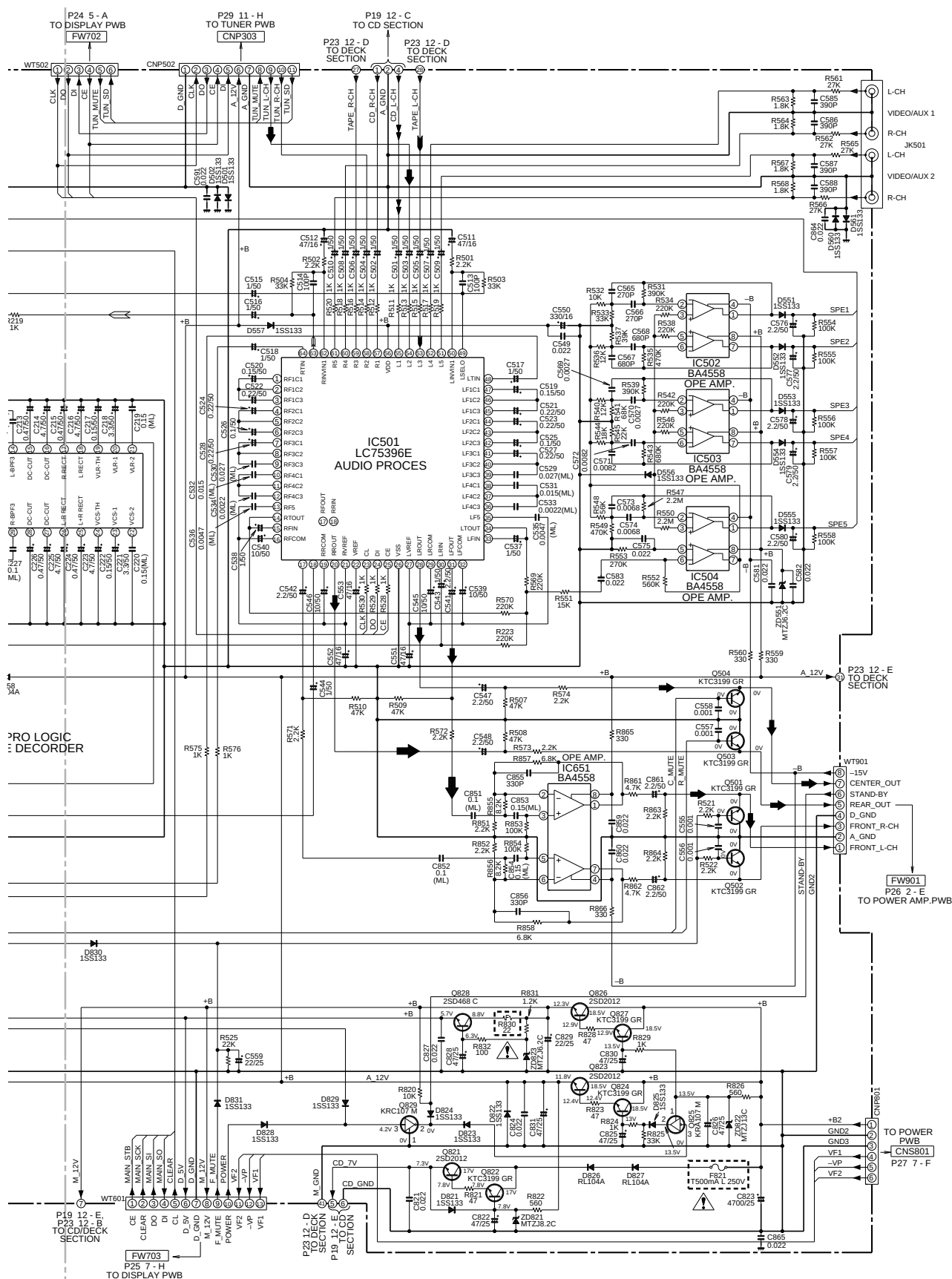


Figure 21 SCHEMATIC DIAGRAM (4/14)

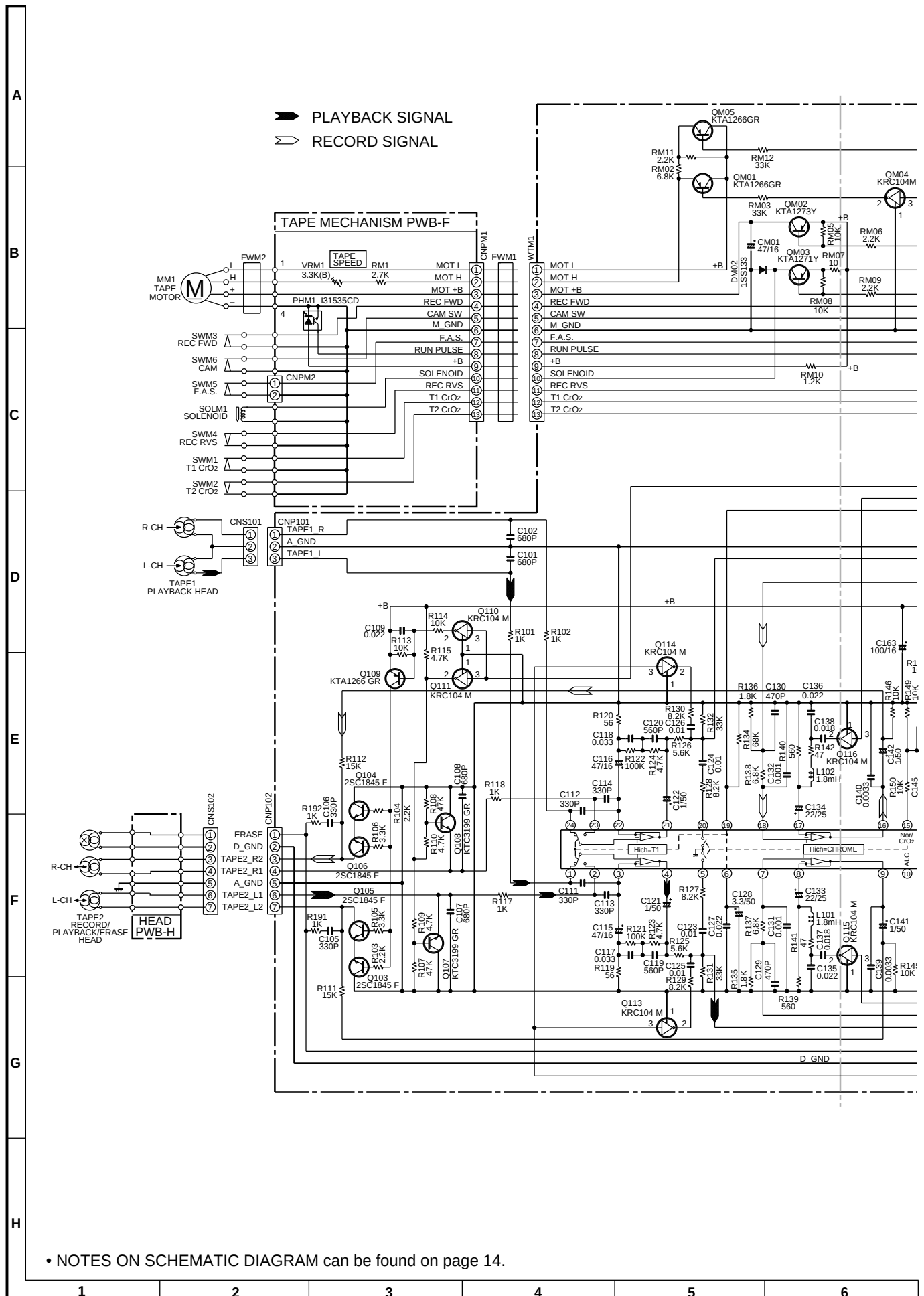


Figure 22 SCHEMATIC DIAGRAM (5/14)

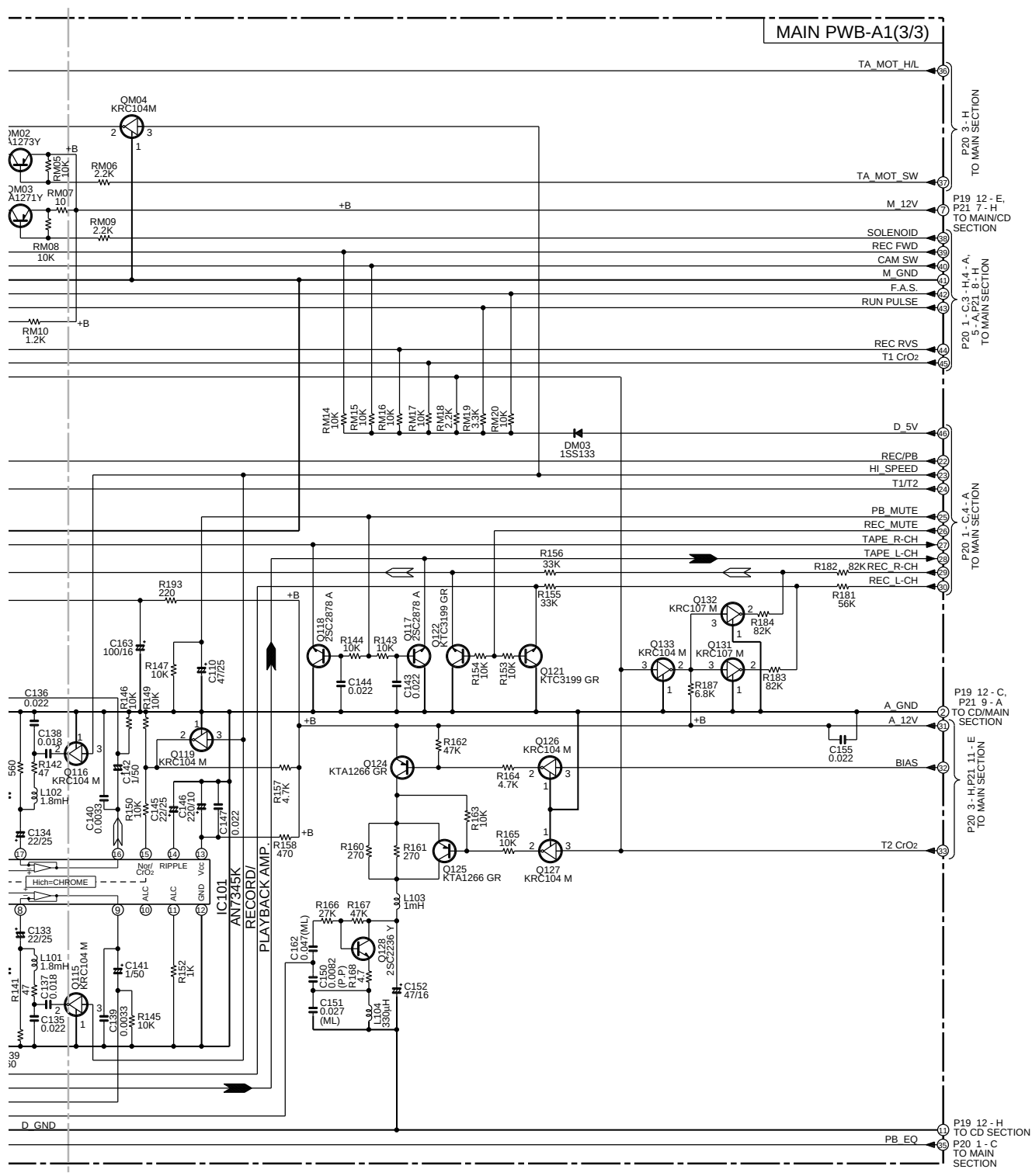


Figure 23 SCHEMATIC DIAGRAM (6/14)

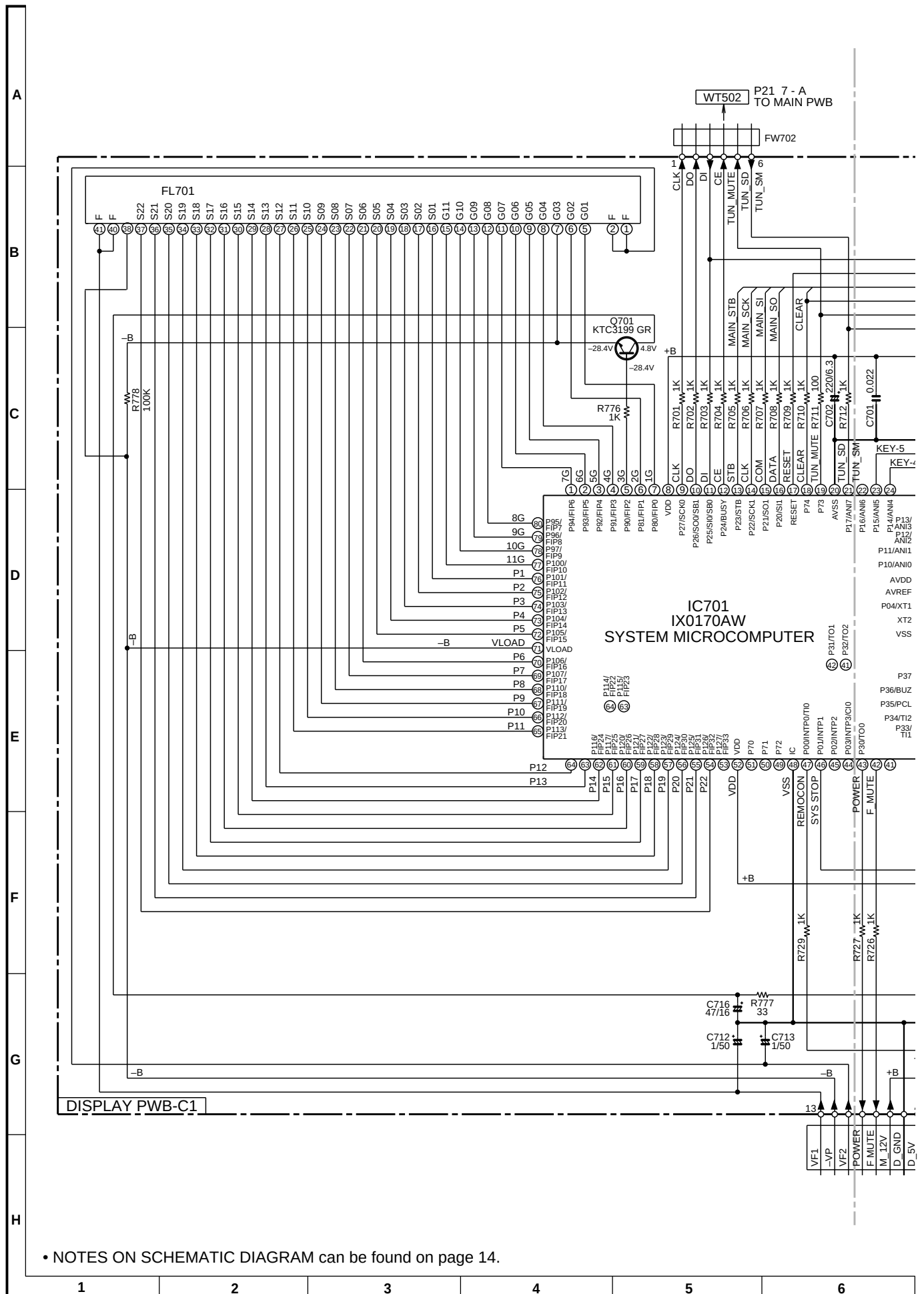


Figure 24 SCHEMATIC DIAGRAM (7/14)

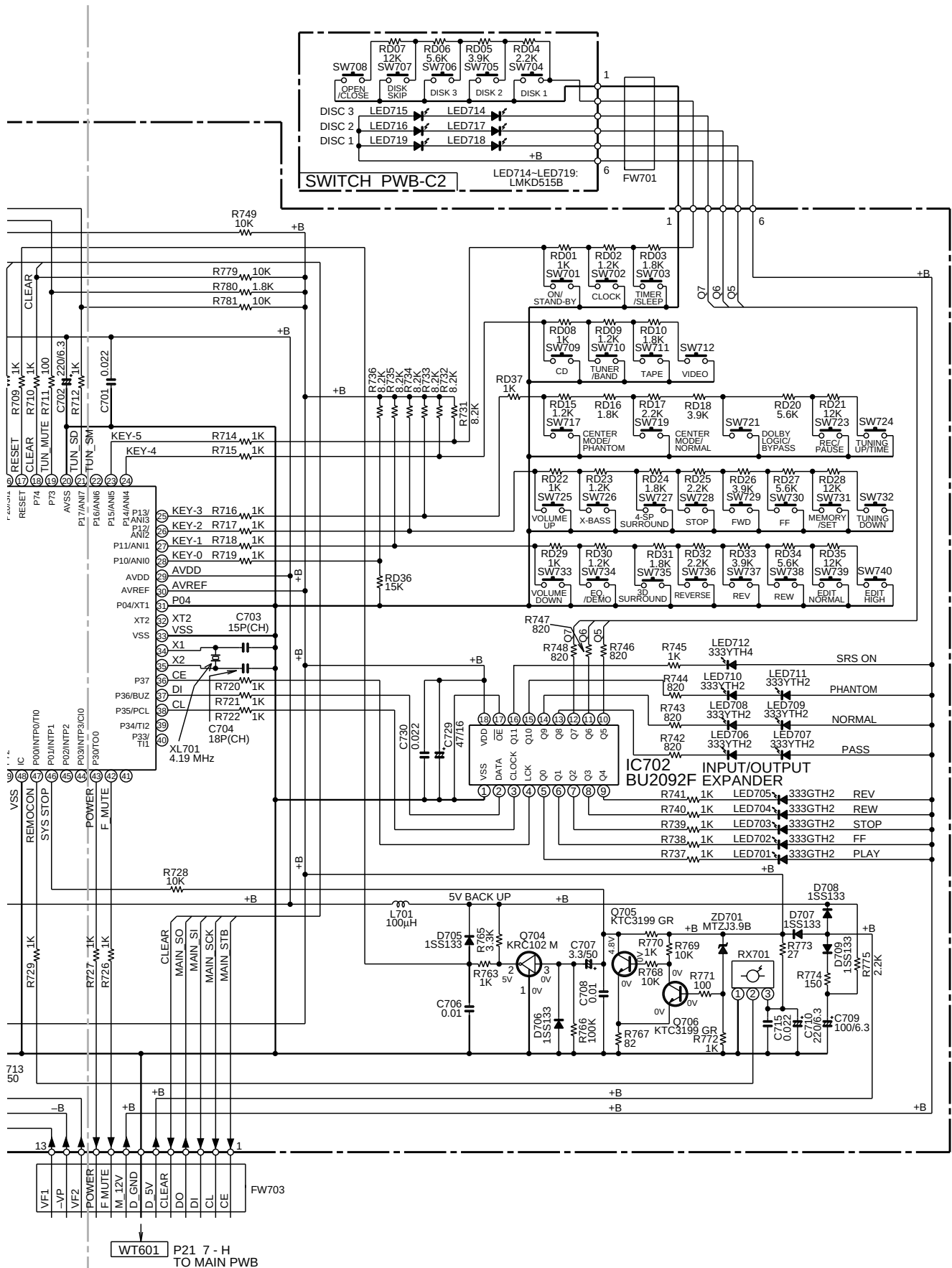


Figure 25 SCHEMATIC DIAGRAM (8/14)

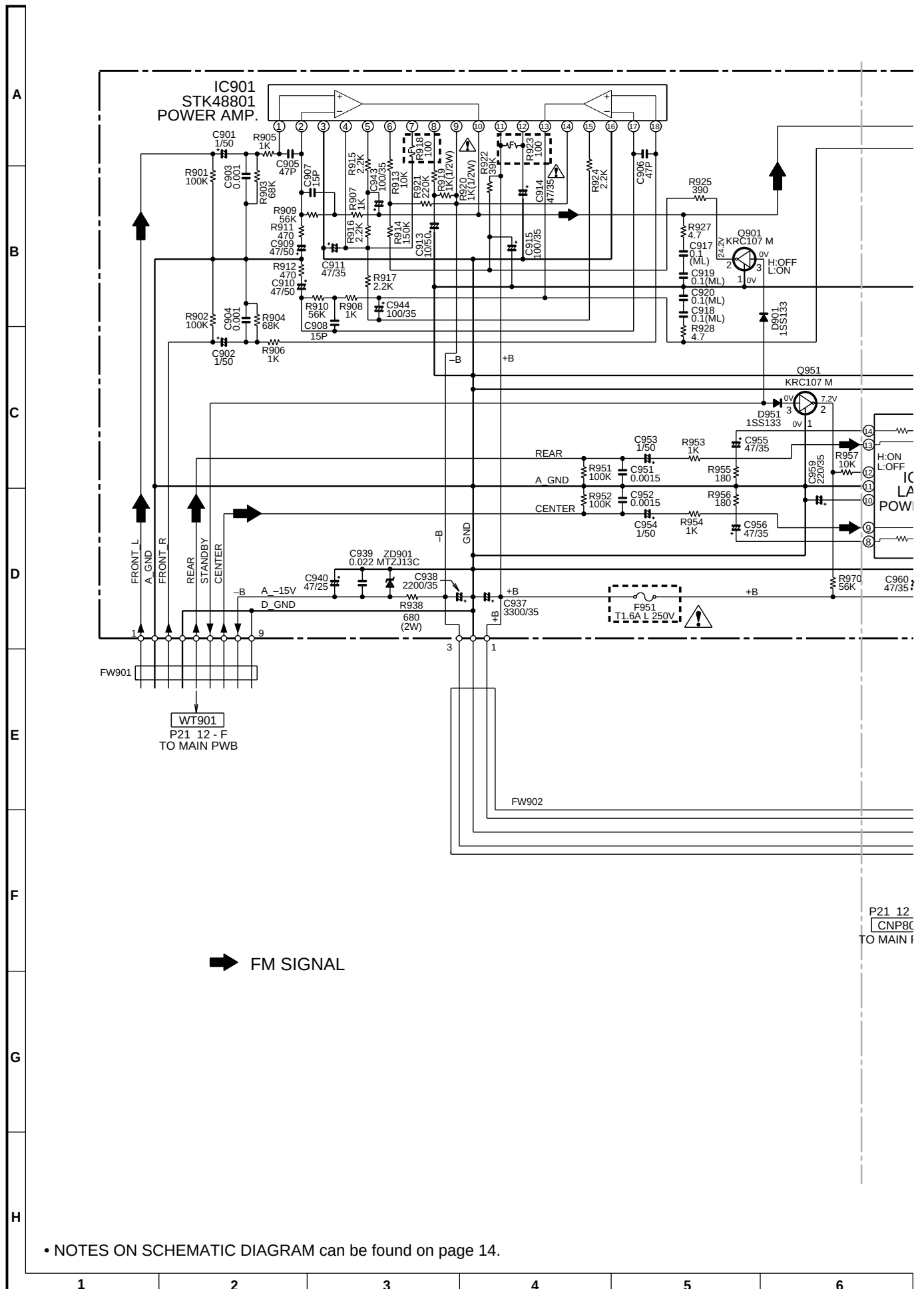


Figure 26 SCHEMATIC DIAGRAM (9/14)

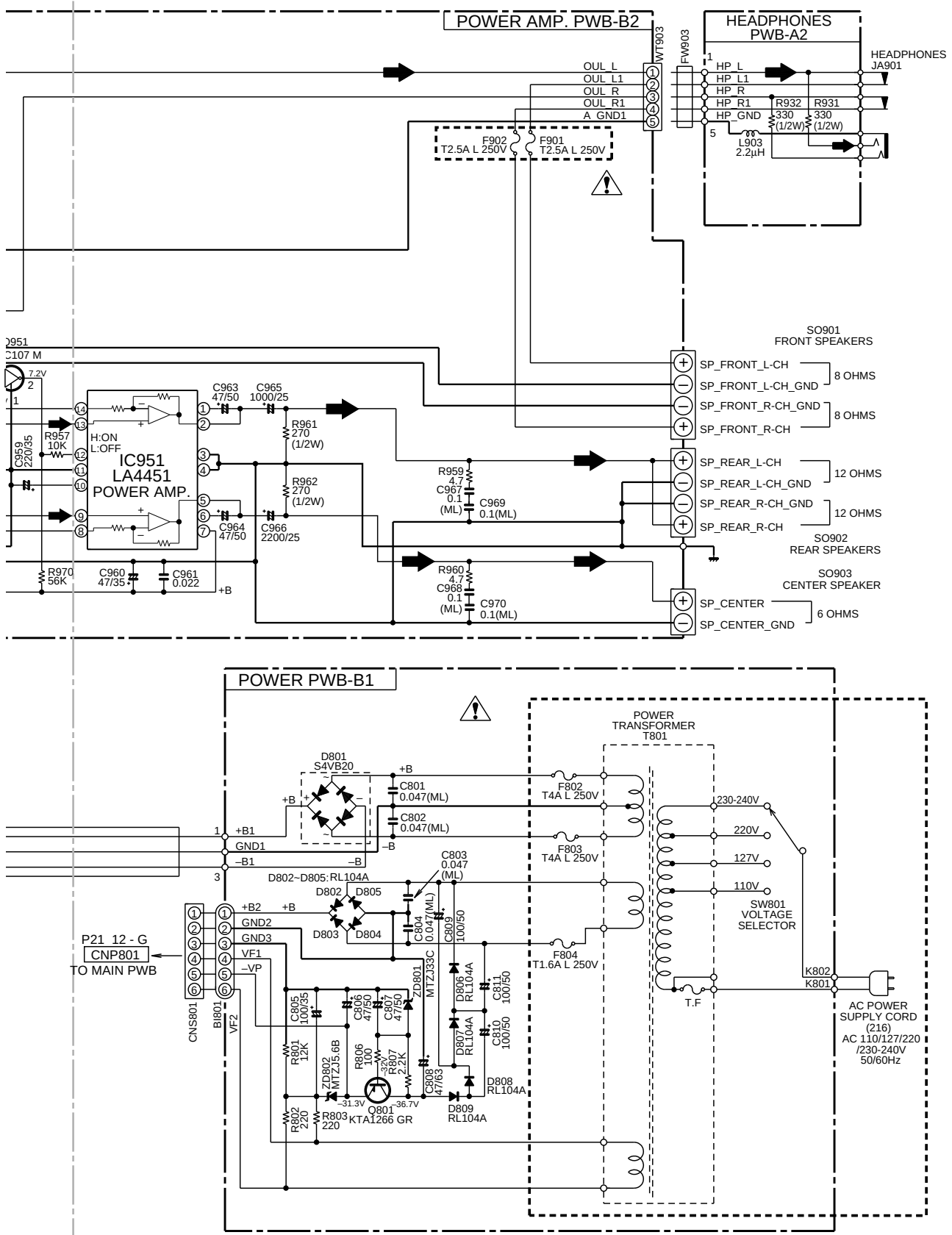


Figure 27 SCHEMATIC DIAGRAM (10/14)

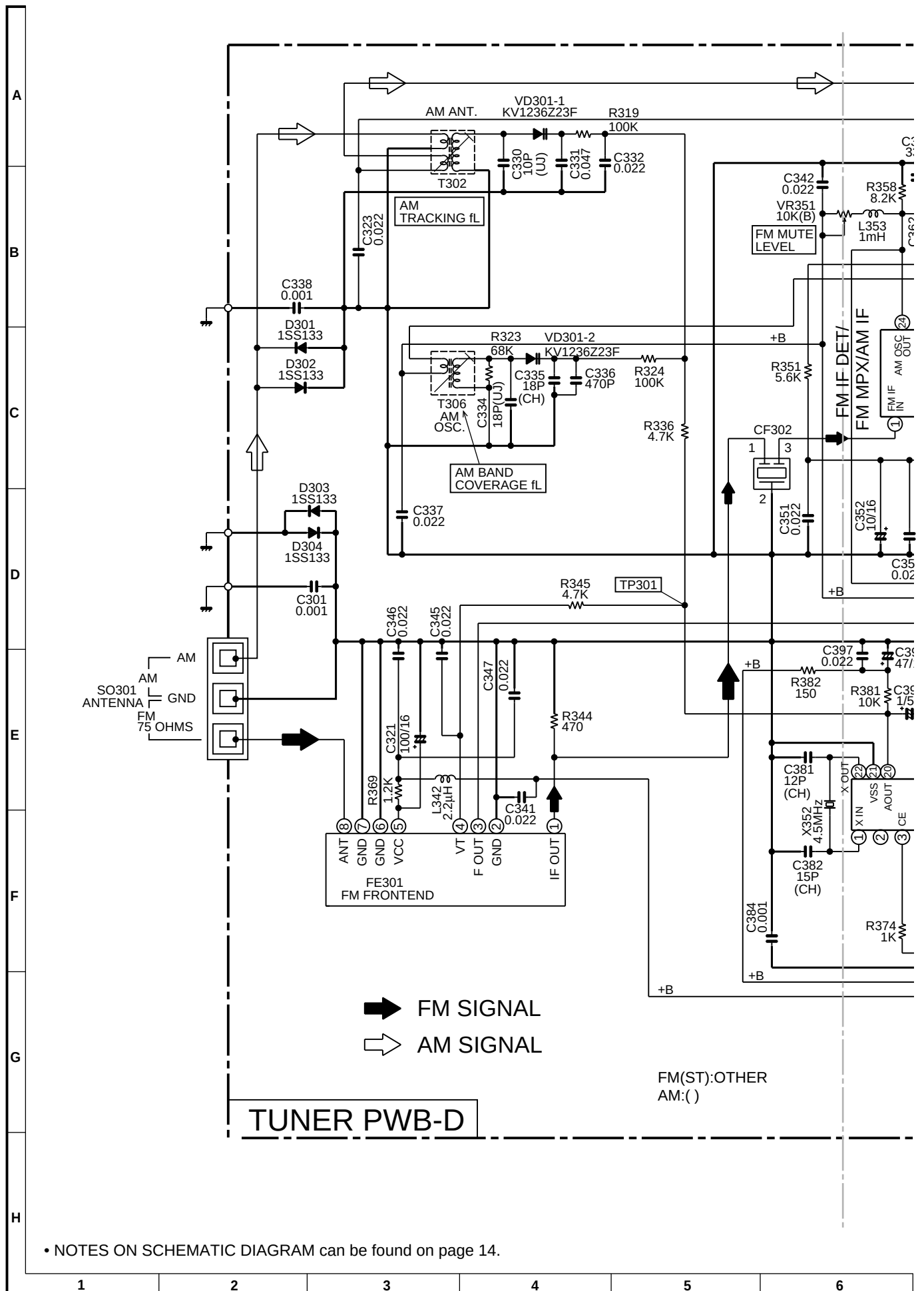


Figure 28 SCHEMATIC DIAGRAM (11/14)

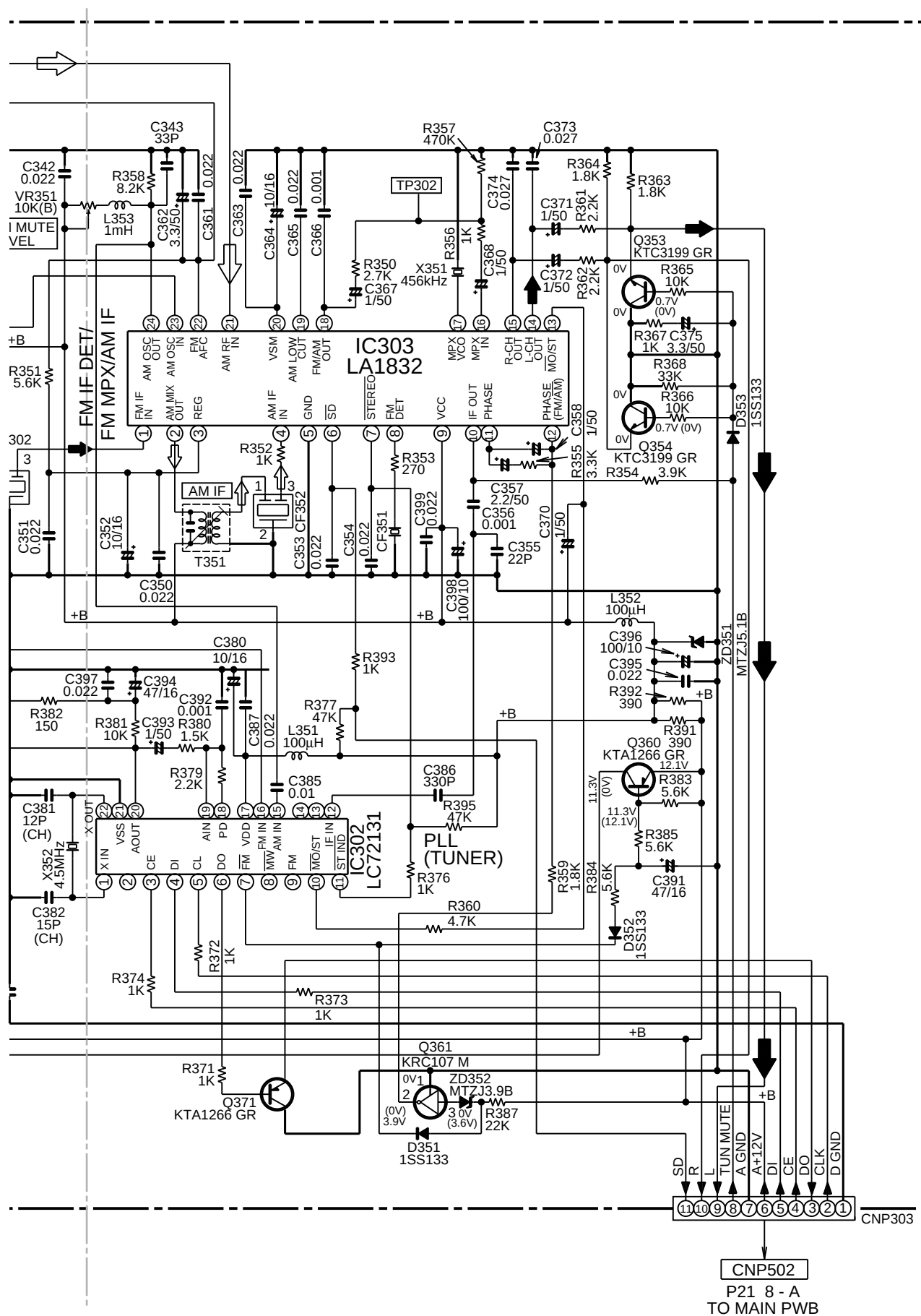


Figure 29 SCHEMATIC DIAGRAM (12/14)



- 30 -

() : CrO2PLAY
 < > : CrO2REC
 [] : CD NORMAL REC
 OTHER : CD NORMAL PLAY

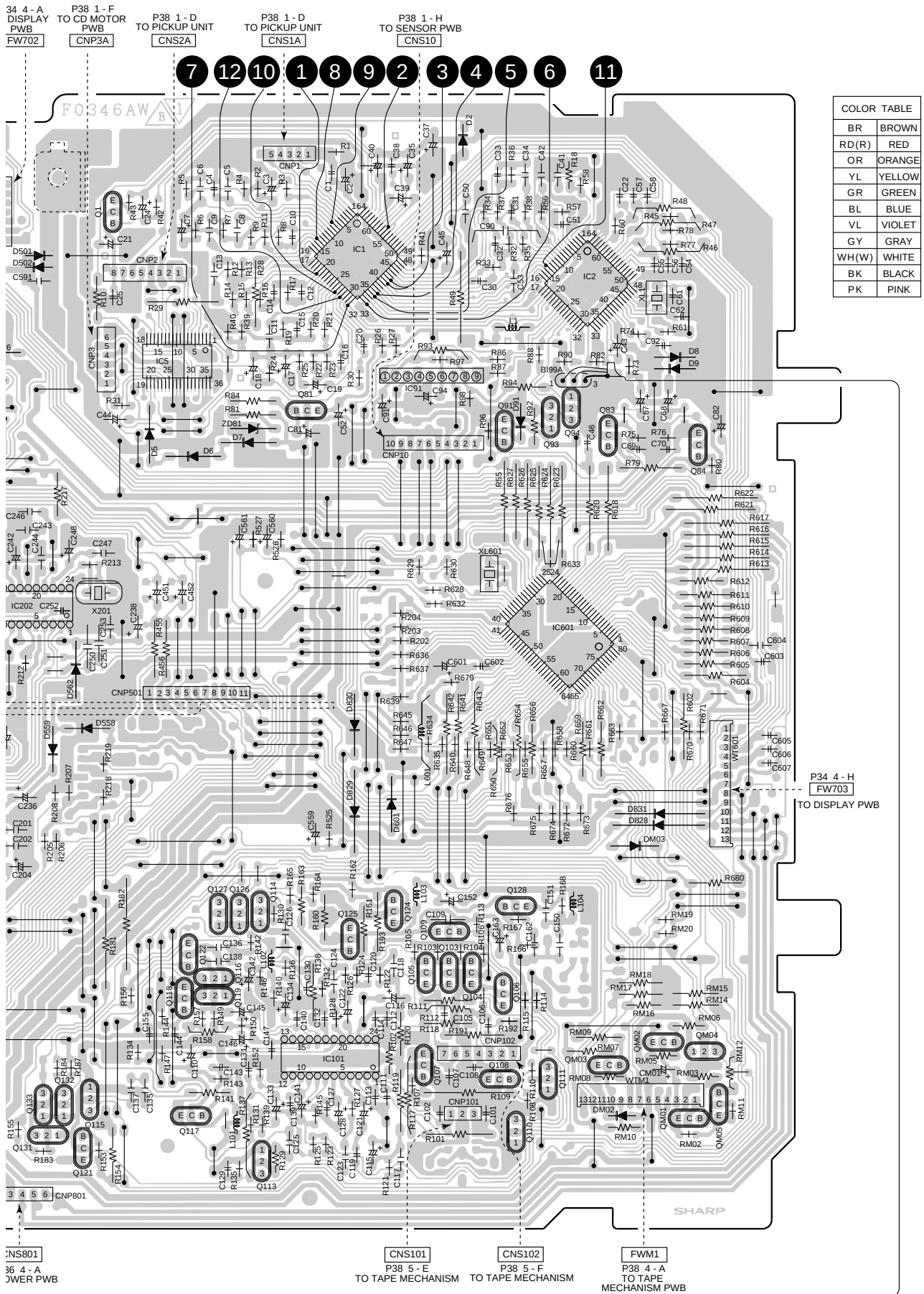
IC101		IC201		IC202		IC451		IC453		IC501		IC502		IC601			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0V(0V)	1	5.3V	1	0V	1	11.3V	1	5.7V	1	5.5V	1	0V	1	0V	41	4.9V
2	0V(0V)	2	5.2V	2	4.9V	2	5.6V	2	5.7V	2	5.5V	2	0V	2	4.9V	42	4.9V
3	0.6V(0.6V)	3	5.2V	3	4.9V	3	5.6V	3	5.7V	3	5.4V	3	0V	3	0V	43	5.4V
4	2.8V(2.6V)	4	5.2V	4	4.9V	4	5.6V	4	5.7V	4	5.3V	4	-11.7V	4	4.9V	44	4.9V
5	0V(0V)	5	5.2V	5	2.0V	5	5.6V	5	5.7V	5	5.5V	5	0V	5	4.9V	45	4.9V
6	0V (1.3V)(0V) <1.3V>	6	5.2V	6	0.7V	6	5.6V	6	12.0V	6	5.3V	6	0V	6	0V	46	4.9V
7	0V(0V)	7	5.2V	7	10.4V	7	5.6V	7	6.0V	7	5.3V	7	0V	7	0V	47	4.8V
8	0.6V(0.6V)	8	5.2V	8	5.2V	8	5.6V	8	6.0V	8	5.5V	8	4.9V	8	4.9V	48	0V
9	2.8V(2.7V)	9	5.2V	9	5.2V	9	5.6V	9	12.0V	9	5.3V	9	4.9V	9	4.9V	49	0V
10	2.8V(2.7V)	10	5.2V	10	5.2V	10	5.6V	10	12.0V	10	5.3V	10	4.9V	10	4.9V	50	12.3V
11	0V(0V)	11	0V	11	5.2V	11	5.6V	11	5.7V	11	5.5V	11	0V	11	0V	51	12.3V
12	0V(0V)	12	5.2V	12	5.2V	12	5.6V	12	0.2V	12	5.3V	12	0V	12	0V	52	4.9V
13	5.8V(5.6V)	13	5.2V	13	5.2V	13	5.6V	13	5.7V	13	5.5V	13	0V	13	0V	53	0V
14	3.6V(3.5V)	14	5.2V	14	5.2V	14	5.6V	14	0V	14	5.5V	14	4.8V	14	4.8V	54	4.9V
15	0V(0V)	15	5.2V	15	5.2V	15	0V	15	0V	15	5.5V	15	0V	15	0V	55	0V
16	2.8V(2.7V)	16	5.9V	16	5.2V	16	5.6V	16	5.5V	16	5.5V	16	0V	16	0V	56	5.2V
17	0.6V(0.6V)	17	5.2V	17	0V	17	5.6V	17	5.5V	17	5.5V	17	4.8V	17	4.8V	57	0V
18	0V(0V)	18	5.9V	18	5.2V	18	5.6V	18	5.5V	18	5.5V	18	5.5V	18	3.5V	58	0V
19	0V(1.0V)	19	5.1V	19	5.2V	19	5.6V	19	5.5V	19	5.5V	19	0V	19	0V	59	0V
20	0V(0V)	20	5.1V	20	5.2V	20	5.7V	20	5.5V	20	5.5V	20	0V	20	0V	60	0V
21	2.8V(2.6V)	21	5.1V	21	5.2V	21	5.7V	21	5.5V	21	5.5V	21	0V	21	0V	61	4.9V
22	0.6V(0.6V)	22	5.1V	22	5.3V	22	5.6V	22	5.5V	22	5.5V	22	5.2V	22	5.2V	62	4.9V
23	0V(0V)	23	5.1V	23	2.6V	23	5.6V	23	0V	23	0V	23	5.2V	23	5.2V	63	4.9V
24	0V(0V)	24	5.2V	24	2.4V	24	5.7V	24	0V	24	0V	24	0V	24	0V	64	4.9V
		25	5.9V	25	5.7V	25	5.7V	25	0V	25	0V	25	0V	25	0V	65	4.9V
		26	5.2V	26	5.6V	26	5.6V	26	0V	26	0V	26	0V	26	0V	66	4.9V
		27	5.9V	27	5.6V	27	5.6V	27	5.5V	27	5.5V	27	0V	27	0V	67	5.2V
		28	5.2V	28	5.6V	28	5.6V	28	5.5V	28	5.5V	28	0V	28	0V	68	5.2V
		29	5.2V	29	5.5V	29	5.5V	29	5.5V	29	5.5V	29	0V	29	4.9V	69	4.8V
		30	5.2V	30	5.2V	30	5.5V	30	5.5V	30	5.5V	30	4.9V	30	4.9V	70	4.9V
		31	5.2V	31	5.2V	31	5.5V	31	5.5V	31	5.5V	31	5.2V	31	5.2V	71	0V
		32	5.2V	32	5.2V	32	5.5V	32	5.5V	32	5.5V	32	0V	32	0V	72	0V
		33	5.2V	33	5.2V	33	5.5V	33	5.5V	33	5.5V	33	0V	33	0V	73	0V
		34	5.2V	34	5.2V	34	5.5V	34	5.5V	34	5.5V	34	2.3V	34	2.3V	74	0V
		35	5.2V	35	5.2V	35	5.5V	35	5.5V	35	5.5V	35	0V	35	2.3V	75	0V
		36	5.2V	36	5.2V	36	5.3V	36	5.3V	36	5.3V	36	4.9V	36	4.9V	76	4.9V
		37	5.2V	37	5.2V	37	5.5V	37	5.5V	37	5.5V	37	4.9V	37	4.9V	77	0V
		38	10.3V	38	10.3V	38	5.3V	38	5.3V	38	5.3V	38	4.9V	38	4.9V	78	0V
		39	0V	39	0V	39	5.3V	39	5.3V	39	5.3V	39	4.9V	39	4.9V	79	0V
		40	4.9V	40	4.9V	40	5.5V	40	5.5V	40	5.5V	40	0V	40	0V	80	4.9V
		41	4.9V	41	4.9V	41	5.3V	41	5.3V	41	5.3V						
		42	4.9V	42	4.9V	42	5.3V	42	5.3V	42	5.3V						
						43	5.5V	43	5.5V	43	5.5V						
						44	5.3V	44	5.3V	44	5.3V						
						45	5.3V	45	5.3V	45	5.3V						
						46	5.5V	46	5.5V	46	5.5V						
						47	5.5V	47	5.5V	47	5.5V						
						48	5.5V	48	5.5V	48	5.5V						
						49	5.5V	49	5.5V	49	5.5V						
						50	5.5V	50	5.5V	50	5.5V						
						51	5.5V	51	5.5V	51	5.5V						
						52	5.5V	52	5.5V	52	5.5V						
						53	5.5V	53	5.5V	53	5.5V						
						54	5.5V	54	5.5V	54	5.5V						
						55	5.5V	55	5.5V	55	5.5V						
						56	11.0V	56	11.0V	56	11.0V						
						57	5.5V	57	5.5V	57	5.5V						
						58	5.5V	58	5.5V	58	5.5V						
						59	5.5V	59	5.5V	59	5.5V						
						60	5.5V	60	5.5V	60	5.5V						
						61	5.5V	61	5.5V	61	5.5V						
						62	5.5V	62	5.5V	62	5.5V						
						63	5.5V	63	5.5V	63	5.5V						
						64	5.5V	64	5.5V	64	5.5V						

IC651		IC701				IC702		IC901		IC951	
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0V	1	-28.4V	41	0V	1	0V	1	0V	1	26.7V
2	0V	2	-28.4V	42	0V	2	1.0V	2	0V	2	15.4V
3	0V	3	-28.4V	43	4.9V	3	1.0V	3	0V	3	0V
4	-13.2V	4	-28.4V	44	0V	4	1.0V	4	-27.5V	4	0V
5	0V	5	-28.4V	45	0V	5	0V	5	-1.4V	5	15.4V
6	0V	6	-28.4V	46	4.8V	6	1.8V	6	2.2V	6	26.7V
7	0V	7	-28.4V	47	4.7V	7	1.8V	7	-29.2V	7	29.8V
8	11.0V	8	4.85V	48	0V	8	1.8V	8	-29.9V	8	1.3V
		9	4.85V	49	0V	9	10.6V	9	-30.1V	9	0V
		10	0V	50	0V	10	9.1V	10	0V	10	28.7V
		11	4.75V	51	0V	11	1.8V	11	29.9V	11	0V
		12	0V	52	4.9V	12	9.1V	12	28.4V	12	3.3V
		13	3.3V	53	4.9V	13	1.8V	13	0V	13	0V
		14	4.7V	54	-22V	14	9.4V	14	-30.1V	14	1.3V
		15	0V	55	-28.2V	15	9.3V	15	0V		
		16	0V	56	-18.9V	16	10.8V	16	0V		
		17	5.0V	57	-31.3V	17	0V	17	0V		
		18	4.8V	58	-31.3V	18	4.8V	18	0V		
		19	4.8V	59	-31.3V						
		20	0V	60	-25.1V						
		21	4.8V	61	-15.9V						
		22	4.8V	62	-22.2V						
		23	4.8V	63	-22.2V						
		24	4.8V	64	-18.9V						
		25	4.8V	65	-13.0V						
		26	4.8V	66	-31.3V						
		27	4.8V	67	-28.2V						
		28	3.1V	68	-31.3V						
		29	4.9V	69	-19.0V						
		30	4.8V	70	-31.3V						
		31	0V	71	-31.4V						
		32	4.8V	72	-31.3V						
		33	0V	73	-31.3V						
		34	2.3V	74	-31.3V						
		35	2.1V	75	-31.3V						
		36	0V	76	-22.1V						
		37	0V	77	-28.4V						
		38	0V	78	-28.4V						
		39	0V	79	-28.4V						
		40	0V	80	-28.4V						

()AM
OTHER:FM(ST)

IC302		IC303	
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	2.6V	1	2.2V
2	0V	2	5.1V
3	0V	3	2.2V
4	0V	4	2.2V
5	4.8V	5	0V
6	0.5V(5V)	6	5.0V
7	0.3V(12.3V)	7	5.1V
8	12V(0V)	8	2.9V(3.6V)
9	0.4V(0V)	9	5.1V
10	4V(0V)	10	3.5V(0.3V)
11	5.1V(5.1V)	11	3.9V(1.9V)
12	0V	12	3.9V(1.2V)
13	0V	13	4.0V
14	0V	14	1.4V
15	0V(2.5V)	15	1.4V
16	2.5V(0V)	16	2.2V
17	5.1V	17	2.4V(0V)
18	0.9V	18	2.4V(0.9V)
19	0.9V	19	0V(0.9V)
20	1.9V(1.1V)	20	0.9V(0.9V)
21	0V	21	2.5V(2.1V)
22	2.6V	22	2.5V(2.1V)
		23	5.1V(5.1V)
		24	3.6V(3.6V)

- 32 -



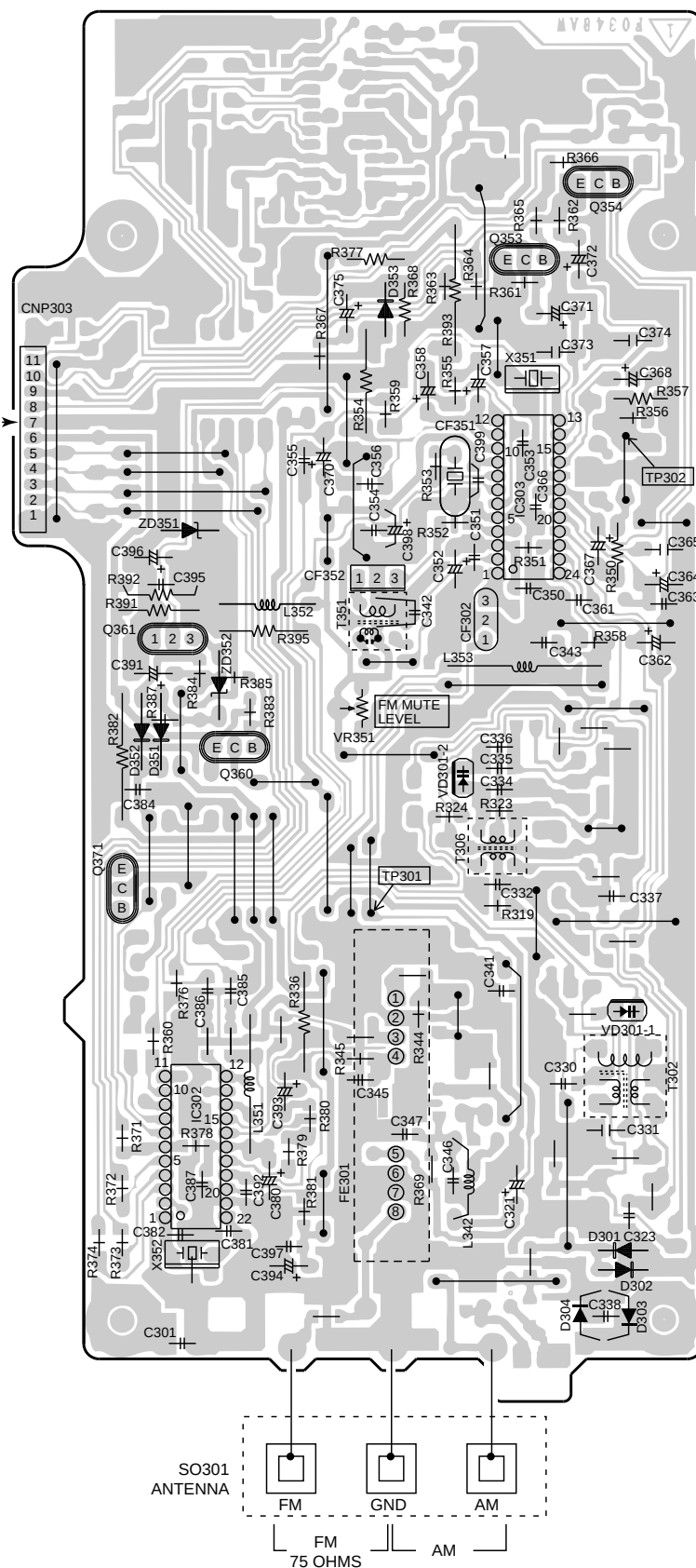


COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

- 34 -

TUNER PWB-D

P32 6 - A
CNP502
TO MAIN PWB



7	8	9	10	11	12
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Figure 35 WIRING SIDE OF P.W.BOARD (4/7)

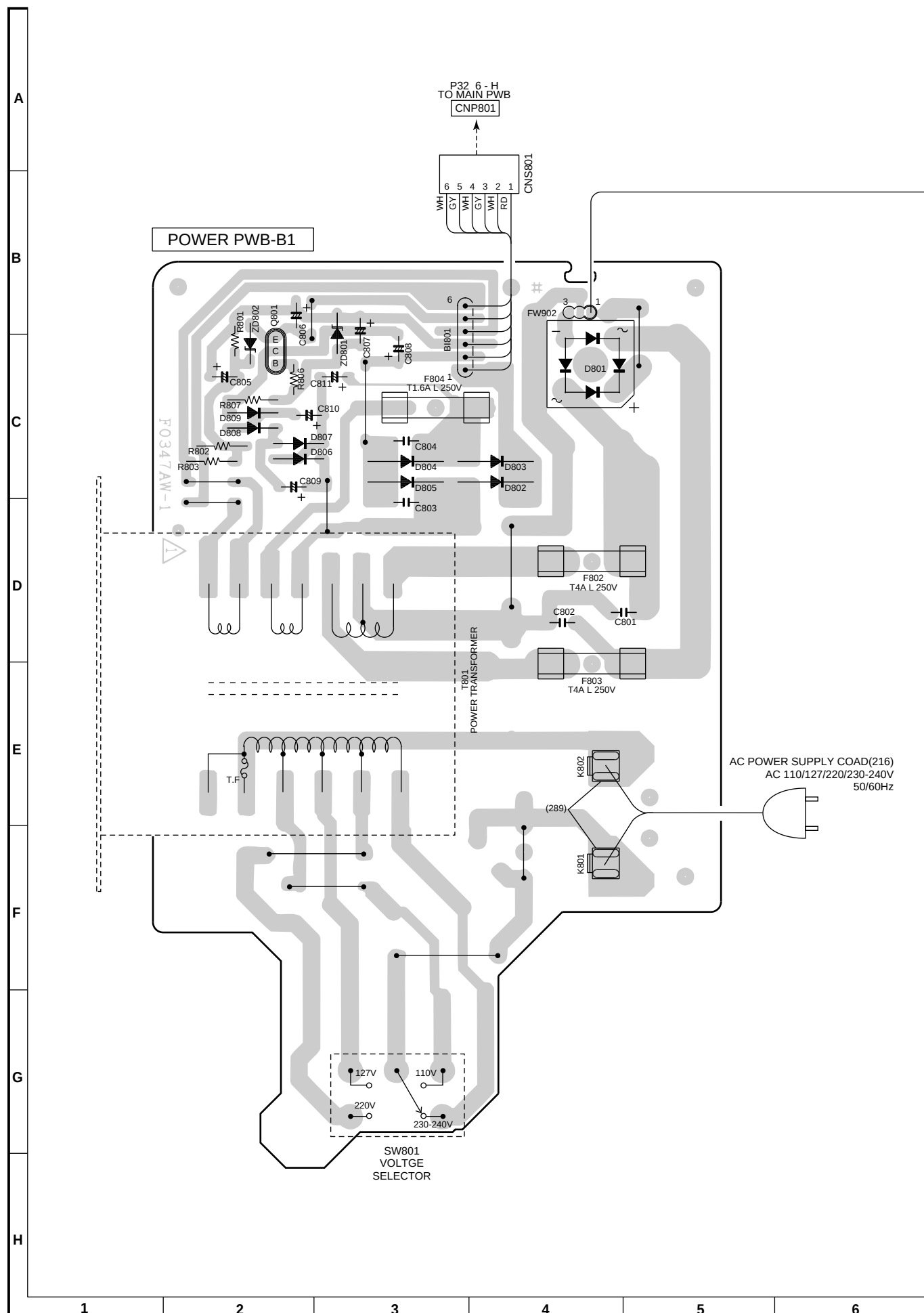


Figure 36 WIRING SIDE OF P.W.BOARD (5/7)

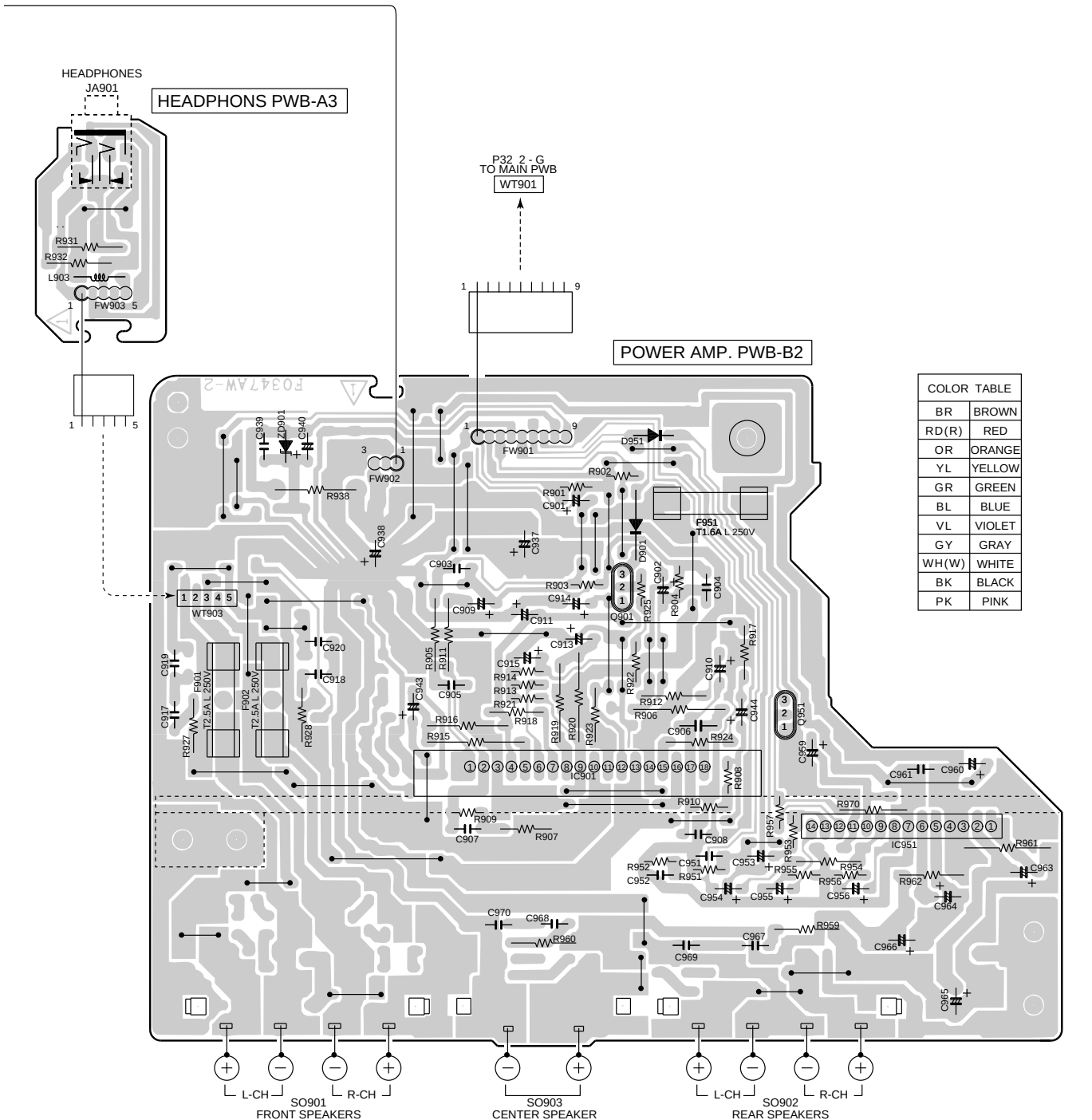


Figure 37 WIRING SIDE OF P.W.BOARD (6/7)

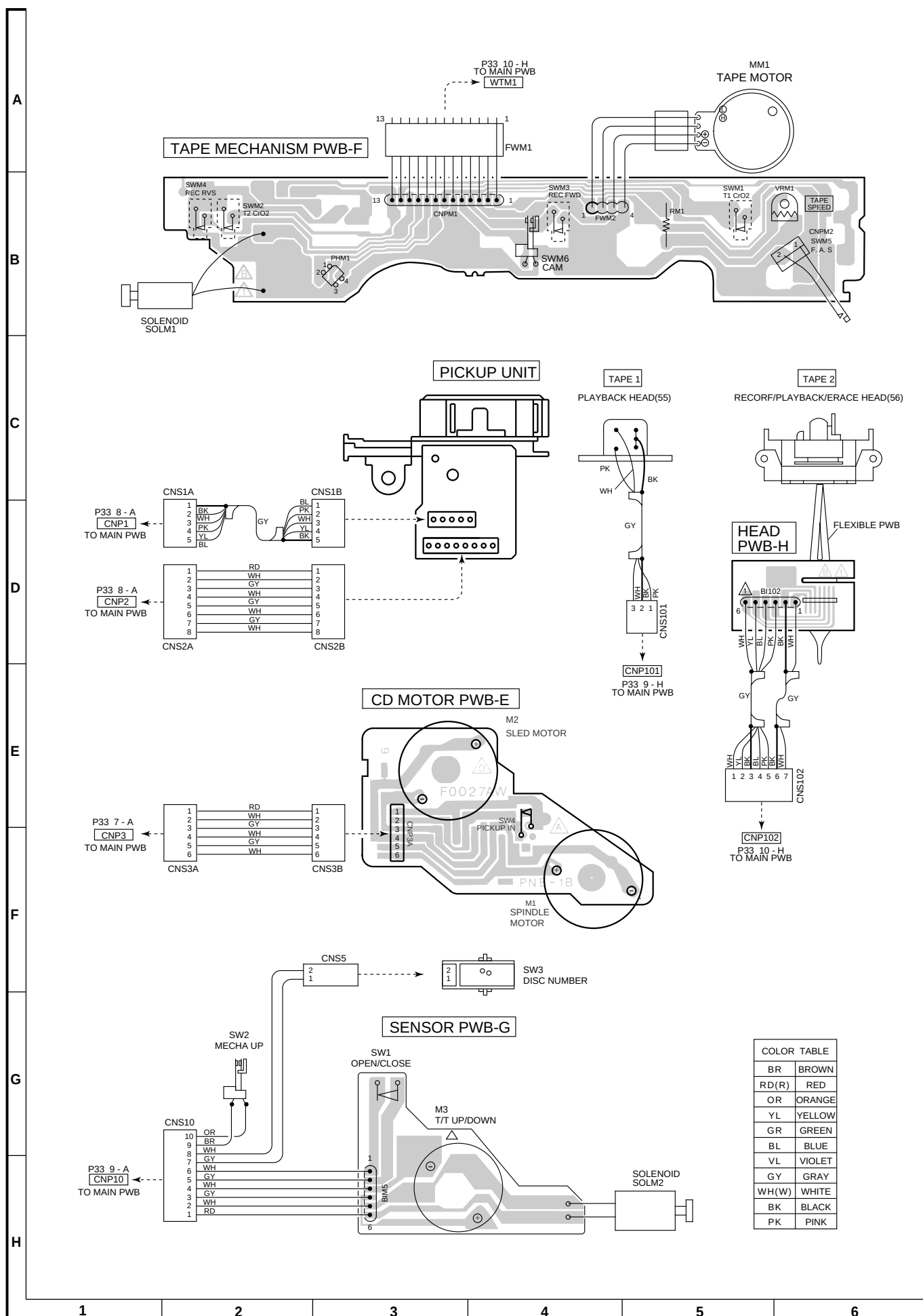
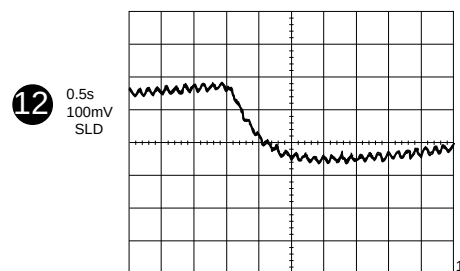
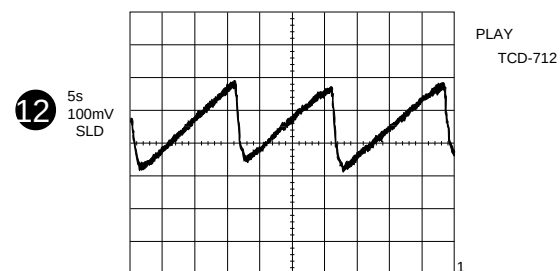
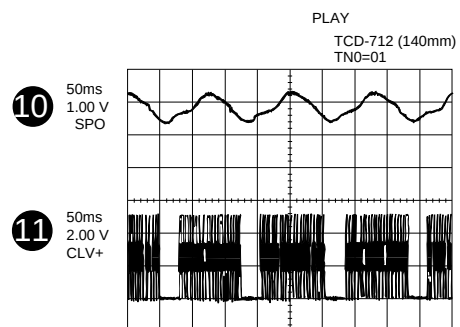
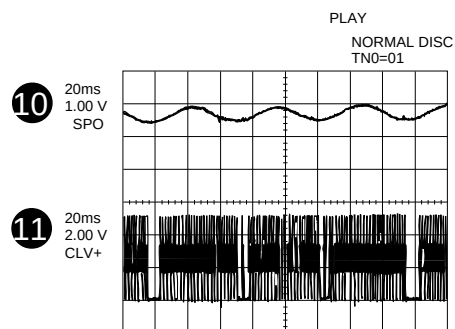
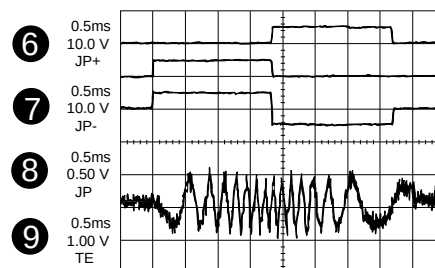
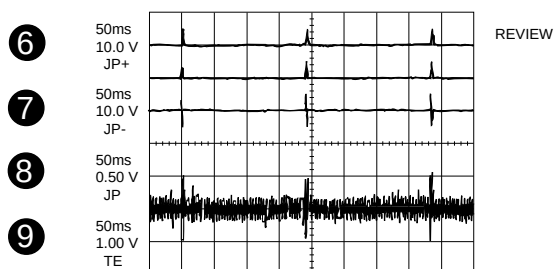
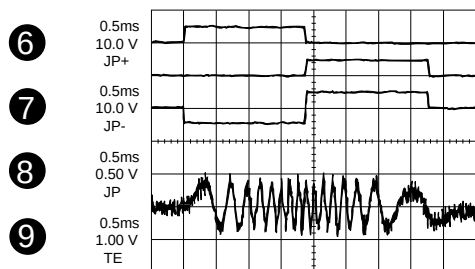
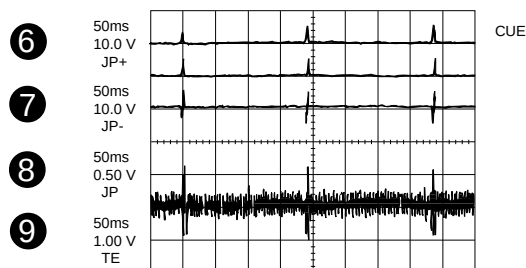
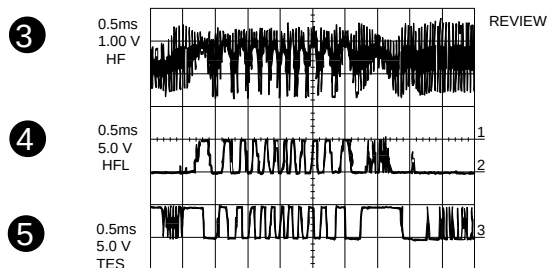
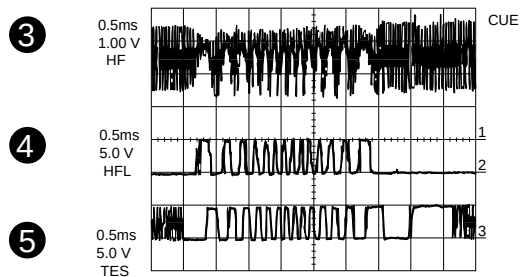
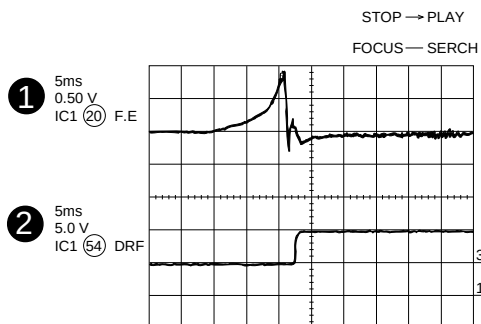


Figure 38 WIRING SIDE OF P.W.BOARD (7/7)

WAVEFORMS OF CD CIRCUIT



TROUBLESHOOTING (CD SECTION)

When the CD does not function

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

Remove the cabinet and follow the troubleshooting instructions.

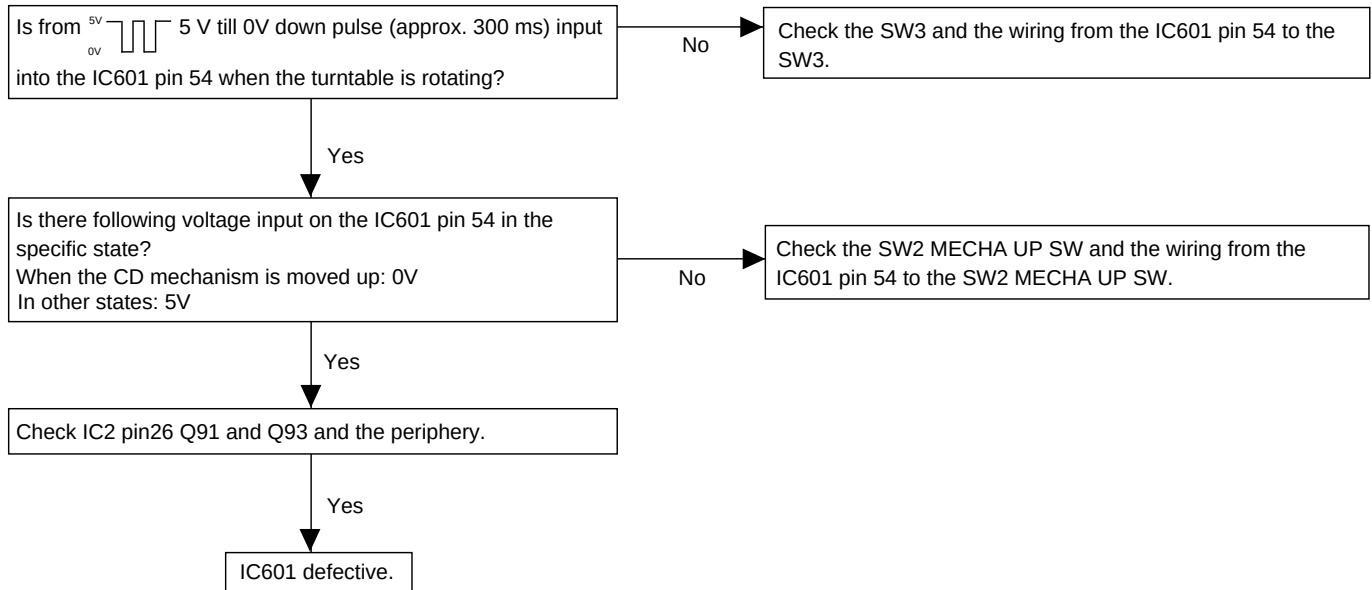
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust or other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

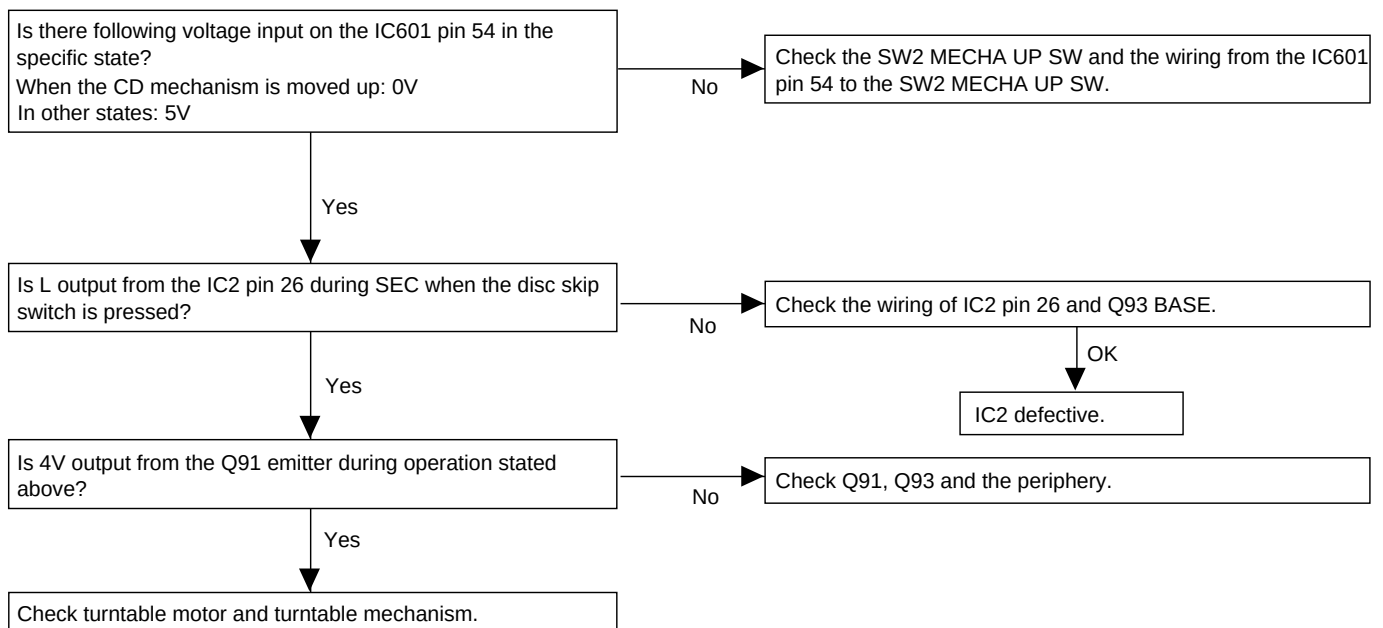
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

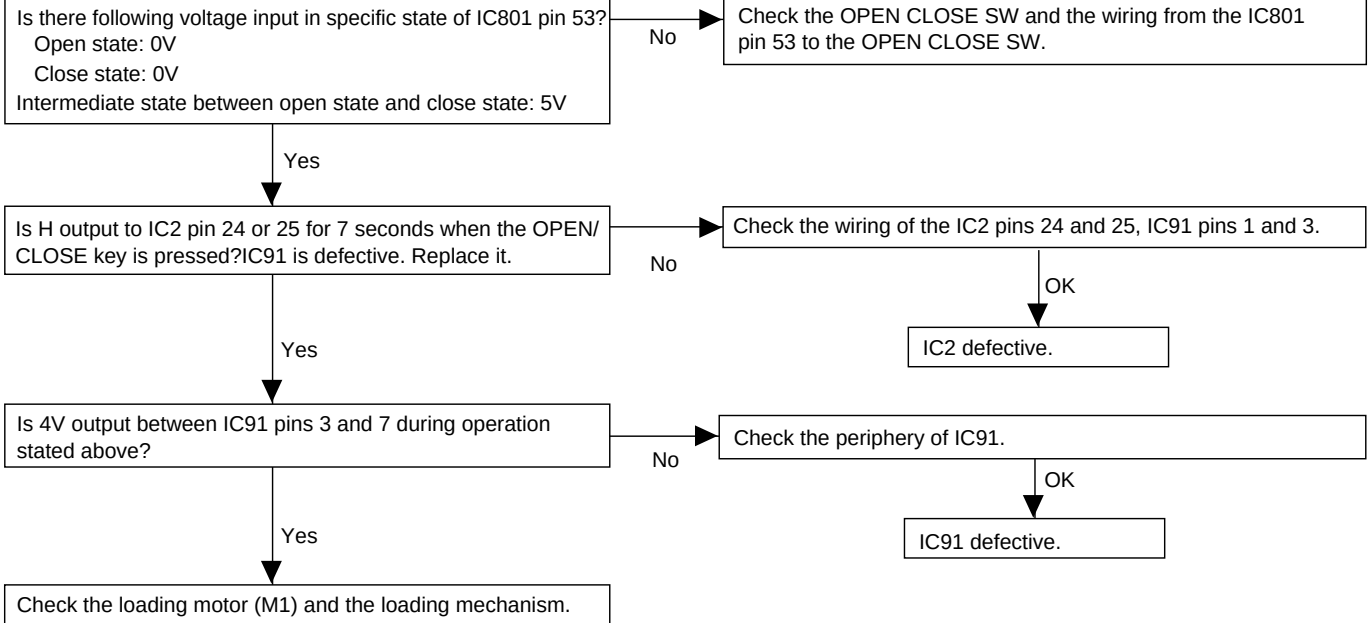
• When the turntable fails to stop.



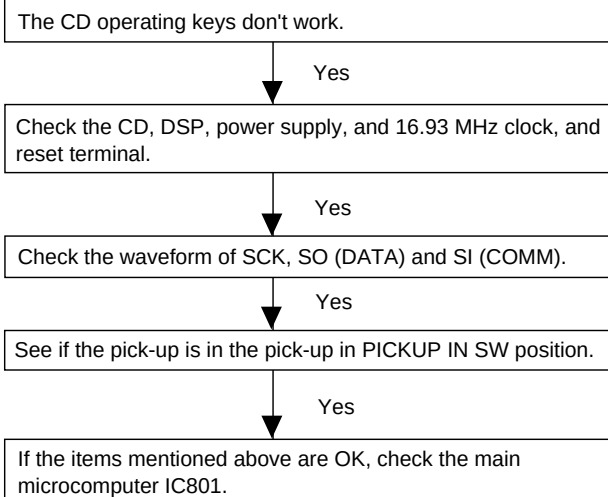
• When turntable fails to move.



• When the CD tray fails to open or close.



• The CD function will not work.



• The CD operating keys work.

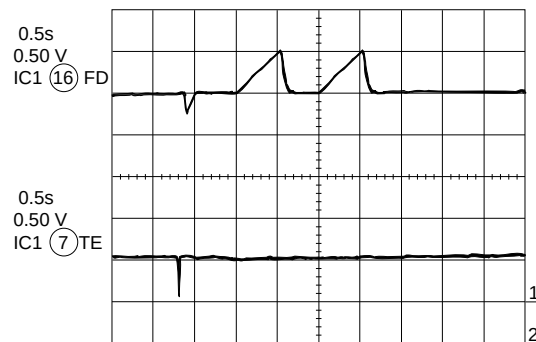
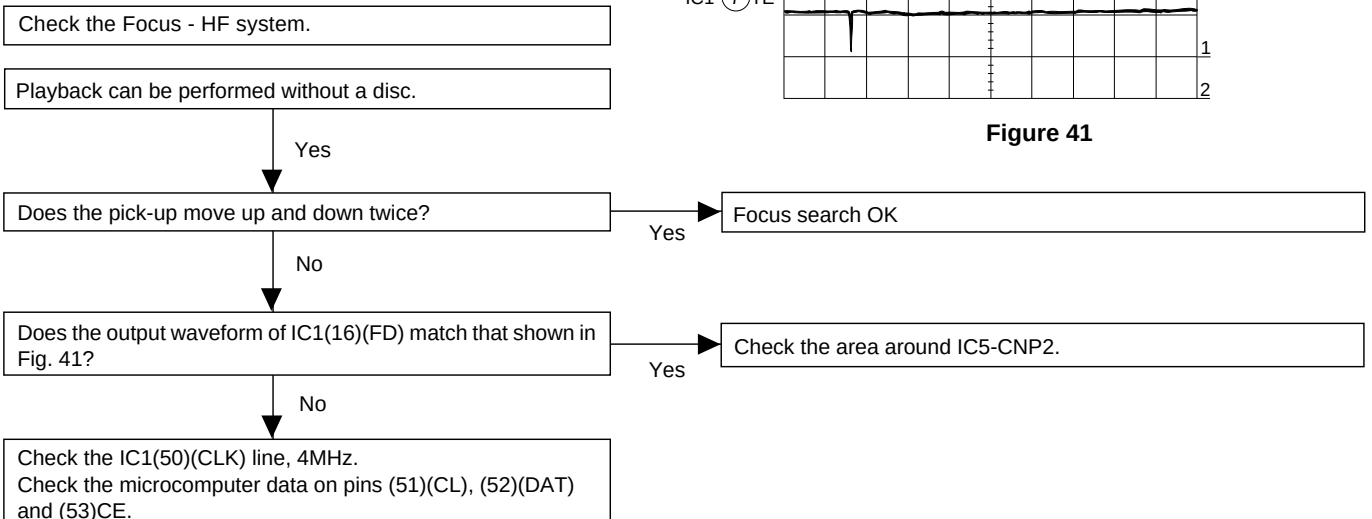
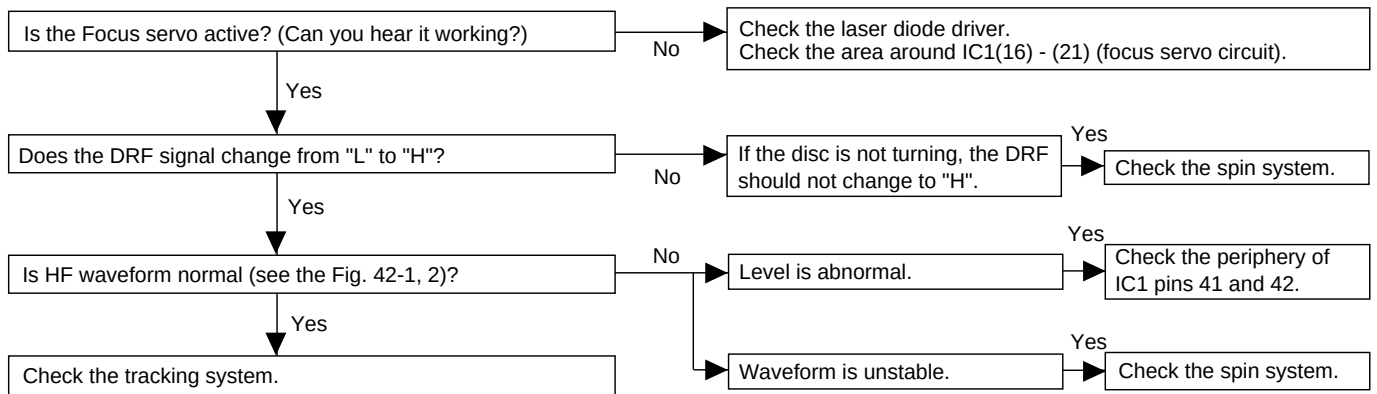


Figure 41

CD-C480W,CP-C480W

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



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

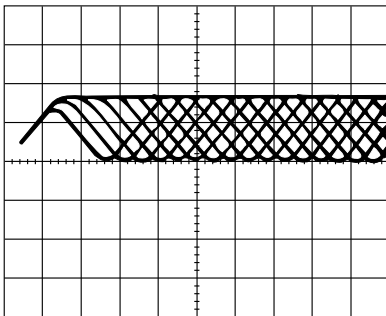


Figure 42-1

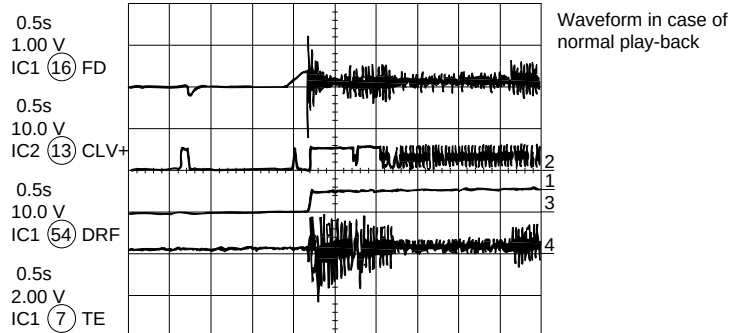
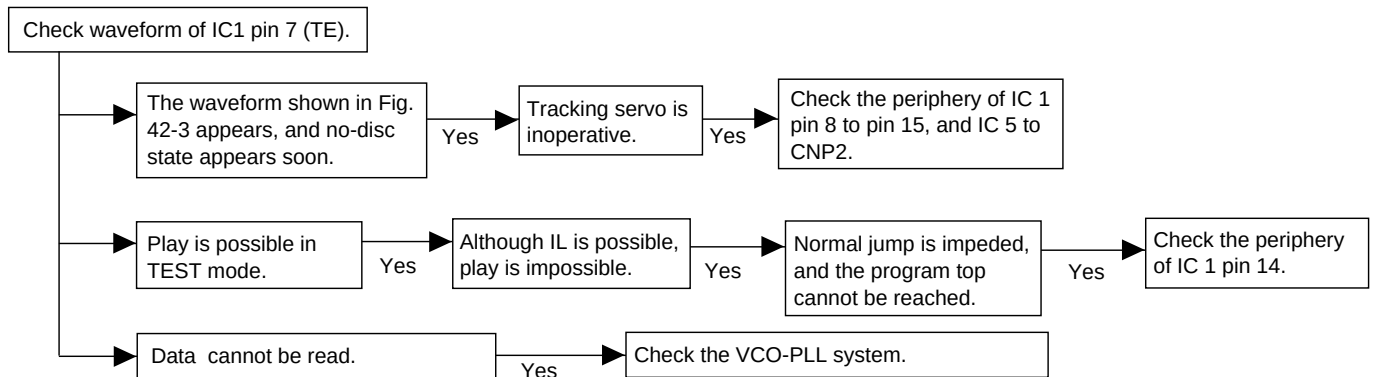


Figure 42-2

- Check the tracking system.



5ms
1.00 V
IC1 (7) TE

5 ms
5.0 V
IC1 (54) DRF

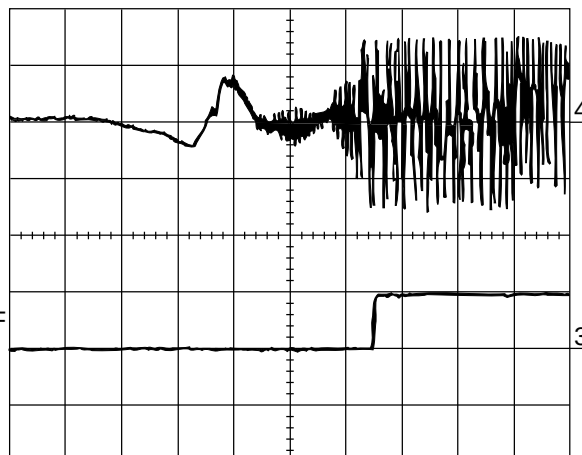


Figure 42-3

• Checking the spin system.

Play operation is performed without disc.

Yes

The turntable rotates a little.

Yes

The spin driver circuit is normal.

No

The turntable fails to rotate or rotates at high speed.

Yes

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

• Checking the VCO-PLL system

Play operation is performed when disc exits.

Yes

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

Yes

Check PDO waveform (Fig. 43).

Abnormal

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

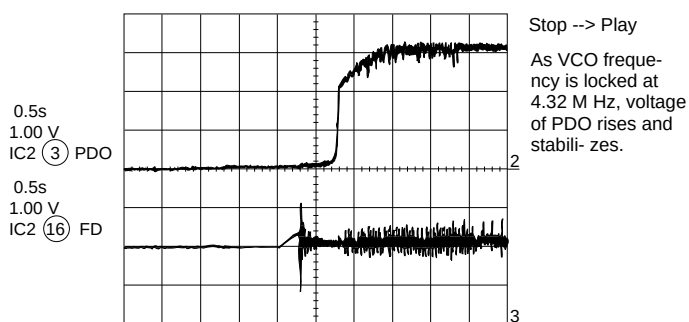


Figure 43

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

Check IC 2 pin 48 (EFLG).

No

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

Yes

Check IC2 pins 37, 40.

Abnormal

Check IC 501 and POWER AMP IC 901.

FUNCTION TABLE OF IC

IC2 VHiLC78623D-1:Servo/Signal Control(LC78623D) (1/2)

Pin No.	Terminal Name	Input/Output	Function	
1	DEFI	Input	Input terminal of defect detection signal (DEF). (Connected to OV when not used.)	
2	TAI	Input	For PLL	Input terminal for test. Pull-down resistor is integrated. Surely connected to OV.
3	PDO	Output		Output terminal of phase comparison for external VCO control.
4	VVSS	—		Ground terminal for integrated VCO. Surely connected to OV.
5	ISET	Input		Resistance connection terminal for current adjustment of PDO output.
6	VVDD	—		Power terminal for integrated VCO.
7	FR	Input		VCO frequency range adjustment.
8	VSS	—	Ground terminal of digital system. Surely connected to OV.	
9	EFMO	Output	For slice level control	EFM signal output terminal.
10	EFMIN	Input		EFM signal input terminal.
11	TEST2	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to OV.	
12	CLV+	Outout	Output for disk motor control. 3 values can be output with the commands.	
13	CLV-	Output	Output for disk motor control. 3 values can be output with the commands.	
14	V/P	Output	Monitor output terminal for automatic switch of rough servo/phase control. "H" for rough servo, and "L" for phase servo.	
15	HFL	Intput	Input terminal of track detection signal. Schmit input.	
16	TES	Input	Input terminal of tracking error signal. Schmit input.	
17	TOFF	Output	Tracking OFF output terminal.	
18	TGL	Output	Output terminal for switch of tracking gain "L" increases the gain.	
19	JP+	Output	Output for track jump control. 3 values can be output with the commands.	
20	JP-	Output	Output for track jump control. 3 values can be output with the commands.	
21*	PCK	Output	Clock monitor terminal for EFM data replay. 4,3218MHz as the phase clock.	
22*	FSEQ	Output	Output terminal synchronous signal detection. "H" is output when synchronous signal detected by EFM signal matches synchronous signal internally generated.	
23	VDD	—	Power terminal of digital system.	
24	CONT1	Input/Output	General purpose input/output terminal 1	Controlled with serial data command from micro computer. When not used, set it as the input terminal and open it by connecting to OV, or set it as the output terminal and open it.
25	CONT2	Input/Output	General purpose input/output terminal 2	
26	CONT3	Input/Output	General purpose input/output terminal 3	
27	CONT4	Input/Output	General purpose input/output terminal 4	
28*	CONT5	Input/Output	General purpose input/output terminal 5	
29*	EMPH	Output	Difference monitor terminal At "H", deemphasis disk is being replayed.	
30*	C2F	Output	C2 flag output terminal.	
31	DOUT	Output	Output terminal of digital OUTPUT. (EIAJ format)	
32*	TEST3	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to OV.	
33	TEST4	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to OV.	
34*	N.C.	—	Terminal not used. Open during operation.	
35*	MUTEL	Output	L channel 1 bit DAC	Mute output terminal for L channel.
36	LVDD	—		Power terminal for L channel.
37	LCHO	Output		L channel output terminal.
38	LVSS	—		Ground terminal for L channel Surely connected to OV.
39	RVSS	—	R channel 1 bit DAC	Ground terminal for R channel Surely connected to OV.
40	RCH0	Output		R channel output terminal.
41	RVDD	—		Power terminal for R channel.
42*	MUTER	Output		Mute output terminal for R channel.
43	XVDD	—	Power terminal for quartz oscillation.	
44	XOUT	Output	Ground terminal of 16.9344 MHz quartz oscillator.	
45	XIN	Input	Ground terminal of 16.9344 MHz quartz oscillator.	
46	XVSS	—	Ground terminal for quartz oscillation. Surely connected to OV.	
47*	SBSY	Output	Output terminal of synchronous signal of subcode block.	
48*	EFLG	Output	Correction monitor terminal of C1, C2, single and double.	

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

IC2 VHiLC78623D-1:Servo/Signal Control(LC78623D) (2/2)

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

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

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

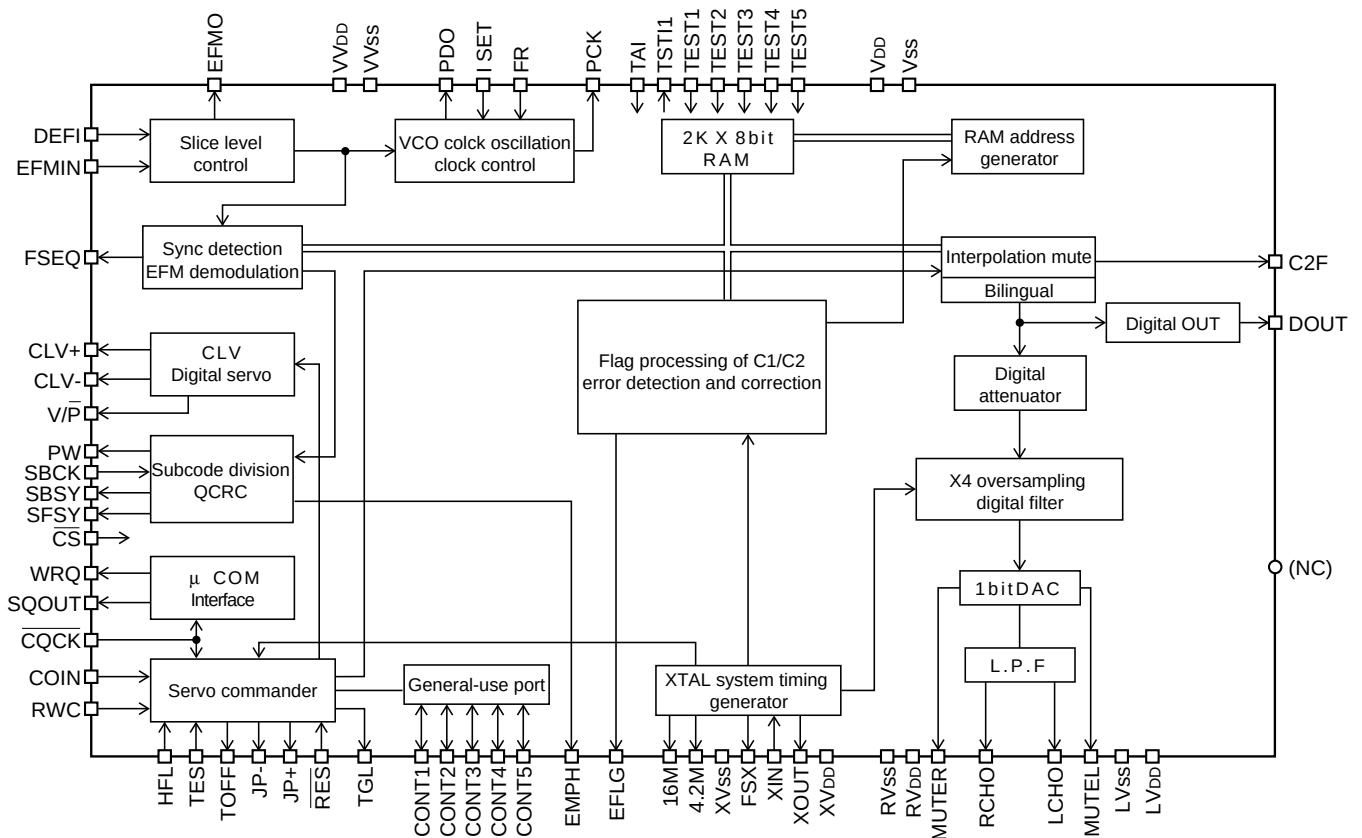


Figure 45 BLOCK DIAGRAM OF IC

CD-C480W,CP-C480W

IC1 VHiLA9241M/-1: Servo Amp.,(LA9241M) (1/2)

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

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

IC1 VHiLA9241M/-1:Servo Amp.,(LA9241M) (2/2)

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

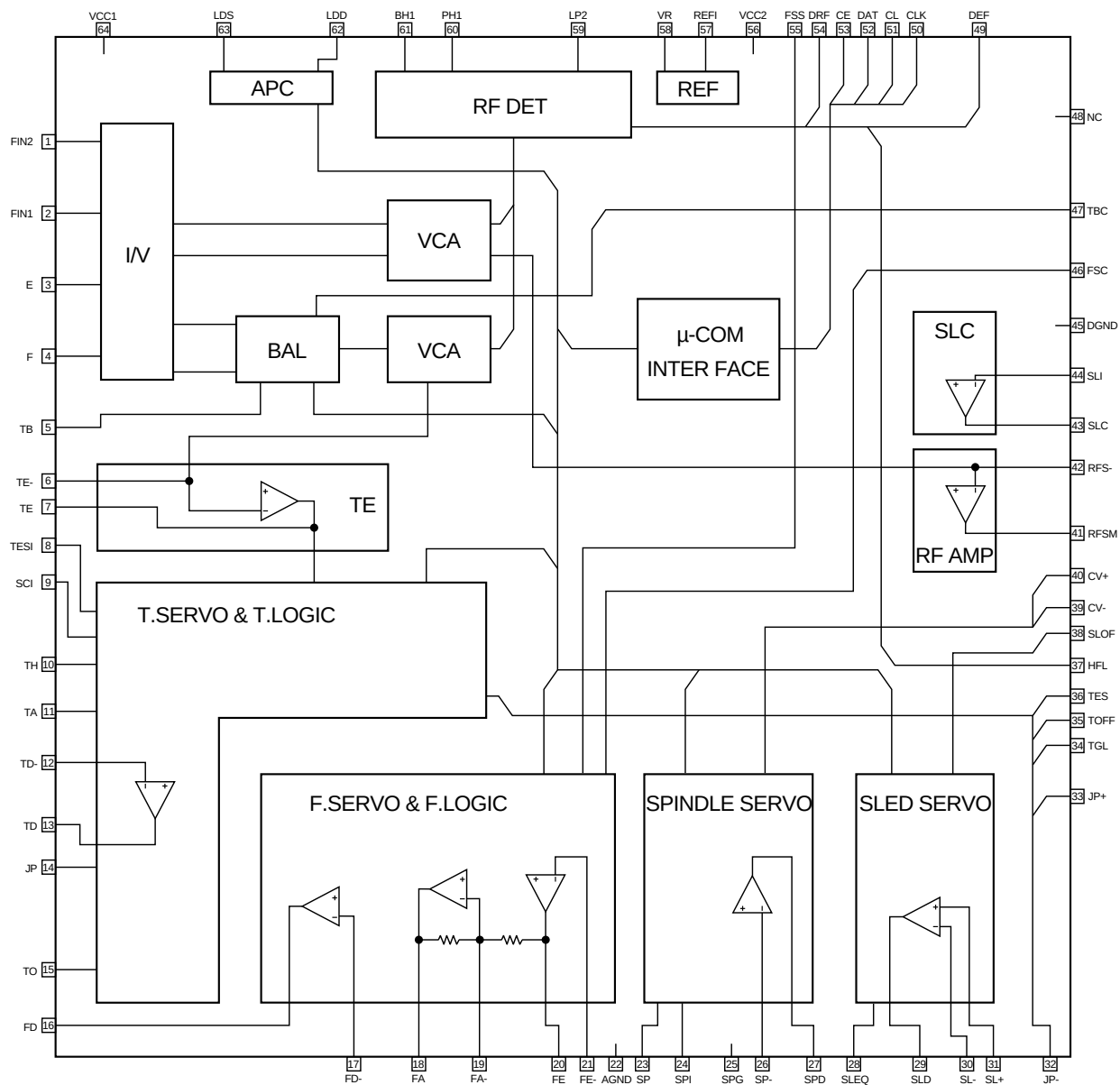


Figure 47 BLOCK DIAGRAM OF IC

CD-C480W,CP-C480W

IC601 RH-iX0171AWZZ: System Microcomputer (IX0171AW) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1*	—	Output	—
2	REC/PB	—	Record/Playback selection signal
3*	—	Output	—
4	CD MUT	Output	CD MUT signal
5	CD RES	Output	CD DSP RESET signal
6	CD SL-	Output	Slide return signal
7	CD SL+	Output	Slide feed signal
8	VDD	—	Power connection terminal
9	CD CQCK	Output	CD IC control signal
10	CD COIN	Output	CD IC control signal
11	CD SQOUT	Input	CD IC control signal
12	CD WRQ	Input	CD IC control signal
13	CD RWC	Output	CD IC control signal
14	SCK	Input	Main μ COM (RH-iX0170AWZZ) control signal
15	SO	Output	Main μ COM (RH-iX0170AWZZ) control signal
16	SI	Input	Main μ COM (RH-iX0170AWZZ) control signal
17	RESET	Input	Main μ COM (RH-iX0170AWZZ) control signal
18	STROBE	Input	Main μ COM (RH-iX0170AWZZ) control signal
19	CD PU-IN SW	Input	Pickup position detection
20	AVSS	—	To be connected to GND
21	CD DRF	Input	CD RF level detection input H: When RF level is H
22	T1 RUN	Input	Tape 1: Rotation pulse input
23	T2 RUN	Input	Tape 2: Rotation pulse input
24	SPEANA 5	Input	63Hz BPF spectrum analyzer input
25	SPEANA 4	Input	250Hz BPF spectrum analyzer input
26	SPEANA 3	Input	1kHz BPF spectrum analyzer input
27	SPEANA 2	Input	4kHz BPF spectrum analyzer input
28	SPEANA 1	Input	16kHz BPF spectrum analyzer input
29	AVDD	—	A/D converter analog positive power
30	AVREF	—	A/D converter reference power
31	TAPE CUM SW	Input	Tape mechanism cam SW input terminal
32*	—	—	No connected
33	VSS	—	To be connected to GND
34	X1	—	Main clock terminal, not used
35	X2	—	Main clock terminal, not used
36*	LINE MUT	Output	Line mute output, not used
37	SURROUND MUT	Output	Surround mute output
38	CENTER MUT	Output	Center SP output mute output
39	SYSTEM MUT	Output	System mute output
40	MIC	Input	Mic input terminal (for detection)
41	EN	Output	DOLBY PRO logic IC control signal
42	DATA	Output	DOLBY PRO logic IC control signal
43	CLK	Output	DOLBY PRO logic IC control signal
44	SP DET	Input	Speaker output error detection input Occurrence of error: L
45	POWER	Output	Set power control output Power ON: H
46*	RELAY	Output	Speaker output relay control output Relay ON: H
47	TAPE TS CrO SW	Input	Tape mechanism 2 CrO ₂ detection input CrO ₂ : H
48	VSS	Input	Digital GND terminal
49	TAPE F/R SPEED	Output	Tape feed/return
50	TAPE SOL	Output	Tape mechanism solenoid control output Attraction: L
51	TAPE MOTOR	Output	Tape mechanism motor control output

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

IC601 RH-iX0171AWZZ: System Microcomputer (IX0171AW) (2/2)

Pin No.	Terminal Name	Input/Output	Function
52	VDD	—	Positive power supply
53	CD O/C SW	Input	CD open-close switch input
54	DISC No. SW	Input	CD turntable position detection input
55	CD U/D SW	Input	CD mechanism UP/DOWN chucking detection input
56	T1 CrO SW	Input	Tape 1 CrO ₂ detection SW input
57	SRS INH	Output	SRS (surround) position selection output
58	SRS B	Output	SRS (surround) position selection output
59	SRS A	Output	SRS (surround) position selection output
60	SRS 3D	Output	SRS (surround) position selection output
61	SRS PASS	Output	SRS (surround) position selection output
62	SPAN 9K/10K	Input	Tuner span selector 9 kHz/10 kHz selection input
63	DOLBY	Input	DOLBY detection input, not applied in this machine
64	SRS	Input	SRS detection input, not applied in this machine
65	BALANCE	Input	BALANCE detection input, not applied in this machine
66	4SP	Input	4SP detection input, not applied in this machine
67	TAPE A-FP SW	Input	Tape A side miserase preventing SW input
68	TAPE B-FP SW	Input	Tape B side miserase preventing SW input
69	TAPE PB MUT	Output	Tape playback mute output
70	TAPE T1/T2	Output	Tape 1/2 selection
71	VLOAD	—	To be connected to GND
72	TAPE BIAS	Output	Tape bias circuit selection
73*	————	—	Not used
74*	————	—	Not used
75	TAPE BEET CUT	Output	Beat cancel signal control output
76	TAPE HI SPEED	Output	Tape mechanism High-Low speed selection
77*	————	—	Not used
78*	————	—	Not used
79	TAPE PB EQ	Output	Tape circuit playback Eq selection
80	TAPE REC MUT	Output	Tape circuit record muting output

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

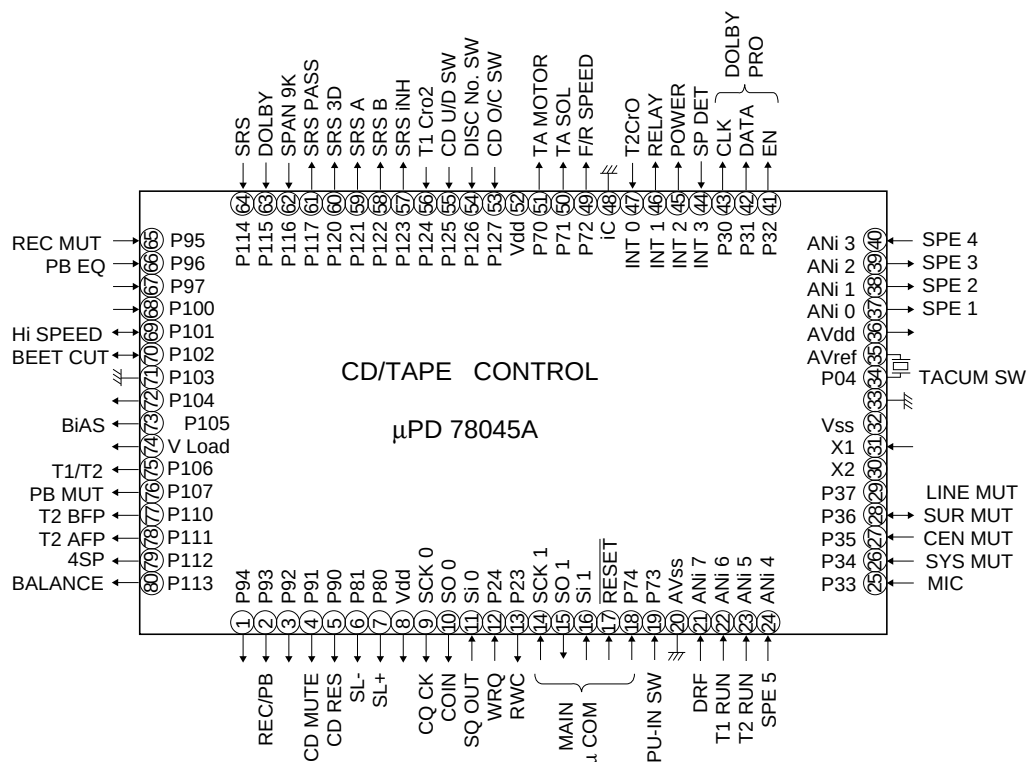


Figure 49 BLOCK DIAGRAM OF IC

CD-C480W,CP-C480W

IC701 RH-iX0170AWZZ: System Microcomputer (IX0170AW) (1/2)

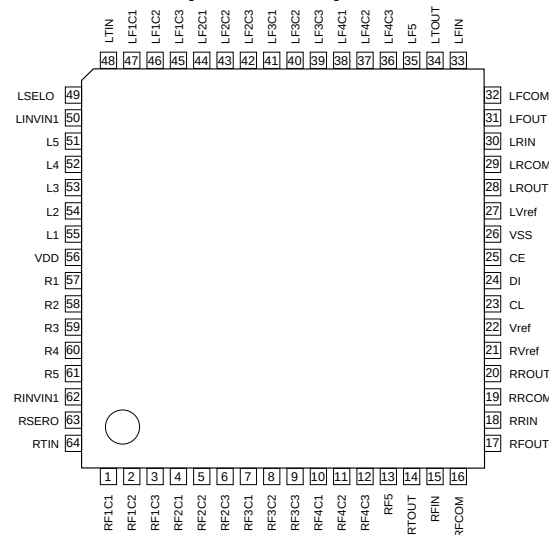
Pin No.	Port Name	Terminal Name	Input/Output	Function
1-5	P94/FIP6-P90/FIP2	G06-G02	Output	FL display tube grid drive
6,7	P81/FIP1,P80/FIP0	G01,G00	Output	FL display tube grid drive
8	VDD	VDD	—	Positive power supply
9	P27/SCK0	C ² B CLK	Output	C ² B serial clock output
10	P26/S00/SB1	C ² B DO	Output	C ² B serial data output
11	P25/SI0/SB0	C ² B DI	Input	C ² B serial data input
12	P24/BUSY	C ² B CE	Output	C ² B serial CE output
13	P23/STB	SUB STB	Output	Serial strobe output for CD/TAPE microcomputer
14	P22/SCK1	SUB SCK	Output	Serial clock output for CD/TAPE microcomputer
15	P21/SO1	SUB SO	Output	Serial data output for CD/TAPE microcomputer
16	P20/SI1	SUB SI	Input	Serial strobe input for CD/TAPE microcomputer
17	RESET	RESET	Input	Reset input
18	P74	SUB RES	Output	Reset output for CD/TAPE microcomputer
19	P73	TUN MUTE	Output	Tuner TUN MUT output
20	AVSS	AVSS	—	Analog power supply for A/D converter
21	P17/ANI7	TUN SD	Input	Tuner station detection input
22	P16/ANI6	TUN SM	Input	Tuner signal meter input
23	P15/ANI5	KEY IN5	Input	Key input 37-45
24	P14/ANI4	KEY IN4	Input	Key input 28-36
25	P13/ANI3	KEY IN3	Input	Key input 19-27
26	P12/ANI2	KEY IN2	Input	Key input 10-18
27	P11/ANI1	KEY IN1	Input	Key input 1-9
28	P10/ANI0	ENF IN	Input	Tuner initial setting 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	—	Sub-clock output OPEN
33	VSS	VSS	—	GND power
34	X1	X1	Input	Main clock 4.194304 MHz
35	X2	X2	Output	Main clock 4.194304 MHz
36	P37	LED LCK	Output	LED IC serial clock output BU2092 LCK
37	P36/BUZ	LED DATA	Output	LED IC serial data output BU2092 DATA
38	P35/PCL	LED CLK	Output	LED IC serial clock output BU2092CLK
39*	P34/TI2	RDS ID	Input	RDS RDS station detection input
40*	P33/TI1	RDS SYNC	Input	RDS Data sync detection input
41*	P32/TO2	RDS SYR	Output	RDS RAM reset output LC72720 SYR
42	P31/TO1	SYS MUTE	Output	System mute output
43	P30/TO0	POWER	Output	POWER output
44*	P03/INTP3/CI0		Output	No use
45*	P02/INTP2		Output	No use
46	P01/INTP1	SYS STOP	Input	Power failure input
47	P00/INTP0/TI0	REM IN	Input	Remote Control Input
48	IC	VSS	—	Connect with GND
49*	P72		Output	No use
50*	P71		Output	No use
51*	P70		Output	No use
52	VDD	VDD	—	Positive power supply
53*	P127/FIP33		—	No use
54-60	P126/FIP32-P120/FIP26	S21-S15	Output	FL display tube segment drive
61-68	P117/FIP25-P110/FIP18	S14-S07	Output	FL display tube segment drive
69,70	P107/FIP17,P106/FIP16	S06,S05	Output	FL display tube segment drive

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

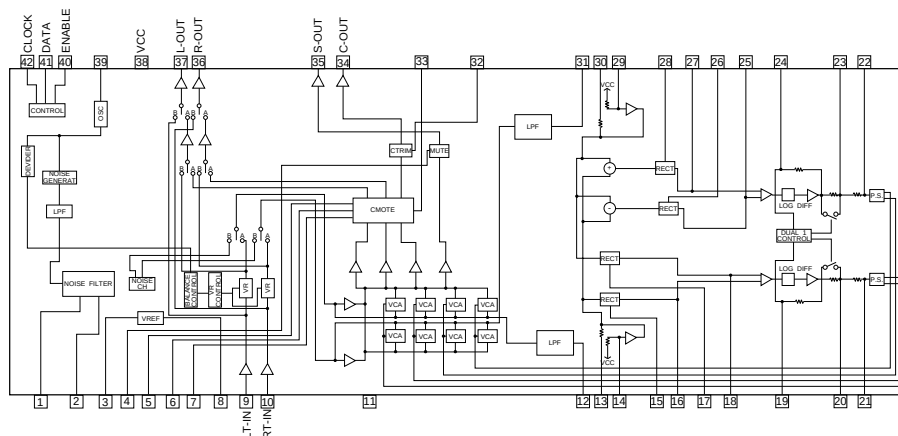
IC701 RH-iX0170AWZZ: System Microcomputer (IX0170AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
71	VLOAD	VLOAD	—	Negative power supply for FL drive To be connected to -30V
72-76	P105/FIP15-P101/FIP11	S04-S00	Output	FL display tube segment drive
77	P100/FIP10	G10	Output	FL display tube grid drive
78-80	P97/FIP9-P95/FIP7	G09-G07	Output	FL display tube grid drive

IC501 VHiLC75396E-1:Audio Processor (LC75396E)



IC201 VHiLA2786/-1: Dolby Pro Logic Active Decoder (LA2786)



IC202 VHiLV1016/-1: Dolby Pro Passive Decoder (LV1016)

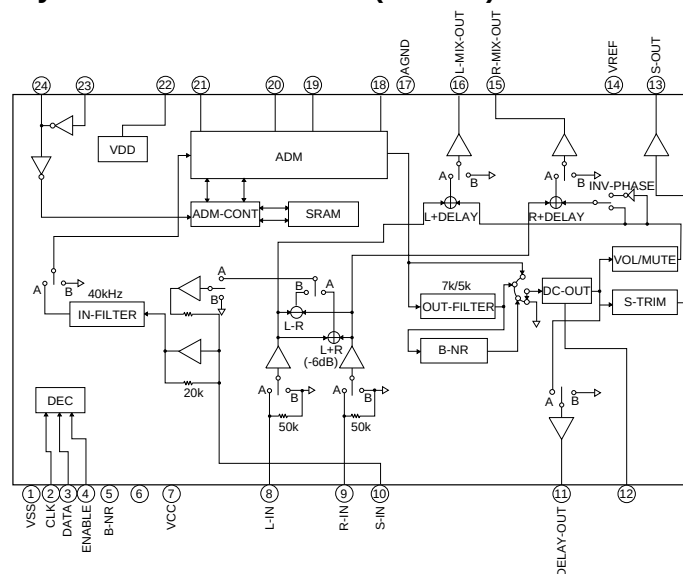


Figure 51 BLOCK DIAGRAM OF IC

CD-C480W,CP-C480W**IC501 VHiLC75396E-1:Audio Processor (LC75396E)**

Pin No.	Terminal Name	Function
1-3	RF1C1-RF1C3	Terminal to connect capacitor of filter configuration for equalizer F1 band Connect the capacitor between LF1C1(RF1C1) and LF1C2(RF1C2) between LF1C2 (RF1C2) and LF1C3(RF1C3).
4-6	RF2C1-RF2C3	Terminal to connect capacitor of filter configuration for equalizer F2 band Connect the capacitor between LF2C1(RF2C1) and LF2C2(RF2C2) between LF2C2 (RF2C2) and LF2C3(RF2C3).
7-9	RF3C1-RF3C3	Terminal to connect capacitor of filter configuration for equalizer F3 band Connect the capacitor between LF3C1(RF3C1) and LF3C2(RF3C2) between LF3C2 (RF3C2) and LF3C3(RF3C3).
10-12	RF4C1-RF4C3	Terminal to connect capacitor of filter configuration for equalizer F4 band Connect the capacitor between LF4C1(RF4C1) and LF4C2(RF4C2) between LF4C2 (RF4C2) and LF4C3(RF4C3).
13	RF5	Terminal to connect capacitor of filter configuration for equalizer F5 band Terminal to connect the externally provided capacitor
14	RTOUT	Equalizer output terminal
15	RFIN	Input terminal of Rch front side 4dB step control
16	RFCOM	Common terminal of Rch front side 1dB step control
17	RFOUT	Output terminal of Rch front side control
18	RRIN	Input terminal of Rch rear side 4dB step control
19	RRCOM	Common terminal of Rch rear side 1dB step control
20	RROUT	Output terminal of Rch rear side control
21	RVREF	Internal analog ground terminal
22	VREF	Connect the capacitor of about several 10 uF between Vref and AVSS (VSS) so as to prevent power supply ripple in the VDD/2 voltage generating section.
23	CL	Terminal to input serial data and clock for control
24	DI	Terminal to input serial data and clock for control
25	CE	Chip enable terminal. Data is written in the internal latch with a timing of changing H to L, and the specific analog switch is actuated. Data transfer is enabled on the H level.
26	VSS	GND
27	LVREF	Internal analog ground terminal
28	LROUT	Output terminal of Lch rear side control
29	LRCOM	Common terminal of Lch rear side 1dB step control
30	LRIN	Input terminal of Lch rear side 4dB step control
31	LFOUT	Output terminal of Lch front side control
32	LFCOM	Common terminal of Lch front side 1dB step control
33	LFIN	Input terminal of Lch front side 4dB step control
34	LTOUT	Equalizer output terminal
35	LF5	Terminal to connect capacitor of filter configuration for equalizer F5 band Terminal to connect the externally provided capacitor
36-38	LF4C3-LF4C1	Terminal to connect capacitor of filter configuration for equalizer F4 band Connect the capacitor between LF4C1(RF4C1) and LF4C2(RF4C2) between LF4C2 (RF4C2) and LF4C3(RF4C3).
39-41	LF3C3-LF3C1	Terminal to connect capacitor of filter configuration for equalizer F3 band Connect the capacitor between LF3C1(RF3C1) and LF3C2(RF3C2) between LF3C2 (RF3C2) and LF3C3(RF3C3).
42-44	LF2C3-LF2C1	Terminal to connect capacitor of filter configuration for equalizer F2 band Connect the capacitor between LF2C1(RF2C1) and LF2C2(RF2C2) between LF2C2 (RF2C2) and LF2C3(RF2C3).
45-47	LF1C3-LF1C1	Terminal to connect capacitor of filter configuration for equalizer F1 band Connect the capacitor between LF1C1(RF1C1) and LF1C2(RF1C2) between LF1C2 (RF1C2) and LF1C3(RF1C3).
48	LTIN	Equalizer input terminal
49	LSELO	Input selector output terminal
50	LINVIN1	Operational amplifier reverse input terminal for input gain setting
51-55	L5-L1	Input signal terminal
56	VDD	Power terminal
57-61	R1-R5	Input signal terminal
62	RINVIN1	Operational amplifier reverse input terminal for input gain setting
63	RSELO	Input selector output terminal
64	RTIN	Equalizer input terminal

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

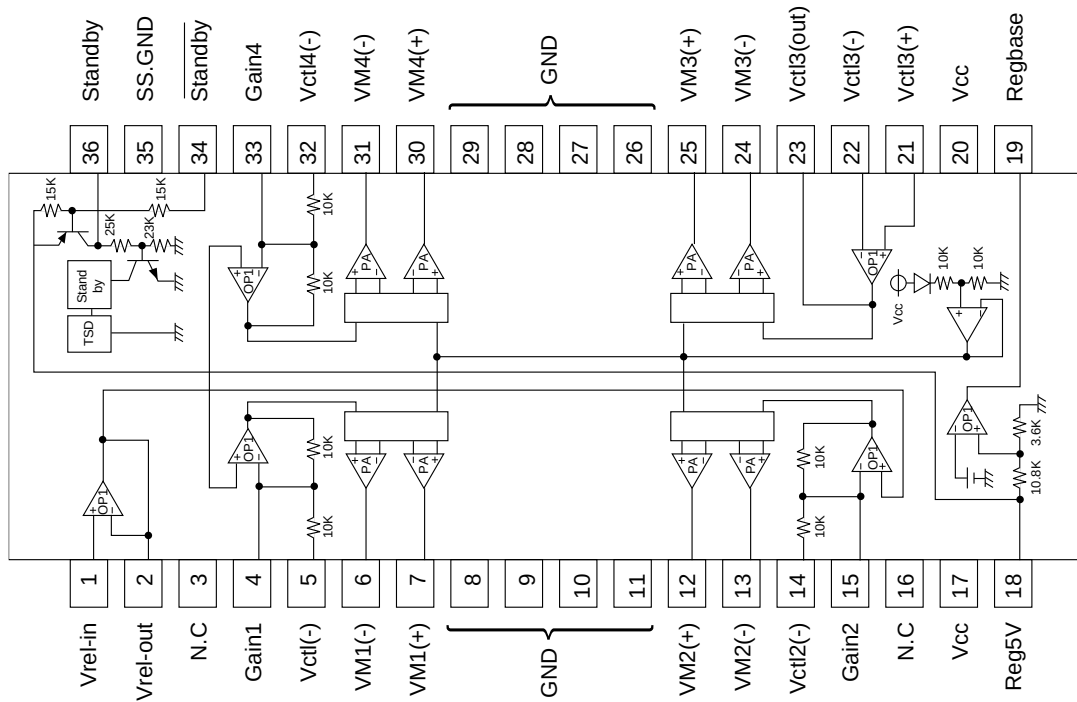


Figure 53-1 BLOCK DIAGRAM OF IC

FL701 : VVKBJ549GK/-1 FL Display

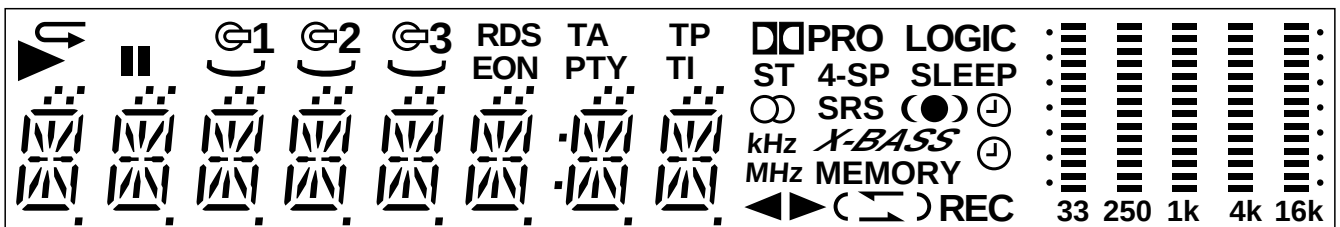


Figure 53-2 FL DISPLAY

CD-C480W,CP-C480W

— M E M O —

SHARP PARTS GUIDE

MODEL **CD-C480W**
CP-C480W

"HOW TO ORDER REPLACEMENT PARTS"

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

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

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

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

Explanation of capacitors/resistors parts codes

Capacitors

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

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

Resistors

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

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

NOTE:

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

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

CD-C480W,CP-C480W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
CD-C480W				
INTEGRATED CIRCUITS				
IC1	VHILA9241M/-1	J	AS	Servo Amp.,LA9241M
IC2	VHILC78623D-1	J	AY	Servo/Signal Control,LC78623D
IC5	VHIM56748FP-1	J	AR	Focus/Tracking/Spin/Slide Driver,M56748FP
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	VHILA2786//-1	J	AV	Dolby Pro Logic Active Decoder, LA2786
IC202	VHILV1016//-1	J	AX	Dolby Pro Logic Passive Decoder,LV1016
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832//-1	J	AR	FM IF Det./FM Mpx./ AM IF, LA1832
IC451	VHISRS5250S-1	J	BL	SRS,SRS5250S
IC453	VHIBU4052BC-1	J	AH	Function Selector,BU4052BC
IC501	VHILC75396E-1	J	AT	Audio Processor,LC75396E
IC502~504	VHIBA4558//-1	J	AD	Ope Amp.,BA4558
IC601	RH-IX0171AWZZ	J	AV	System Microcomputer, IX0171AW
IC651	VHIBA4558//-1	J	AD	Ope Amp.,BA4558
IC701	RH-IX0170AWZZ	J	AW	System Microcomputer, IX0170AW
IC702	VHIBU2092F/-1	J	AM	Input/Output Expander, BU2092F
IC901	VHISTK48801-1	J	BD	Power Amp.,STK48801
IC951	VHILA4451/-1	J	AN	Power Amp.,LA4451

TRANSISTORS

Q1	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q81	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q83,84	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q91	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q93	VSKRC102M/-1	J	AC	Digital,NPN,KRC102 M
Q94	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q103~106	VS2SC1845F/-1	J	AC	Silicon,NPN,2SC1845 F
Q107,108	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q110,111	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
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	Silicon,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
Q131,132	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q133	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
Q353,354	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q361	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q371	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
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	Silicon,NPN,KTC3199 GR
Q501~504	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q701	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q704	VSKRC102M/-1	J	AC	Silicon,NPN,KRC102 M
Q705,706	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q801	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q821	VS2SD2012//-1	J	AD	Silicon,NPN,2SD2012
Q822	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q823	VS2SD2012//-1	J	AD	Silicon,NPN,2SD2012
Q824	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q825	VSKRA107M/-1	J	AE	Digital,PNP,KRA107 M
Q826	VS2SD2012//-1	J	AD	Silicon,NPN,2SD2012
Q827	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q828	VS2SD468-C/-1	J	AD	Silicon,NPN,2SD468 C
Q829	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q901	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q951	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
QM01	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
QM02	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
QM03	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
QM04	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
QM05	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR

DIODES

D2	VHD1SS133//-1	J	AA	Silicon,1SS133
D5~7	VHDRL104A//-1	J	AB	Silicon,RL104A
D8,9	VHD1SS133//-1	J	AA	Silicon,1SS133
D91	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
D501,502	VHD1SS133//-1	J	AA	Silicon,1SS133
D551~557	VHD1SS133//-1	J	AA	Silicon,1SS133
D558,559	VHDRL104A//-1	J	AB	Silicon,RL104A
D560,561	VHD1SS133//-1	J	AA	Silicon,1SS133
D562	VHDRL104A//-1	J	AB	Silicon,RL104A
D601,602	VHD1SS133//-1	J	AA	Silicon,1SS133
D705~709	VHD1SS133//-1	J	AA	Silicon,1SS133
D801	VHDS4VB20//-1	J	AG	Rectifier,S4VB20
D802~809	VHDRL104A//-1	J	AB	Silicon,RL104A
D817~825	VHD1SS133//-1	J	AA	Silicon,1SS133
D826,827	VHDRL104A//-1	J	AB	Silicon,RL104A
D828~831	VHD1SS133//-1	J	AA	Silicon,1SS133
D901	VHD1SS133//-1	J	AA	Silicon,1SS133
D951	VHD1SS133//-1	J	AA	Silicon,1SS133
DM02,03	VHD1SS133//-1	J	AA	Silicon,1SS133
LED701~705	VHP333GTH2/-1	J	AD	LED,Green,333GTH2
LED706~711	VHP333YTH2/-1	J	AD	LED,Orange,333YTH2
LED712	VHP333YTH4/-1	J	AD	LED,Orange,333YTH4
LED714~719	VHPLMKD515B-1	J	AE	LED,Green,LMKD515B
PHM1	VHPI31535CD-1	J	AG	Photo Interrupter
VD301	VHCKV1236Z23F	J	AS	Variable Capacitance, KV1236Z23F

ZD81	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B
ZD351	VHEMTZJ5R1B-1	J	AC	Zener,5.1V,MTZJ5.1B
ZD352	VHEMTZJ3R9B-1	J	AC	Zener,3.9V,MTZJ3.9B
ZD551	VHEMTZJ6R2C-1	J	AC	Zener,6.2V,MTZJ6.2C
ZD701	VHEMTZJ3R9B-1	J	AC	Zener,3.9V,MTZJ3.9B
ZD801	VHEMTZJ330C-1	J	AB	Zener,33V,MTZJ33C
ZD802	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B
ZD821	VHEMTZJ8R2C-1	J	AB	Zener,8.2V,MTZJ8.2C
ZD822	VHEMTZJ130C-1	J	AB	Zener,13V,MTZJ13C
ZD823	VHEMTZJ6R2C-1	J	AC	Zener,6.2V,MTZJ6.2C
ZD901	VHEMTZJ130C-1	J	AB	Zener,13V,MTZJ13C

FILTERS

CF302	RFILF0124AFZZ	J	AD	FM IF
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

TRANSFORMERS

T302	RCILA1064AFZZ	J	AD	AM Antenna
T306	RCILB1074AFZZ	J	AC	AM Oscillation
T351	RCILI0011AWZZ	J	AD	AM IF
△ T801	RTRNP0125AWZZ	J		Power

COILS

L1	VP-XHR82K0000	J	AC	0.82 μ H,Choke
L99	VP-DH2R2K0000	J	AB	2.2 mmH,Peaking
L101,102	VP-MK182K0000	J	AC	1.8 mH,Choke
L103	VP-MK102K0000	J	AB	1 mH,Choke
L104	VP-MK331K0000	J	AB	330 μ H,Choke
L342	VP-DH2R2K0000	J	AB	2.2 mmH,Peaking
L351,352	VP-DH101K0000	J	AB	100 μ H,Choke
L353	VP-DH102K0000	J	AB	1 mH,Choke
L601	VP-DH101K0000	J	AB	100 μ H,Choke
L701	VP-DH101K0000	J	AB	100 μ H,Choke
L903	VP-XH2R2K0000	J	AB	2.2 μ H,Choke

VARIABLE RESISTORS

VR351	RVR-M0999AFZZ	J	AB	10 kohm (B),Semi-VR [FM Mute Level]
VRM1	RVR-M0556AFZZ	J	AB	3,3 kohms (B),Semi-VR [Tape Speed]

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
VIBRATORS				

X201	RCRM-0173AFZZ	J	AE	Ceramic,8 MHz
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
XL1	RCRSP0005AWZZ	J	AF	Crystal,16.934 MHz
XL601	RCRM-0147AFZZ	J	AD	Ceramic,4.19 MHz
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.19 MHz

CAPACITORS

C1	VCTYMN1CY103K	J	AA	0.01 μF,16V
C2	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C3	RC-GZA104AF1H	J	AB	0.1 μF,50V,Electrolytic
C4	VCKYMN1HB102K	J	AA	0.001 μF,50V
C5,6	VCTYPA1CX333K	J	AA	0.033 μF,16V
C7	RC-GZA104AF1H	J	AB	0.1 μF,50V,Electrolytic
C8	VCTYPA1CX683K	J	AA	0.068 μF,16V
C9	VCTYPA1CX473K	J	AA	0.047 μF,16V
C10	VCKYMN1HB181K	J	AA	180 pF,50V
C11	VCTYPA1CX104K	J	AB	0.1 μF,16V
C12	VCKYMN1HB331K	J	AA	330 pF,50V
C13	VCTYPA1CX104K	J	AB	0.1 μF,16V
C14	VCTYMN1CY103K	J	AA	0.01 μF,16V
C15	VCTYMN1CX472K	J	AA	0.0047 μF,16V
C16	VCKYMN1HB102K	J	AA	0.001 μF,50V
C17	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C18	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C19	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C20	VCTYMN1CX332K	J	AA	0.0033 μF,16V
C21	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C22	VCTYMN1CY103K	J	AA	0.01 μF,16V
C24	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C25	VCTYMN1CY103K	J	AA	0.01 μF,16V
C30	VCCSMN1HL2R2C	J	AB	2.2 pF,50V
C31	VCTYMN1CX272K	J	AA	0.0027 μF,16V
C32	VCCSMN1HL270J	J	AA	27 pF,50V
C33	VCKYMN1HB102K	J	AA	0.001 μF,50V
C34	VCTYPA1CX333K	J	AA	0.033 μF,16V
C35	RC-GZA104AF1H	J	AB	0.1 μF,50V,Electrolytic
C37	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C38	VCTYMN1CY103K	J	AA	0.01 μF,16V
C39	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C40	RC-GZA334AF1H	J	AA	0.33 μF,50V,Electrolytic
C41,42	VCKYPA1HF473Z	J	AB	0.047 μF,50V
C43	RC-GZA337AF0J	J	AB	330 μF,6.3V,Electrolytic
C44	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C45	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C46	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C50	VCTYPA1CX104K	J	AB	0.1 μF,16V
C51	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C52	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C53	VCKYPA1HB221K	J	AA	220 pF,50V
C54~58	VCKYMN1HB101K	J	AA	100 pF,50V
C61	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C62	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C67,68	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C69,70	VCKYMN1HB221K	J	AA	220 pF,50V
C81	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C82	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C90	VCTYBT1CY103M	J	AA	0.01 μF,16V
C91	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C92	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C94	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C98	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C99	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C101,102	VCKYMN1HB681K	J	AA	680 pF,50V
C105,106	VCKYMN1HB331K	J	AA	330 pF,50V
C107,108	VCKYMN1HB681K	J	AA	680 pF,50V
C109	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C110	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C111~114	VCKYMN1HB331K	J	AA	330 pF,50V
C115,116	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C117,118	VCTYPA1CX333K	J	AA	0.033 μF,16V
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V
C121,122	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C123~126	VCTYPA1CX103K	J	AA	0.01 μF,16V
C127	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C128	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C129,130	VCKYMN1HB471K	J	AA	470 pF,50V
C131,132	VCKYMN1HB102K	J	AA	0.001 μF,50V
C133,134	RC-GZA226AF1E	J	AB	22 μF,25V,Electrolytic

C135,136	VCTYPA1CX223K	J	AA	0.022 μF,16V
C137,138	VCTYPA1CX183K	J	AA	0.018 μF,16V
C139,140	VCTYMN1CX332K	J	AA	0.0033 μF,16V
C141,142	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C143,144	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C145	RC-GZA226AF1E	J	AB	22 μF,25V,Electrolytic
C146	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C147	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C150	VCQPKA2AA822J	J	AA	0.0082 μF,100V,Polypropylene
C151	RC-QZA273AFYJ	J	AB	0.027 μF,50V,Mylar
C152	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C155	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C162	RC-QZA473AFYJ	J	AB	0.047 μF,50V,Mylar
C163	RC-GZA107AF1C	J	AB	100 μF,10V,Electrolytic
C201	RC-QZA223AFYJ	J	AB	0.022 μF,50V,Mylar
C202	RC-QZA473AFYJ	J	AB	0.047 μF,50V,Mylar
C203	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C204~207	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C208	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C209,210	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C211,212	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C213	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C214	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C215	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C216	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C217	RC-GZA154AF1H	J	AA	0.15 μF,50V,Electrolytic
C218	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C219,220	RC-QZA154AFYJ	J	AB	0.15 μF,50V,Mylar
C221	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C222	RC-GZA154AF1H	J	AA	0.15 μF,50V,Electrolytic
C223	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C224	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C225	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C226	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C227,228	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C229	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C230	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C231~234	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C235	VCKYMN1HB681K	J	AA	680 pF,50V
C236	RC-GZA227AF1C	J	AB	220 μF,16V,Electrolytic
C237	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C238	RC-GZA227AF1C	J	AB	220 μF,16V,Electrolytic
C239	RC-GZA334AF1H	J	AA	0.33 μF,50V,Electrolytic
C240	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C242	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C243	RC-QZA823AFYJ	J	AC	0.082 μF,50V,Mylar
C244	RC-QZA332AFYJ	J	AA	0.0032 μF,6.3V,Mylar
C246	RC-QZA823AFYJ	J	AC	0.082 μF,50V,Mylar
C247	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C248	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C250,251	VCKYBT1HB221K	J	AA	220 pF,50V
C252	VCKYMN1HB221K	J	AA	220 pF,50V
C253	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C301	VCKYMN1HB102K	J	AA	0.001 μF,50V
C321	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C323	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C330	VCCUMN1HJ100J	J	AA	10 pF (UJ),50V
C331	VCKYPA1HF473Z	J	AB	0.047 μF,50V
C332	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C334	VCCUMN1HJ180J	J	AA	18 pF (UJ),50V
C335	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C336	VCKYMN1HB471K	J	AA	470 pF,50V
C337	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C338	VCKYMN1HB102K	J	AA	0.001 μF,50V
C341,342	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C343	VCCSMN1HL330J	J	AA	33 pF,50V
C345~347	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C350,351	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C352	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C353,354	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C355	VCCSMN1HL220J	J	AA	22 pF,50V
C356	VCKYMN1HB102K	J	AA	0.001 μF,50V
C357	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C358	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C361	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C362	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C363	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C364	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C365	VCTYPA1CX223K	J	AA	0.022 μF,16V
C366	VCKYMN1HB102K	J	AA	0.001 μF,50V
C367,368	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C370~372	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic

CD-C480W,CP-C480W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
C373,374	VCTYP1A1CX273K	J	AA	0.027 μF,16V
C375	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C380	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C384	VCKYMN1HB102K	J	AA	0.001 μF,50V
C385	VCTYMN1CY103K	J	AA	0.01 μF,16V
C386	VCKYMN1HB331K	J	AA	330 pF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C391	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C392	VCKYMN1HB102K	J	AA	0.001 μF,50V
C393	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C394	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C396	RC-GZA107AF1A	J	AB	100 μF,10V,Electrolytic
C397	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C398	RC-GZA107AF1A	J	AB	100 μF,10V,Electrolytic
C399	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C451,452	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C453,454	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C456,457	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C458	RC-QZA473AFYJ	J	AB	0.047 μF,50V,Mylar
C460	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C461	VCTYMN1CX472K	J	AA	0.0047 μF,16V
C462	RC-QZA224AFYJ	J	AB	0.22 μF,50V,Mylar
C463	RC-QZA683AFYJ	J	AB	0.068 μF,50V,Mylar
C464	RC-QZA223AFYJ	J	AB	0.022 μF,50V,Mylar
C465	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C466	RC-QZA682AFYJ	J	AA	0.0068 μF,50V,Mylar
C467	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C468	RC-QZA182AFYJ	J	AB	0.0018 μF,50V,Mylar
C469	RC-QZA224AFYJ	J	AB	0.22 μF,50V,Mylar
C470	VCCSPA1HL331J	J	AA	330 pF,50V
C471	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C472	RC-GZA334AF1H	J	AA	0.33 μF,50V,Electrolytic
C473,474	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C475	RC-QZA224AFYJ	J	AB	0.22 μF,50V,Mylar
C476	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C501-510	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C511,512	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C513,514	VCKYMN1HB101K	J	AA	100 pF,50V
C515-518	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C519,520	RC-GZA154AF1H	J	AA	0.15 μF,50V,Electrolytic
C521-524	RC-GZA224AF1H	J	AA	0.22 μF,50V,Electrolytic
C525,526	RC-GZA104AF1H	J	AB	0.1 μF,50V,Electrolytic
C527,528	RC-GZA224AF1H	J	AA	0.22 μF,50V,Electrolytic
C529,530	RC-QZA273AFYJ	J	AB	0.033 μF,50V,Mylar
C531,532	RC-QZA153AFYJ	J	AB	0.015 μF,50V,Mylar
C533,534	RC-QZA222AFYJ	J	AB	0.0022 μF,50V,Mylar
C535,536	RC-QZA472AFYJ	J	AA	0.0047 μF,50V,Mylar
C537,538	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C539,540	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C541,542	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C543,544	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C545,546	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C547,548	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C549	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C550	RC-GZA337AF1C	J	AC	330 μF,16V,Electrolytic
C551-553	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C555-558	VCKYMN1HB102K	J	AA	0.001 μF,50V
C559	RC-GZA226AF1E	J	AB	22 μF,25V,Electrolytic
C560,561	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C565,566	VCKYMN1HB271K	J	AA	270 pF,50V
C567,568	VCKYMN1HB681K	J	AA	680 pF,50V
C569,570	VCTYMN1CX272K	J	AA	0.0027 μF,16V
C571,572	VCTYMN1CY822K	J	AA	0.0082 μF,16V
C573,574	VCTYMN1CX682K	J	AA	0.0068 μF,16V
C575	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C576-580	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C581,582	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C583	VCTYMN0JY223N	J	AA	0.022 μF,6.3V
C585-588	VCKYMN1HB391K	J	AA	390 pF,50V
C591	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C601	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C602	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C603	VCKYMN1HB151K	J	AA	150 pF,50V
C604	VCCSPA1HL151J	J	AA	150 pF,50V
C605-607	VCKYMN1HB151K	J	AA	150 pF,50V
C701	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C702	RC-GZA227AF0J	J	AB	220 μF,6.3V,Electrolytic
C703	VCCCBT1HH150J	J	AA	15 pF (CH),50V
C704	VCCCBT1HH180J	J	AA	18 pF (CH),50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C706	VCTYBT1CY103M	J	AA	0.01 μF,16V
C707	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C708	VCTYBT1CY103M	J	AA	0.01 μF,16V
C709	RC-GZA107AF0J	J	AB	100 μF,6.3V,Electrolytic
C710	RC-GZA227AF0J	J	AB	220 μF,6.3V,Electrolytic
C712,713	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C715	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C716	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C729	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C730	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C801-804	RC-QZA473AFYJ	J	AB	0.047 μF,50V,Mylar
C805	RC-GZA107AF1V	J	AB	100 μF,35V,Electrolytic
C806,807	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C808	RC-GZA476AF1J	J	AC	47 μF,63V,Electrolytic
C809-811	RC-GZA107AF1H	J	AC	100 μF,50V,Electrolytic
C821	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C822	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C823	RC-GZW478AF1E	J	AG	4700 μF,25V,Electrolytic
C824	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C825,826	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C827	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C828	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C829	RC-GZA226AF1E	J	AB	22 μF,25V,Electrolytic
C830,831	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C851,852	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C853,854	RC-QZA154AFYJ	J	AB	0.15 μF,50V,Mylar
C855,856	VCKYMN1HB331K	J	AA	330 pF,50V
C859,860	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C861,862	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C864,865	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C901,902	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C903,904	VCKYPA1HB102K	J	AA	0.001 μF,50V
C905	VCCSPA1HL470J	J	AA	47 pF,50V
C906	VCCSBT1HL470J	J	AA	47 pF,50V
C907,908	VCCSPA1HL150J	J	AA	15 pF,50V
C909,910	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C911	RC-GZA476AF1V	J	AB	47 μF,35V,Electrolytic
C913	RC-GZA106AF1H	J	AB	10 μF,50V,Electrolytic
C914	RC-GZA476AF1V	J	AB	47 μF,35V,Electrolytic
C915	RC-GZA107AF1V	J	AB	100 μF,35V,Electrolytic
C917-920	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
C937	RC-GZW338AF1V	J	AH	3300 μF,35V,Electrolytic
C938	RC-GZW228AF1V	J	AF	2200 μF,35V,Electrolytic
C939	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C940	RC-GZA476AF1E	J	AB	47 μF,25V,Electrolytic
C943,944	RC-GZA107AF1V	J	AB	100 μF,35V,Electrolytic
C951,952	VCTYPA1EX152K	J	AA	0.0015 μF,25V
C953,954	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C955,956	RC-GZA476AF1V	J	AB	47 μF,35V,Electrolytic
C959	RC-GZA227AF1V	J	AD	220 μF,35V,Electrolytic
C960	RC-GZA476AF1V	J	AB	47 μF,35V,Electrolytic
C961	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C963,964	RC-GZA476AF1H	J	AB	47 μF,50V,Electrolytic
C965	RC-GZV108AF1E	J	AD	1000 μF,25V,Electrolytic
C966	RC-GZV228AF1E	J	AE	2200 μF,25V,Electrolytic
C967-970	RC-QZA104AFYJ	J	AC	0.1 μF,50V,Mylar
CM01	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic

RESISTORS

	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
R1	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R2	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R3	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R4	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R5	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R6	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R7	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R8	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R9	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R10	VRD-ST2CD823J	J	AA	82 kohms,1/6W
R11	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R12	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R13	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R14	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R15	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R16	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R17	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R18	VRD-ST2CD335J	J	AA	3.3 Mohms,1/6W
R19	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R20	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R21	VRD-MN2BD563J	J	AA	56 kohms,1/8W

NO.	PART CODE	★ PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
R22	VRD-MN2BD682J	J AA	6.8 kohms,1/8W	R168	VRD-MN2BD4R7J	J AA	4.7 ohms,1/8W
R23	VRD-MN2BD122J	J AA	1.2 kohms,1/8W	R181,182	VRD-ST2CD563J	J AA	56 kohms,1/6W
R24	VRD-MN2BD103J	J AA	10 kohm,1/8W	R183,184	VRD-MN2BD823J	J AA	82 kohms,1/8W
R25	VRD-MN2BD122J	J AA	1.2 kohms,1/8W	R187	VRD-MN2BD682J	J AA	6.8 kohms,1/8W
R26,27	VRD-MN2BD224J	J AA	220 kohms,1/8W	R191	VRD-ST2CD102J	J AA	1 kohm,1/6W
R28,29	VRD-ST2CD102J	J AA	1 kohm,1/6W	R192	VRD-MN2BD102J	J AA	1 kohm,1/8W
R30	VRD-MN2BD223J	J AA	22 kohms,1/8W	R193	VRD-ST2EE221J	J AA	220 ohms,1/4W
R31	VRD-MN2BD103J	J AA	10 kohm,1/8W	R202~206	VRD-MN2BD102J	J AA	1 kohm,1/8W
R32	VRD-MN2BD563J	J AA	56 kohms,1/8W	R207,208	VRD-MN2BD104J	J AA	100 kohm,1/8W
R33	VRD-MN2BD562J	J AA	5.6 kohms,1/8W	R209	VRD-ST2CD102J	J AA	1 kohm,1/6W
R34	VRD-MN2BD102J	J AA	1 kohm,1/8W	R210	VRD-ST2CD104J	J AA	100 kohm,1/6W
R35	VRD-MN2BD471J	J AA	470 ohms,1/8W	R211	VRD-ST2CD183J	J AA	18 kohms,1/6W
R36,37	VRD-MN2BD473J	J AA	47 kohms,1/8W	R212	VRD-MN2BD393J	J AA	39 kohms,1/8W
R38	VRD-MN2BD333J	J AA	33 kohms,1/8W	R213	VRD-MN2BD105J	J AA	1 Mohm,1/8W
R39,40	VRD-MN2BD223J	J AA	22 kohms,1/8W	R214	VRD-ST2CD102J	J AA	1 kohm,1/6W
R41	VRD-MN2BD472J	J AA	4.7 kohms,1/8W	R215	VRD-ST2CD104J	J AA	100 kohm,1/6W
R42	VRD-MN2BD561J	J AA	560 ohms,1/8W	R216	VRD-MN2BD272J	J AA	2.7 kohms,1/8W
R43	VRD-MN2BD220J	J AA	22 ohms,1/8W	R217	VRD-ST2CD272J	J AA	2.7 kohms,1/6W
R45	VRD-MN2BD102J	J AA	1 kohm,1/8W	R218,219	VRD-MN2BD102J	J AA	1 kohm,1/8W
R46~48	VRD-ST2CD102J	J AA	1 kohm,1/6W	R221,222	VRD-MN2BD272J	J AA	2.7 kohms,1/8W
R49	VRD-ST2CD103J	J AA	10 kohm,1/6W	R223	VRD-ST2CD224J	J AA	220 kohms,1/6W
R55	VRD-ST2CD103J	J AA	10 kohm,1/6W	R319	VRD-MN2BD104J	J AA	100 kohm,1/8W
R56	VRD-MN2BD122J	J AA	1.2 kohms,1/8W	R323	VRD-MN2BD683J	J AA	68 kohms,1/8W
R57	VRD-MN2BD273J	J AA	27 kohms,1/8W	R324	VRD-MN2BD104J	J AA	100 kohm,1/8W
R58	VRD-MN2BD681J	J AA	680 ohms,1/8W	R336	VRD-ST2CD472J	J AA	4.7 kohms,1/6W
R60	VRD-MN2BD102J	J AA	1 kohm,1/8W	R344	VRD-MN2BD471J	J AA	470 ohms,1/8W
R61	VRD-MN2BD221J	J AA	220 ohms,1/8W	R345	VRD-MN2BD472J	J AA	4.7 kohms,1/8W
R73,74	VRD-MN2BD272J	J AA	2.7 kohms,1/8W	R350	VRD-ST2CD272J	J AA	2.7 kohms,1/6W
R75,76	VRD-MN2BD391J	J AA	390 ohms,1/8W	R351	VRD-MN2BD562J	J AA	5.6 kohms,1/8W
R77,78	VRD-MN2BD102J	J AA	1 kohm,1/8W	R352	VRD-MN2BD102J	J AA	1 kohm,1/8W
R79	VRD-ST2CD472J	J AA	4.7 kohms,1/6W	R353	VRD-MN2BD271J	J AA	270 ohms,1/8W
R80	VRD-MN2BD472J	J AA	4.7 kohms,1/8W	R354	VRD-ST2CD392J	J AA	3.9 kohms,1/6W
R81	VRD-ST2EE221J	J AA	220 ohms,1/4W	R355	VRD-MN2BD332J	J AA	3.3 kohms,1/8W
R82	VRD-MN2BD151J	J AA	150 ohms,1/8W	R356	VRD-MN2BD102J	J AA	1 kohm,1/8W
R84	VRD-ST2EE220J	J AA	22 ohms,1/4W	R357	VRD-ST2CD474J	J AA	470 kohms,1/6W
R86~88	VRD-MN2BD102J	J AA	1 kohm,1/8W	R358	VRD-MN2BD822J	J AA	8.2 kohms,1/8W
R90	VRD-MN2BD331J	J AA	330 ohms,1/8W	R359	VRD-MN2BD182J	J AA	1.8 kohms,1/8W
R92	VRD-ST2CD222J	J AA	2.2 kohms,1/6W	R360	VRD-MN2BD472J	J AA	4.7 kohms,1/8W
R93	VRD-ST2EE3R9J	J AA	3.9 ohms,1/4W	R361,362	VRD-MN2BD222J	J AA	2.2 kohms,1/8W
R94	VRD-ST2CD682J	J AA	6.8 kohms,1/6W	R363,364	VRD-MN2BD182J	J AA	1.8 kohms,1/8W
R96	VRD-MN2BD103J	J AA	10 kohm,1/8W	R365,366	VRD-MN2BD103J	J AA	10 kohm,1/8W
R97	VRD-MN2BD392J	J AA	3.9 kohms,1/8W	R367	VRD-MN2BD102J	J AA	1 kohm,1/8W
R98	VRD-MN2BD682J	J AA	6.8 kohms,1/8W	R368	VRD-ST2CD333J	J AA	33 kohms,1/6W
R101,102	VRD-ST2CD102J	J AA	1 kohm,1/6W	R369	VRD-MN2BD122J	J AA	1.2 kohms,1/8W
R103,104	VRD-MN2BD222J	J AA	2.2 kohms,1/8W	R371~374	VRD-MN2BD102J	J AA	1 kohm,1/8W
R105,106	VRD-MN2BD332J	J AA	3.3 kohms,1/8W	R376	VRD-MN2BD102J	J AA	1 kohm,1/8W
R107,108	VRD-MN2BD473J	J AA	47 kohms,1/8W	R377	VRD-ST2CD473J	J AA	47 kohms,1/6W
R109	VRD-ST2CD472J	J AA	4.7 kohms,1/6W	R379	VRD-MN2BD222J	J AA	2.2 kohms,1/8W
R110	VRD-MN2BD472J	J AA	4.7 kohms,1/8W	R380	VRD-MN2BD152J	J AA	1.5 kohms,1/8W
R111,112	VRD-ST2CD153J	J AA	15 kohms,1/6W	R381	VRD-MN2BD103J	J AA	10 kohm,1/8W
R113,114	VRD-MN2BD103J	J AA	10 kohm,1/8W	R382	VRD-ST2EE151J	J AA	150 ohms,1/4W
R115	VRD-MN2BD472J	J AA	4.7 kohms,1/8W	R383~385	VRD-MN2BD562J	J AA	5.6 kohms,1/8W
R117,118	VRD-ST2CD102J	J AA	1 kohm,1/6W	R387	VRD-MN2BD223J	J AA	22 kohms,1/8W
R119,120	VRD-ST2CD560J	J AA	56 ohms,1/6W	R391,392	VRD-ST2EE391J	J AA	390 ohms,1/4W
R121,122	VRD-MN2BD104J	J AA	100 kohm,1/8W	R393	VRD-ST2CD102J	J AA	1 kohm,1/6W
R123,124	VRD-MN2BD472J	J AA	4.7 kohms,1/8W	R395	VRD-ST2CD473J	J AA	47 kohms,1/6W
R125,126	VRD-MN2BD562J	J AA	5.6 kohms,1/8W	R449	VRD-ST2CD152J	J AA	1.5 kohms,1/6W
R127,128	VRD-MN2BD822J	J AA	8.2 kohms,1/8W	R451	VRD-MN2BD103J	J AA	10 kohm,1/8W
R129	VRD-ST2CD822J	J AA	8.2 kohms,1/6W	R452	VRD-MN2BD472J	J AA	4.7 kohms,1/8W
R130	VRD-MN2BD822J	J AA	8.2 kohms,1/8W	R453,454	VRD-MN2BD222J	J AA	2.2 kohms,1/8W
R131,132	VRD-MN2BD333J	J AA	33 kohms,1/8W	R455,456	VRD-ST2CD392J	J AA	3.9 kohms,1/6W
R134	VRD-MN2BD683J	J AA	68 kohms,1/8W	R457,458	VRD-ST2CD123J	J AA	12 kohms,1/6W
R135,136	VRD-MN2BD182J	J AA	1.8 kohms,1/8W	R465,466	VRD-MN2BD102J	J AA	1 kohm,1/8W
R137,138	VRD-ST2CD682J	J AA	6.8 kohms,1/6W	R468,469	VRD-MN2BD102J	J AA	1 kohm,1/8W
R139,140	VRD-MN2BD561J	J AA	560 ohms,1/8W	R470	VRD-MN2BD103J	J AA	10 kohm,1/8W
R141	VRD-ST2CD470J	J AA	47 ohms,1/6W	R473,474	VRD-MN2BD103J	J AA	10 kohm,1/8W
R142	VRD-MN2BD470J	J AA	47 ohms,1/8W	R475	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R143~147	VRD-MN2BD103J	J AA	10 kohm,1/8W	R478	VRD-ST2CD102J	J AA	1 kohm,1/6W
R149,150	VRD-MN2BD103J	J AA	10 kohm,1/8W	R479	VRD-MN2BD223J	J AA	22 kohms,1/8W
R152	VRD-MN2BD102J	J AA	1 kohm,1/8W	R480	VRD-MN2BD473J	J AA	47 kohms,1/8W
R153	VRD-MN2BD103J	J AA	10 kohm,1/8W	R481	VRD-ST2CD392J	J AA	3.9 kohms,1/6W
R154	VRD-ST2CD103J	J AA	10 kohm,1/6W	R482	VRD-MN2BD333J	J AA	33 kohms,1/8W
R155,156	VRD-MN2BD333J	J AA	33 kohms,1/8W	R483	VRD-MN2BD104J	J AA	100 kohm,1/8W
R157	VRD-MN2BD472J	J AA	4.7 kohms,1/8W	R484	VRD-MN2BD152J	J AA	1.5 kohms,1/8W
R158	VRD-ST2EE471J	J AA	470 ohms,1/4W	R487	VRD-MN2BD104J	J AA	100 kohm,1/8W
R160,161	VRD-ST2EE271J	J AA	270 ohms,1/4W	R488	VRD-MN2BD472J	J AA	4.7 kohms,1/8W
R162	VRD-MN2BD473J	J AA	47 kohms,1/8W	R490	VRD-MN2BD472J	J AA	4.7 kohms,1/8W
R163	VRD-ST2CD103J	J AA	10 kohm,1/6W	R491	VRD-ST2CD152J	J AA	1.5 kohms,1/6W
R164	VRD-MN2BD472J	J AA	4.7 kohms,1/8W	R492	VRD-MN2BD472J	J AA	4.7 kohms,1/8W
R165	VRD-MN2BD103J	J AA	10 kohm,1/8W	R493	VRD-MN2BD102J	J AA	1 kohm,1/8W
R166	VRD-MN2BD273J	J AA	27 kohms,1/8W	R494	VRD-ST2CD104J	J AA	100 kohm,1/6W
R167	VRD-MN2BD473J	J AA	47 kohms,1/8W	R495	VRD-MN2BD102J	J AA	1 kohm,1/8W

CD-C480W,CP-C480W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R497	VRD-ST2CD104J	J	AA	100 kohm,1/6W	R731~736	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R498	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W	R737~741	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R499	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W	R742~744	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R500	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W	R745	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R501,502	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W	R746~748	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R503,504	VRD-MN2BD333J	J	AA	33 kohms,1/8W	R749	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R507~510	VRD-MN2BD473J	J	AA	47 kohms,1/8W	R763	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R511~520	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R765	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R521,522	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R766	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R525~527	VRD-MN2BD223J	J	AA	22 kohms,1/8W	R767	VRD-ST2CD820J	J	AA	82 ohms,1/6W
R528~530	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R768,769	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R531	VRD-MN2BD394J	J	AA	390 kohms,1/8W	R770	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R532	VRD-ST2CD103J	J	AA	10 kohm,1/6W	R771	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R533	VRD-MN2BD333J	J	AA	33 kohms,1/8W	R772	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R534	VRD-MN2BD224J	J	AA	220 kohms,1/8W	R773	VRD-ST2EE270J	J	AA	27 ohms,1/4W
R535	VRD-MN2BD474J	J	AA	470 kohms,1/8W	R774	VRD-ST2CD151J	J	AA	150 ohms,1/6W
R536	VRD-MN2BD123J	J	AA	12 kohms,1/8W	R775	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R537	VRD-MN2BD393J	J	AA	39 kohms,1/8W	R776	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R538	VRD-ST2CD224J	J	AA	220 kohms,1/6W	R777	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R539	VRD-MN2BD394J	J	AA	390 kohms,1/8W	R778	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R540	VRD-ST2CD123J	J	AA	12 kohms,1/6W	R779	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R541	VRD-MN2BD683J	J	AA	68 kohms,1/8W	R780	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R542	VRD-MN2BD224J	J	AA	220 kohms,1/8W	R781	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R543	VRD-MN2BD684J	J	AA	680 kohms,1/8W	R801	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R544	VRD-MN2BD183J	J	AA	18 kohms,1/8W	R802,803	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R545	VRD-ST2CD223J	J	AA	22 kohms,1/6W	R806	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R546	VRD-ST2CD224J	J	AA	220 kohms,1/6W	R807	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R547	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W	R820	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R548	VRD-MN2BD563J	J	AA	56 kohms,1/8W	R821	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R549	VRD-MN2BD474J	J	AA	470 kohms,1/8W	R822	VRD-ST2EE561J	J	AA	560 ohms,1/4W
R550	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W	R823	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R551	VRD-ST2CD153J	J	AA	15 kohms,1/6W	R824	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R552	VRD-MN2BD564J	J	AA	560 kohms,1/8W	R825	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R553	VRD-MN2BD274J	J	AA	270 kohms,1/8W	R826	VRD-ST2EE561J	J	AA	560 ohms,1/4W
R554,555	VRD-MN2BD104J	J	AA	100 kohm,1/8W	R828	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R556	VRD-ST2CD104J	J	AA	100 kohm,1/6W	R829	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R557,558	VRD-MN2BD104J	J	AA	100 kohm,1/8W	△R830	VRG-ST2EC220J	J	AB	22 ohms,1/4W,Fusible
R559,560	VRD-ST2EE331J	J	AA	330 ohms,1/4W	R831	VRD-ST2EE122J	J	AA	1.2 kohms,1/4W
R561,562	VRD-MN2BD273J	J	AA	27 kohms,1/8W	R832	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R563,564	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W	R851,852	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R565,566	VRD-MN2BD273J	J	AA	27 kohms,1/8W	R853,854	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R567,568	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W	R855,856	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R569,570	VRD-ST2CD224J	J	AA	220 kohms,1/6W	R857,858	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R571	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R861,862	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R572,573	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W	R863,864	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R574	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R865,866	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R575,576	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R901,902	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R602	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R903,904	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R604~618	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R905~908	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R620~627	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R909,910	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R628	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R911,912	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R629,630	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W	R913	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R632,633	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R914	VRD-ST2CD154J	J	AA	150 kohms,1/6W
R634,635	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R915~917	VRD-ST2EE222J	J	AA	2.2 kohms,1/4W
R636,637	VRD-MN2BD102J	J	AA	1 kohm,1/8W	△R918	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R639	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R919,920	VRD-RT2HD102J	J	AA	1 kohm,1/2W
R640	VRD-MN2BD103J	J	AA	10 kohm,1/8W	R921	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R641~643	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R922	VRD-ST2CD393J	J	AA	39 kohms,1/6W
R645~649	VRD-MN2BD102J	J	AA	1 kohm,1/8W	△R923	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R650	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R924	VRD-ST2EE222J	J	AA	2.2 kohms,1/4W
R651~653	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R925	VRD-ST2CD391J	J	AA	390 ohms,1/6W
R654	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R927,928	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R655	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R931,932	VRD-RT2HD331J	J	AA	330 ohms,1/2W
R656	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R938	VRS-VV3DA681J	J		680 ohms,2W
R657,658	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R951,952	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R659	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R953,954	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R660,661	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R955,956	VRD-ST2CD181J	J	AA	180 ohms,1/6W
R662	VRD-ST2CD123J	J	AA	12 kohms,1/6W	R957	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R663	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R959,960	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R667	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R961,962	VRD-RT2HD271J	J	AA	270 ohms,1/2W
R670,671	VRD-MN2BD102J	J	AA	1 kohm,1/8W	R970	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R672~675	VRD-MN2BD103J	J	AA	10 kohm,1/8W	RD1	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R676	VRD-MN2BD473J	J	AA	47 kohms,1/8W	RD2	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R679	VRD-MN2BD103J	J	AA	10 kohm,1/8W	RD3	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R680	VRD-ST2CD103J	J	AA	10 kohm,1/6W	RD4	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R684	VRD-ST2CD103J	J	AA	10 kohm,1/6W	RD5	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R701~710	VRD-ST2CD102J	J	AA	1 kohm,1/6W	RD6	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R711	VRD-ST2CD101J	J	AA	100 ohm,1/6W	RD7	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R712~722	VRD-ST2CD102J	J	AA	1 kohm,1/6W	RD8	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R726,727	VRD-ST2CD102J	J	AA	1 kohm,1/6W	RD9	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R728	VRD-ST2CD103J	J	AA	10 kohm,1/6W	RD10	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R729	VRD-ST2CD102J	J	AA	1 kohm,1/6W	RD15	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W

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NO.	PART CODE	★ PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
RD16	VRD-ST2CD182J	J AA	1.8 kohms,1/6W	MM1	92LMTR2512AASY	J AT	Motor with Pulley [Tape]
RD17	VRD-ST2CD222J	J AA	2.2 kohms,1/6W	RX701	VHLSPSP440/-1	J AH	Remote Sensor,SPSP440
RD18	VRD-ST2CD392J	J AA	3.9 kohms,1/6W	SO301	QTANC0301AWZZ	J AH	Terminal,Antenna
RD20	VRD-ST2CD562J	J AA	5.6 kohms,1/6W	SO901,902	QTANA0404AWZZ	J AF	Terminal,Speaker (Front/Rear)
RD21	VRD-ST2CD123J	J AA	12 kohms,1/6W	SO903	QTANA0201AWZZ	J AD	Terminal,Speaker (Center)
RD22	VRD-ST2CD102J	J AA	1 kohm,1/6W	SOLM1,2	92LM-SOL1676A	J	Solenoid
RD23	VRD-ST2CD122J	J AA	1.2 kohms,1/6W	SW1	QSW-P0004AWZZ	J AE	Switch,Push Type [Open/Close]
RD24	VRD-ST2CD182J	J AA	1.8 kohms,1/6W	SW2	QSW-F0001AWZZ	J AD	Switch,Leaf Type [Mecha Up]
RD25	VRD-ST2CD222J	J AA	2.2 kohms,1/6W	SW3	QSW-P0005AWZZ	J AD	Switch,Push Type [Disc Number]
RD26	VRD-ST2CD392J	J AA	3.9 kohms,1/6W	SW4	QSW-F9001AWZZ	J AE	Switch,Leaf Type [Pickup In]
RD27	VRD-ST2CD562J	J AA	5.6 kohms,1/6W	SW601	QSW-S0024AWZZ	J AE	Switch,Slide Type
RD28	VRD-ST2CD123J	J AA	12 kohms,1/6W				[SPAN SELECTOR]
RD29	VRD-ST2CD102J	J AA	1 kohm,1/6W	SW701	92LSWICHT1663T	J AC	Switch,Key Type
RD30	VRD-ST2CD122J	J AA	1.2 kohms,1/6W				[ON/STAND-BY]
RD31	VRD-ST2CD182J	J AA	1.8 kohms,1/6W	SW702	92LSWICHT1663T	J AC	Switch,Key Type [CLOCK]
RD32	VRD-ST2CD222J	J AA	2.2 kohms,1/6W	SW703	92LSWICHT1663T	J AC	Switch,Key Type [TIME/SLEEP]
RD33	VRD-ST2CD392J	J AA	3.9 kohms,1/6W	SW704	QSW-K0005AWZZ	J AC	Switch,Key Type [DISC 1]
RD34	VRD-ST2CD562J	J AA	5.6 kohms,1/6W	SW705	QSW-K0005AWZZ	J AC	Switch,Key Type [DISC 2]
RD35	VRD-ST2CD123J	J AA	12 kohms,1/6W	SW706	QSW-K0005AWZZ	J AC	Switch,Key Type [DISC 3]
RD36	VRD-ST2CD153J	J AA	15 kohms,1/6W	SW707	92LSWICHT1663T	J AC	Switch,Key Type [DISC SKIP]
RD37	VRD-ST2CD102J	J AA	1 kohm,1/6W	SW708	92LSWICHT1663T	J AC	Switch,Key Type
RM01	VRD-ST2CD272J	J AA	2.7 kohms,1/6W				[OPEN/CLOSE]
RM02	VRD-MN2BD682J	J AA	6.8 kohms,1/8W	SW709	92LSWICHT1663T	J AC	Switch,Key Type [CD]
RM03	VRD-ST2CD333J	J AA	33 kohms,1/6W	SW710	92LSWICHT1663T	J AC	Switch,Key Type
RM05	VRD-ST2CD103J	J AA	10 kohm,1/6W				[TUNER/BAND]
RM06	VRD-ST2CD222J	J AA	2.2 kohms,1/6W	SW711	92LSWICHT1663T	J AC	Switch,Key Type [TAPE]
RM07	VRD-RT2HD100J	J AA	10 ohm,1/2W	SW712	92LSWICHT1663T	J AC	Switch,Key Type [VIDEO]
RM08	VRD-ST2CD103J	J AA	10 kohm,1/6W	SW717	92LSWICHT1663T	J AC	Switch,Key Type
RM09	VRD-ST2CD222J	J AA	2.2 kohms,1/6W				[CENTER MODE/PHANTOM]
RM10	VRD-ST2CD122J	J AA	1.2 kohms,1/6W	SW719	92LSWICHT1663T	J AC	Switch,Key Type
RM11	VRD-MN2BD222J	J AA	2.2 kohms,1/8W				[CENTER MODE/NORMAL]
RM12	VRD-ST2CD333J	J AA	33 kohms,1/6W	SW721	92LSWICHT1663T	J AC	Switch,Key Type
RM14~17	VRD-ST2CD103J	J AA	10 kohm,1/6W				[DOLBY PRO LOGIC/BYPASS]
RM18	VRD-ST2CD222J	J AA	2.2 kohms,1/6W	SW723	92LSWICHT1663T	J AC	Switch,Key Type [REC/PAUSE]
RM19	VRD-MN2BD332J	J AA	3.3 kohms,1/8W	SW724	92LSWICHT1663T	J AC	Switch,Key Type
RM20	VRD-MN2BD103J	J AA	10 kohm,1/8W				[TUNING UP/TIME]
OTHER CIRCUITRY PARTS				SW725	92LSWICHT1663T	J AC	Switch,Key Type [VOLUME UP]
BI99A/B	QCWNW0723AWZZ	J AM	Connector Ass'y,3-3Pin	SW726	92LSWICHT1663T	J AC	Switch,Key Type [X-BASS]
BI102/CNS102	QCWNW0941AWZZ	J AK	Connector Ass'y,6-7Pin	SW727	92LSWICHT1663T	J AC	Switch,Key Type
BI801/CNS801	QCWNW0904AWZZ	J AE	Connector Ass'y,6-6Pin				[4-SP SURROUND]
BIM5/CNS10/CNS5	QCWNW0894AWZZ	J AH	Connector Ass'y,6-10-2Pin	SW728	92LSWICHT1663T	J AC	Switch,Key Type [STOP]
CNP1	QCNCM931EAFZZ	J AC	Plug,5Pin	SW729	92LSWICHT1663T	J AC	Switch,Key Type [FWD]
CNP2	92LCONE8P53253	J AC	Plug,8Pin	SW730	92LSWICHT1663T	J AC	Switch,Key Type [FF]
CNP3	92LCONE6P53253	J AC	Plug,6Pin	SW731	92LSWICHT1663T	J AC	Switch,Key Type
CNP3A	92LCONE6P53253	J AC	Plug,6Pin				[MEMORY SET]
CNP10	QCNCM931KAFZZ	J AD	Plug,10Pin	SW732	92LSWICHT1663T	J AC	Switch,Key Type
CNP101	92LCONE3P5267X	J AB	Plug,3Pin				[TUNING DOWN/TIME]
CNP102	92LCONE7P5267X	J	Plug,7Pin	SW733	92LSWICHT1663T	J AC	Switch,Key Type
CNP303	QCNCM010LAWZZ	J AC	Plug,11Pin				[VOLUME DOWN]
CNP501	QCNCM010LAWZZ	J AC	Plug,11Pin	SW734	92LSWICHT1663T	J AC	Switch,Key Type
CNP502	QCNCW010LAWZZ	J AD	Socket,11Pin				[EQUALIZER/DEMO]
CNP801	QCNCM742FAFZZ	J AB	Plug,6Pin	SW735	92LSWICHT1663T	J AC	Switch,Key Type
CNPM1	QCWNW025NAWZZ	J	Flat Wire Holder				[3D SURROUND]
CNPM2	QCNCM030BAWZZ	J AB	Pin Header	SW736	92LSWICHT1663T	J AC	Switch,Key Type
CNS1A/B	QCWNW0910AWZZ	J AF	Connector Ass'y,5-5Pin				[REVERSE MODE]
CNS2A/B	QCWNW1006AWZZ	J AG	Connector Ass'y,8-8Pin	SW737	92LSWICHT1663T	J AC	Switch,Key Type [REV]
CNS3A/B	QCWNW0893AWZZ	J AF	Connector Ass'y,6-6Pin	SW738	92LSWICHT1663T	J AC	Switch,Key Type [REW]
CNS101	QCWNW0939AWZZ	J AF	Connector Ass'y,3Pin	SW739	92LSWICHT1663T	J AC	Switch,Key Type
CNS501	QCNCW010LAWZZ	J AD	Socket,11Pin				[EDIT NORMAL]
△ F802,803	92LFUSE-T402-E	J AD	Fuse,T4A L 250V	SW740	92LSWICHT1663T	J AC	Switch,Key Type [EDIT HIGH]
△ F804	92LFUSE-T162-E	J AD	Fuse,T1.6A L 250V	SW801	QSOCE0006AWZZ	J AH	Switch,Slide Type
△ F821	92LFUSE-T501-E	J AD	Fuse,T500mA L 250V				[VOLTAGE SELECTOR]
△ F901,902	92LFUSE-T252-E	J AE	Fuse,T2.5A L 250V	SWM1	92LM-SW1676A	J AC	Switch,Push Type [T1 CrO ₂]
△ F951	92LFUSE-T162-E	J AD	Fuse,T1.6A L 250V	SWM2	92LM-SW1676A	J AC	Switch,Leaf Type [T2 CrO ₂]
FE301	RTUNS0008AWZZ	J AN	FM Front End	SWM3	92LM-SW1676A	J AC	Switch,Leaf Type [REC FWD]
FL701	VVKBJ549GK/-1	J AX	FL Display	SWM4	92LM-SW1676A	J AC	Switch,Leaf Type [REC RVS]
FW701	QCWNW0946AWZZ	J AD	Flat Wire,6Pin	SWM5	QSW-F9003AWZZ	J AG	Switch,Leaf Type [F.A.S.]
FW702	QCWNW0944AWZZ	J AD	Flat Wire,7Pin	SWM6	92LM-SW1676B	J	Switch,Leaf Type [CAM]
FW703	QCWNW0945AWZZ	J AF	Flat Wire,13Pin	WT502	92LCONE7P52287	J AC	Socket,Wire Trap,7Pin
FW901	QCWNW0969AWZZ	J AE	Flat Wire,9Pin	WT601	QCNCW012NAWZZ	J AE	Socket,Wire Trap,13Pin
FW902	QCWNW0902AWZZ	J AC	Flat Wire,3Pin	WT901	92LCONE9P52287	J AC	Socket,Wire Trap,9Pin
FW903	QCWNW0903AWZZ	J AE	Flat Wire,5Pin	WT903	92LCONE5P52287	J AC	Socket,Wire Trap,5Pin
FWM1	QCWNW0943AWZZ	J AF	Flat Wire,13Pin	WTM01	QCNCW012NAWZZ	J AE	Socket,Wire Trap,13Pin
FWM2	QCWNW0942AWZZ	J AC	Flat Wire,4Pin				
JA901	QJAKM0005AWZZ	J AD	Jack,Headphones	CASSETTE MECHANISM PARTS			
JK501	QSOCJ0401AWZZ	J AH	Jack,Video/AUX	1	LCHSM0039AWM1	J	Main Chassis Ass'y
M1	92LMTR1858CASY	J AS	Motor with Chassis [Spindle]	2	LPLTP0001AWZZ	J AD	Plate,Head [Tape 1]
M2	92LMTR1854BASY	J AP	Motor with Gear [Sled]	3	LDAIH0002AWZZ	J AD	Plate,Head [Tape 2]
M3	92LMTR2037AS1	J AP	Motor with Worm Pulley [T/T Up/Down]	4	NDAIR0004AW01	J AG	Take-Up Reel Ass'y [Tape 1]
				7	NROLY0003AWM1	J AF	Pinch Roller Forward Ass'y
				8	NFLYC0012AWM1	J AG	Flywheel Ass'y [Tape 1]

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NO.	PART CODE	★	PRICE RANK	DESCRIPTION
9	NFLYC0013AWM1	J	AG	Flywheel Foward Ass'y [Tape 2]
11	MCAMP0005AWZZ	J	AC	Gear,Cam
13	NGERH0030AWZZ	J	AE	Gear,Play Idler
15	NPLYB0004AWZZ	J	AB	Sensor,Wing
16	MLEVP0060AWZZ	J	AB	Lever,Trigger
17	MLEVP0027AWZZ	J	AC	Lever,Lock [Tape 1]
18	MLEVP0028AWZZ	J	AC	Lever,Eject Obstruct [Tape 1]
19	MLEVP0061AWZZ	J	AB	Lever,Eject Obstruct [Tape 2]
20	LHLD51001AW01	J	AE	Bearing Holder Ass'y
22	PGIDM0009AWZZ	J	AC	Guide,Cassette [Tape 1]
23	MLEVF0011AWFW	J	AD	Lever,Over Strok [Tape 1]
24	MLEVF0012AWM1	J	AE	Lever,Over Strok Ass'y [Tape 2]
25	MLEVF0015AWM1	J	AE	Lever,Mode Ass'y
26	MLEVF0007AW01	J	AC	Lever,Idler Ass'y [Tape 1]
28	LANGT0039AWFW	J	AC	Blacket Motor
29	LANGT0040AWFW	J	AC	Blacket Hold
31	MSPRP0005AWFW	J	AB	Spring,Cassette
32	MSPRT0007AWFJ	J	AB	Spring,Reverse Plate
33	MSPRD0031AWFJ	J	AB	Spring,Lock Lever [Tape 1]
34	MSPRD0081AWFJ	J	AB	Spring,Mode Lever
35	MSPRD0033AWFJ	J	AB	Spring,Play Idler Lever
36	MSPRD0034AWFJ	J	AB	Spring,Play Roller
37	MSPRD0035AWFJ	J	AB	Spring,Eject Obstruct [Tape 1]
39	MSPRD0037AWFJ	J	AB	Spring,Over Strok Lever
40	MSPRD0083AWFJ	J	AB	Spring,Trigger Lever
42	MSPRD0082AWFJ	J	AB	Spring,Over Stroke Lever [Tape 2]
43	NBLTK0021AWZZ	J	AB	Belt,Sub
44	NBLTH0003AWZZ	J	AC	Belt,Main [Tape 1]
45	NBLTH0004AWZZ	J	AC	Belt,Main [Tape 2]
52	92LM-LEV1756A	J	AB	Lever,Lock [Tape 2]
53	92LM-TSPR1756C	J	AB	Spring,Lock Lever [Tape 2]
55	92LM-RPH1746A	J	AM	Head,Playback [Tape 1]
56	RHEDK0002AWM1	J	AQ	Head,Record/Playback/Erace with Flexible PWB [Tape 2]
58	MSPRC0019AWFJ	J	AB	Spring,Back Tension
59	92LN-BAND1318A	J	AA	Nylon Band,80mm
60	PGIDM0020AWZZ	J	AB	Head Bobbin
61	LPLTM0005AWZZ	J	AC	Head Support
62	NDAIR0007AWZZ	J	AB	Reel Table
63	NROLY0004AWM1	J	AF	Pinch Roller Reverse Ass'y
64	NROLY0002AWZZ	J	AF	Pinch Roller Ass'y
65	NFLYC0014AWM1	J	AF	Flywheel Reverse Ass'y [Tape 2]
66	MLEVP0059AWM1	J	AH	Drive Lever Ass'y
67	NGERH0060AWZZ	J	AB	Gear,FF Idlar
68	MLEVP0062AWZZ	J	AB	Lever,H Change
69	MLEVP0063AWZZ	J	AB	Lever,Switch
70	LHLD51003AWM1	J	AD	Bearing Holder Forward Ass'y
71	LHLD51004AWM1	J	AD	Bearing Holder Reverse Ass'y
72	MLEVF0013AWFW	J	AC	Lever,Head Plate
73	MLEVF0014AWM1	J	AE	Reverse Plate Ass'y
74	MLEVF0016AWFW	J	AB	Lever,Joint
75	MSPRD0084AWFJ	J	AB	Spring,Driving Lever
76	MSPRD0085AWFJ	J	AB	Spring,H Change
77	MSPRD0086AWFJ	J	AB	Spring,Reel Support
78	MSPRD0087AWFJ	J	AB	Spring,Reel Support
79	MSPRD0088AWFJ	J	AB	Spring,Reel Support [Tape 1]
80	MSPRD0101AWFJ	J	AB	Spring,Head Bobbin
501	LX-BZ0012AWFD	J	AA	Screw,ø2.6×5mm
502	XHBSD20P04000	J	AA	Screw,ø2×4mm
503	XHBSD20P05000	J	AA	Screw,ø2×5mm
504	XWVSD22-03000	J	AA	Washer,ø2.2×0.3mm
505	LX-WZ9191AFZZ	J	AA	Washer,ø2.3×ø3.4×0.25mm
506	LX-BZ0004AWFD	J	AC	Screw,Lock Lever
507	LX-BZ0778AFFD	J	AA	Screw,ø2×6mm
508	LX-WZ9064AFZZ	J	AA	Washer,ø1.5×ø3.8×0.5mm
510	LX-WZ9230AFZZ	J	AA	Washer,ø1.8×ø4×0.5mm
511	XSPSD14P08000	J	J	Screw,ø1.4×8mm
512	XWSSD14-05000	J	AA	Washer,ø1.4×0.5mm
MM1	92LMTR2512AASY	J	AT	Motor with Pulley [Tape]
SOLM1	92LM-SOL1676A	J	J	Solenoid Ass'y
SWM1	92LM-SW1676A	J	AC	Switch,Leaf Type [T1 CrO ₂]
SWM2	92LM-SW1676A	J	AC	Switch,Leaf Type [T2 CrO ₂]
SWM3	92LM-SW1676A	J	AC	Switch,Leaf Type [REC FWD]
SWM4	92LM-SW1676A	J	AC	Switch,Leaf Type [REC RVS]
SWM5	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
SWM6	92LM-SW1676B	J	J	Switch,Leaf Type [CAM]

CD MECHANISM PARTS

301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
303	MLEVP0010AWZZ	J	AC	Rail,Guide
304	NSFTM0002AWFW	J	AE	Shaft,Guide
305	92LM-CUSN1524A	J	AC	Insulator
△ 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,ø2.6×6mm
702	XHBSD20P05000	J	AA	Screw,ø2×5mm
703	92L2S+3PZ	J	AA	Screw,ø2×3mm
704	92L1R5WC3R8R25	J	AA	Washer,ø1.5×ø3.8×0.25mm
M1	92LMTR1858CASY	J	AS	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
SW4	QSW-F9001AWZZ	J	AE	Switch,Leaf Type [Pickup In]
CABINET PARTS				
201	92LCAB2517AS1	J	BB	Front Panel Ass'y
201- 1	—	—	—	Front Panel (Not Replacement Item)
201- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
201- 3	JKNBZ0335AWSA	J	AC	Knob,Tuner/Memory
201- 4	JKNBZ0336AWSA	J	AC	Knob>Edit Speed/Reverse
201- 5	JKNBZ0337AWSB	J	AD	Knob,X-BASS
201- 6	JKNBZ0346AWSA	J	AB	Knob,Graphic Equalizer
201- 7	JKNBZ0347AWSA	J	AB	Knob,Rec Pause
201- 8	HDECQ0186AWSA	J	AD	Operation Panel
201- 9	JKNBZ0350AWSA	J	AD	Knob,Open/Close
201-10	JKNBZ0353AWSA	J	AH	Knob,Operation A
201-11	JKNBZ0354AWSB1	J	AF	Knob,Disc Number
201-12	JKNBZ0355AWSA1	J	AH	Knob,Bypass/Centre Mode
201-13	JKNBZ0356AWSA	J	AM	Knob,Operation B
201-14	JKNBZ0349AWSA	J	AH	Knob,SRS
201-15	JKNBZ0391AWSA	J	AD	Knob,Function
202	GCAB-1045AWSB	J	AL	Top Cabinet
203	GITAR0229AWSA	J	AQ	Back Board
204	GDORF0038AWSB	J	AF	Cassette Holder,Tape 1
205	92LPNL2517AS1	J	AP	Amp.Panel Ass'y
205- 1	—	—	—	Amp.Panel
205- 2	92LBADGE1692A	J	AC	Badge,SHARP
206	GDORF0039AWSB	J	AF	Cassette Holder,Tape 2
207	HDECQ0218AWSC	J	AH	Panel,Cassette,Tape 2
208	HDECQ0217AWSC	J	AH	Panel,Cassette,Tape 1
209	92LCAB2503BS1	J	AK	Side Panel Ass'y,Left
209- 1	—	—	—	Side Panel,Left (Not Replacement Item)
209- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
210	92LCAB2503CS1	J	AK	Side Panel Ass'y,Right
210- 1	—	—	—	Side Panel,Right (Not Replacement Item)
210- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
211	GCOVA1135AWSC1J	J	AG	Cover,CD Tray
213	MLIFP0003AWZZ	J	AE	Damper
214	MSPRD0092AWFJ	J	AB	Spring,Cassette Holder Up,Tape 1
215	LCHSM0049AWFW	J	AM	Main Chassis
△ 216	QACCA0001AW00	J	AM	AC Power Supply Cord
△ 216	QACCB0003AW00	J	BA	AC Power Supply Cord
△ 216	QACCE0008AW00	J	AG	AC Power Supply Cord
△ 216	92LCORDA1387C	J	AP	AC Power Supply Cord
△ 216	92LCORDT1699A	J	AL	AC Power Supply Cord [For Taiwan]
217	92LN-BAND1318A	J	AA	Nylon Band,80mm
219	MSPRD0093AWFJ	J	AB	Spring,Cassette Holder Up,Tape 2
227	MLEVP0068AWZZ	J	AB	Lever,Change
228	LCHSZ0011AWZZ	J	AG	Chassis,CD Mechanism
229	NGERK0004AWZZ	J	AB	Gear,Bevel
230	MSPRC0021AWFJ	J	AB	Spring,Worm Wheel
231	NGERW0006AWZZ	J	AC	Gear,Worm Wheel
232	NPLYD0001AWZZ	J	AB	Pulley
233	NGERK0005AWZZ	J	AB	Gear,Loading
234	MLEVP0066AWZZ	J	AE	Lever,Shift
235	NGERH0064AWZZ	J	AD	Gear,Cam
236	NGERK0003AWZZ	J	AC	Gear,Drive
237	LHLDZ1141AWZZ	J	AB	Support,Pinch
238	NGERH0065AWZZ	J	AB	Gear,Turtable
239	NBLTK0029AWZZ	J	AB	Belt,Drive
240	MSPRD0044AWFJ	J	AB	Spring,Lock Lever
241	MLEVP0067AWZZ	J	AC	Lever,Lock
242	LCHSZ0010AWZZ	J	AM	Chassis,Loading

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NO.	PART CODE	★	PRICE RANK	DESCRIPTION
243	NROLP0009AWZZ	J	AB	Roller
244	MLEVP0070AWZZ	J	AB	Lever,T/T Lock
245	MSPRC0020AWFJ	J	AB	Spring,T/T Lock Lever
246	GCAB-1044AWSA	J	AM	CD Player Base
247	LHLDZ1139AWSA	J	AD	Support,Stabilizer
248	92LHOLD2037AS1	J	AK	Stabilizer Ass'y
248- 1	—	—	—	Stabilizer (Not Replacement Item)
248- 2	PMAGF0001AWZZ	J	AF	Magnet
248- 3	92LSUPT1749D	J	AA	Bracket,Magnet
249	NTNT-0018AWSA	J	AK	Turntable
250	LHLDZ1140AWZZ	J	AB	Guide
251	LHLDZ1143AWZZ	J	AD	Holder,FL Display
252	PRDAR0035AWFW	J	AQ	Heat Sink B
253	PRDAR0049AWFW1J	AK	AK	Heat Sink,Transistor
254	PRDAR0073AWFW	J	AM	Heat Sink,Main
255	LHLDZ1142AWZZ1	J	AB	Holder,LED
257	PCOVQ1005AWZZ	J	AC	Heat Plate
△ 258	92LFSHOLD1652T	J	AB	Holder,Fuse
261	HDECQ0185AWSC	J	AF	CD Top Panel
267	LANGK0070AWFW	J	AD	PWB Bracket A
268	LANGK0071AWFW	J	AC	PWB Bracket B
270	LANGT0038AWFW	J	AE	Bracket,Heat Shield
271	PCUSG0027AWZZ	J	AB	Cushion,Worm Wheel
272	MSPRC0024AWFW	J	AB	Spring,Solenoid
276	PCOVU9004AW00	J	AB	Felt,Operation Knob
277	LBSHC0002AWZZ	J	AD	Bushing,AC Power Supply Cord
278	LHLDL1015AWZZ	J	AF	Holder,Main PWB
279	LANGJ0005AWFW	J	AC	Bracket,PWB Connect
283	92LRDAT1587A	J	AC	Heat Sink,Diode
284	92LCAUT1706A1	J	AC	Label,Class 3
285	92LCAUT1706B	J	AA	Label,Class 3
286	LHLDZ1144AWZZ	J	AC	Holder,LED
287	LHLDZ1105AWZZ1	J	AD	Holder,LED
288	LHLDZ1145AWZZ	J	AD	Holder,LED
△ 289	92LLUG1746A	J	AA	Lug Terminal
293	PCUSG0029AWZZ	J	AC	Cushion,CD Loading Chassis
294	92LCLMP1810P	J	J	Wire Holder
296	LHLDK9001AW00	J	AB	Holder,CD Digital Output
297	PCOVU9005AW00	J	J	Felt,SRS Knob
298	TSPC-0443AWZZ	J	AD	Label,Specifications [For Thailand]
298	TSPC-0444AWZZ	J	J	Label,Specifications [For Taiwan]
299	92LPANEL713A	J	AB	Label,Made in Malaysia
601	XESSD30P10000	J	AA	Screw,ø3×10mm
602	LX-JZ0022AFFD	J	AA	Screw,ø3×8mm
603	XEBSD30P10000	J	AA	Screw,ø3×10mm
604	XJBSD30P06000	J	AA	Screw,ø3×6mm
605	XJBSD30P08000	J	AA	Screw,ø3×8mm
607	XJBSD30P14000	J	AA	Screw,ø3×14mm
608	XEBSF30P12000	J	AA	Screw,ø3×12mm
609	XJBSE30P08000	J	AA	Screw,ø3×8mm
610	LX-TZ0019AFZZ	J	AB	Screw,Special
611	LX-HZ0082AFZZ	J	AA	Screw,ø4×8mm
612	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
613	LX-EZ0005AWFD	J	AA	Screw,Special
617	LX-JZ0002AWFD	J	AA	Screw,ø3×10mm
618	LX-LZ0002AW00	J	AC	Snap Rivet
619	XBPSD26P05JS0	J	AA	Screw,ø2.6×5mm
620	XEBSD26P12000	J	AA	Screw,ø2.6×12mm
622	XEBSD30P12000	J	AA	Screw,ø3×12mm
623	XJSSF30P10000	J	AA	Screw,ø3×10mm
624	XJBSD30P10000	J	AA	Screw,ø3×10mm
625	LX-JZ0039AFFD	J	AA	Screw,ø3×12mm

ACCESSORIES

QANTL0006AWZZ	J	AG	AM Loop Antenna
SPAKA0132AWZZ1	J	AK	Packing Add.
SPAKC0527AWZZ	J	J	Packing Case [Except for Australia/New Zealand]
SPAKC0528AWZZ	J	AY	Packing Case [For Australia/New Zealand]
SPAKP0013AWZZ1	J	AC	Polyethylene Bag,Unit
TCAUA0012AWZZ	J	AB	Caution Operation Manual [For Taiwan Only]
TCAUS0014AWZZ	J	AC	Safety Caution Label [For Taiwan Only]
TINST0025AWZZ	J	J	Operation Manual [For Thailand]
TINSZ0226AWZZ	J	AS	Operation Manual [Except for Thailand]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
TLABZ0385AWZZ	J	AD	J	Label,Feature [For Australia/New Zealand]
TLABZ0416AWZZ	J	AD	J	Label,Feature [Except for Australia/New Zealand]
92LBAG1460C1	J	AB	J	Polyethylene Bag,Accessories
92LBAG1770A	J	AB	J	Polyethylene Bag,AC Plug Adaptor
92LFANT1746A	J	AD	J	FM Antenna
92LGCARD1266E1	J	AC	J	Warranty Card [For Australia/New Zealand]
92LPLUG027	J	AD	J	AC Plug Adaptor
92LPLUG155A	J	AG	J	AC Plug Adaptor
RRMCG0097AWSA	J	AX	J	Remote Control
92LLID1782A	J	AQ	J	Battery Lid,Remote Control

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

PWB-A1~3	92LPWB2517MAN1	J	—	Main/SRS/Headphones (Combined Ass'y)
PWB-B1,2	92LPWB2517PWR1	J	—	Power/Power Amp. (Combined Ass'y)
PWB-C1,2	92LPWB2517DPL1	J	—	Display/Switch (Combined Ass'y)
PWB-D	92LPWB2517TUN1	J	—	Tuner
PWB-E	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-F	QPWBF0314AWZZ	J	AD	Tape Mechanism (PWB Only)
PWB-G	QPWBF0341AWZZ	J	AB	Sensor (PWB Only)
PWB-H	QPWBF0313AWZZ	J	AB	Head (PWB Only)

CP-C480W

SPEAKER BOX PARTS

701	92L200L0370010	J	AT	Front Panel,Left
701	92L200R0370010	J	AT	Front Panel,Right
702	92L10002470H10	J	BC	Cabinet Ass'y
703	92L20100480H10	J	AS	Net Frame Ass'y
704	92L23056121000	J	AD	Holder,Catcher
705	92L3121C470H10	J	J	Speaker Code Ass'y
706	92L411B840160P	J	AD	Screw,ø4×16mm
707	92L44010212400	J	AC	Port Cushion
708	92L411B930100P	J	AC	Screw,ø3×10mm
709	92L6000C480W00	J	J	Label,Specifications
710	92L44210310100	J	AD	Wire Cushion
C1,2	92L3582710L100	J	AC	2.7 μF,100V,Electrolytic,Non-Polar
SP1,2	VSP0013WB178A	J	BB	Speaker,Woofer
SP3,4	VSP0050TBG98A	J	AU	Speaker,Tweeter
SP5,6	92L303R0300110	J	AN	Speaker,Super Tweeter

ACCESSORIES/PACKING PARTS

92L6100C470E00	J	AH	J	Label,Feature
92L700320000910	J	AE	J	Polyethylene Bag,Speaker
92L71525001900	J	AG	J	Sheet,Speaker
92L720PC330000	J	AM	J	Packing Add.,Top/Bottom
92L740310000700	J	AE	J	Shield Pad,Speaker

CENTER SPEAKER

SPEAKER BOX PARTS

701	92L121-0096	J	J	Net Frame Ass'y
702	92L351-0167	J	J	Label,Specifications
703	92L128-0004	J	AV	Bottom Cabinet
704	92L372-0082	J	AB	Screw,ø3×20mm
705	92L291-0035	J	AE	Speaker Cord
706	92L372-0028	J	AB	Screw,ø3×20mm
707	92L394-0028	J	AB	Leg,Cushion
SP1	VSP0010PBS96A	J	AW	Speaker,Woofer

PACKING PARTS

92L411-0072	J	J	J	Polyethylene Bag,Speaker
92L412-0079	J	AP	J	Packing Add.,Top/Bottom

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NO.	PART CODE	★ PRICE RANK	DESCRIPTION
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SURROUND SPEAKER

SPEAKER BOX PARTS

701	92L121-0101	J	AT	Net Frame Ass'y
703	92L351-0169	J		Label,Specifications
704	92L372-0028	J	AB	Screw,ø3×20mm
705	92L291-0051	J	AP	Speaker Cord
707	92L314-0015	J	AL	Bottom Cabinet
SP1,2	VSP0010PBT03A	J	AQ	Speaker,Woofer

PACKING PARTS

92L411-0063	J	AB	Polyethylene Bag,Speaker
92L412-0079	J	AP	Packing Add.,Top/Bottom

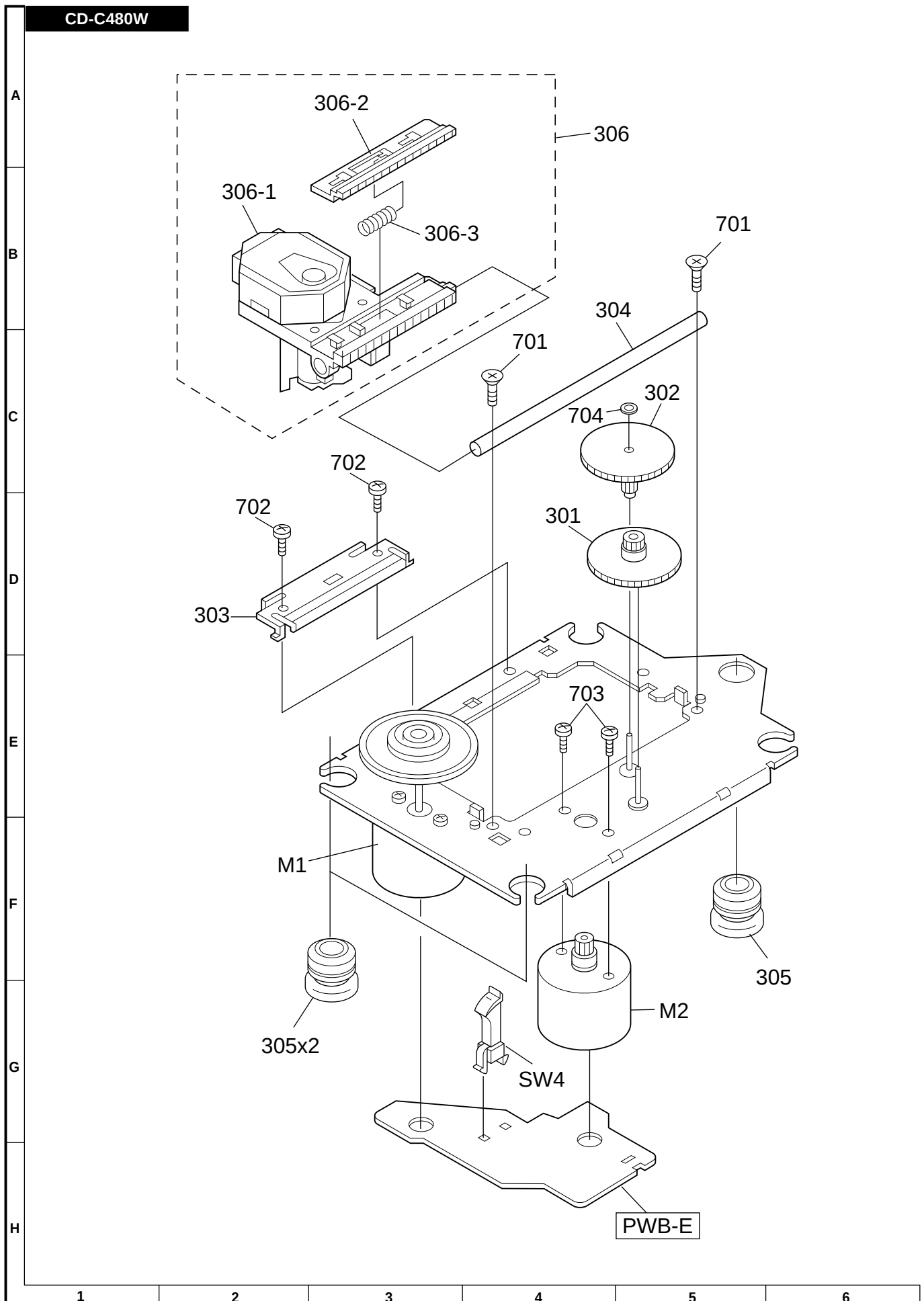


Figure 10 CD MECHANISM EXPLODED VIEW

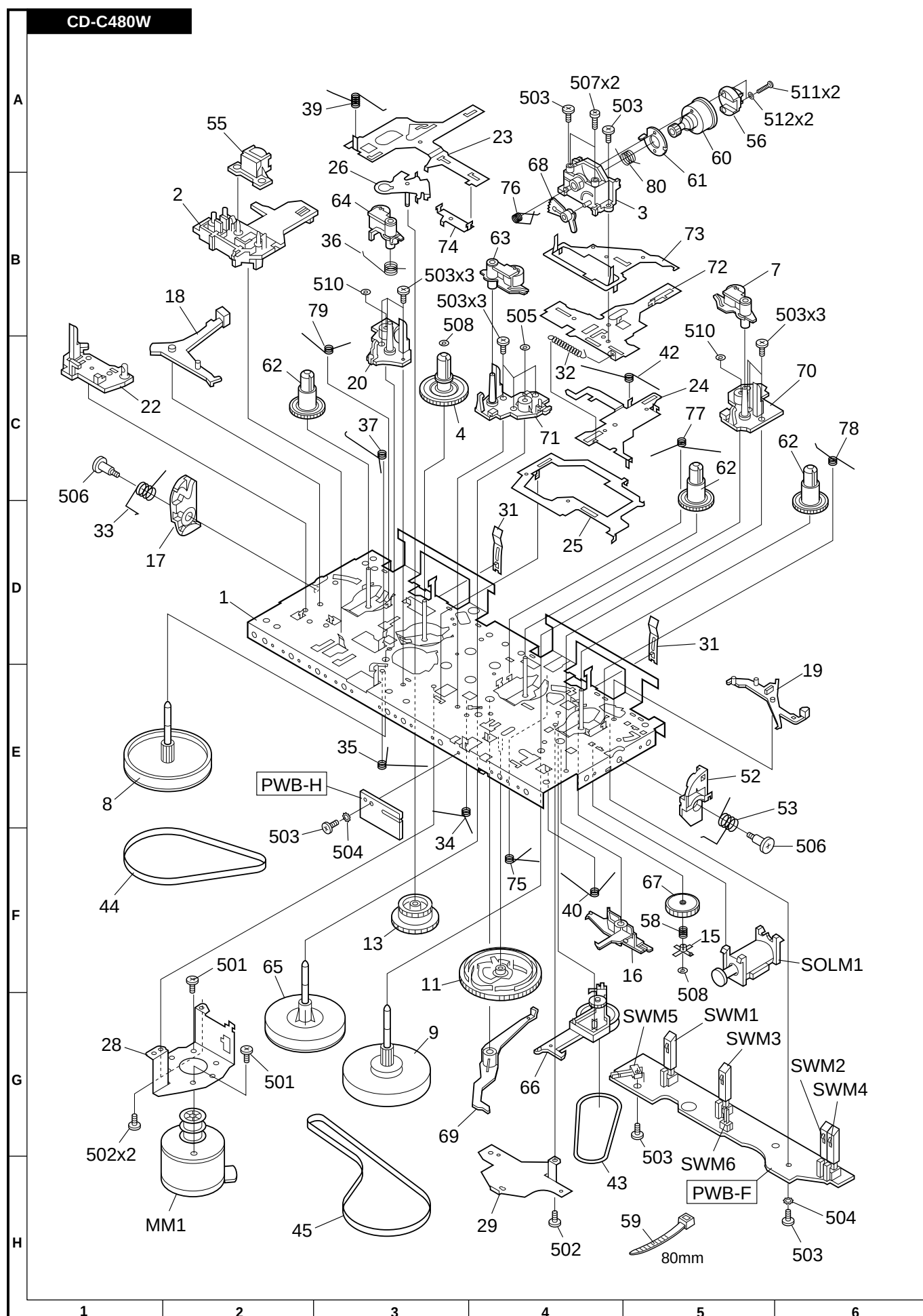


Figure 11 TAPE MECHANISM EXPLODED VIEW

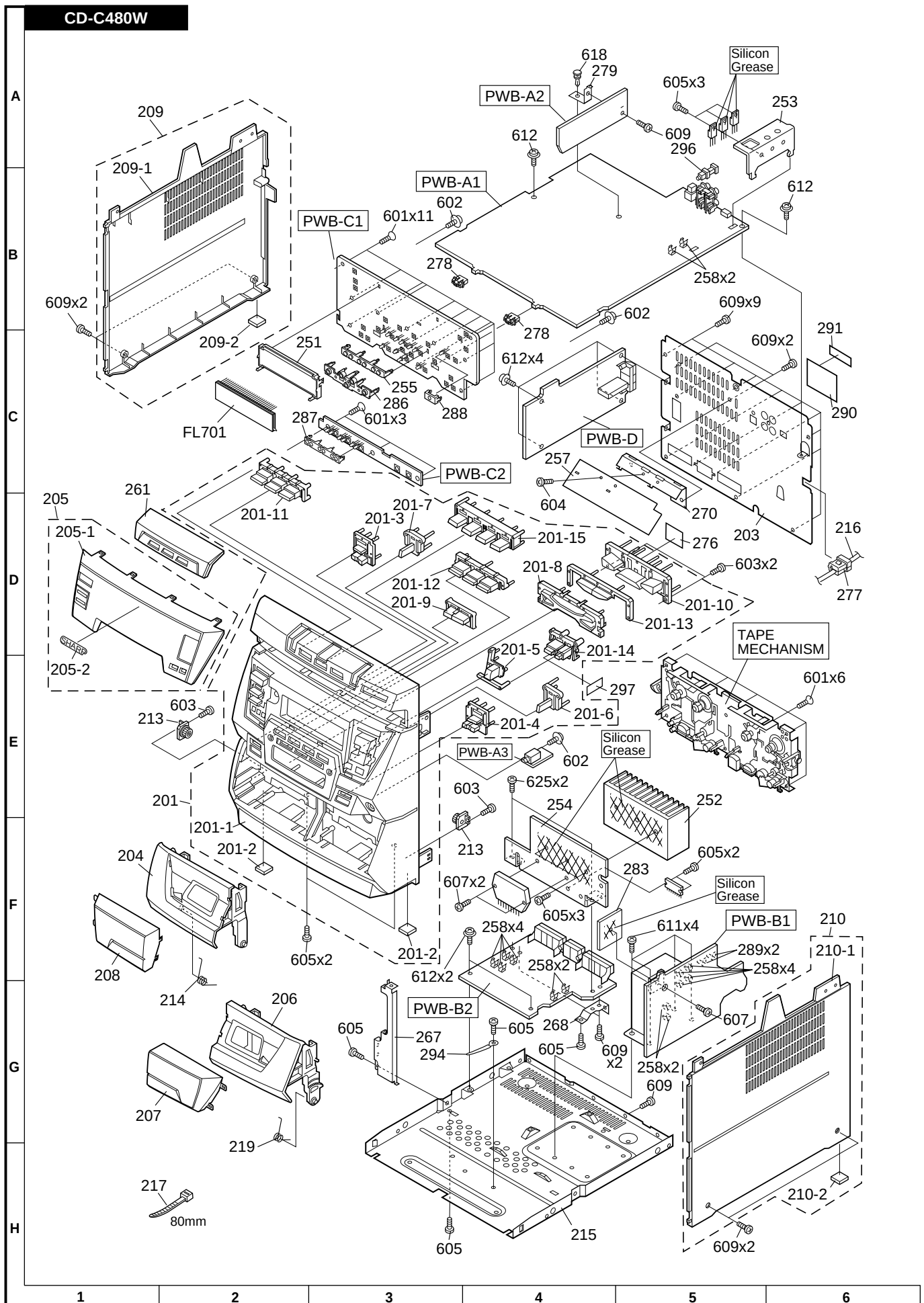


Figure 12 CABINET EXPLODED VIEW (1/2)

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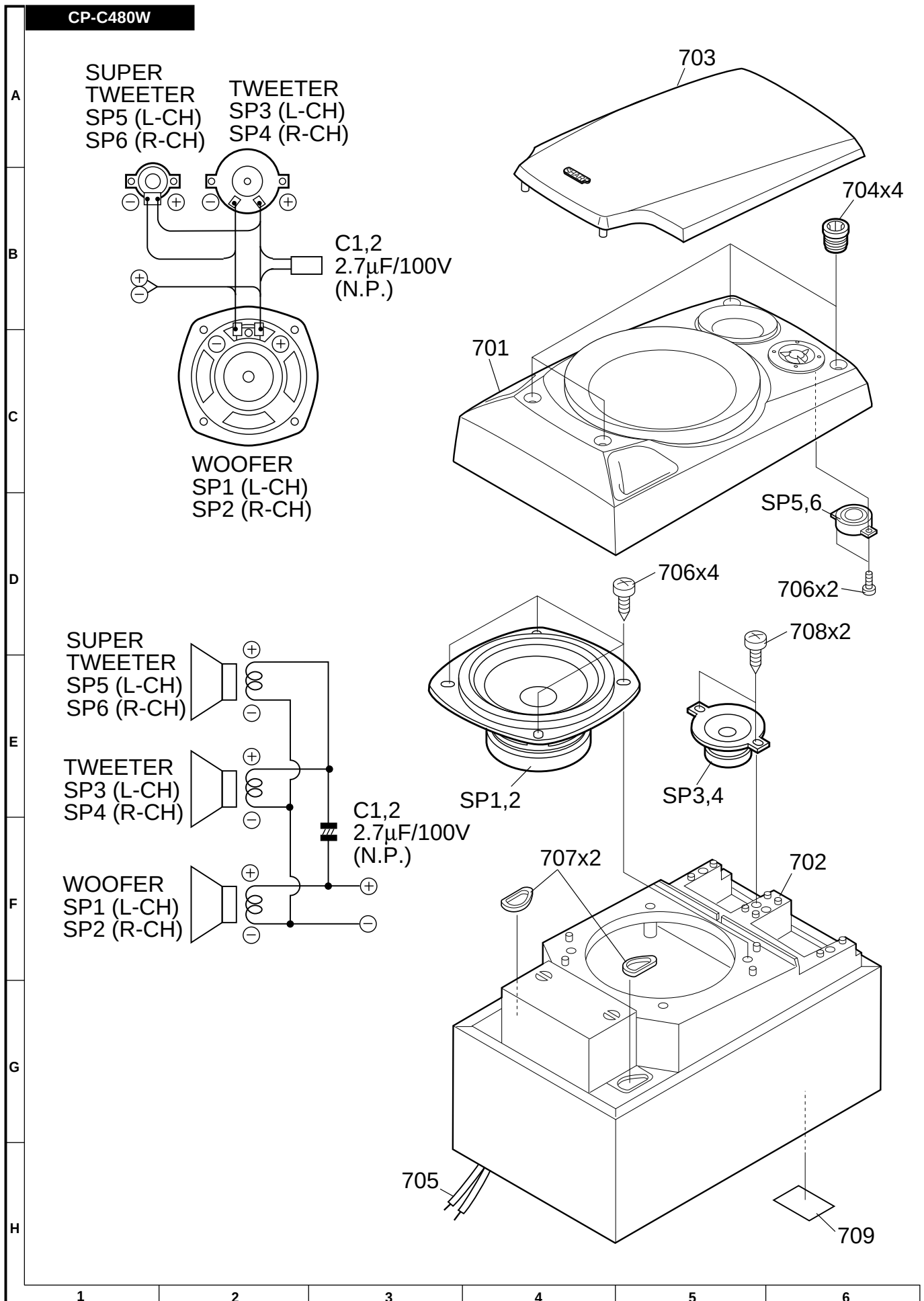


Figure 14 SPEAKER EXPLODED VIEW (1/2)

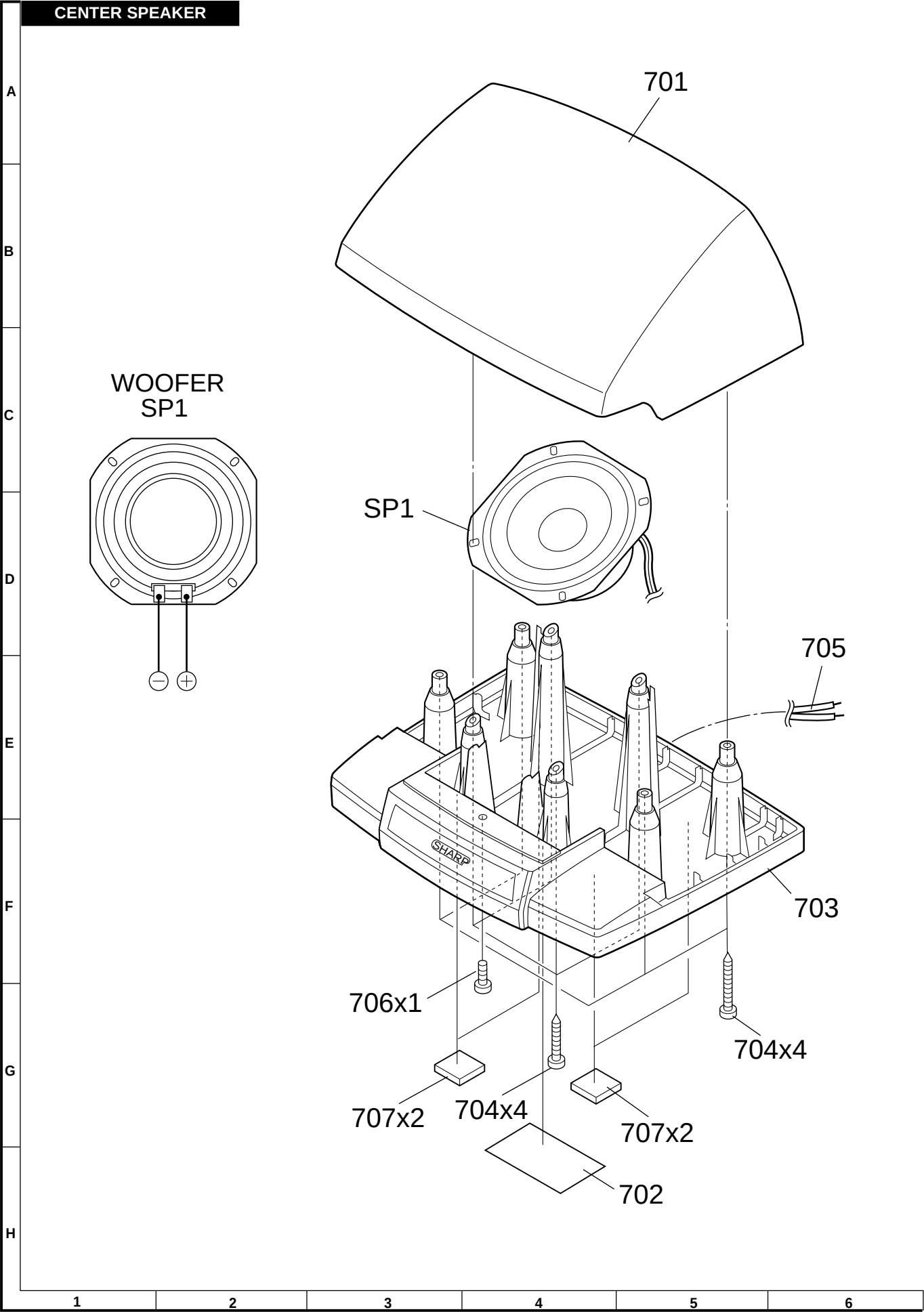


Figure 15 SPEAKER EXPLODED VIEW (2/3)

SURROUND SPEAKER

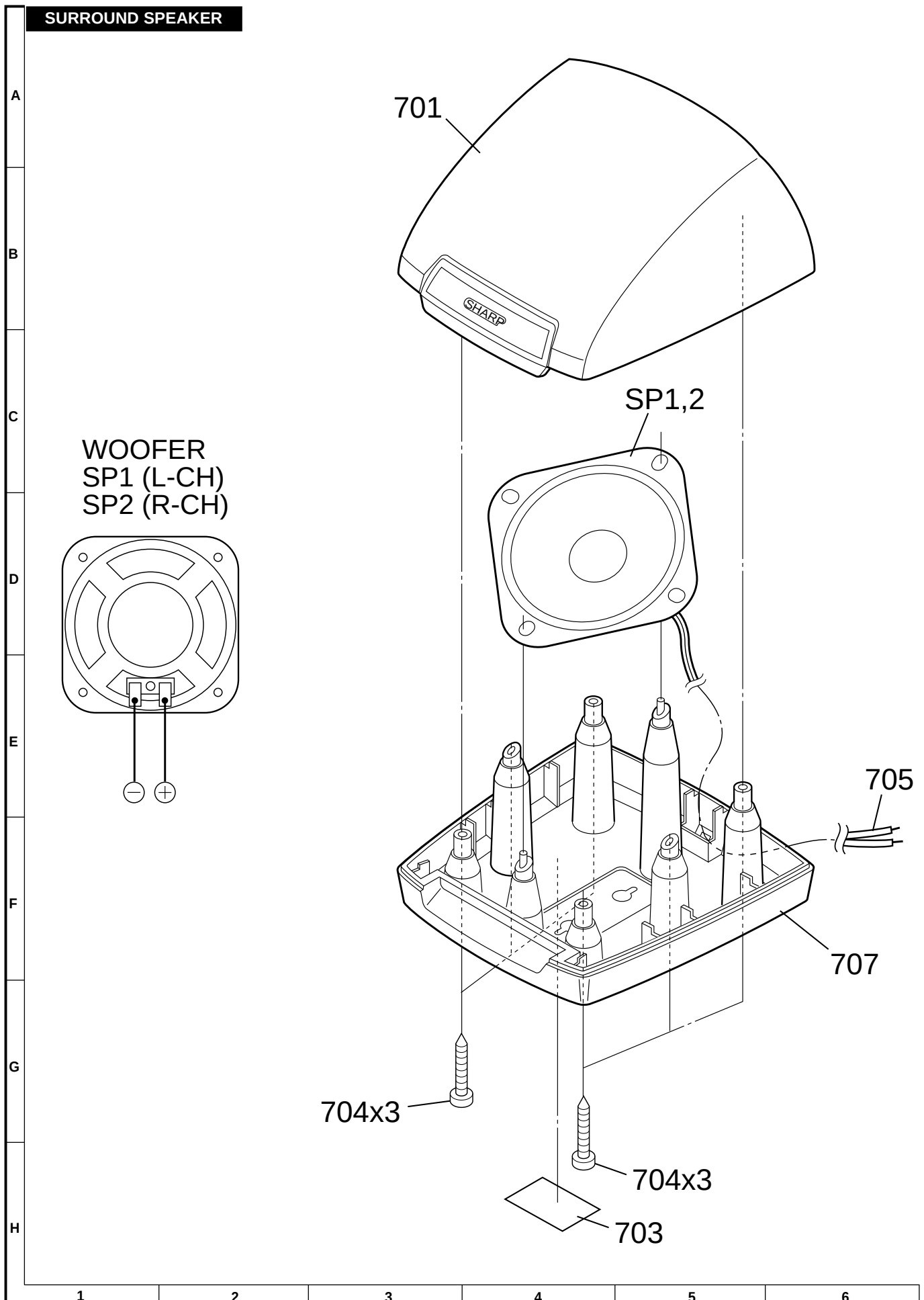


Figure 16 SPEAKER EXPLODED VIEW (3/3)

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