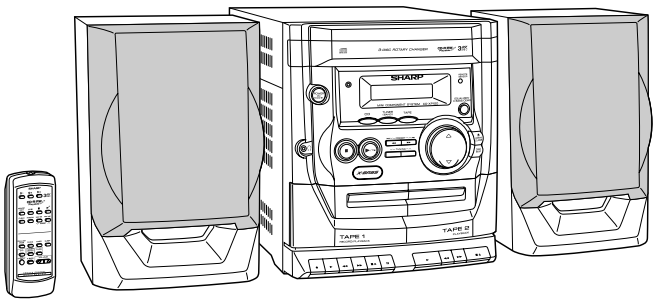
SHARP SERVICE MANUAL

No. S4234CPXP120/



MINI COMPONENT SYSTEM

MODEL CD-XP120

CD-XP120 Mini Component System consisting of CD-XP120 (main unit) and CP-XP120 (speaker system).

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

COMPACT disc DIGITAL AUDIO

CD-R/RW Playable

3 000 DISC

CONTENTS

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE NOTES

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

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

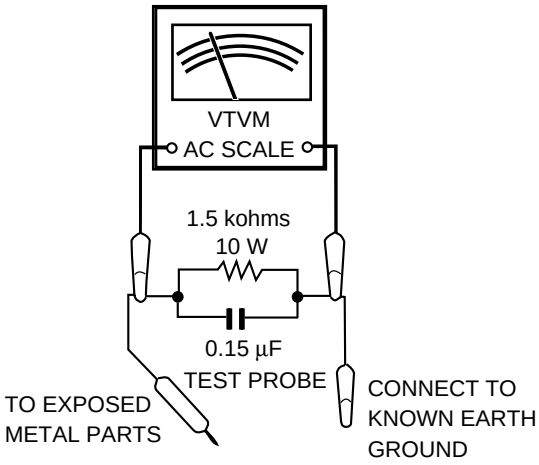
1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.

* Using two clip leads, connect a 1.5 kohm, 10 watt resistor paralleled by a 0.15 µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.

* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).

* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



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

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

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

SPECIFICATIONS

CD-XP120

■ General

Power source	AC 120 V, 60 Hz
Power consumption	53 W
Dimensions	Width: 10-5/8" (270 mm) Height: 12" (305 mm) Depth: 13-1/2" (343 mm)
Weight	12.8 lbs. (5.8 kg)

■ Amplifier

Output power	20 watts minimum RMS per channel into 8 ohms from 100 Hz to 20 kHz, 10% total harmonic distortion
Output terminals	Speakers: 8 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms)

■ CD player

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

■ Tuner

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

■ Cassette deck

Frequency response	125 - 8,000 Hz (Normal tape)
Signal/noise ratio	50 dB (TAPE 1, recording/playback) 50 dB (TAPE 2, playback)
Wow and flutter	0.3 % (WRMS)

CP-XP120

Type	2-way type speaker system Tweeter 4" (10 cm) Woofer
Maximum input power	40 W
Rated input power	20 W
Impedance	8 ohms
Dimensions	Width: 7-7/8" (200 mm) Height: 12" (305 mm) Depth: 6-9/16" (167 mm)
Weight	4.6 lbs. (2.1 kg)/each

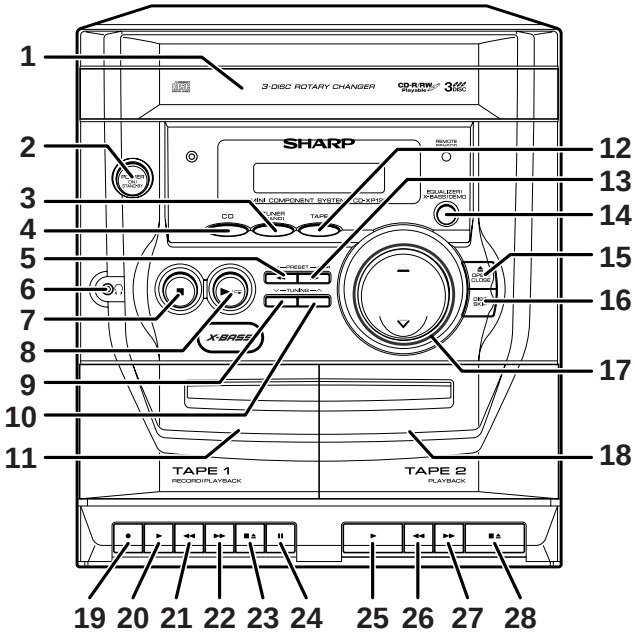
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

CD-XP120

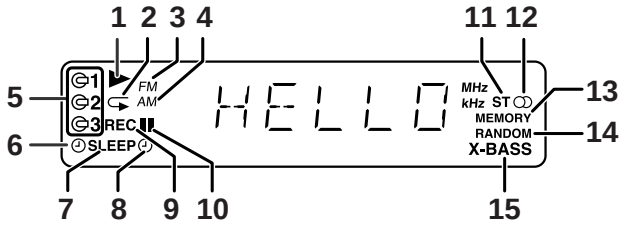
■ Front panel

1. Disc Tray
2. Power On/Stand-by Button
3. Tuner (Band) Button
4. CD Button
5. CD Track Down or Fast Reverse, Tuner Preset Down Button
6. Headphone Jack
7. CD Stop Button
8. CD Play or Repeat Button
9. Tuning Down Button
10. Tuning Up Button
11. Tape 1 Cassette Compartment
12. Tape Button
13. CD Track Up or Fast Forward, Tuner Preset Up Button
14. Equalizer Mode Select/Extra Bass/ Demo Mode Button
15. Disc Tray Open/Close Button
16. Disc Skip Button
17. Volume Up and Down Buttons
18. Tape 2 Cassette Compartment
19. Tape 1 Record Button
20. Tape 1 Play Button
21. Tape 1 Rewind Button
22. Tape 1 Fast Forward Button
23. Tape 1 Stop/Eject Button
24. Tape 1 Pause Button
25. Tape 2 Play Button
26. Tape 2 Rewind Button
27. Tape 2 Fast Forward Button
28. Tape 2 Stop/Eject Button



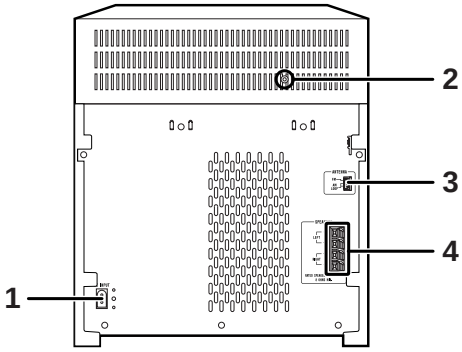
■ Display

1. CD Play Indicator
2. CD Repeat Play Indicator
3. FM Station Indicator
4. AM Station Indicator
5. Disc Number Indicators
6. Clock Indicator
7. Sleep Indicator
8. Timer Play Indicator
9. Tape 1 Record Indicator
10. CD Pause Indicator
11. FM Stereo Mode Indicator
12. FM Stereo Receiving Indicator
13. Memory Indicator
14. Random Play Indicator
15. Extra Bass Indicator



■ Rear panel

1. AC Power Input Jack
2. Transport Screw
3. FM/AM Loop Antenna Jack
4. Speaker Terminals

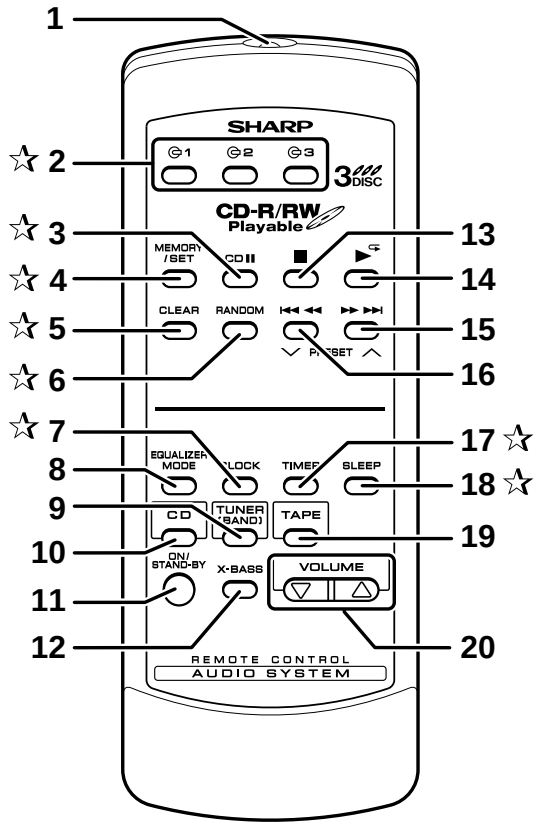


CD-XP120

■ Remote control

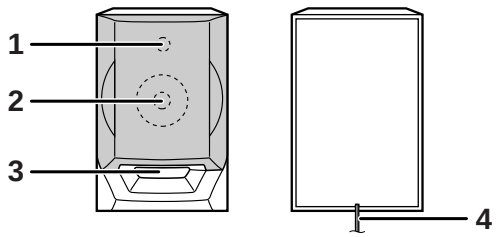
1. Remote Control Transmitter
2. Disc Number Select Buttons
3. CD Pause Button
4. Memory/Set Button
5. Clear Button
6. CD Random Button
7. Clock Button
8. Equalizer Mode Select Button
9. Tuner (Band) Button
10. CD Button
11. Power On/Stand-by Button
12. Extra Bass Button
13. CD Stop Button
14. CD Play or Repeat Button
15. CD Track Up or Fast Forward, Tuner Preset Up Button
16. CD Track Down or Fast Reverse, Tuner Preset Down Button
17. Timer Button
18. Sleep Button
19. Tape Button
20. Volume Up and Down Buttons

Buttons with "☆" mark in the illustration can be operated on the remote control only.



CP-XP120

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



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 to 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-XP120

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw ..... (A1) x4	5-1
2	Side Panel (Left/Right)	1. Screw ..... (B1) x6	5-1
3	CD Player Unit	1. Turn on the power supply, open the disc tray, take out the CD tray cover, and close. 2. CD Tray Cover ..... (C1) x1 3. Hook ..... (C2) x2 4. Socket ..... (C3) x4	5-2 5-3
4	Rear Panel	1. Screw ..... (D1) x6	5-2
5	Main PWB	1. Screw ..... (E1) x5 2. Socket ..... (E2) x7	5-2,5-3 5-3
6	Front Panel	1. Screw ..... (F1) x3 2. Hook ..... (F2) x2	5-3
7	Switch A PWB	1. Screw ..... (G1) x3 2. Socket ..... (G2) x1	6-1
8	Display PWB	1. Screw ..... (H1) x10	6-1
9	Tape Mechanism	1. Open the cassette holder. 2. Screw..... (J1) x8	6-1
10	Headphones PWB	1. Screw ..... (K1) x1	6-1
11	Turntable	1. Screw ..... (L1) x1 2. Spacer ..... (L2) x1	6-2
12	Loading Tray	1. Push forward the loading tray. 2. Inserting the flat head into the hole, push in the direction indicated by the arrow. ... (M1) x2	6-2
13	CD Servo PWB (Note 1)	1. Screw ..... (N1) x3 2. Socket ..... (N2) x5	6-3
14	Switch B PWB	1. Screw ..... (P1) x2	6-3
15	CD Mechanism	1. Screw ..... (Q1) x4 2. Spring ..... (Q2) x4	6-4

Note 1:

1. After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

CD-XP120

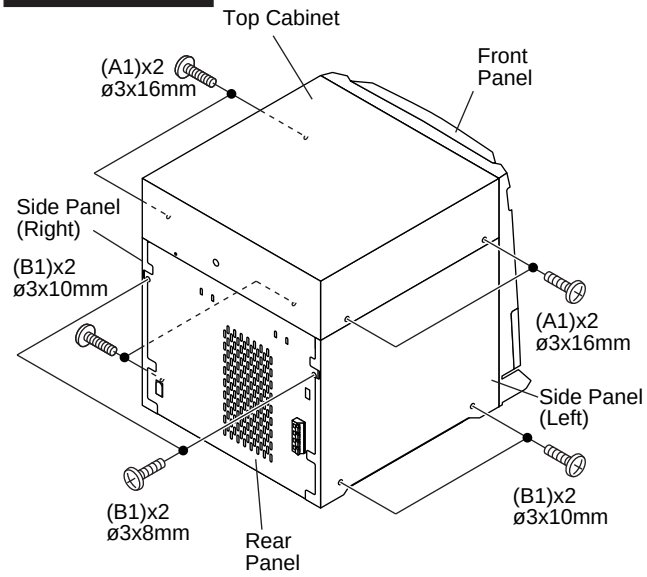


Figure 5-1

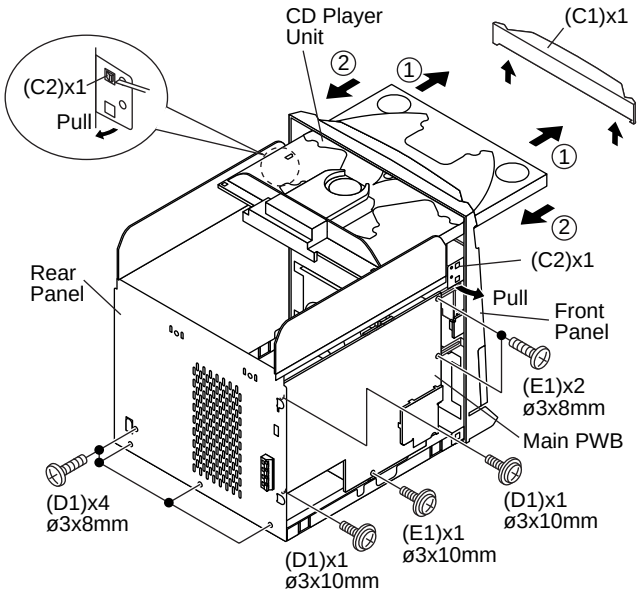


Figure 5-2

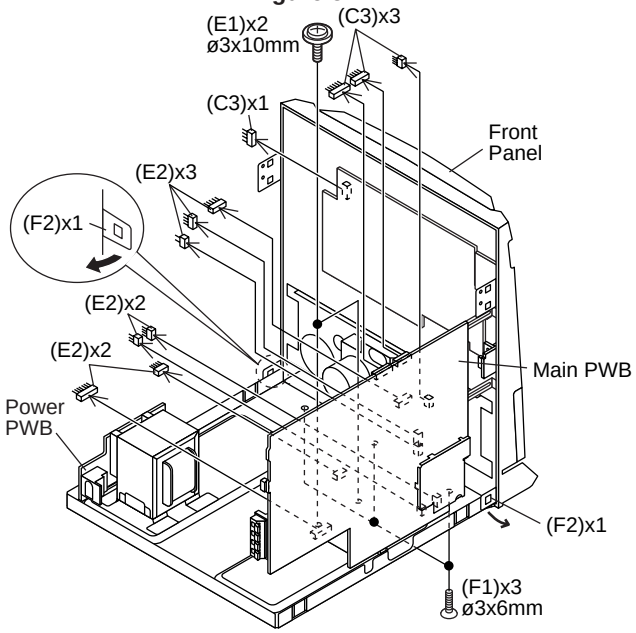


Figure 5-3

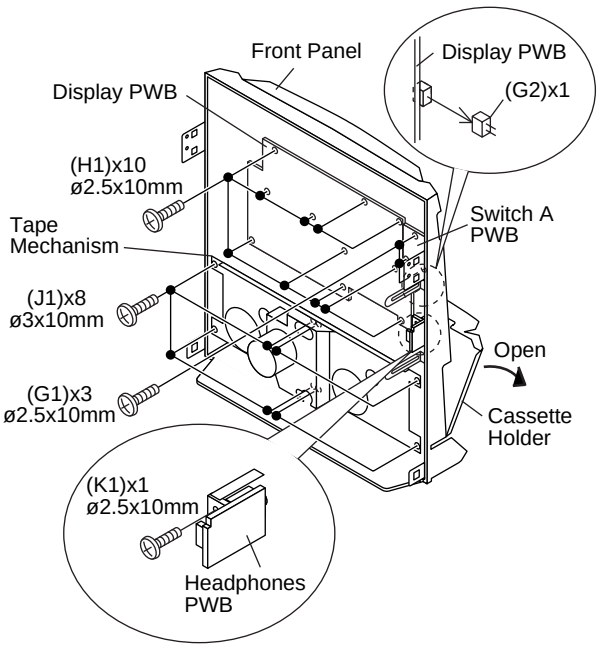


Figure 6-1

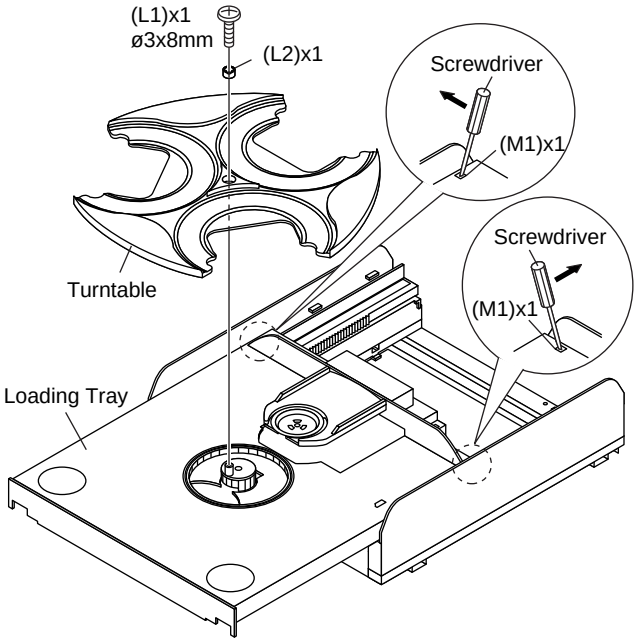


Figure 6-2

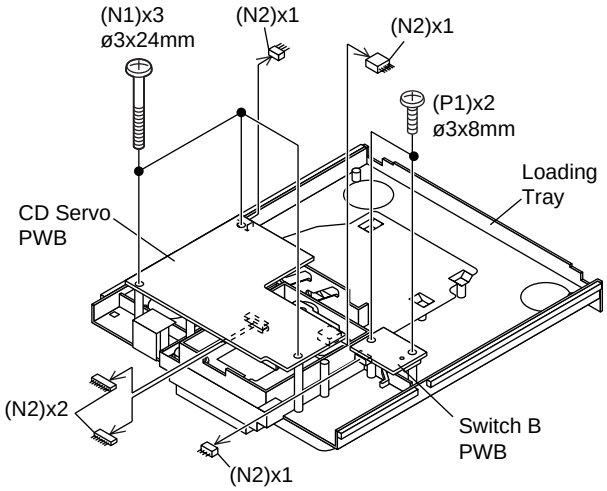


Figure 6-3

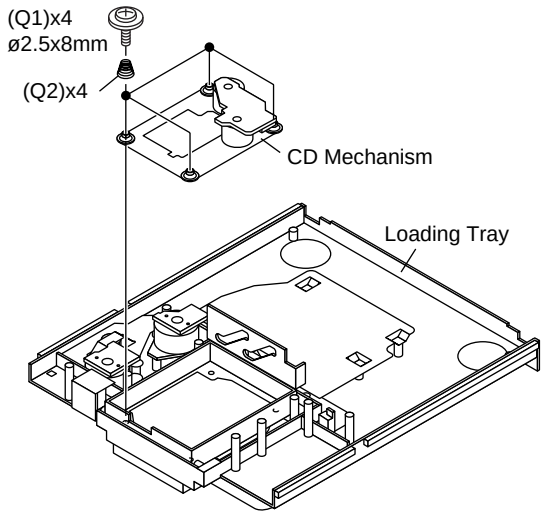


Figure 6-4

CP-XP120

This speaker CP-XP120 is available in assembles only and may not be disassembled.

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 6 and 9 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (TAPE 1) (See Fig. 7-1)

1. When you remove the screws (A1) x 2 pcs., the record/playback head can be removed.
2. Move the hooks (A2) x 2 pcs., toward the center position as shown in Fig. 7-1 and then lift the erase head.

How to remove the playback head (TAPE 2) (See Fig. 7-2)

1. When you remove the screws (B1) x 2 pcs., the playback head can be removed.

How to remove the pinch roller (TAPE 1) (See Fig. 7-3)

1. When you remove the screw (C1) x 1 pc., the pinch roller can be removed.

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

How to remove the pinch roller (TAPE 2) (See Fig. 7-3)

1. When you remove the screw (D1) x 1 pc., the pinch roller can be removed.

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

How to remove the motor (See Fig. 7-4)

1. Remove the belt.
2. Remove the screws (E1) x 6 pcs., to remove the motor bracket.
3. Remove the screws (E2) x 3 pcs., to remove the motor.

How to remove the belt (TAPE 1) (See Fig. 7-5)

1. Remove the main belt (F1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (F2) x 1 pc.

How to remove the belt (TAPE 2) (See Fig. 7-5)

1. Remove the main belt (G1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (G2) x 1 pc.

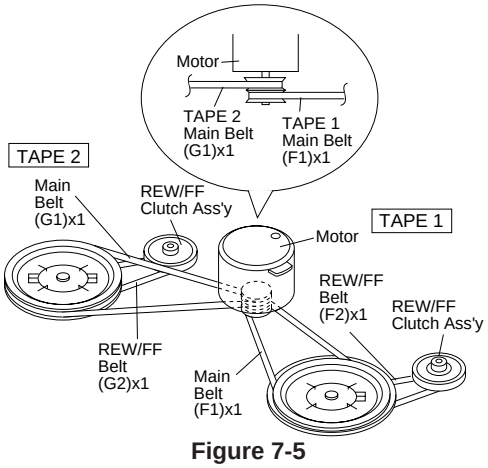


Figure 7-5

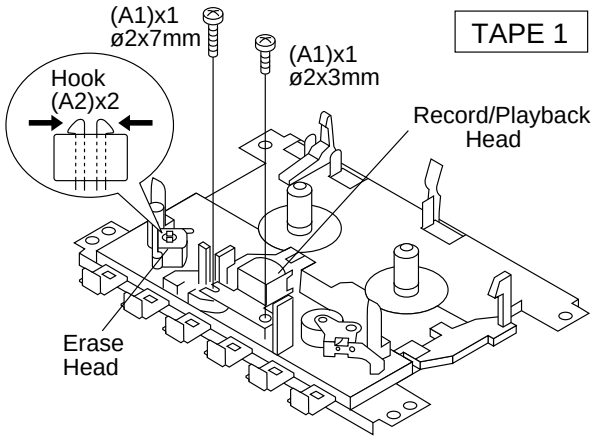


Figure 7-1

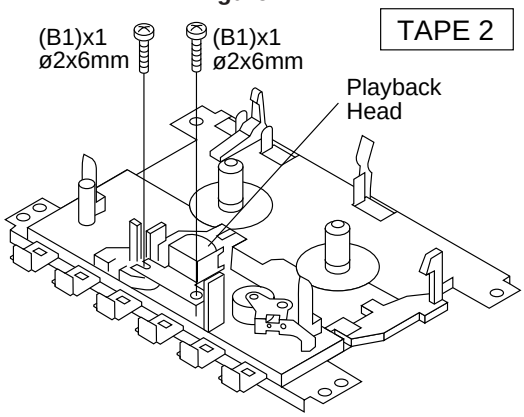


Figure 7-2

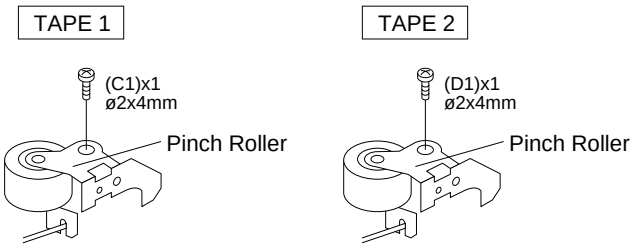
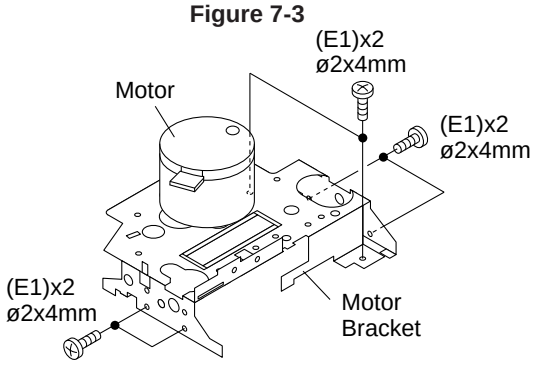


Figure 7-3



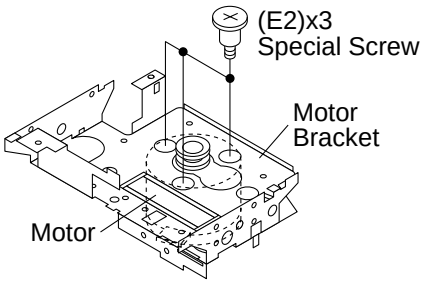


Figure 7-4

CD MECHANISM SECTION

Perform steps 1, 2, 3, 11, 12, 13 and 15 of the disassembly method to remove the CD mechanism.

How to remove the T/T up/down motor (See Figs. 8-1, 8-2)

1. Remove the screws (A1) x 4 pcs.
2. Remove the belt (A2) x 1 pc.
3. Remove the screws (A3) x 2 pcs., to remove the T/T up/down motor.

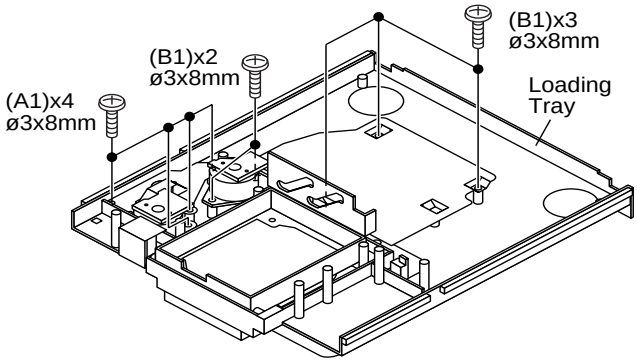


Figure 8-1

How to remove the loading motor (See Figs. 8-1, 8-2)

1. Remove the screws (B1) x 5 pcs.
2. Remove the belt (B2) x 1 pc.
3. Remove the screws (B3) x 2 pcs., to remove the loading motor.

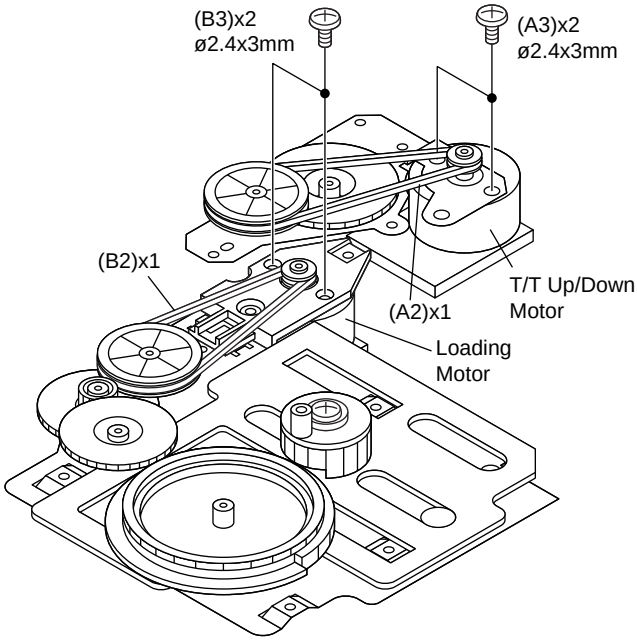


Figure 8-2

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

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

Note

After removing the connector for the optical pickup from the connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

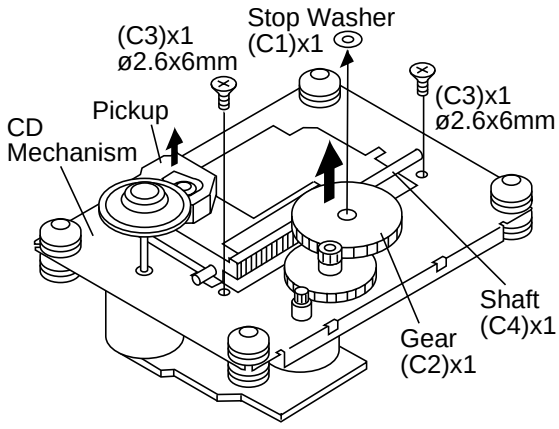


Figure 8-3

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g.cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
Rewind: TW-2231	—	70 to 180 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Tape speed	MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz	Speaker Terminal (Load resistance: 6 ohms)

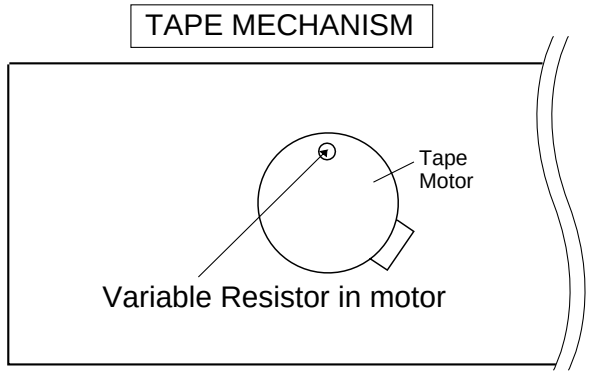


Figure 9-1

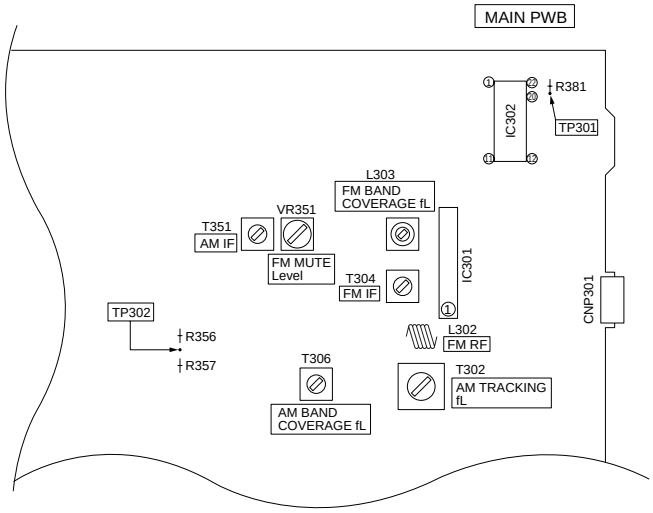


Figure 9-2 ADJUSTMENT POINTS

TUNER SECTION

fL: Low-range frequency
fH: High-range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,720 kHz	T351	*1
AM Band Coverage	—	530 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 RF

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

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	L303 (fL): 1.3 V ± 0.1 V	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L302	*2

*1. Input: Antenna Output: TP301
*2. Input: Antenna Output: Speaker Terminal

• FM IF

Signal generator: 10.7 MHz, FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
IF	10.7 MHz	98 MHz	T304 (Turn the core of transformer T304 fully counter-clock wise)	*1

*1. Input: Antenna Output: TP301

• FM Mute Level (FM ST MODE)

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

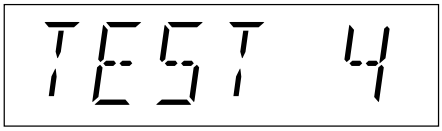
Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz (26 dBμV)	98.00 MHz	VR351*1	Input:CNP301 Output: Speaker Terminal

*1. Adjust so that an output signal appears.

TEST MODE

PLAY + DISC SKIP test04 TIMER ON/OFF TEST MODE

FL DISPLAY:



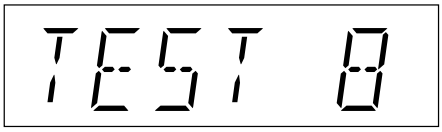
STOP + DISC SKIP test05 VFD DISPLAY WINDOW TEST MODE

FL DISPLAY: VFD ALL LIGHT

FUNCTION: TEST THE VFD DISPLAY WINDOW

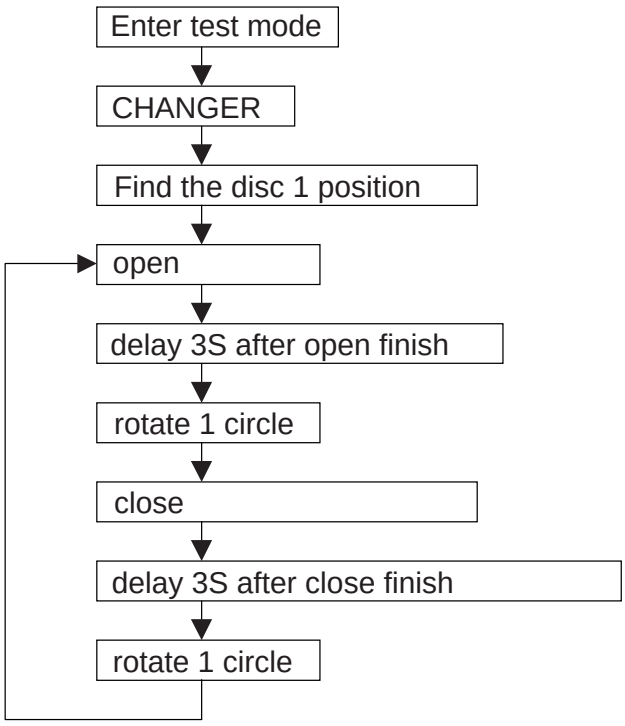
PLAY + OPEN/CLOSE test08 OPEN/CLOSE & 3 DISC CHANGER AGING TEST

DISPLAY:



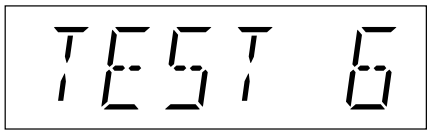
FUNCTION: Enter the TEST MODE 8, MCU control the 3 DISC CHANGER OPEN/CLOSE. After open finished, tray rotate 1 circle (360 degree). Then close, After close finished, tray rotate 1 circle (360 degree) again.

Request: Every period include 4 operation. Below is TIMING:



PLAY + VOLUME DOWN test06 FRONT PANEL KEY TEST

FL DISPLAY:

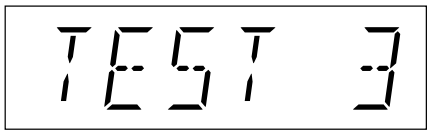


FUNCTION: FRONT PANEL KEY TEST MODE,IF ALL KEY HAVE BEEN PRESSED 1 TIME, THEN

PRESS THE "POWER" KEY, VFD DISPLAY "OK".

PLAY + VOLUME UP test03 VOLUME TEST MODE

FL DISPLAY:

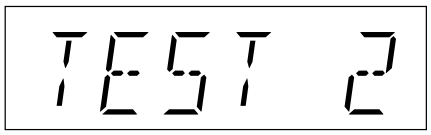


FUNCTION:

1. TEST 3 DISPLAY 1 SECOND. THEN CHANGE TO CD FUNCTION.
2. IN CD FUNCTION (Pickup IN → CHECK DISC1 SW TOC_IL → No DISC → RECEIVE OPEN/CLOSE KEY → OPEN → RECEIVE OPEN/CLOSE KEY → CLOSE)
3. Can change to other function [TAPE/TUNER] FUNCTION KEY PROCESS SAME AS NORMAL PROCESS.
4. In any function within this test mode VOLUME CONTROL HAS 3LEVEL [0/23/MAX] CANCEL VOL UP/DOWN CONTINUE PROCESS FUNCTION.

PLAY + TUNER test02 TUNER TEST MODE

FL DISPLAY



FUNCTION STORE 10 PRESET TUNER IN THE MEMORY [AM/FM ST]
FM test use the BAND key change from FM ST.

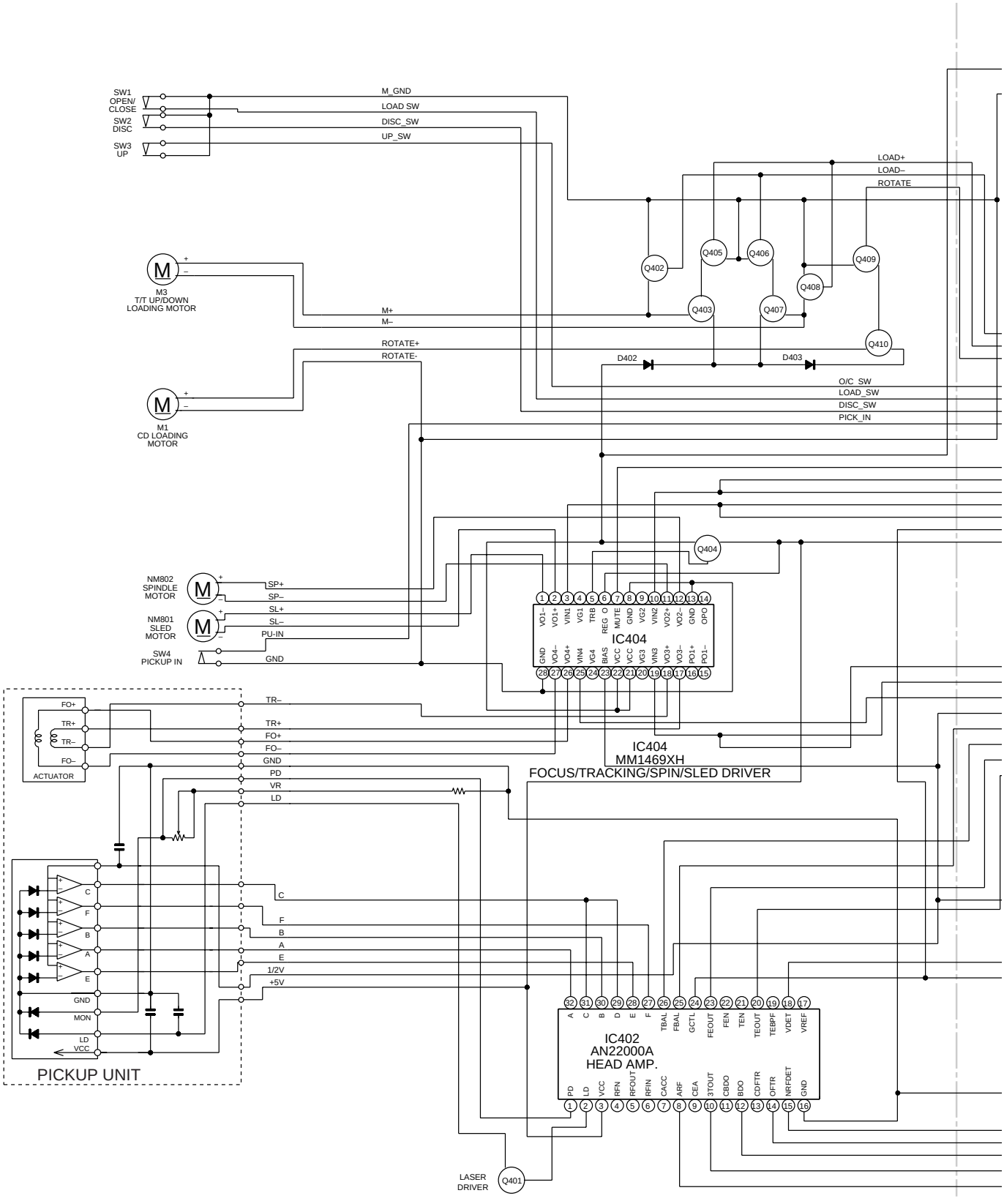


Figure 12 BLOCK DIAGRAM (1/4)

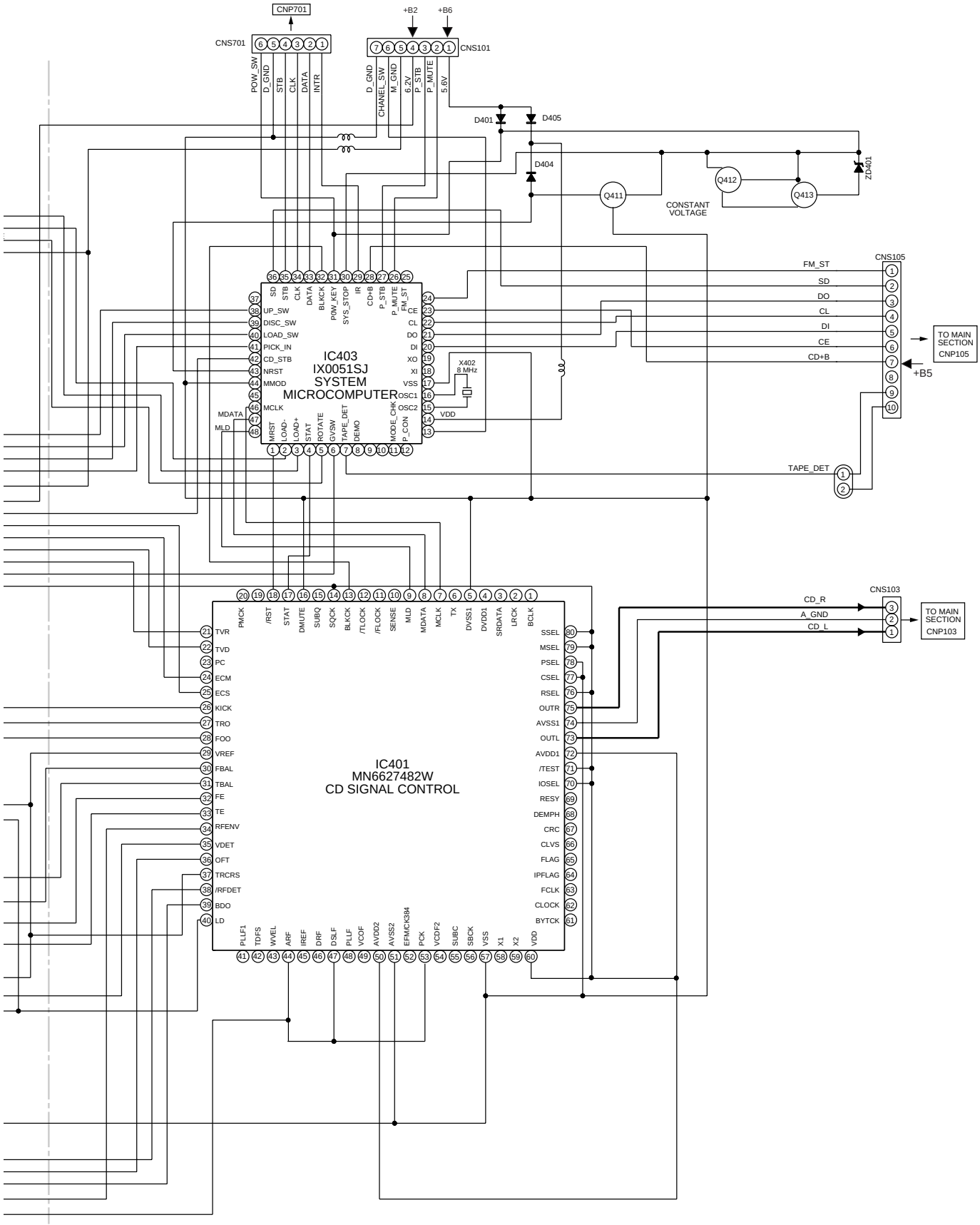


Figure 13 BLOCK DIAGRAM (2/4)

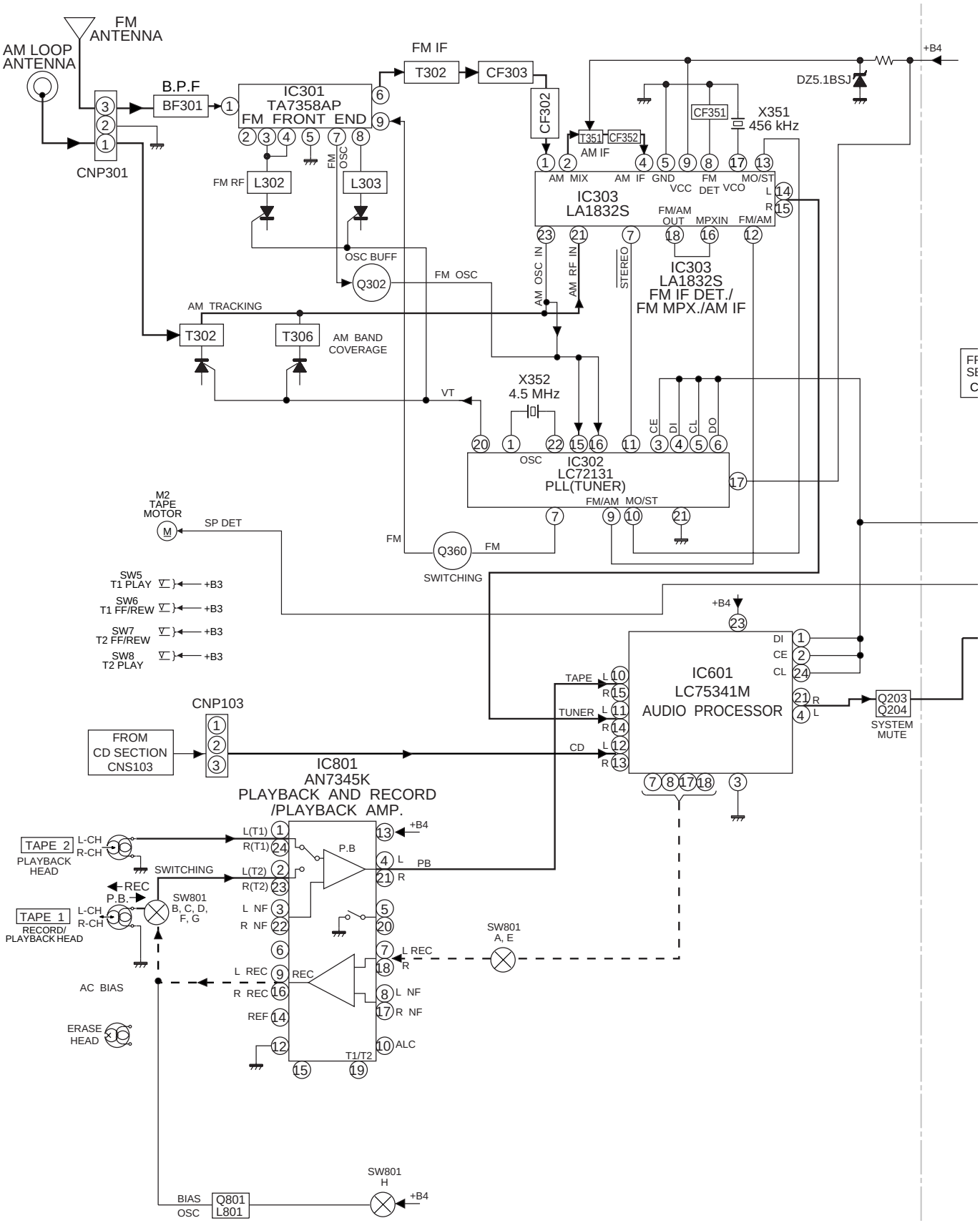


Figure 14 BLOCK DIAGRAM (3/4)

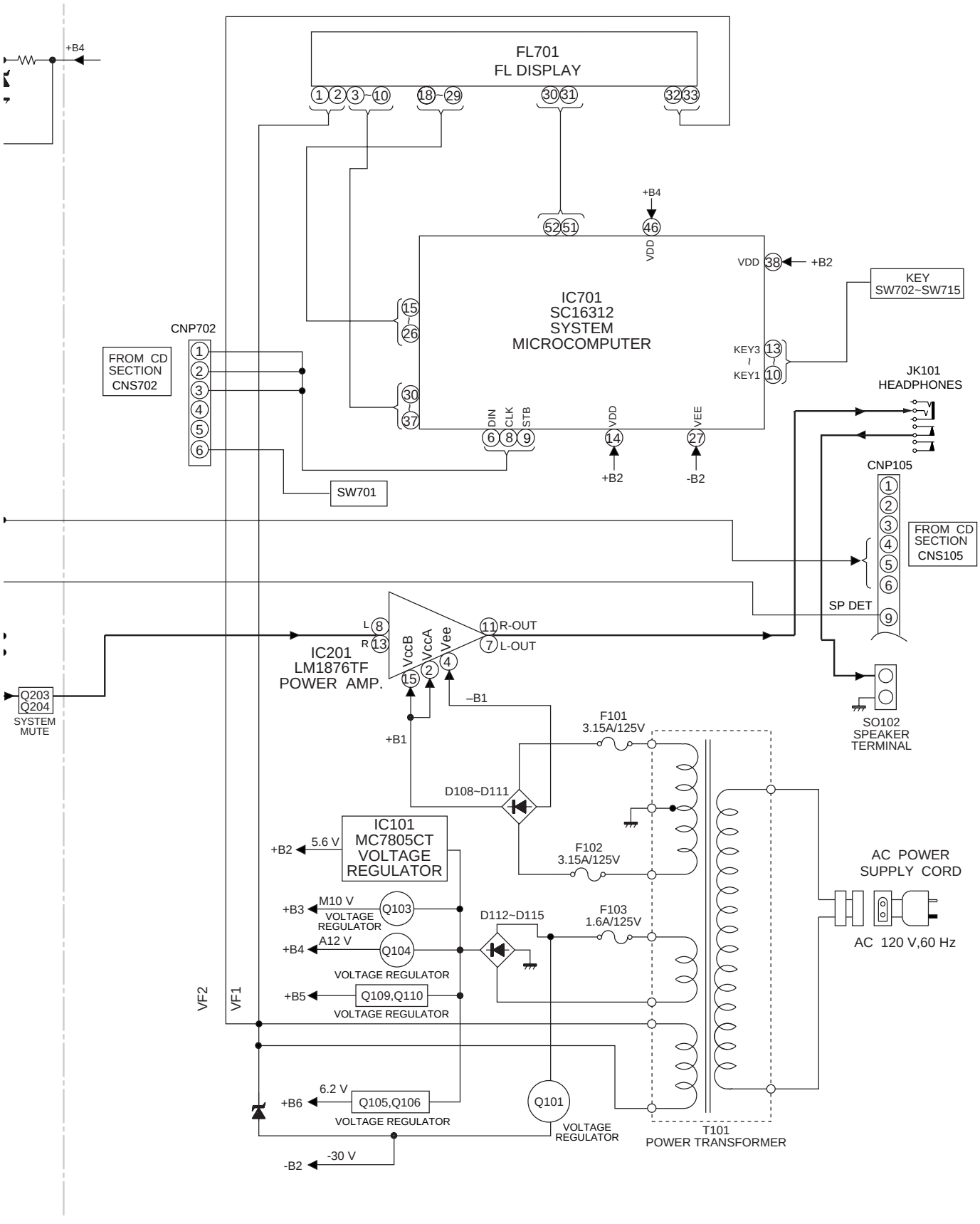
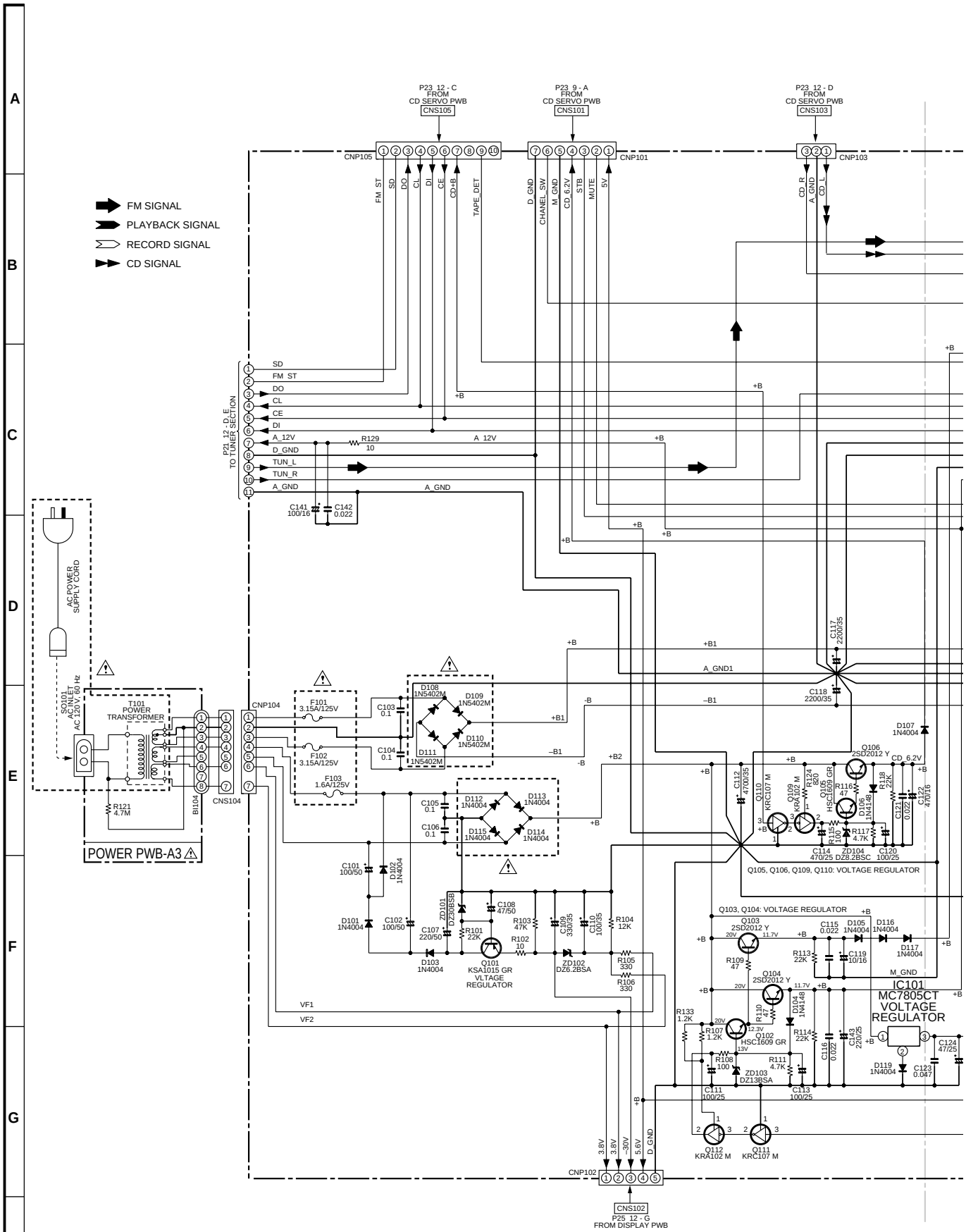


Figure 15 BLOCK DIAGRAM (4/4)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 34.

Figure 16 SCHEMATIC DIAGRAM (1/10)

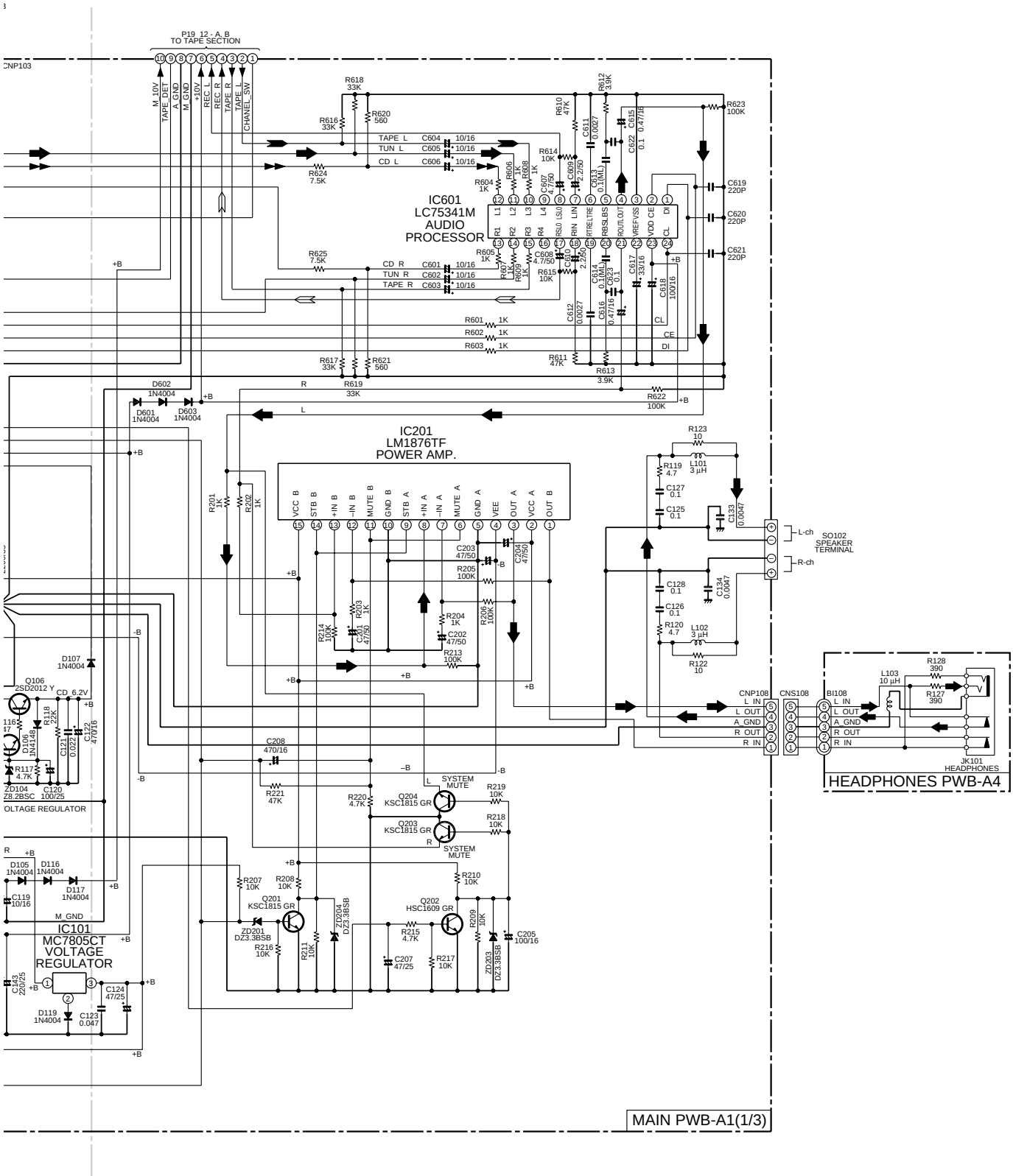
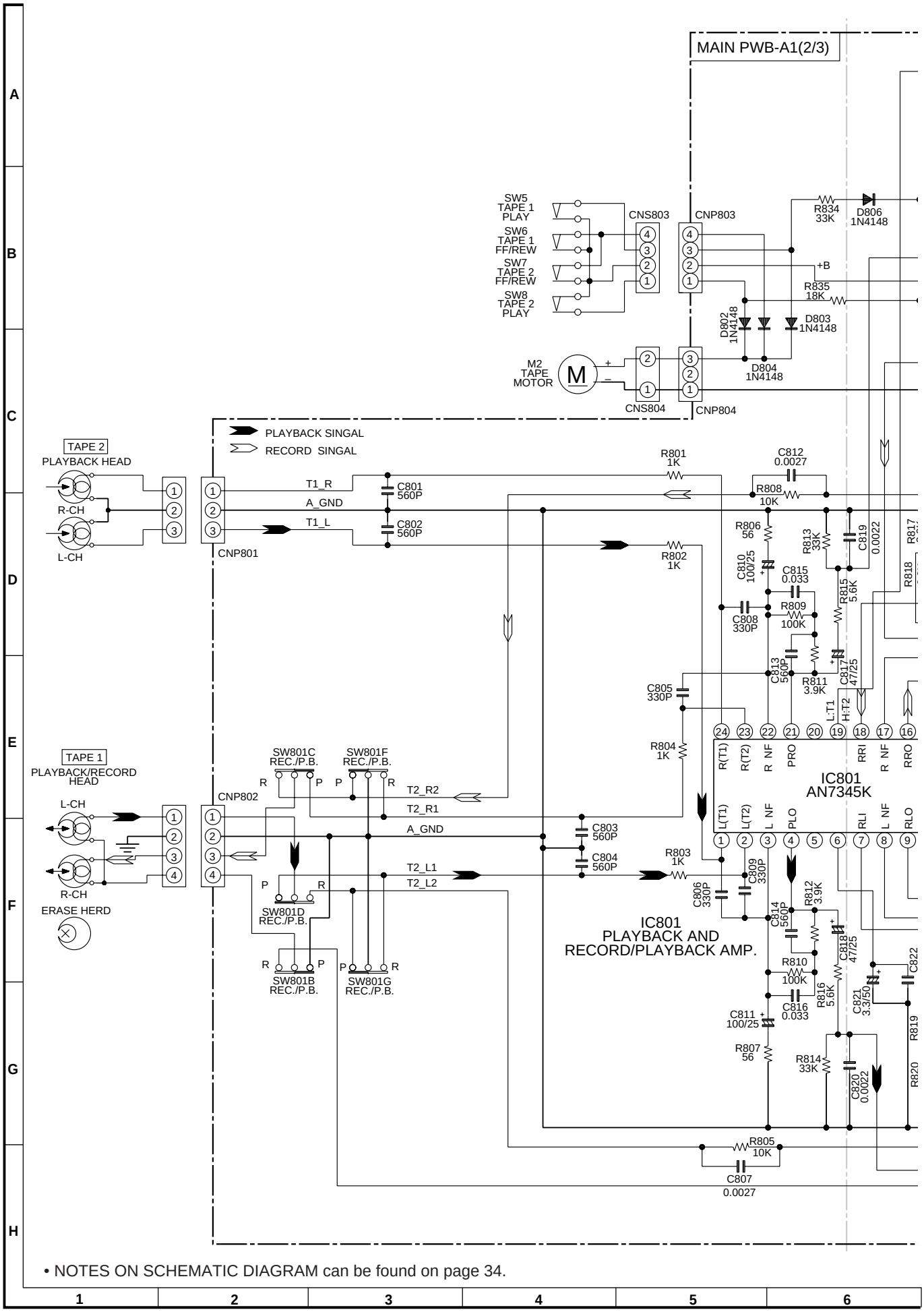
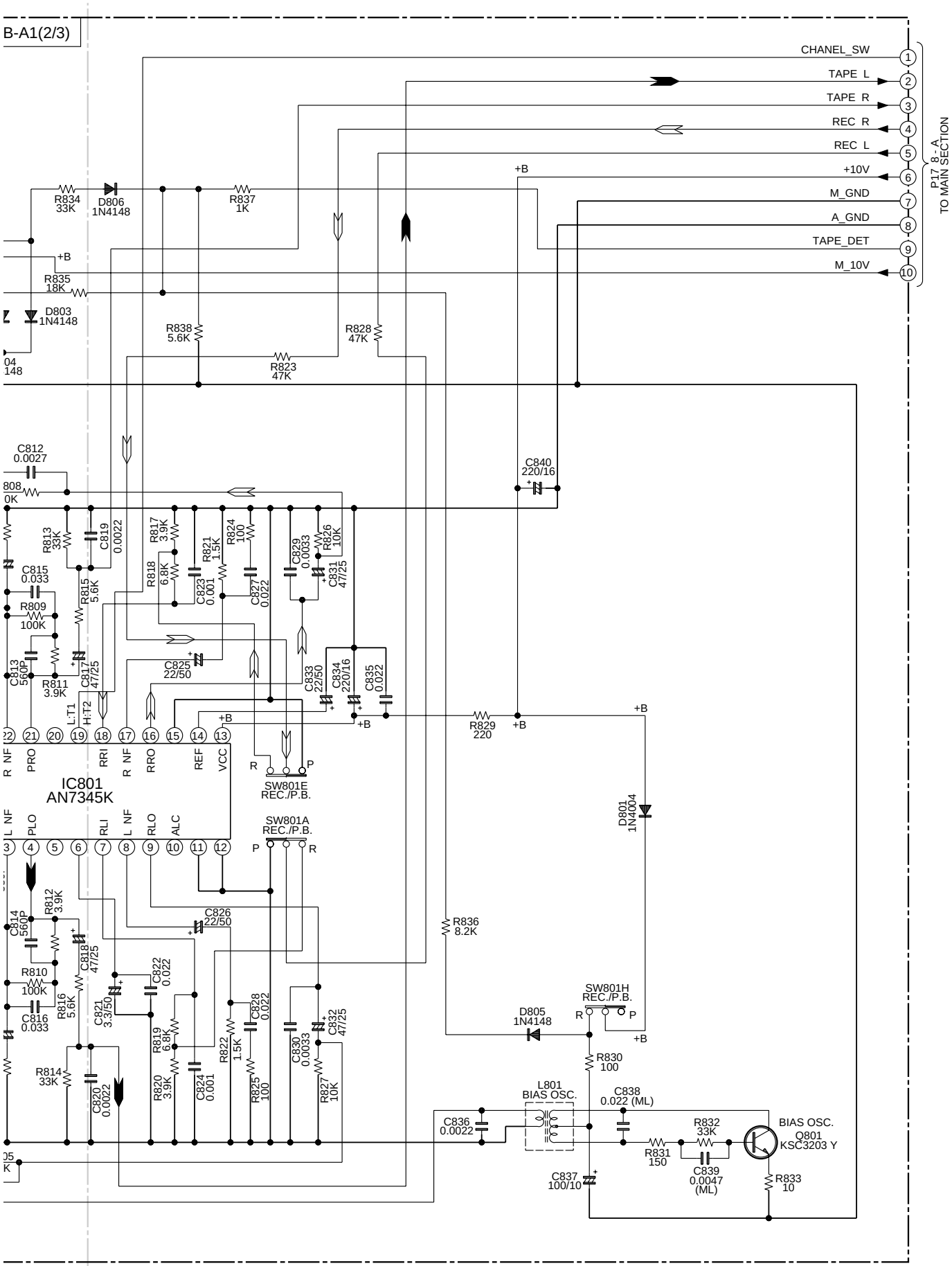


Figure 17 SCHEMATIC DIAGRAM (2/10)



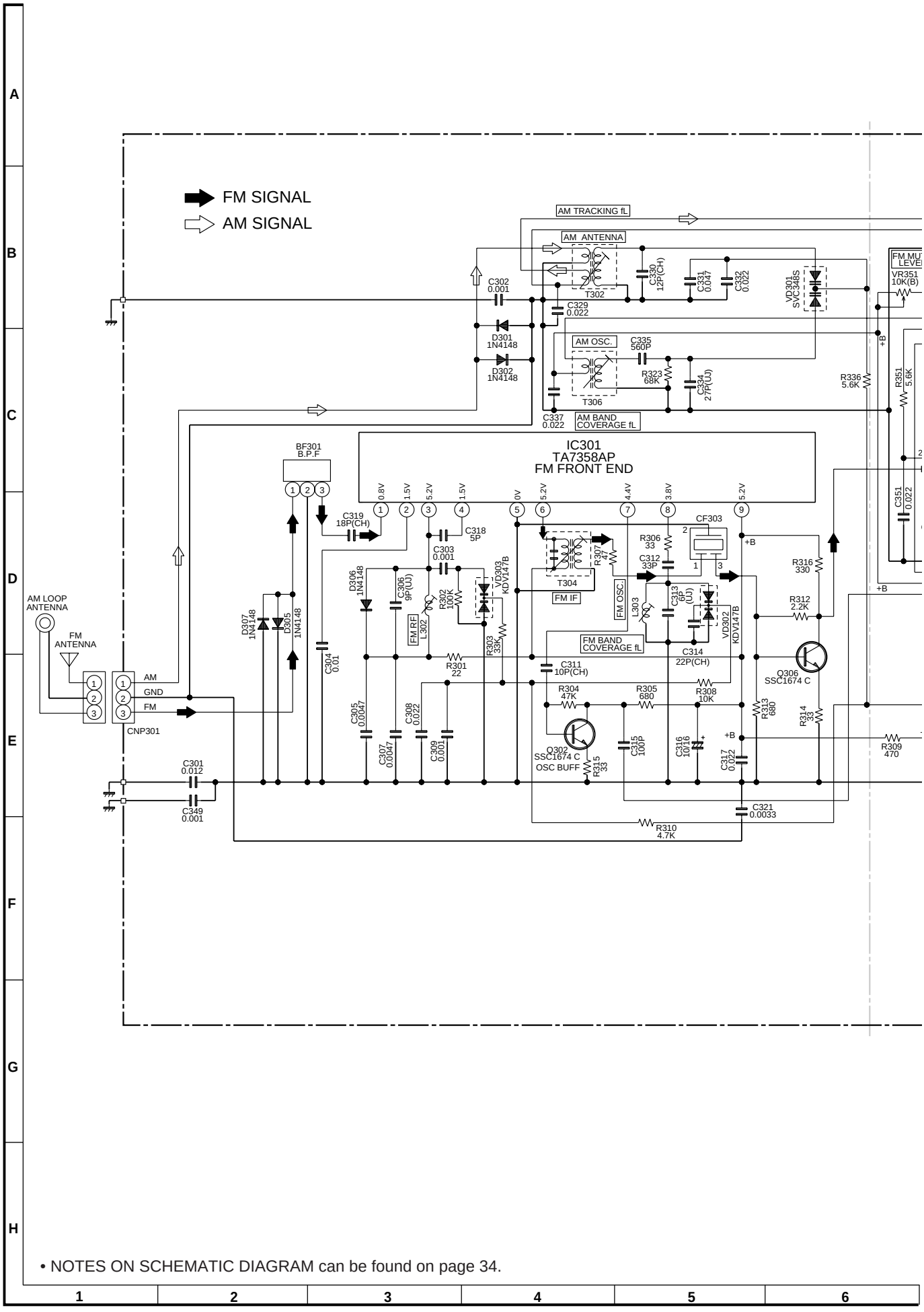
• NOTES ON SCHEMATIC DIAGRAM can be found on page 34.

Figure 18 SCHEMATIC DIAGRAM (3/10)



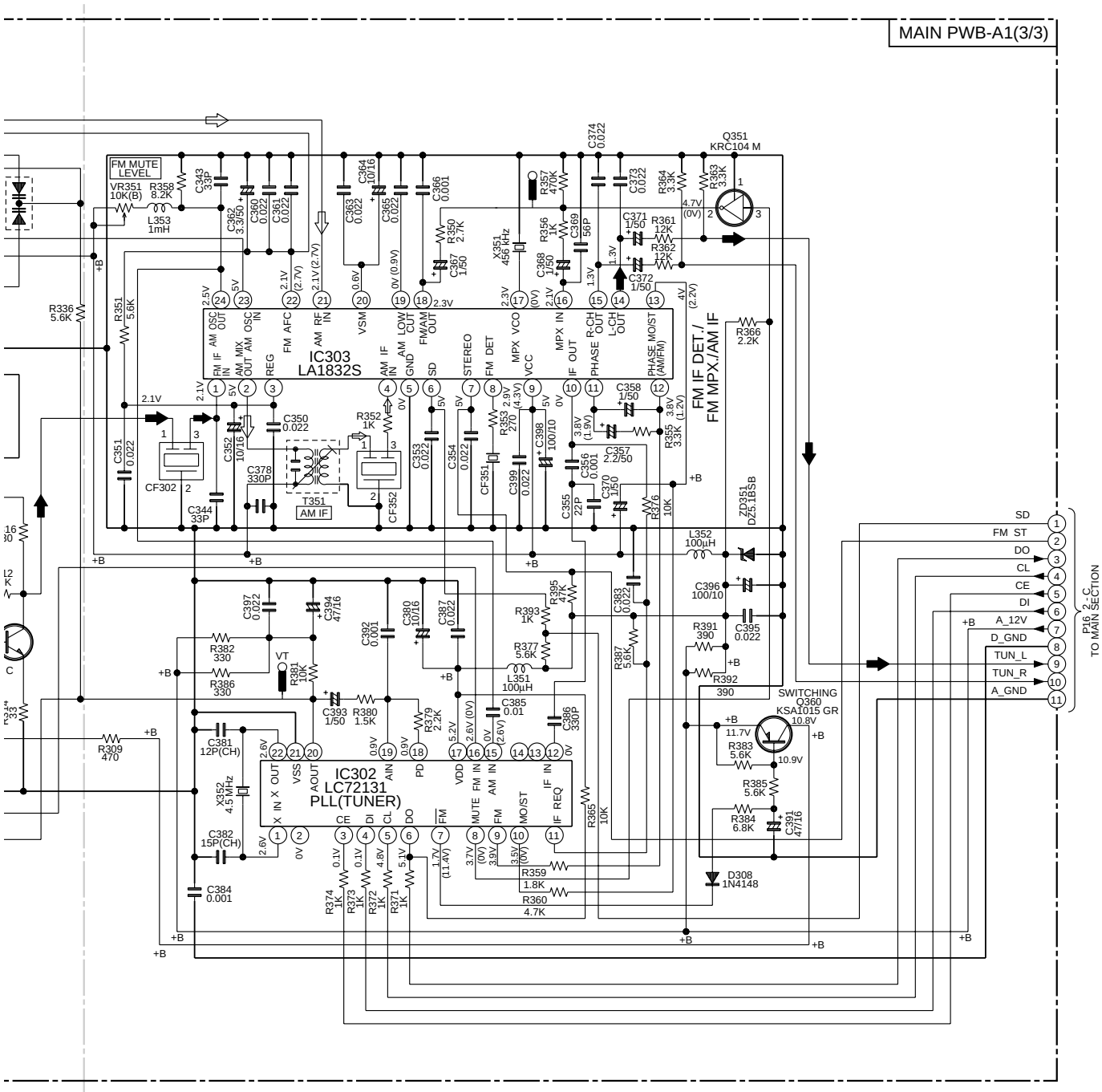
7	8	9	10	11	12

Figure 19 SCHEMATIC DIAGRAM (4/10)



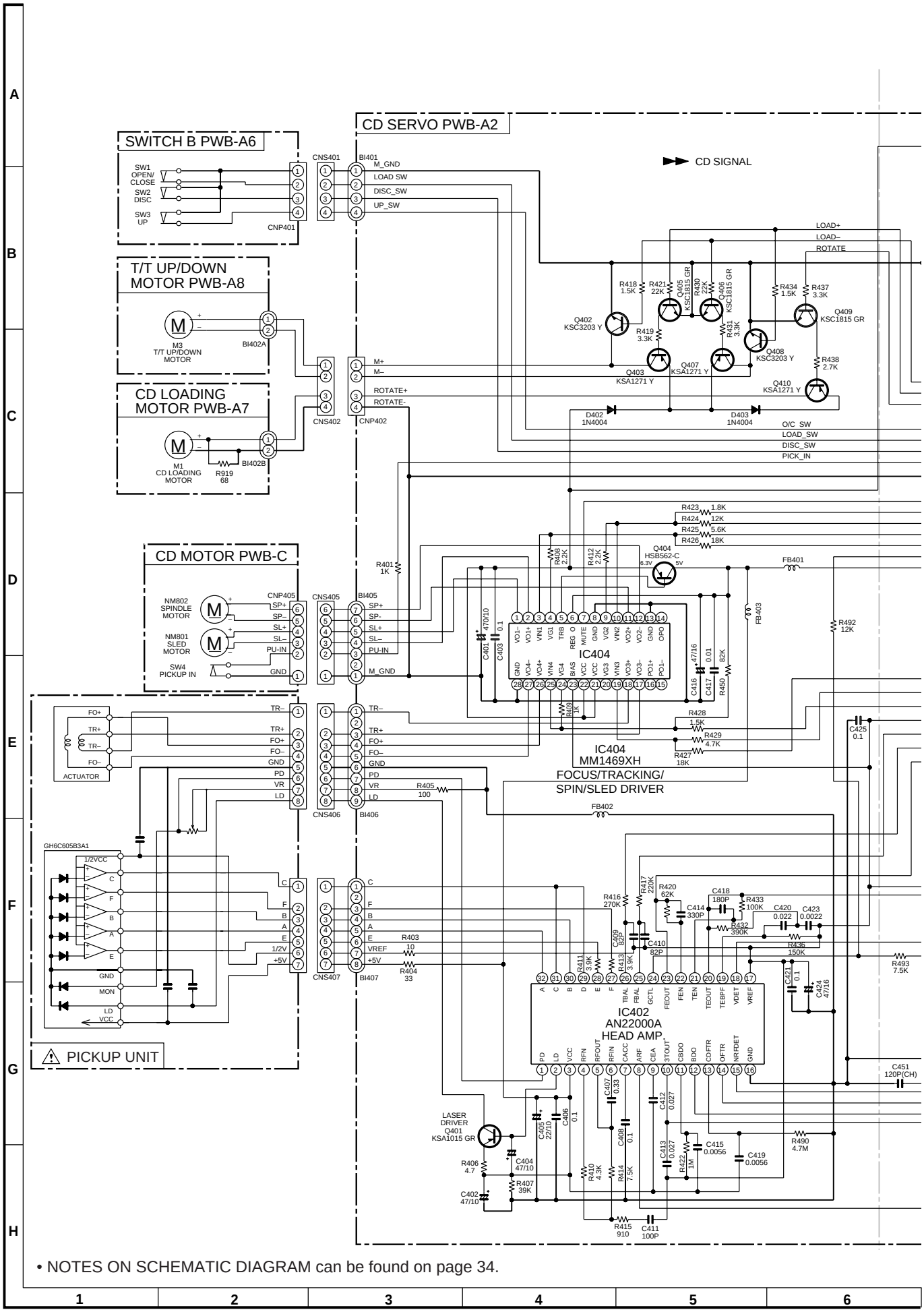
• NOTES ON SCHEMATIC DIAGRAM can be found on page 34.

Figure 20 SCHEMATIC DIAGRAM (5/10)



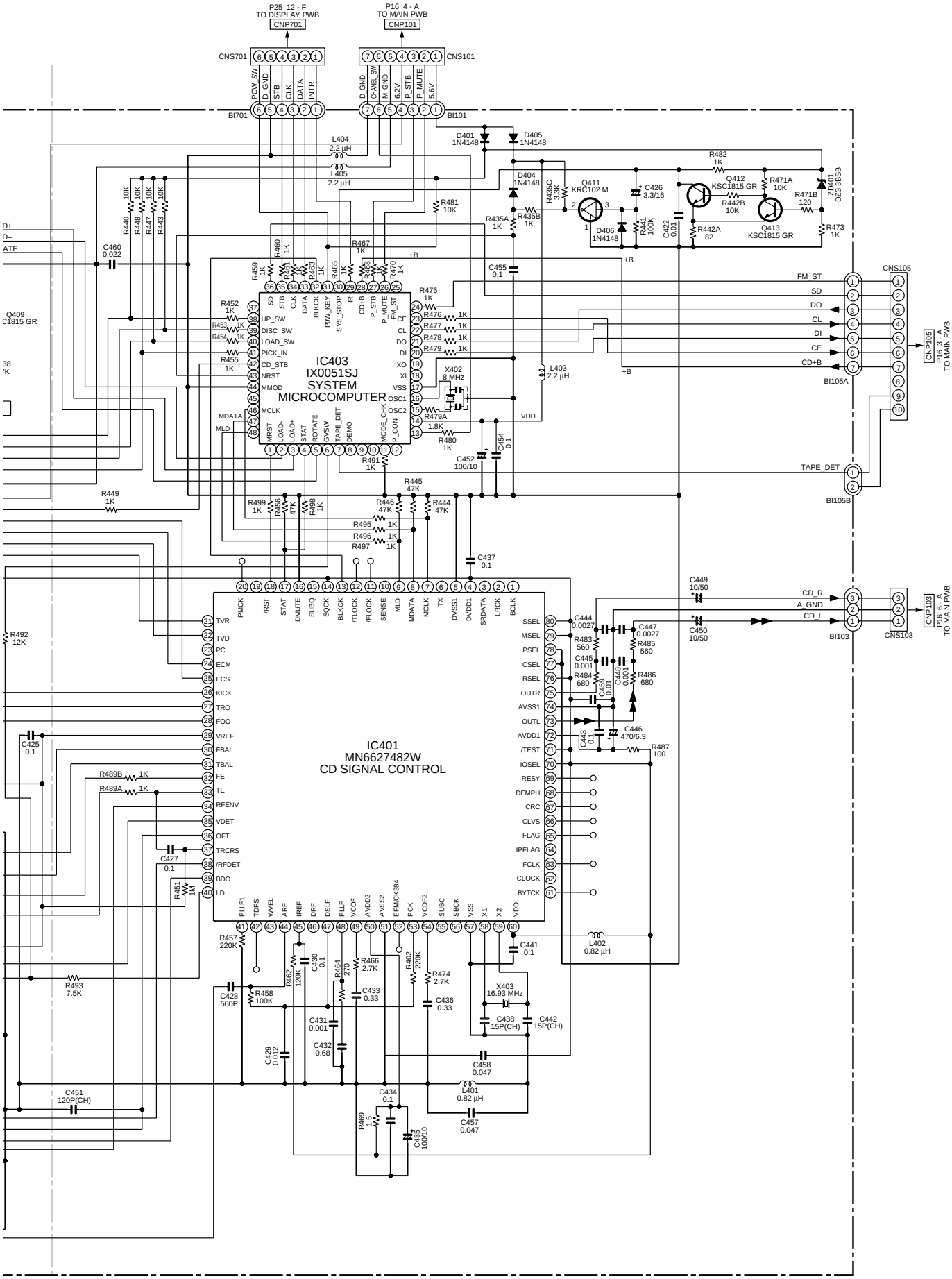
7	8	9	10	11	12

Figure 21 SCHEMATIC DIAGRAM (6/10)



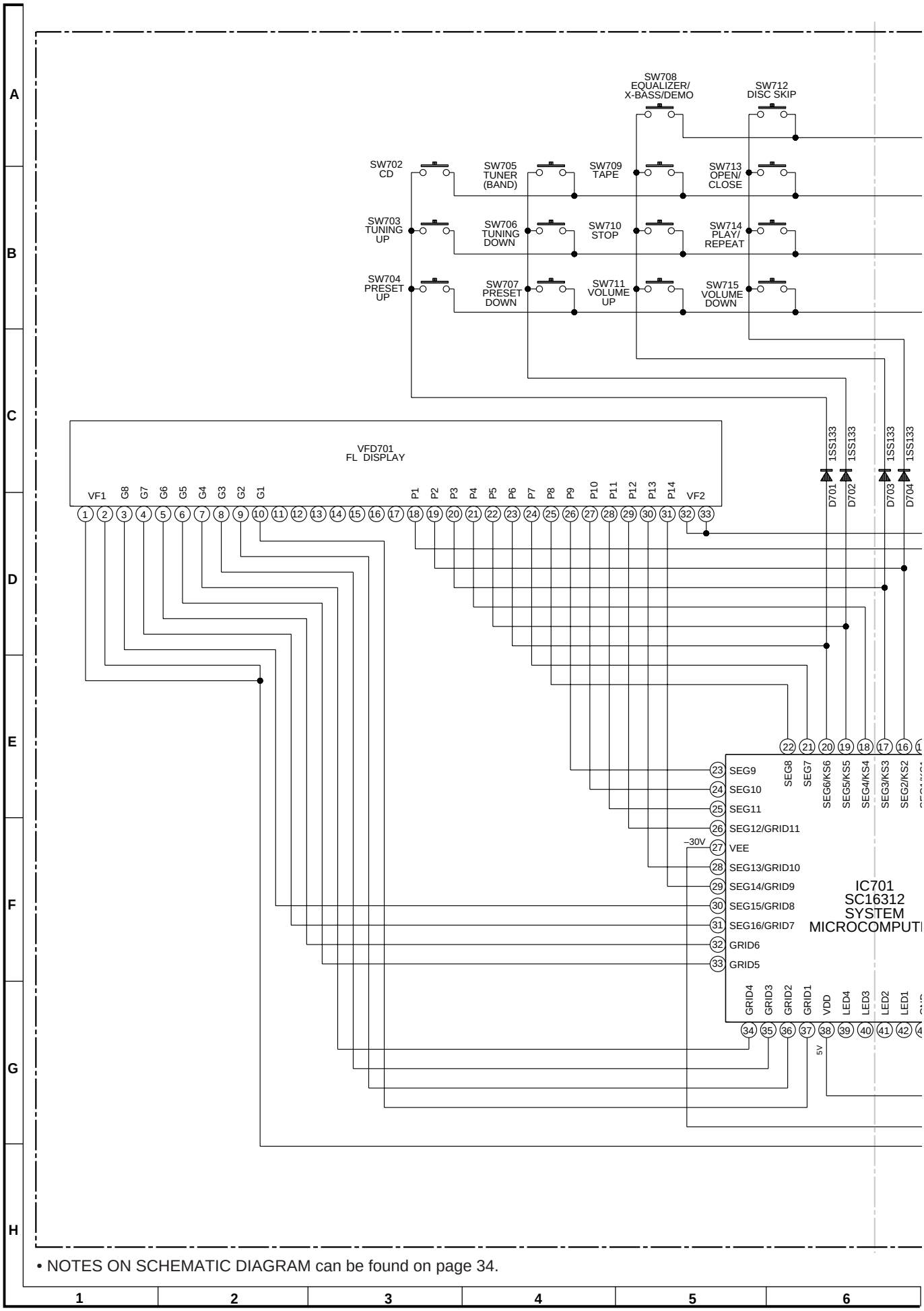
• NOTES ON SCHEMATIC DIAGRAM can be found on page 34.

Figure 22 SCHEMATIC DIAGRAM (7/10)



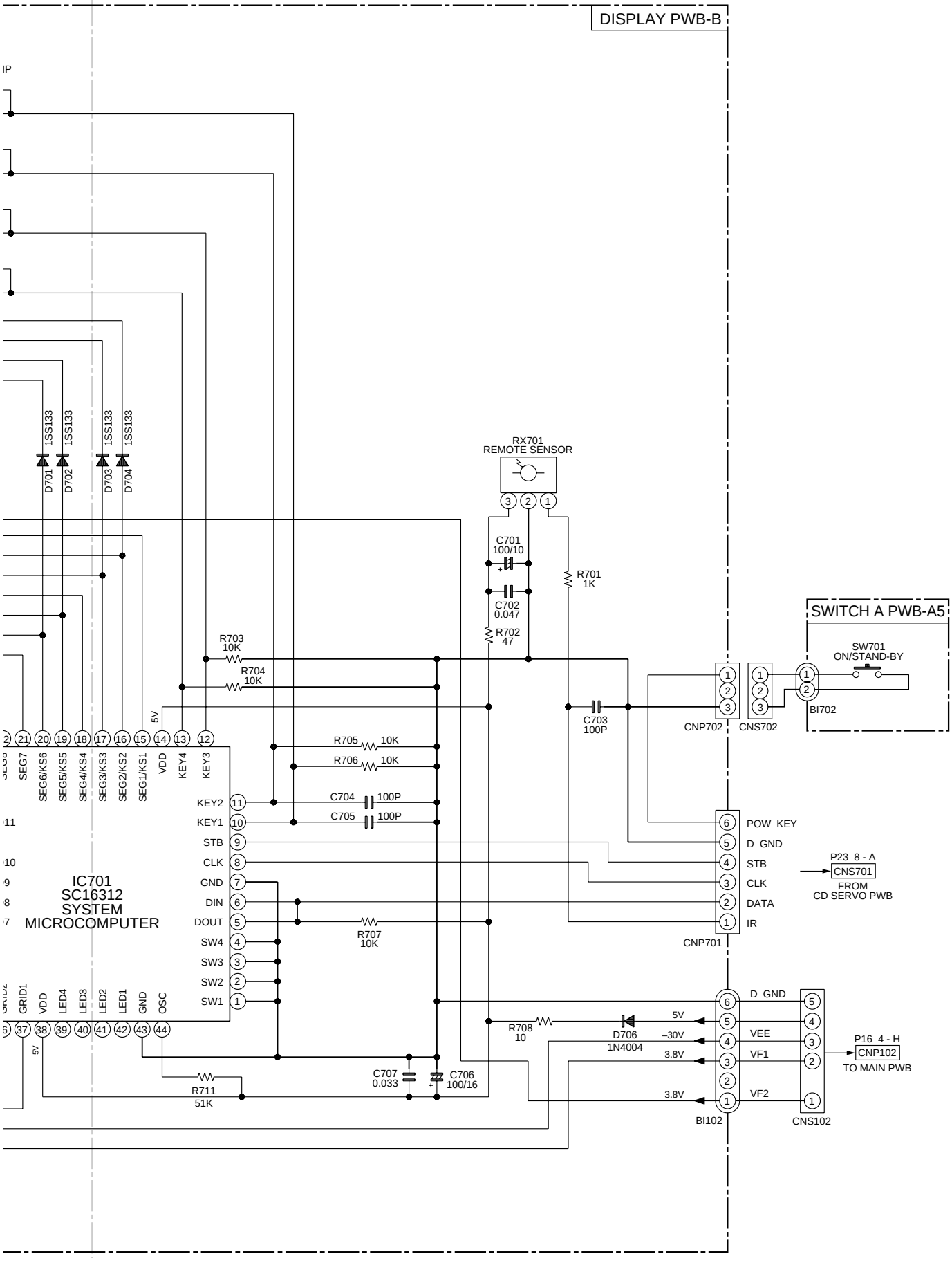
7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (8/10)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 34.

Figure 24 SCHEMATIC DIAGRAM (9/10)



7	8	9	10	11	12

Figure 25 SCHEMATIC DIAGRAM (10/10)

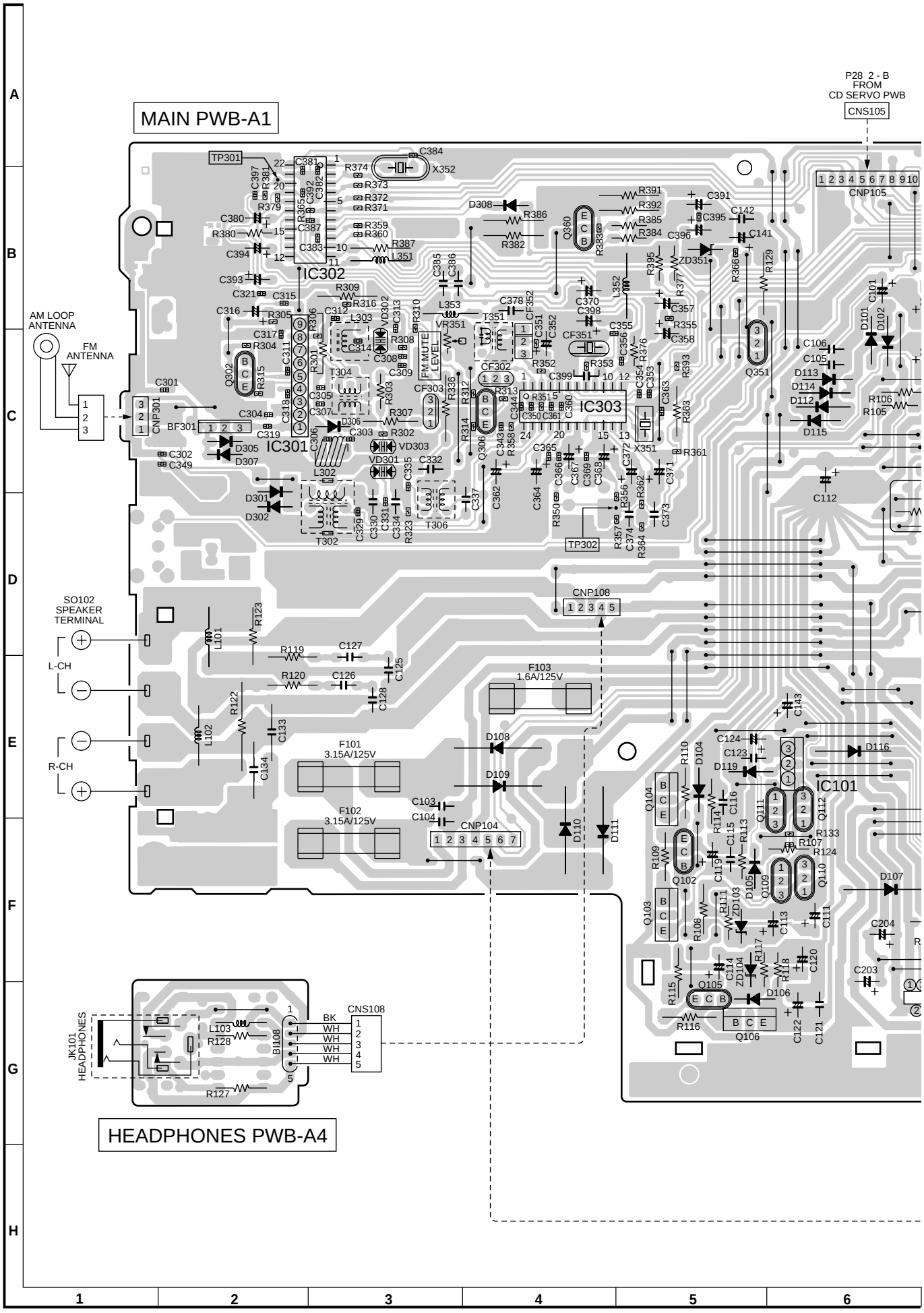
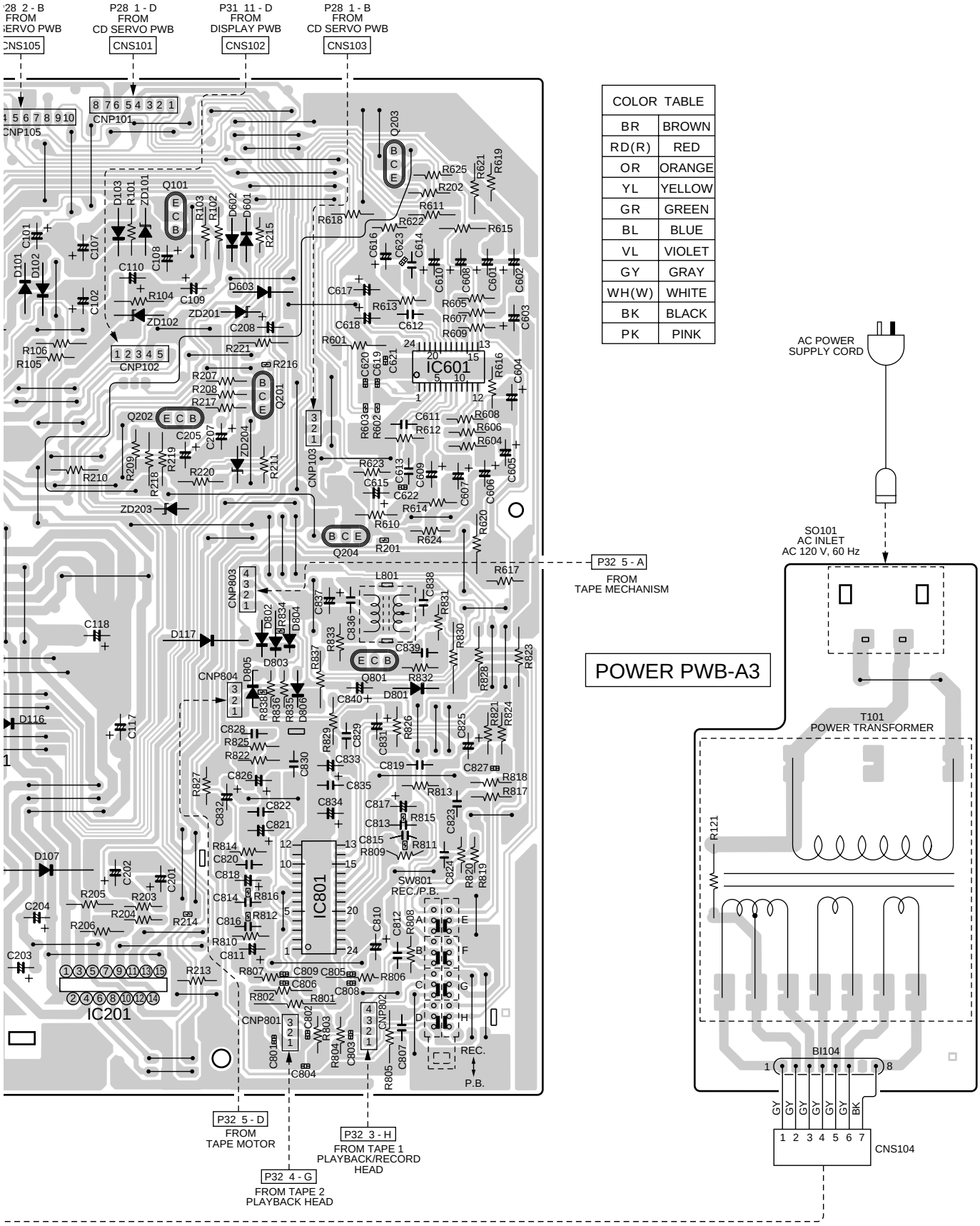


Figure 26 WIRING SIDE OF P.W.BOARD (1/7)



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

7	8	9	10	11	12

Figure 27 WIRING SIDE OF P.W.BOARD (2/7)

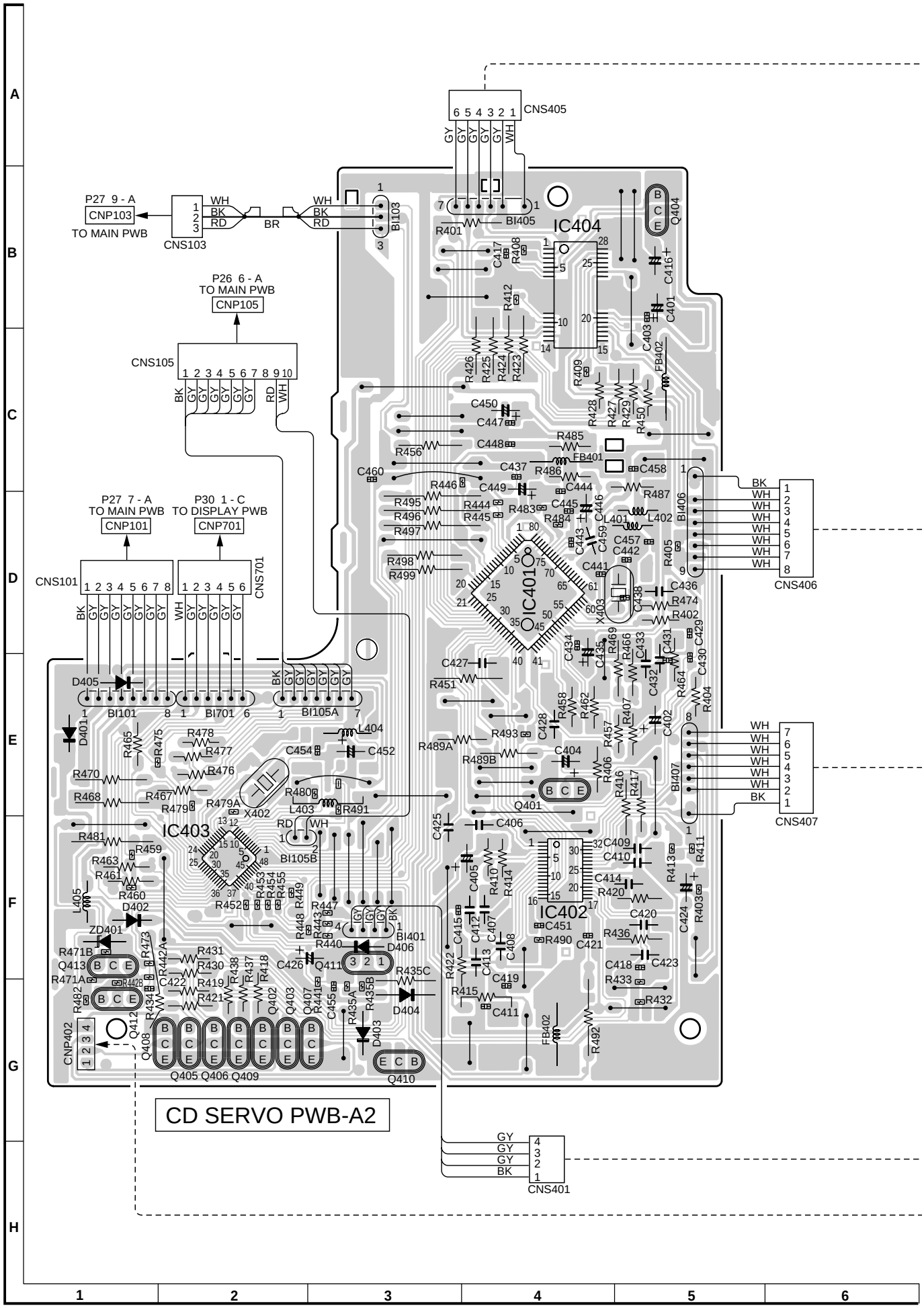
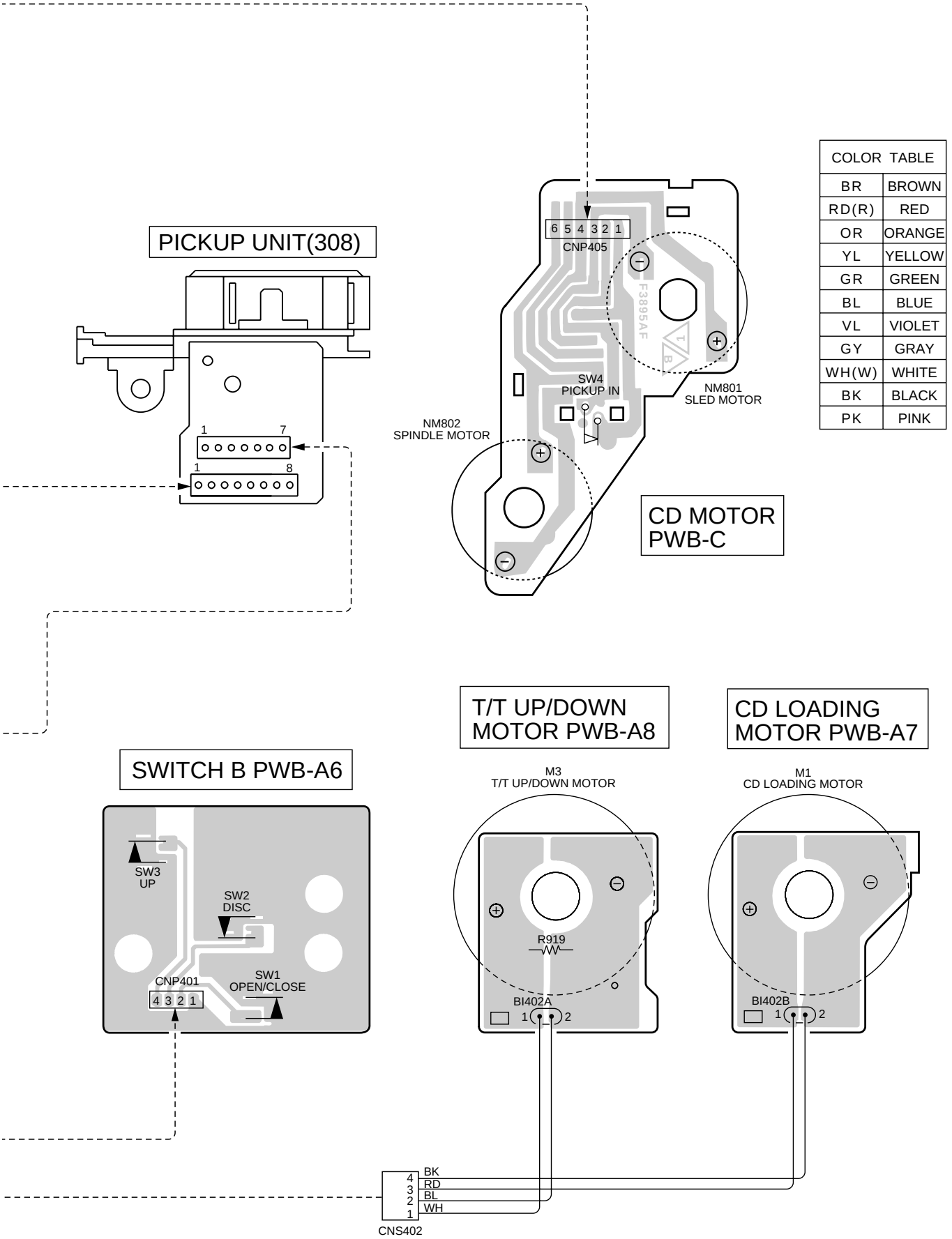


Figure 28 WIRING SIDE OF P.W.BOARD (3/7)



7	8	9	10	11	12

Figure 29 WIRING SIDE OF P.W.BOARD (4/7)

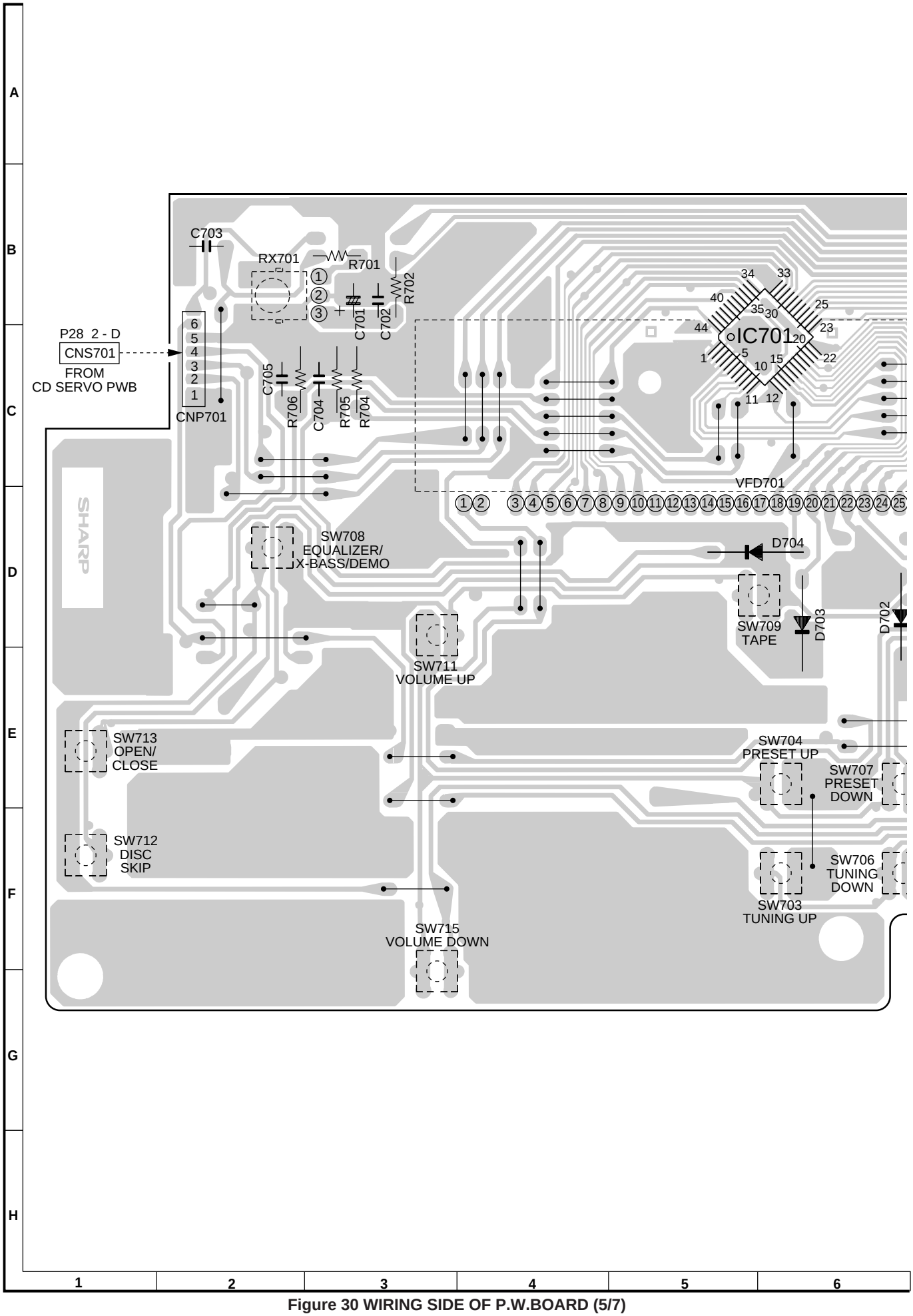
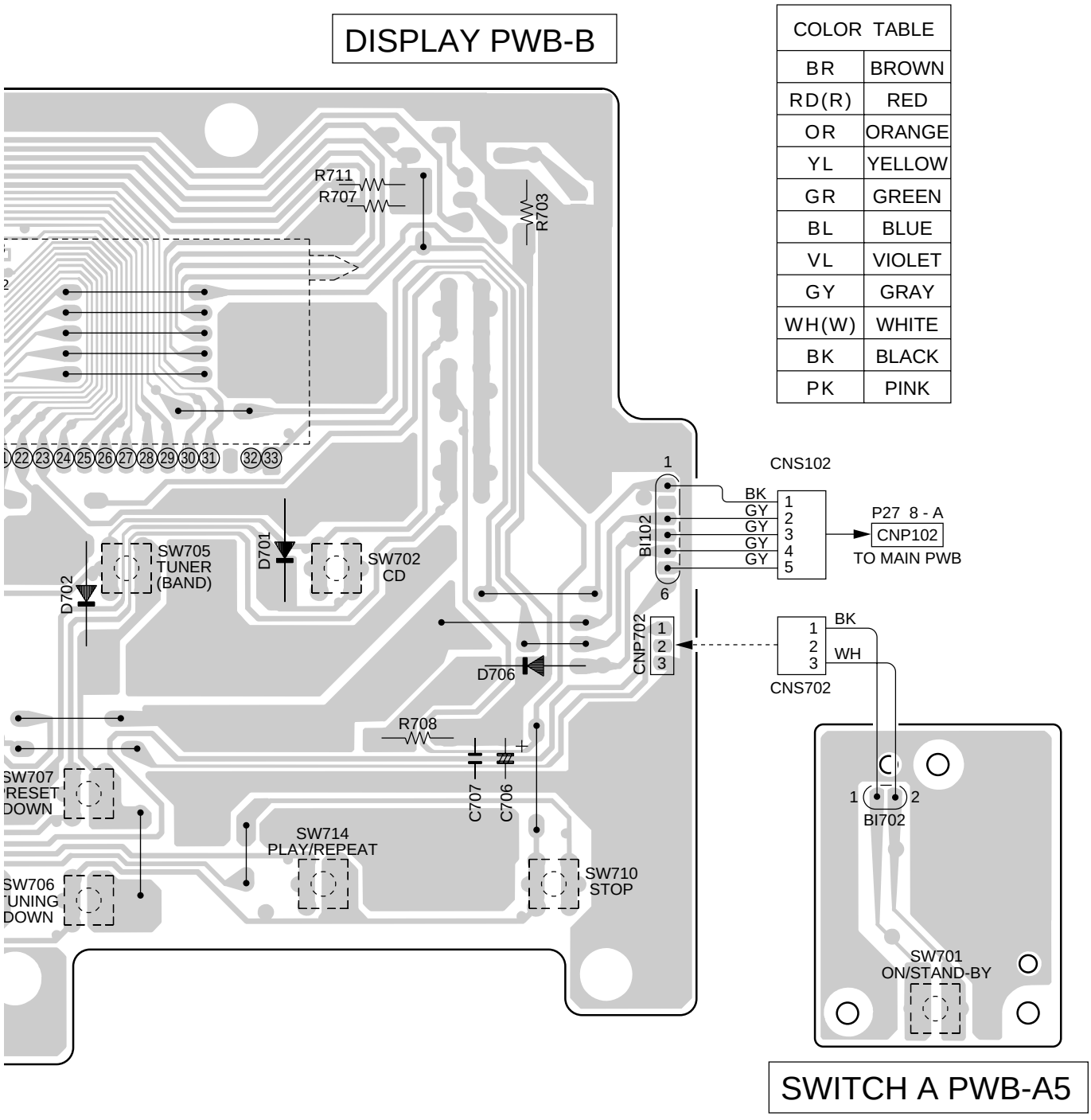
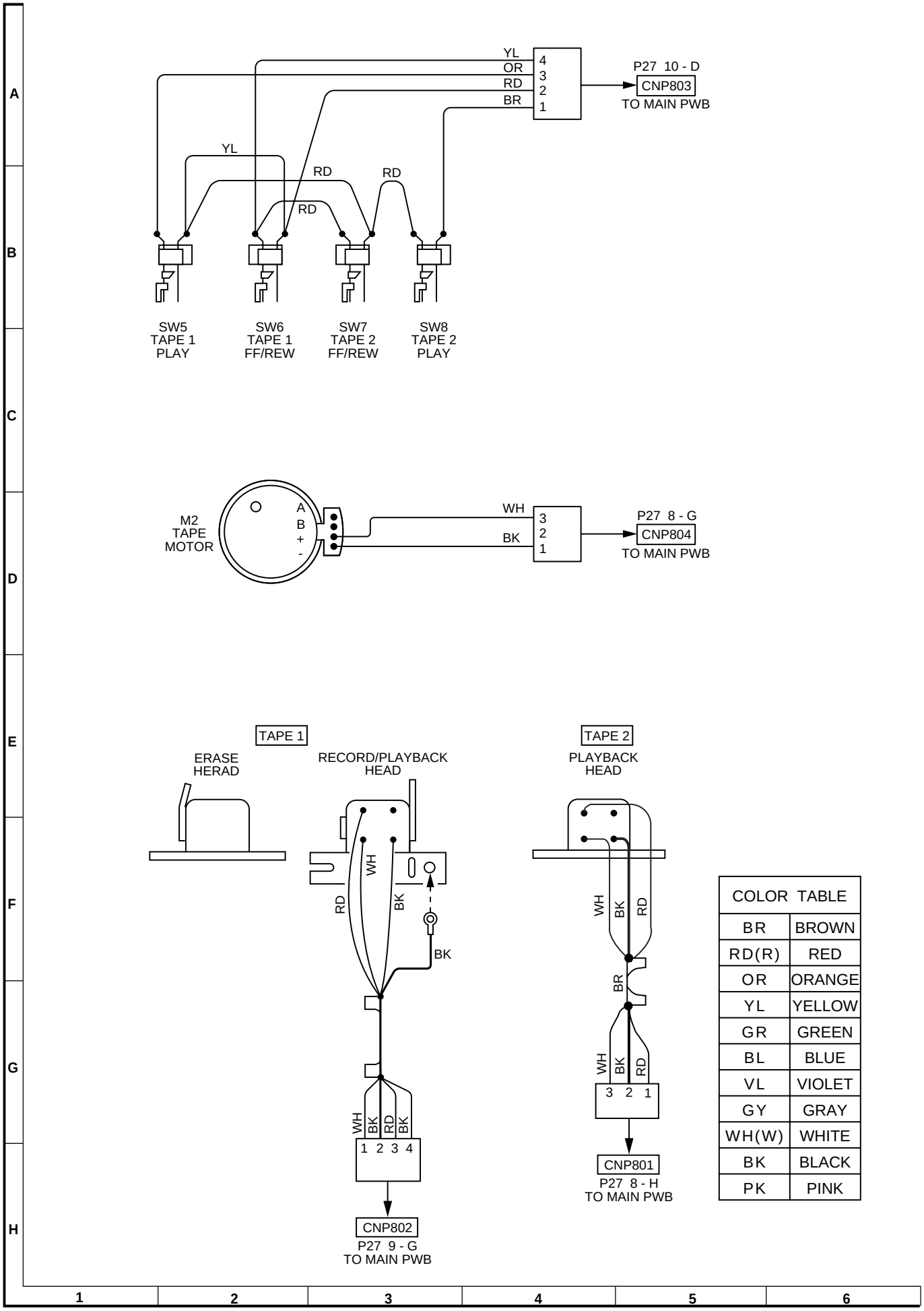


Figure 30 WIRING SIDE OF P.W.BOARD (5/7)



7	8	9	10	11	12

Figure 31 WIRING SIDE OF P.W.BOARD (6/7)



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

Figure 32 WIRING SIDE OF P.W.BOARD (7/7)

VOLTAGE

IC101	
PIN NO.	VOLTAGE
1	18 V
2	0.6 V
3	4.9 V

IC201	
PIN NO.	VOLTAGE
1	0.14 V
2	22 V
3	0.15 V
4	–22 V
5	0 V
6	0.3 V
7	0 V
8	0 V
9	0 V
10	0 V
11	0.3 V
12	0 V
13	0 V
14	0 V
15	22 V

IC402	
PIN NO.	VOLTAGE
1	0 V
2	4.2 V
3	5.1 V
4	2.7 V
5	2.4 V
6	4.3 V
7	1.7 V
8	2.7 V
9	3.5 V
10	2.7 V
11	4 V
12	0 V
13	3.8 V
14	0 V
15	0 V
16	0 V
17	2.7 V
18	0 V
19	2.7 V
20	2.7 V
21	2.7 V
22	2.7 V
23	2.7 V
24	3.1 V
25	2.7 V
26	2.7 V
27	2.7 V
28	2.7 V
29	2.8 V
30	2.8 V
31	2.8 V
32	2.8 V

IC401			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	2.6 V	41	0.2 V
2	2.6 V	42	2.7 V
3	2.6 V	43	0 V
4	5.1 V	44	2.7 V
5	0 V	45	1.3 V
6	2.5 V	46	0.5 V
7	4.5 V	47	2.7 V
8	4 V	48	1.6 V
9	4.7 V	49	0.3 V
10	0 V	50	5.1 V
11	0 V	51	0.3 V
12	0 V	52	2.7 V
13	0 V	53	2.7 V
14	5.1 V	54	0.2 V
15	2.5 V	55	0.3 V
16	0.2 V	56	5 V
17	0.3 V	57	0.3 V
18	4.8 V	58	2.5 V
19	2.6 V	59	2.7 V
20	2.6 V	60	5.1 V
21	2.7 V	61	4.8 V
22	2.7 V	62	0.3 V
23	2.7 V	63	0.3 V
24	2.7 V	64	0.2 V
25	2.7 V	65	0.3 V
26	2.7 V	66	5.1 V
27	2.7 V	67	5.1 V
28	2.7 V	68	0.3 V
29	2.7 V	69	5.1 V
30	2.4 V	70	5.1 V
31	2.4 V	71	5.1 V
32	2.7 V	72	4.7 V
33	2.7 V	73	2.4 V
34	2.7 V	74	0.3 V
35	0.3 V	75	2.4 V
36	0.3 V	76	5.1 V
37	2.3 V	77	0.2 V
38	0.3 V	78	0.2 V
39	0.3 V	79	5.1 V
40	5 V	80	5.1 V

Q101	
PIN NO.	VOLTAGE
E	–27 V
C	–28 V
B	–23 V

Q102	
PIN NO.	VOLTAGE
E	12 V
C	18 V
B	12.5 V

Q103	
PIN NO.	VOLTAGE
E	11.4 V
C	18.6 V
B	12 V

Q104	
PIN NO.	VOLTAGE
E	11.3 V
C	18.5 V
B	12 V

Q105	
PIN NO.	VOLTAGE
E	7.9 V
C	18.5 V
B	9.3 V

Q106	
PIN NO.	VOLTAGE
E	6.8 V
C	18.5 V
B	7.9 V

IC403	
PIN NO.	VOLTAGE
1	4.8 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	5 V
9	0 V
10	0 V
11	0 V
12	4.8 V
13	0 V
14	4.8 V
15	2.4 V
16	2.3 V
17	0 V
18	2 V
19	2.4 V
20	4.8 V
21	4.8 V
22	4.8 V
23	0 V
24	5 V
25	4.9 V
26	2.4 V
27	4.6 V
28	4.6 V
29	4.8 V
30	4.8 V
31	4.8 V
32	0 V
33	4.8 V
34	4.8 V
35	4.8 V
36	5.1 V
37	4.9 V
38	0 V
39	0 V
40	0 V
41	4.8 V
42	4.8 V
43	4.8 V
44	0 V
45	0.2 V
46	4.6 V
47	4.1 V
48	4.8 V

IC404	
PIN NO.	VOLTAGE
1	2.7 V
2	2.7 V
3	2.7 V
4	2.7 V
5	5.2 V
6	5.2 V
7	4.7 V
8	0 V
9	2.7 V
10	2.7 V
11	2.4 V
12	2.9 V
13	0 V
14	2.9 V
15	0 V
16	5.6 V
17	2.7 V
18	2.7 V
19	2.7 V
20	2.7 V
21	6 V
22	6 V
23	2.7 V
24	2.7 V
25	2.7 V
26	3 V
27	2.5 V
28	0 V
29	2.7 V
30	2.9 V
31	2.4 V
32	0 V

IC601	
PIN NO.	VOLTAGE
1	4.8 V
2	0 V
3	0 V
4	4.8 V
5	4.8 V
6	4.8 V
7	4.8 V
8	4.8 V
9	4.8 V
10	4.8 V
11	4.8 V
12	4.8 V
13	4.8 V
14	4.8 V
15	4.8 V
16	4.8 V
17	4.8 V
18	4.8 V
19	4.8 V
20	4.8 V
21	4.8 V
22	4.8 V
23	9.4 V
24	4.8 V

IC701	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	4.4 V
6	4.4 V
7	0 V
8	4.5 V
9	4.8 V
10	0 V
11	0 V
12	0 V
13	0 V
14	5.2 V
15	3.5 V
16	8.3 V
17	13.2 V
18	16.2 V
19	16.2 V
20	13.2 V
21	17.6 V
22	–27 V
23	–25 V
24	–27 V
25	15.2 V
26	7.2 V
27	–28 V
28	12.5 V
29	7.2 V
30	4.4 V
31	3.8 V
32	7.2 V
33	7.2 V
34	4.3 V
35	7.2 V
36	7.2 V
37	7.2 V
38	4.7 V
39	4.8 V
40	4.8 V
41	4.8 V
42	4.8 V
43	0 V
44	2.6 V

Q109	
PIN NO.	VOLTAGE
E	9.4 V
C	9.4 V
B	0 V

Q110	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	4.8 V

IC801	
PIN NO.	VOLTAGE
1	0 V
2	1.5 V
3	1.5 V
4	1.8 V
5	0.8 V
6	0 V
7	0 V
8	0.6 V
9	3 V
10	3 V
11	0 V
12	0 V
13	6.2 V
14	3.8 V
15	0 V
16	3 V
17	0.6 V
18	0 V
19	0 V
20	1 V
21	1.8 V
22	0.6 V
23	0 V
24	0 V

Q111	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	4.3 V

Q112	
PIN NO.	VOLTAGE
E	9.4 V
C	9.4 V
B	0 V

Q201	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q202	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q203	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.6 V

Q204	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.6 V

Q351	
PIN NO.	VOLTAGE
E	0 V
C	4.7 V (0 V)
B	3.7 V (0 V)

Q401	
PIN NO.	VOLTAGE
E	5 V
C	2.1 V
B	4.2 V

Q402	
PIN NO.	VOLTAGE
E	0 V
C	0.3 V
B	0 V

Q403	
PIN NO.	VOLTAGE
E	5.7 V
C	0 V
B	5.3 V

Q404	
PIN NO.	VOLTAGE
E	6.3 V
C	5.2 V
B	5.2 V

Q405	
PIN NO.	VOLTAGE
E	0 V
C	5.3 V
B	0 V

Q406	
PIN NO.	VOLTAGE
E	0 V
C	5.3 V
B	0 V

Q407	
PIN NO.	VOLTAGE
E	6 V
C	3 V
B	5.5 V

Q408	
PIN NO.	VOLTAGE
E	0 V
C	0.3 V
B	0 V

Q412	
PIN NO.	VOLTAGE
E	0 V
C	4.8 V
B	0 V

Q413	
PIN NO.	VOLTAGE
E	0 V
C	0 V
B	1.1 V

Q801	
PIN NO.	VOLTAGE
E	0.26 V
C	4.92 V
B	0.94 V

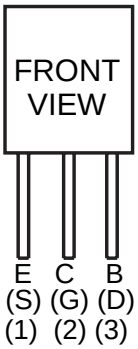
NOTES ON SCHEMATIC DIAGRAM

- 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 pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     indicates AM
     indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ ” (⊏ ⚌ ⚌ ⚌ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

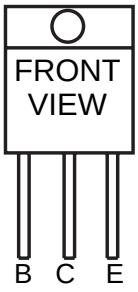
REF. NO	DESCRIPTION	POSITION
SW1	OPEN/CLOSE	ON—OFF
SW2	DISC	ON—OFF
SW3	UP	ON—OFF
SW4	PICKUP IN	ON—OFF
SW5	TAPE 1 PLAY	ON—OFF
SW6	TAPE 1 FF/REW	ON—OFF
SW7	TAPE 2 FF/REW	ON—OFF
SW8	TAPE 2 PLAY	ON—OFF
SW701	ON/STAND-BY	ON—OFF
SW702	CD	ON—OFF
SW703	TUNING UP	ON—OFF
SW704	PRESET UP	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW705	TUNER (BAND)	ON—OFF
SW706	TUNING DOWN	ON—OFF
SW707	PRESET DOWN	ON—OFF
SW708	EQUALIZER/X-BASS/DEMO	ON—OFF
SW709	TAPE	ON—OFF
SW710	STOP	ON—OFF
SW711	VOLUME UP	ON—OFF
SW712	DISC SKIP	ON—OFF
SW713	OPEN/CLOSE	ON—OFF
SW714	PLAY/REPEAT	ON—OFF
SW715	VOLUME DOWN	ON—OFF
SW801	REC./P.B.	ON—OFF

TYPES OF TRANSISTOR



KRA102 M
KRC102 M
KRC107 M
KRC104 M
KSA1015 GR
HSB562 C
HSC1609 GR
KSC1815 GR
KSC3203 Y
KSA1271 Y
SSC1674 C



2SD2012 Y

FUNCTION TABLE OF IC

IC402 VHiAN22000A-1: Head Amp. (AN22000A)

Pin No.	Terminal Name	Function
1	PD	APC amp input.
2	LD	APC amp output.
3	VCC	Power supply.
4	RFN	RF amp inverting input.
5	RFOUT	RF addition amp output.
6	RFIN	AGC amp input.
7	CAGC	AGC loop filter connection.
8	ARF	AGC output.
9	CEA	Capacitor for HPF-amp connection.
10	3TOUT	3T-ENV output.
11	CBDO	Capacitor for RF dark-side envelope detection connection.
12	BDO	BDO output.
13	COFTR	Capacitor for RF bright-side envelope detection connection.
14	OFTR	OFTR output.
15	NRFDET	NRFDET output.
16	GND	Ground
17	VREF	VREF output.
18	VDET	VDET output.
19	TEBPF	VDET input.
20	TEOUT	TE amp output.
21	TEN	TE amp inverting input.
22	FEN	FE amp inverting input.
23	FEOUT	FE amp output.
24	GCTL	Gain & APC control.
25	FBAL	FBAL control.
26	TBAL	TBAL control.
27	E	Tracking signal input 1.
28	F	Tracking signal input 2.
29	D	Focus signal input 4.
30	B	Focus signal input 2.
31	C	Focus signal input 3.
32	A	Focus signal input 1.

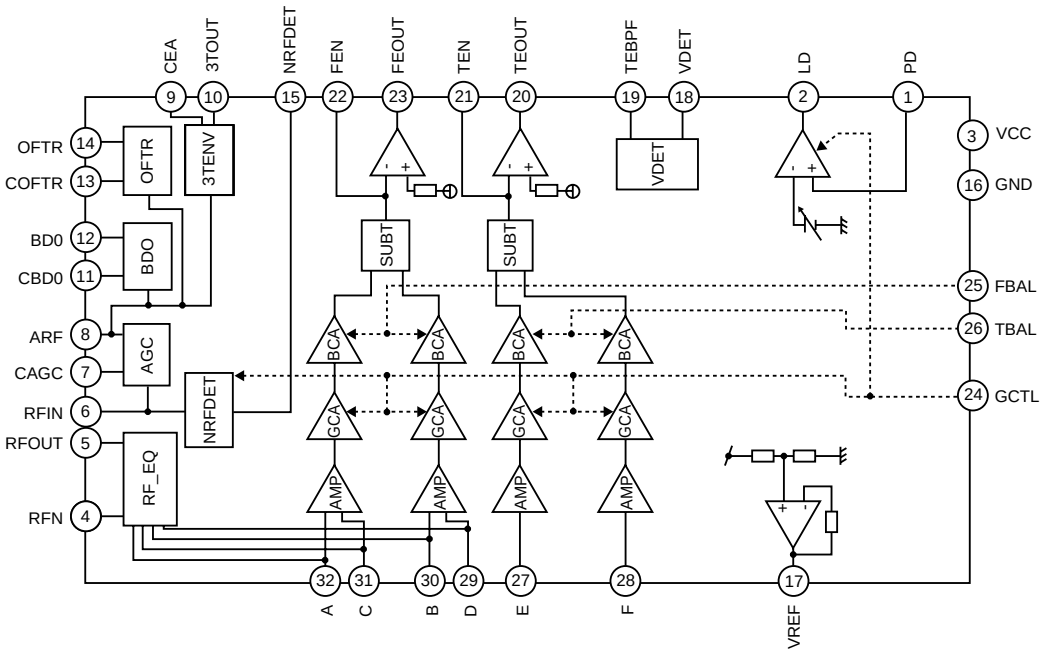


Figure 35 BLOCK DIAGRAM OF IC

IC401 VHiMN6627482W: CD Signal Control (MN6627482WA) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1*	BCLK	Output	SRDATA bit clock output.
2*	LRCK	Output	L/R identification signal output.
3*	SRDATA	Output	Serial data output.
4	DVDD1	Input	Digital circuit power supply.
5	DVSS1	Input	Digital circuit GND.
6*	TX	Output	Digital audio interface output signal.
7	MCLK	Input	Microcomputer command clock signal input. (Data latch at the rising edge.)
8	MDATA	Input	Microcomputer command data input.
9	MLD	Input	Microcomputer command load signal input. L: Load
10*	SENSE	Output	Sense signal output. (OFT, FESL, NACEND, NAJEND, SFG)
11*	/FLOCK	Output	Focus servo lead-in signal. (L: Lead-in)
12*	/TLOCK	Output	Tracking servo lead-in signal. (L: Lead-in)
13	BLKCK	Output	Subcode block clock signal. (fBLKCK=75 Hz)
14	SQCK, GIO0	Input	Default: external clock input for subcode Q resistor. Command execution: general purpose I/O port. CD-TEXT mode 2: TEXT data read clock input.
15*	SUBQ	Output	Subcode Q data output. CD-TEXT mode 2: TEEXT data output.
16	DMUTE	Input	Muting input. (Effective only at bit rate 64fs output.) H: Mute
17	STAT	Output	Status signal. (CRC, STCNT, CLVS, TTSTOP, JCLVS, SQOK, FLAG6, SENE, FLOCK, TLOCK, revolving speed data, FCLV, SUBQ, SYFLG) CD-TEXT mode 3: subcode Q and TEXT data output.
18	/RST	Input	Reset input (L: Reset)
19*	SMCK	Output	MSEL=H: 8.4672 MHz clock signal output. MSEL=L: 4.2336 MHz clock signal output.
20*	PMCK, PLAY	Output	Default: 88.2 kHz clock signal output. Command execution: Play signal output. H: play
21	TRV	Output	Traverse forcing transmission output. 3-State
22	TVD	Output	Traverse drive output.
23*	PC	Output	Spindle motor ON output. L: ON (Default)
24	ECM	Output	Spindle motor drive signal. (Forcing mode output.) 3-State
25	ECS	Output	Spindle motor drive signal. (Servo error signal output.)
26	KICK	Output	Kick pulse output. 3-State
27	TRD	Output	Tracking drive output.
28	FOD	Output	Focus drive output.
29	VREF	Input	DA output section (TVD, ECS, TRD, FOD, FBAL, TBAL, TOFS) reference voltage.
30	FBAL	Output	Focus balance adjustment output.
31	TBAL	Output	Tracking balance adjustment output.
32	FE	Input	Focus error signal input. (Analog input)
33	TE	Input	Tracking error signal input. (Analog input)
34	RFENV	Input	RF envelope signal input. (Analog input)
35	VDET	Input	Oscillation detection signal input. H: Detection
36	OFT	Input	Off track signal input. H: Off track
37	TRCRS	Input	Track cross signal input. (Analog input)
38	/RFDET	Input	RF detection signal input. L: Detection
39	BDO	Input	Drop out signal input. H: Drop out
40	LDON	Output	Laser ON signal output. H: ON
41	PLLF2	Input/Output	Loop filter characteristic switch terminal for PLL.
42*	TOFS	Output	Tracking offset adjustment output. (Shared with general purpose DA output terminal.)
43*	WVEL	Output	Double-speed status signal output. H: Double-speed
44	ARF	Input	RF signal input.
45	IREF	Input	Reference current input terminal
46*	DRF	Input	DSL bias terminal.

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

IC401 VHiMN6627482W: CD Signal Control (MN6627482WA) (2/2)

Pin No.	Terminal Name	Input/Output	Function
47	DSLF	Input/Output	DSL loop filter terminal.
48	PLLF	Input/Output	PLL loop filter terminal.
49	VCOF	Input/Output	VCO loop filter terminal.
50	AVDD2	Input	Analog circuit power supply. (DSL, PLL and DA output sections for AD)
51	AVSS2	Input	Analog circuit GND. (DSL, PLL and DA output sections for AD)
52*	EFM, CK384	Output	· IOSEL=H: EFM signal output. · IOSEL=L: X-tal system 16.9344 MHz clock output. Signal processing system: 384fs output. (VCO clock for jitter-free operation) (X-tal system or signal processing system can be selected by the command.)
53	PCK, DSLB	Output	PLL extraction clock output or DSL balance output. fPCK-4.3218 MHz
54	VCOF2	Input/Output	Loop filter terminal for digital servo 33.8688 MHz creation VCO. X-tal 16.9344 MHz: external circuit is needed.
55*	SUBC	Output	Subcode serial output. CD-TEXT mode 1: TEXT data output.
56*	SBCK	Input	Subcode serial output clock input. CD-TEXT mode 1: TEXT data read clock input
57	VSS	Input	Oscillation circuit GND.
58	X1	Input	Oscillation circuit input terminal. f=16.9344 MHz, 33.8688 MHz
59	X2	Output	Oscillation circuit output terminal. f=16.9344 MHz, 33.8688 MHz
60	VDD	Input	Oscillation circuit power supply.
61*	BYTCK, TRVSTP	Output	IOSEL=H: byte clock signal output. IOSEL=L: traverse STOP signal output. H: STOP Mode
62*	GIO1, /CLDCK	Output	Default: general purpose I/O port. Command execution: terminal for subcode frame clock signal output. (fCLDCK=7.35 kHz)
63*	GIO2, FCLK	Output	Default: general purpose I/O port. Command execution: crystal frame clock signal output. (fFCLK=7.35 kHz)
64*	IPFLAG	Output	Interpolation flag signal output. H: Interpolation
65*	FLAG	Output	Flag signal output.
66*	CLVS	Output	Output for spindle servo phase synchronization signal. H: CLV, L: Rough servo
67*	CRC	Output	Default: output for subcode CRC check results. H: OK, L: NG
68*	DEMPH	Output	Demphasis detection signal output. H: ON
69*	RESY, FLAG6	Output	IOSEL= H: resync signal RESY output for frame synchronization. H: Synchronization, L: Synchronization lost IOSEL=L: RAM address reset signal for error correct deinterleave. FLAG 6 output L: Address reset
70	IOSEL	Input	Mode switch terminal.
71	/TEST	Input	Test terminal. Normal: H
72	AVDD1	Input	Analog circuit power supply. (Audio output section (for both Lch and Rch))
73	OUTL	Output	Lch audio output.
74	AVSS1	Input	Analog circuit GND. (Audio output section (for both Lch and Rch))
75	OUTR	Output	Rch audio output.
76	RSEL, GIO3	Input	Default: RF signal polarity specification terminal. Brightness H: RESEL=H Brightness L: RESEL=L Command execution: general purpose I/O port. RF signal polarity can be specified by command. CD-TEXT mode 1 or 2: TEXT data read enabling signal (DQSY) output
77	CSEL	Input	Oscillation frequency specification terminal. H: Oscillation frequency=33.8688 MHz L: Oscillation frequency=16.9344 MHz
78	PSEL	Input	IOSEL=H: test terminal. (Normal: L) IOSEL=L: SRDATA input.
79	MSEL	Input	IOEL=H: SMCK terminal output, frequency switch terminal. H: SMCK=8.4672 MHz L: SMCK=4.2336 MHz IOSEL=L: LRCK input H: Lch data, L: Rch data SMCK=4.2336 MHz fixed
80	SSEL	Input	IOSEL=H: switch terminal for SUBQ terminal output mode. H: Q code buffer mode L: CLDCK synchronization mode IOSEL=L: BCLK input Q code buffer mode fixed

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

IC401 VHiMN6627482W: CD Signal Control (MN6627482WA)

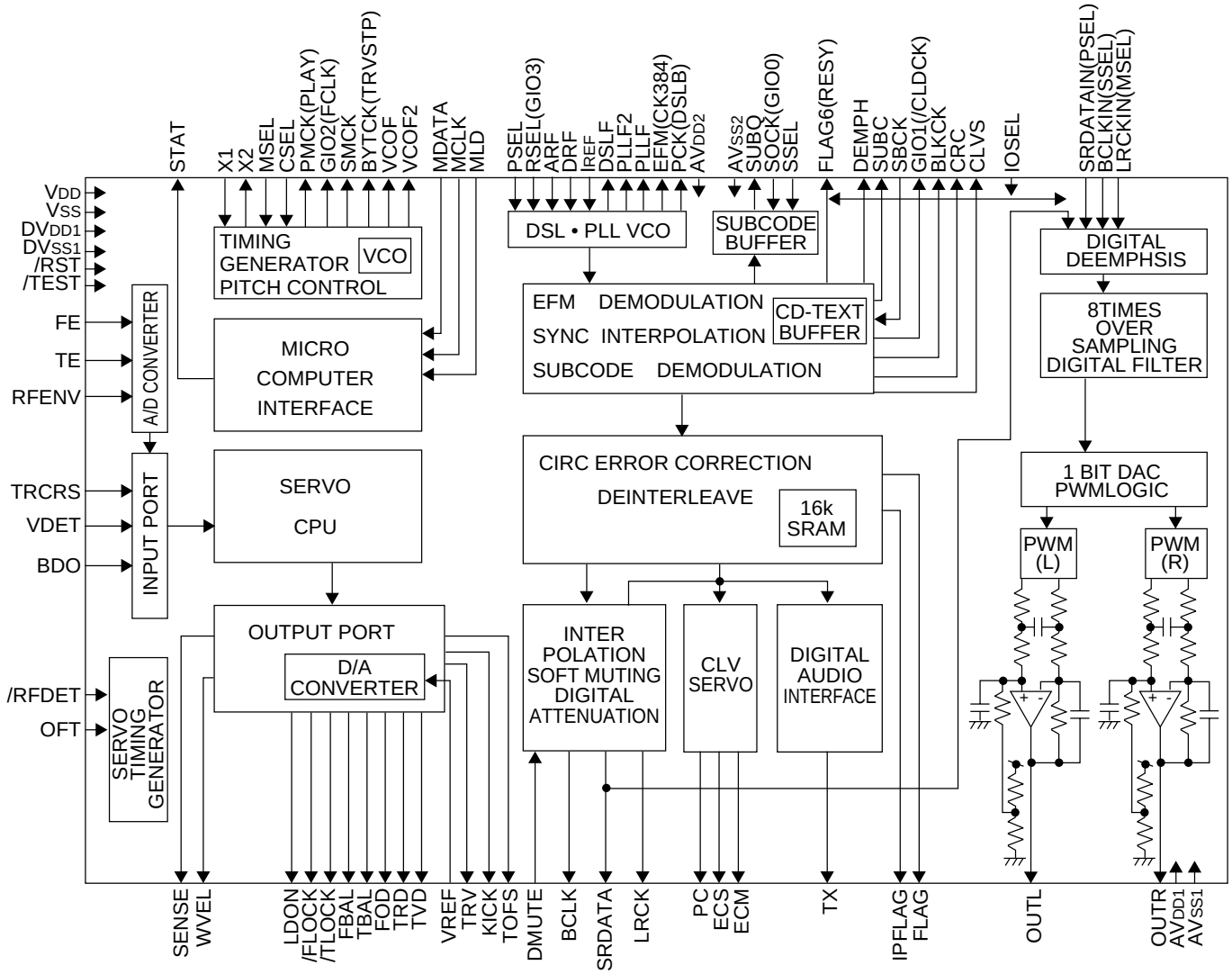
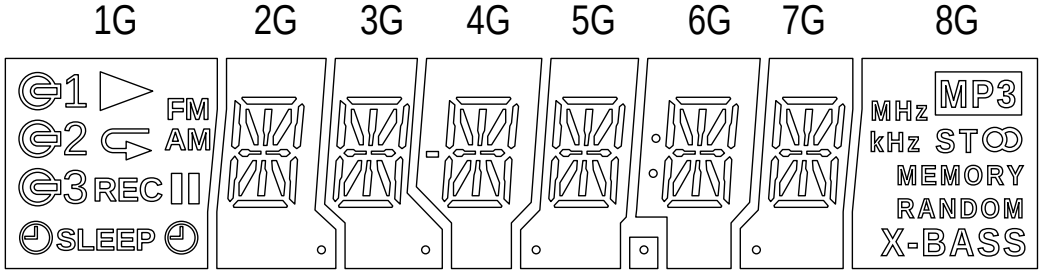


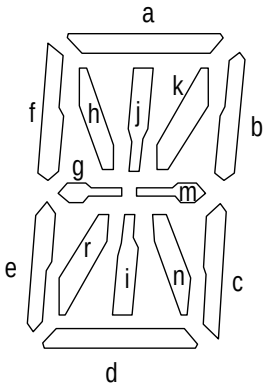
Figure 38 BLOCK DIAGRAM OF IC

FL DISPLAY

VFD701 VVK250808//-1



8G



(2G-7G)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CONNECTION	F	F	NP	1G	2G	3G	4G	5G	6G	7G	8G	NC	NC	NC	NC	NC	NC	NC
PIN NO.	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
CONNECTION	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	NP	F		

	1G	2G	3G	4G	5G	6G	7G	8G
P1	▷	k	k	k	k	k	k	MEMORY
P2	⇆3	h	h	h	h	h	h	ST
P3	⇆2	f	f	f	f	f	f	kHz
P4	⇆1	b	b	b	b	b	b	MHz
P5		a	a	a	a	a	a	MP3
P6	⇆	g	g	g	g	g	g	RANDOM
P7	FM	m	m	m	m	m	m	X-BASS
P8	AM	r	r	r	r	r	r	
P9	REC	j	j	j	j	j	j	∞
P10	▯▯	n	n	n	n	n	n	
P11	(Left) ◴	c	c	c	c	c	c	
P12	SLEEP	e	e	e	e	e	e	
P13	(Right) ◴	d	d	d	d	d	d	
P14		○	○	▱	○	○ ○	○	○

— M E M O —

SHARP PARTS GUIDE

MINI COMPONENT SYSTEM

MODEL CD-XP120

CD-XP120 Mini Component System consisting of CD-XP120 (main unit) and CP-XP120 (speaker system).

"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

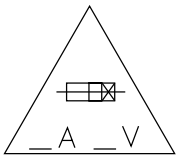
VCC ..... Ceramic type
VCK ..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN ..... Cylindrical type (without lead wire)
VC • • TV ..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (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.



CAUTION:FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F101, F102 3.15A, 125V / F103 1.6A, 125V FUSES

ATTENTION:POUR ASSURER UNE LONGUE PROTECTION CONTRE UNINCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DE TYPE F101, F102 3.15A, 125V / F103 1.6A, 125V

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-XP120

NO.	PART CODE	★	PRICE RANK	DESCRIPTION

CD-XP120

INTEGRATED CIRCUITS

IC101	VHIMC7805CT-1	J	AF	Voltage Regulator,MC7805CT
IC201	VHILM1876TF-1	J	BD	Power Amp.,LM1876TF
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC401	VHIMN6627482W	J	AV	CD Signal Control,MN6627482W
IC402	VHIAN22000A-1	J	AF	Head Amp.,AN22000A
IC403	RH-IX0051SJZZ	J		System Microcomputer, IX0051SJ
IC404	VHIMM1469XH-1	J	AN	Focus/Tracking/Spin/Sled Driver, MM1469XH
IC601	VHILC75341M-1	J	AM	Audio Processor,LC75341M
IC701	VHISC16312/-1	J	BD	System Microcomputer,SC16312
IC801	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K

TRANSISTORS

Q101	VSKSA1015GR-1	J		Silicon,PNP,KSA1015 GR
Q102	VSHSC1609GR-1	J		Silicon,NPN,HSC1609 GR
Q103,104	VS2SD2012Y/-1	J	AF	Silicon,NPN,2SD2012 Y
Q105	VSHSC1609GR-1	J		Silicon,NPN,HSC1609 GR
Q106	VS2SD2012Y/-1	J	AF	Silicon,NPN,2SD2012 Y
Q109	VSKRA102M//-1	J	AC	Digital,PNP,KRA102 M
Q110,111	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q112	VSKRA102M//-1	J	AC	Digital,PNP,KRA102 M
Q201	VSKSC1815GR-1	J		Silicon,NPN,KSC1815 GR
Q202	VSHSC1609GR-1	J		Silicon,NPN,HSC1609 GR
Q203,204	VSKSC1815GR-1	J		Silicon,NPN,KSC1815 GR
Q302	VSSC1674-C/-1	J		Silicon,NPN,SSC1674 C
Q306	VSSC1674-C/-1	J		Silicon,NPN,SSC1674 C
Q351	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q360	VSKSA1015GR-1	J		Silicon,PNP,KSA1015 GR
Q401	VSKSA1015GR-1	J		Silicon,PNP,KSA1015 GR
Q402	VSKSC3203Y/-1	J		Silicon,NPN,KSC3203 Y
Q403	VSKSA1271Y/-1	J		Silicon,PNP,KSA1271 Y
Q404	VSHSB562-C/-1	J		Silicon,PNP,HSB562 C
Q405,406	VSKSC1815GR-1	J		Silicon,NPN,KSC1815 GR
Q407	VSKSA1271Y/-1	J		Silicon,PNP,KSA1271 Y
Q408	VSKSC3203Y/-1	J		Silicon,NPN,KSC3203 Y
Q409	VSKSC1815GR-1	J		Silicon,NPN,KSC1815 GR
Q410	VSKSA1271Y/-1	J		Silicon,PNP,KSA1271 Y
Q411	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q412,413	VSKSC1815GR-1	J		Silicon,NPN,KSC1815 GR
Q801	VSKSC3203Y/-1	J		Silicon,NPN,KSC3203 Y

DIODES

D101~103	VHD1N4004//-1	J	AB	Silicon,1N4004
D104	VHD1N4148//-1	J	AA	Silicon,1N4148
D105	VHD1N4004//-1	J	AB	Silicon,1N4004
D106	VHD1N4148//-1	J	AA	Silicon,1N4148
D107	VHD1N4004//-1	J	AB	Silicon,1N4004
⚠ D108~111	VHD1N5402M/-1	J	AE	Silicon,1N5402M
⚠ D112~115	VHD1N4004//-1	J	AB	Silicon,1N4004
D116,117	VHD1N4004//-1	J	AB	Silicon,1N4004
D119	VHD1N4004//-1	J	AB	Silicon,1N4004
D301,302	VHD1N4148//-1	J	AA	Silicon,1N4148
D305~308	VHD1N4148//-1	J	AA	Silicon,1N4148
D401	VHD1N4148//-1	J	AA	Silicon,1N4148
D402,403	VHD1N4004//-1	J	AB	Silicon,1N4004
D404~406	VHD1N4148//-1	J	AA	Silicon,1N4148
D601~603	VHD1N4004//-1	J	AB	Silicon,1N4004
D701~704	VHD1SS133//-1	J	AA	Silicon,1SS133
D706	VHD1N4004//-1	J	AB	Silicon,1N4004
D801	VHD1N4004//-1	J	AB	Silicon,1N4004
D802~806	VHD1N4148//-1	J	AA	Silicon,1N4148
ZD101	VHEDZ300BSB-1	J	AB	Zener,30V,DZ30BSB
ZD102	VHEDZ6R2BSA-1	J	AB	Zener,6.2V,DZ6.2BSA
ZD103	VHEDZ130BSA-1	J	AC	Zener,13V,DZ13BSA
ZD104	VHEDZ8R2BSC-1	J	AB	Zener,8.2V,DZ8.2BSC
ZD201	VHEDZ3R3BSB-1	J	AB	Zener,3.3V,DZ3.3BSB
ZD203,204	VHEDZ3R3BSB-1	J	AB	Zener,3.3V,DZ3.3BSB
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD401	VHEDZ3R3BSB-1	J	AB	Zener,3.3V,DZ3.3BSB

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF302,303	RFILF0004SJZZ	J	AG	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0003SJZZ	J	AF	AM IF

TRANSFORMERS

⚠ T101	RTRNP0079SJZZ	J	AX	Power [Except for Canada]
⚠ T101	RTRNP0089SJZZ	J		Power [For Canada]
T302	RCILA0007SJZZ	J	AG	AM Antenna
T304	RCILI0005SJZZ	J	AF	FM IF
T306	RCILB0009SJZZ	J	AG	AM OSC.
T351	RCILI0004SJZZ	J	AF	AM IF

COILS

L101,102	RCILZ0024AWZZ	J	AC	3 µH,Choke
L103	VP-DH100K0000	J	AB	10 µH,Choke
L302	RCILR0003SJZZ	J	AD	FM RF
L303	RCILB0016SJZZ	J		FM OSC.
L351,352	VP-DH101K0000	J	AB	100 µH,Choke
L353	VP-DH102K0000	J	AB	1 mH,Choke
L401,402	VP-DHR82K0000	J	AE	0.82 µH,Choke
L403~405	VP-DH2R2K0000	J	AB	2.2 µH,Peaking
L801	RCILB0003SJZZ	J	AD	OSC,Bias
FB401~403	RCORF0010SJZZ	J		Coil

VARIABLE RESISTOR

VR351	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [FM Mute Level]

VARIABLE CAPACITORS

VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCKDV147B/-1	J	AH	Variable Capacitance,KDV147B

VIBRATORS

X351	RCRM-0007SJZZ	J	AG	Ceramic,456 kHz
X352	RCRSP0003SJZZ	J	AL	Crystal,4.5 MHz
X402	RCRM-0008SJZZ	J	AG	Ceramic,8 MHz
X403	RCRSP0002SJZZ	J	AL	Crystal,16.93 MHz

CAPACITORS

C101,102	RC-GZA107AF1H	J	AC	100 µF,50V,Electrolytic
C103~106	VCFYFA1HA104J	J	AC	0.1 µF,50V,Thin Film
C107	RC-GZV227AF1H	J	AC	220 µF,50V,Electrolytic
C108	RC-GZA476AF1H	J	AB	47 µF,50V,Electrolytic
C109	RC-GZV337AF1V	J	AB	330 µF,35V,Electrolytic
C110	RC-GZA107AF1V	J	AB	100 µF,35V,Electrolytic
C111	RC-GZA107AF1E	J	AB	100 µF,25V,Electrolytic
C112	RC-GZW478AF1V	J	AH	4700 µF,35V,Electrolytic
C113	RC-GZA107AF1E	J	AB	100 µF,25V,Electrolytic
C114	RC-GZV477AF1E	J	AC	470 µF,25V,Electrolytic
C115,116	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C117,118	RC-GZW228AF1V	J	AF	2200 µF,35V,Electrolytic
C119	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C120	RC-GZA107AF1E	J	AB	100 µF,25V,Electrolytic
C121	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C122	RC-GZA477AF1C	J	AC	470 µF,16V,Electrolytic
C123	VCFYFA1HA473J	J	AB	0.047 µF,50V,Thin Film
C124	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C125~128	VCFYFA1HA104J	J	AC	0.1 µF,50V,Thin Film
C133,134	VCKYPA1HB472K	J	AB	0.0047 µF,50V
C141	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C142	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C143	RC-GZA227AF1E	J	AB	220 µF,25V,Electrolytic
C201~204	RC-GZA476AF1H	J	AB	47 µF,50V,Electrolytic
C205	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C207	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C208	RC-GZA477AF1C	J	AC	470 µF,16V,Electrolytic
C301	VCKYCY1EF123Z	J		0.012 µF,25V
C302,303	VCKYCY1HB102K	J	AA	0.001 µF,50V
C304	VCKYCY1EF103Z	J	AA	0.01 µF,25V

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
C305	VCKYCY1HB472K	J	AA	0.0047 µF,50V
C306	VCCUCY1HJ9R0D	J	AB	9 pF (UJ),50V
C307	VCKYCY1HB472K	J	AA	0.0047 µF,50V
C308	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C309	VCKYCY1HB102K	J	AA	0.001 µF,50V
C311	VCCCCY1HH100J	J	AA	10 pF (CH),50V
C312	VCCSCY1HL330J	J	AD	33 pF,50V
C313	VCCUCY1HJ6R0J	J		6 pF (UJ),50V
C314	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C315	VCKYCY1HB101K	J	AB	100 pF,50V
C316	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C317	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C318	VCCSCY1HL5R0C	J	AD	5 pF,50V
C319	VCCCCY1HH180J	J	AA	18 pF (CH),50V
C321	VCKYCY1HB332K	J	AA	0.0033 µF,50V
C329	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C330	VCCCPA1HH120J	J	AA	12 pF (CH),50V
C331	VCKYCY1EF473Z	J	AB	0.047 µF,25V
C332	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C334	VCCUPA1HJ270J	J	AA	27 pF (UJ),50V
C335	VCKYCY1HB561K	J	AA	560 pF,50V
C337	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C343,344	VCCSCY1HL330J	J	AD	33 pF,50V
C349	VCKYCY1HB102K	J	AA	0.001 µF,50V
C350,351	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C352	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C353,354	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C355	VCCSCY1HL220J	J	AD	220 pF,50V
C356	VCKYCY1HB102K	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
C360,361	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C362	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C363	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C364	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C365	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C366	VCKYCY1HB102K	J	AA	0.001 µF,50V
C367,368	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C369	VCCSCY1HL560J	J	AD	56 pF,50V
C370~372	RC-GZA105AF1H	J	AB	1 µF,50V,Electrolytic
C373,374	VCTYPA1CX223K	J	AA	0.022 µF,16V
C378	VCKYPA1HB331K	J	AA	330 pF,50V
C380	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C381	VCCCCY1HH120J	J	AA	12 pF (CH),50V
C382	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C383	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C384	VCKYCY1HB102K	J	AA	0.001 µF,50V
C385	VCKYPA1HF103Z	J	AB	0.01 µF,50V
C386	VCKYPA1HB331K	J	AA	330 pF,50V
C387	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C391	RC-GZA476AF1C	J	AB	47 µF,16V,Electrolytic
C392	VCKYCY1HB102K	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	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C396	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C397	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C398	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C399	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C401	RC-GZA477AF1A	J	AC	470 µF,10V,Electrolytic
C402	RC-EZD476AF1A	J	AC	47 µF,10V,Electrolytic
C403	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C404	RC-GZA476AF1A	J	AB	47 µF,10V,Electrolytic
C405	RC-GZA226AF1A	J	AB	22 µF,10V,Electrolytic
C406	VCFYFA1HA104J	J	AC	0.1 µF,50V,Thin Film
C407	VCKYPA1HF334Z	J		0.33 µF,50V
C408	VCFYFA1HA104J	J	AC	0.1 µF,50V,Thin Film
C409,410	VCCSPA1HL820J	J	AA	82 pF,50V
C411	VCKYCY1HB101K	J	AB	100 pF,50V
C412,413	VCKYPA1HF273Z	J		0.027 µF,50V
C414	VCKYPA1HB331K	J	AA	330 pF,50V
C415	VCKYCY1HB562K	J	AA	0.0056 µF,50V
C416	RC-GZA476AF1C	J	AB	47 µF,16V,Electrolytic
C417	VCKYCY1EF103Z	J	AA	0.01 µF,25V
C418	VCKYCY1HB181K	J	AB	180 pF,50V
C419	VCKYCY1HB562K	J	AA	0.0056 µF,50V
C420	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C421	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C422	VCKYCY1EF103Z	J	AA	0.01 µF,25V
C423	VCKYPA1HB222K	J	AA	0.0022 µF,50V
C424	RC-GZA476AF1C	J	AB	47 µF,16V,Electrolytic
C425	VCFYFA1HA104J	J	AC	0.1 µF,50V,Thin Film

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C426	RC-GZA335AF1C	J	AB	3.3 µF,16V,Electrolytic
C427	VCFYFA1HA104J	J	AC	0.1 µF,50V,Thin Film
C428	VCKYPA1HB561K	J	AA	560 pF,50V
C429	VCKYCY1EF123Z	J		0.012 µF,25V
C430	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C431	VCKYCY1HB102K	J	AA	0.001 µF,50V
C432	VCKYPA1HF684Z	J		0.68 µF,50V
C433	VCKYPA1HF334Z	J		0.33 µF,50V
C434	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C435	RC-EZD107AF1A	J	AB	100 µF,10V,Electrolytic
C436	VCKYPA1HF334Z	J		0.33 µF,50V
C437	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C438	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C441	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C442	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C443	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C444	VCKYCY1HB272K	J	AA	0.0027 µF,50V
C445	VCKYCY1HB102K	J	AA	0.001 µF,50V
C446	RC-GZA477AF0J	J	AB	470 µF,6.3V,Electrolytic
C447	VCKYCY1HB272K	J	AA	0.0027 µF,50V
C448	VCKYCY1HB102K	J	AA	0.001 µF,50V
C449,450	RC-EZD106AF1H	J	AB	10 µF,50V,Electrolytic
C451	VCCCCY1HH121J	J	AA	120 pF (CH),50V
C452	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C454,455	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C457,458	VCKYCY1EF473Z	J	AB	0.047 µF,25V
C459	VCKYPA1HF103Z	J	AB	0.01 µF,50V
C460	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C601~606	RC-GZA106AF1C	J	AB	10 µF,16V,Electrolytic
C607,608	RC-GZA475AF1H	J	AB	4.7 µF,50V,Electrolytic
C609,610	RC-GZA225AF1H	J	AB	2.2 µF,50V,Electrolytic
C611,612	VCKYPA1HB272K	J	AA	0.0027 µF,50V
C613,614	RC-QZA104AFYJ	J	AC	0.1 µF,50V,Mylar
C615,616	RC-GZA474AF1C	J		0.47 µF,16V,Electrolytic
C617	RC-GZA336AF1C	J	AB	33 µF,16V,Electrolytic
C618	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C619~621	VCKYCY1HB221K	J	AA	220 pF,50V
C622,623	VCKYCY1EF104Z	J	AA	0.1 µF,25V
C701	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C702	VCKYPA1HF473Z	J	AB	0.047 µF,50V
C703~705	VCKYPA1HB101K	J	AA	100 pF,50V
C706	RC-GZA107AF1C	J	AB	100 µF,16V,Electrolytic
C707	VCKYPA1HF333Z	J	AA	0.033 µF,50V
C801~804	VCKYCY1HB561K	J	AA	560 pF,50V
C805,806	VCKYCY1HB331K	J	AA	330 pF,50V
C807	VCKYPA1HB272K	J	AA	0.0027 µF,50V
C808,809	VCKYCY1HB331K	J	AA	330 pF,50V
C810,811	RC-GZA107AF1E	J	AB	100 µF,25V,Electrolytic
C812	VCKYPA1HB272K	J	AA	0.0027 µF,50V
C813,814	VCKYPA1HB561K	J	AA	560 pF,50V
C815,816	VCKYPA1HF333Z	J	AA	0.033 µF,50V
C817,818	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C819,820	VCKYPA1HB222K	J	AA	0.0022 µF,50V
C821	RC-GZA335AF1H	J	AB	3.3 µF,50V,Electrolytic
C822	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C823,824	VCKYPA1HB102K	J	AA	0.001 µF,50V
C825,826	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C827	VCKYCY1EF223Z	J	AB	0.022 µF,25V
C828	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C829,830	VCKYPA1HB332K	J	AA	0.0033 µF,50V
C831,832	RC-GZA476AF1E	J	AB	47 µF,25V,Electrolytic
C833	RC-GZA226AF1H	J	AB	22 µF,50V,Electrolytic
C834	RC-GZA227AF1C	J	AB	220 µF,16V,Electrolytic
C835	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C836	VCKYPA1HB222K	J	AA	0.0022 µF,50V
C837	RC-GZA107AF1A	J	AB	100 µF,10V,Electrolytic
C838	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C839	VCQYKA1HM472K	J	AB	0.0047 µF,50V,Mylar
C840	RC-GZA227AF1C	J	AB	220 µF,16V,Electrolytic

RESISTORS

	VRS-CY1JB000J	J	AA	0 ohm,Jumper, 0.8×1.55mm,Green
R101	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R102	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R103	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R104	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R105,106	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R107	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R108	VRD-ST2EE101J	J	AA	100 ohm,1/4W

CD-XP120

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R109,110	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R111	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R113,114	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R115	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R116	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R117	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R118	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R119,120	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R121	RR-HZ0001AWZZ	J	AE	4.7 Mohms,1/2W
R122,123	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R124	VRD-ST2EE821J	J	AA	820 ohms,1/4W
R127,128	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R129	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R133	VRS-CY1JB122J	J	AA	1.2 kohms,1/16W
R201,202	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R203,204	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R205,206	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R207~211	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R213,214	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R215	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R216	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R217~219	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R220	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R221	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R301	VRD-ST2EE220J	J	AA	22 ohms,1/4W
R302	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R303	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R304	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R305	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R306	VRS-CY1JB330J	J	AA	33 ohms,1/16W
R307	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R308	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R309	VRD-ST2EE471J	J	AA	470 ohms,1/4W
R310	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R312	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R313	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R314,315	VRS-CY1JB330J	J	AA	33 ohms,1/16W
R316	VRS-CY1JB331J	J	AA	330 ohms,1/16W
R323	VRS-CY1JB683J	J	AA	68 kohms,1/16W
R336	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R350	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W
R351	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R352	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R353	VRS-CY1JB271J	J	AA	270 ohms,1/16W
R355	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R356	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R357	VRS-CY1JB474J	J	AA	470 kohms,1/16W
R358	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W
R359	VRS-CY1JB182J	J	AA	1.8 kohms,1/16W
R360	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R361,362	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R363	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R364	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R365	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R366	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R371~374	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R376	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R377	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R379	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R380	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R381	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R382	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R383	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R384	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R385	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R386	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R387	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R393	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R395	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R401	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R402	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R403	VRS-CY1JB100J	J	AA	10 ohm,1/16W
R404	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R405	VRS-CY1JB101J	J	AA	100 ohm,1/16W
R406	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R407	VRD-ST2CD393J	J	AA	39 kohms,1/6W
R408	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
R409	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R410	VRD-ST2CD752J	J	AA	7.5 kohms,1/6W
R411	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W
R412	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R413	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W
R414	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R415	VRD-ST2CD911J	J	AA	910 ohms,1/6W
R416	VRD-ST2CD274J	J	AA	270 kohms,1/6W
R417	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R418	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R419	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R420	VRD-ST2CD623J	J	AA	62 kohms,1/6W
R421	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R422	VRD-ST2CD105J	J	AA	1 Mohm,1/6W
R423	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R424	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R425	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R426,427	VRD-ST2CD183J	J	AA	18 kohms,1/6W
R428	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R429	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R430	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R431	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R432	VRS-CY1JB394J	J	AA	390 kohms,1/16W
R433	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R434	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R435A,B	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R435C	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R436	VRD-ST2CD154J	J	AA	150 kohms,1/6W
R437	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R438	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R440	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R441	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R442A	VRS-CY1JB820J	J	AA	82 ohms,1/16W
R442B	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R443	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R444~446	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R447,448	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R449	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R450	VRD-ST2CD823J	J	AA	82 kohms,1/6W
R451	VRD-ST2CD105J	J	AA	1 Mohm,1/6W
R452~455	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R456	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R457	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R458	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R459,460	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R461	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R462	VRD-ST2CD124J	J	AA	120 kohms,1/6W
R463	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R464	VRD-ST2CD271J	J	AA	270 ohms,1/6W
R465	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R466	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R467,468	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R469	VRD-ST2EE1R5J	J	AA	1.5 ohms,1/4W
R470	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R471A	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R471B	VRS-CY1JB121J	J	AA	120 ohms,1/16W
R473	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R474	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R475	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R476~478	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R479	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R479A	VRS-CY1JB182J	J	AA	1.8 kohms,1/16W
R480	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R481	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R482	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R483	VRS-CY1JB561J	J	AA	560 ohms,1/16W
R484	VRS-CY1JB681J	J	AA	680 ohms,1/16W
R485	VRD-ST2CD561J	J	AA	560 ohms,1/6W
R486	VRD-ST2CD681J	J	AA	680 ohms,1/6W
R487	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R489A,B	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R490	VRS-CY1JB475J	J	AA	4.7 Mohms,1/16W
R491	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R492	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R493	VRS-CY1JB752J	J	AA	7.5 kohms,1/16W
R495~499	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R601	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R602,603	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R604~609	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R610,611	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R612,613	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R614,615	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R616~619	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R620,621	VRD-ST2CD561J	J	AA	560 ohms,1/6W
R622,623	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R624,625	VRD-ST2CD752J	J	AA	7.5 kohms,1/6W

NO.	PART CODE	★	PRICE RANK	DESCRIPTION
R701	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R702	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R703~707	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R708	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R711	VRD-ST2CD513J	J	AA	51 kohms,1/6W
R801~804	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R805	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R806,807	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R808	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R809,810	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R811,812	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W
R813,814	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R815,816	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R817	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R818,819	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R820	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R821,822	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R823	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R824,825	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R826,827	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R828	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R829	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R830	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R831	VRD-ST2CD151J	J	AA	150 ohms,1/6W
R832	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R833	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R834	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R835	VRD-ST2CD183J	J	AA	18 kohms,1/6W
R836	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R837	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R838	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R919	VRD-ST2EE680J	J	AA	68 ohms,1/4W

OTHER CIRCUITRY PARTS

BI101/CNS101	QCNWN0406SJZZ	J		Connector Ass'y,7/7Pin
BI102/CNS102	QCNWN0407SJZZ	J		Connector Ass'y,6/5Pin
BI103/CNS103	QCNWN0415SJZZ	J		Connector Ass'y,3/3Pin
BI104/CNS104	QCNWN0438SJZZ	J		Connector Ass'y,8/7Pin
BI105A/B/CNS105	QCNWN0440SJZZ	J		Connector Ass'y,7/2/10Pin
BI108/CNS108	QCNWN0409SJZZ	J		Connector Ass'y,5/5Pin
BI401/CNS401	QCNWN0405SJZZ	J		Connector Ass'y,4/4Pin
BI402A/B/CNS402	QCNWN0412SJZZ	J		Connector Ass'y,2/2/4Pin
BI405/CNS405	QCNWN0404SJZZ	J		Connector Ass'y,7/6Pin
BI406/CNS406	QCNWN0403SJZZ	J		Connector Ass'y,9/8Pin
BI407/CNS407	QCNWN0402SJZZ	J		Connector Ass'y,8/7Pin
BI701/CNS701	QCNWN0408SJZZ	J		Connector Ass'y,6/6Pin
BI702/CNS702	QCNWN0442SJZZ	J		Connector Ass'y,2/2Pin
CNP101	QCNCM999GAFZZ	J		Plug,7Pin
CNP102	QCNCM999EAFZZ	J	AG	Plug,5Pin
CNP103	QCNCM999CAFZZ	J	AG	Plug,3Pin
CNP104	QCNCM998GAFZZ	J	AH	Plug,7Pin
CNP105	QCNCM999KAFZZ	J		Plug,10Pin
CNP108	QCNCM050ESJZZ	J		Plug,5Pin
CNP301	QCNCM042CSJZZ	J		Plug,3Pin
CNP402	QCNCM004DAFZZ	J		Plug,4Pin
CNP405	QCNCM932FAFZZ	J	AC	Plug,6Pin
CNP701	QCNCM004FAFZZ	J		Plug,6Pin
CNP702	QCNCM004CAFZZ	J	AB	Plug,3Pin
CNP801	QCNCM999CAFZZ	J	AG	Plug,3Pin
CNP802	QCNCM999DAFZZ	J	AG	Plug,4Pin
CNP803	QCNCM047DSJZZ	J		Plug,4Pin
CNP804	QCNCM046CSJZZ	J		Plug,3Pin
⚠ F101,102	QFS-D322BSJNI	J	AC	Fuse,3.15A/125V
⚠ F103	QFS-D162BSJNI	J	AE	Fuse,1.6A/125V
JK101	QJAKM0001SJZZ	J	AG	Jack,Headphones
M1	9GDM03-DJ001	J		Motor with Pulley [Loading]
M2(225-8)	9GDSO2210168	J		Motor with Pulley [Tape]
M3	9GDM03-DJ001	J		Motor with Worm Pulley [T/T Up/Down]
NM801	RMOTV0409AFM1	J	AN	Motor with Gear [Sled]
NM802	RMOTV0003SJM1	J	AP	Motor with Chassis [Spindle]
RX701	VHLN64H380A-1	J	AK	Remote Sensor,N64H380A
⚠ SO101	QSOCA0214AWZZ	J	AD	Socket,AC Input
SO102	QTANA0007SJZZ	J	AF	Terminal,Speaker
SW1	9GDM03-KG001	J		Switch,Push Type [Open/Close]
SW2	9GDM03-KG001	J		Switch,Push Type [DISC]
SW3	9GDM03-KG001	J		Switch,Push Type [UP]
SW4	QSW-F9001AWZZ	J	AE	Switch,Leaf Type [Pickup In]
SW5	9GDSO2210171	J		Switch,Leaf Type [Tape 1 Play]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SW6	9GDSO2210172	J		Switch,Leaf Type [Tape 1 FF/REW]
SW7	9GDSO2210172	J		Switch,Leaf Type [Tape 2 FF/REW]
SW8	9GDSO2210171	J		Switch,Leaf Type [Tape 2 Play]
SW701	QSW-K0005SJZZ	J	AD	Switch,Key Type [ON/STAND-BY]
SW702	QSW-K0005SJZZ	J	AD	Switch,Key Type [CD]
SW703	QSW-K0005SJZZ	J	AD	Switch,Key Type [TUNING UP]
SW704	QSW-K0005SJZZ	J	AD	Switch,Key Type [PRESET UP]
SW705	QSW-K0005SJZZ	J	AD	Switch,Key Type [TUNER (BAND)]
SW706	QSW-K0005SJZZ	J	AD	Switch,Key Type [TUNING DOWN]
SW707	QSW-K0005SJZZ	J	AD	Switch,Key Type [PRESET DOWN]
SW708	QSW-K0005SJZZ	J	AD	Switch,Key Type [EQUALIZER/X-BASS/DEMO]
SW709	QSW-K0005SJZZ	J	AD	Switch,Key Type [TAPE]
SW710	QSW-K0005SJZZ	J	AD	Switch,Key Type [STOP]
SW711	QSW-K0005SJZZ	J	AD	Switch,Key Type [VOLUME UP]
SW712	QSW-K0005SJZZ	J	AD	Switch,Key Type [DISK SKIP]
SW713	QSW-K0005SJZZ	J	AD	Switch,Key Type [OPEN/CLOSE]
SW714	QSW-K0005SJZZ	J	AD	Switch,Key Type [PLAY/REPEAT]
SW715	QSW-K0005SJZZ	J	AD	Switch,Key Type [VOLUME DOWN]
SW801	QSW-S0001SJZZ	J	AD	Switch,Slide Type [REC./P.B.]
VFD701	VVK250808//-1	J	AX	FL Display

CD MECHANISM PARTS

301	MLEVP1054AFZZ	J	AC	Rail,Guide
302	NGERH0586AFZZ	J	AC	Gear,Middle
303	NGERH0587AFZZ	J	AC	Gear,Drive
304	NSFTM0291AFFW	J	AD	Shaft,Guide
⚠ 308	DCTRH8004SJ01	J	BC	Pickup Unit Ass'y
308- 1	————		—	Pickup Unit (Not Replacement Item)
308- 2	MSPRC0961AFZZ	J	AA	Spring,Rack
308- 3	NGERR0043AFZZ	J	AC	Gear,Rack
701	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×ø3.8×0.25mm
702	XBBSD20P03000	J	AA	Screw,ø2×3mm
703	XBBSD26P06000	J	AA	Screw,ø2.6×6mm
704	XHBSD20P05000	J	AA	Screw,ø2×5mm
NM801	RMOTV0409AFM1	J	AN	Motor with Gear [Sled]
NM802	RMOTV0003SJM1	J	AP	Motor with Chassis [Spindle]
SW4	QSW-F9001AWZZ	J	AE	Switch,Leaf Type [Pickup In]

CABINET PARTS

201	CPNLC1057SJ02	J		Front Panel Ass'y
201- 1	————		—	Front Panel (Not Replacement Item)
201- 2	JKNBZ0065SJSA	J	AD	Button,Power
201- 3	JKNBZ0066SJSA	J	AG	Button,Function
201- 4	GCOVA1022SJSA	J		Cover,Remote Sensor
201- 5	JKNBZ0068SJSA	J		Button,Equalizer
201- 6	JXNBZ0066SJSA	J		Button,Operation
201- 7	NGERH0001SJSA	J	AD	Gear,Damper
201- 8	HDECQ0086SJSA	J	AE	Panel,Amp
202	GITAS0006SJ01	J	AM	Side Panel Ass'y,Left
202- 1	————		—	Side Panel,Left (Not Replacement Item)
202- 2	PCUSG0016SJZZ	J		Cushion,Leg
203	GITAS0007SJ01	J	AM	Side Panel Ass'y,Right
203- 1	————		—	Side Panel,Right (Not Replacement Item)
203- 2	PCUSG0016SJZZ	J		Cushion,Leg
204	GCAB-1001SJSA	J	AP	Top Cabinet
205	GCOVA1019SJSA	J		Cover,Cassette,Left
206	GCOVA1020SJSA	J		Cover,Cassette,Right
207	GCOVA1021SJSA	J		Cover,CD Tray
208	GDORF0026SJSA	J	AF	Holder,Cassette,Left
209	GDORF0027SJSA	J	AF	Holder,Cassette,Right
211	GITAR0031SJSA	J	AM	Rear Panel [Except for Canada]
211	GITAR0038SJSA	J		Rear Panel [For Canada]
213	HDECQ0087SJSA	J	AD	Panel,Cassette,Left
214	HDECQ0088SJSA	J	AD	Panel,Cassette,Right

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NO.	PART CODE	★	PRICE RANK	DESCRIPTION
215	JBTN-0025SJSA	J	AD	Button,Record [Tape 1]
216	JBTN-0026SJSA	J	AD	Button,Play [Tape 1]
217	JBTN-0027SJSA	J	AD	Button,Rewind [Tape 1]
218	JBTN-0028SJSA	J	AD	Button,Fast Forward [Tape 1]
219	JBTN-0029SJSA	J	AD	Button,Stop [Tape 1]
220	JBTN-0030SJSA	J	AD	Button,Pause [Tape 1]
221	JBTN-0031SJSA	J	AD	Button,Play [Tape 2]
222	JBTN-0032SJSA	J	AD	Button,Rewind [Tape 2]
223	JBTN-0033SJSA	J	AD	Button,Fast Forward [Tape 2]
224	JBTN-0034SJSA	J	AD	Button,Stop [Tape 2]
225	KMECB0010SJZZ	J		Tape Mechanism Ass'y
225- 1	9GDSO2210173	J		Pinch Roller Arm Ass'y
225- 2	9GDSO2210169	J		Head,Erase [Tape 1]
225- 3	9GDSO2210170	J		Head,Record/Playback
225- 4	9GDSO2210613	J		Belt,Main
225- 5	9GDSO2210612	J		Belt,FF/REW
225- 6(SW5,SW8)	9GDSO2210171	J		Switch,Leaf Type,Play
225- 7(SW6,7)	9GDSO2210172	J		Switch,Leaf Type,FF/REW
225- 8(M2)	9GDSO2210168	J		Motor with Pulley [Tape]
226	LANGK0040SJFW	J		Bracket,Rear Panel
227	LCHSM0018SJFW	J		Shassis,Main
228	LANGK0042SJFW	J		Bracket,PWB
230	LHLDW1001SJZZ	J	AD	Nylon Band
231	LHLDZ1052SJSA	J		Holder,FL Display
234	MSPRD0020SJFJ	J	AD	Spring,Cassette Holder
236	MSPRD0023SJFJ	J		Spring,Cassette Holder
239	PCOVS3007SJFW	J		Cover
240	PCUSG0010SJZZ	J		Cushion,Leg
243	PRDAR0057SJFW	J		Heat Sink
⚠ 250	QFSHD0001AWZZ	J	AB	Holder,Fuse
251	9GDM03-SCT01	J		Bush,Changer
252	9GDM03-SZP01	J		Turntable
253	9GDM03-JYT01	J		Yoke,Chucking
254	9GDM03-CT001	J		Magnet
255	9GDM03-SYP01	J		Stabilizer
256	9GDM03-SCT01	J		Loading Tary
257	9GDM03-XHQ01	J		Cushion,Ring
258	9GDM03-XPD01	J		Belt
259	9GDM03-SCL06	J		Gear,Transporting
260	9GDM03-SCL01	J		Pulley,Loading
261	9GDM03-JDB03	J		Base,Transporting Parts
262	9GDM03-SCL05	J		Gear,Abaxial
263	9GDM03-SCL04	J		Gear,Drive
264	9GDM03-JSP01	J		Slice,Limiting
265	9GDM03-SCL02	J		Gear,Tarns
266	9GDM03-SCL03	J		Gear,Blidge
267	9GDM03-SHB01	J		Skateboard
268	9GDM03-JZZ01	J		Axis,Rotational
269	9GDM03-JZZ02	J		Axis,Locating
270	9GDM03-JDB02	J		Base,Rotational Parts
271	9GDM03-SJZ01	J		Base,Motor
272	9GDM03-SZT01	J		Bush
273	9GDM03-JDB01	J		Soleplate
274	9GDM03-SDK02	J		Pad,Right
275	9GDM03-SDB01	J		Pad,Small
276	9GDM03-SDZ02	J		Base,Right
277	9GDM03-SDK01	J		Pad,Left
278	9GDM03-SDZ01	J		Base,Left
279	9GDM03-JYP01	J		Slice,Iron
280	9GDM03-JCH01	J		Spring,Thick
281	9GDM03-XXJ01	J		Rubber,Absorping
282	9GDM03-SGJ01	J		Frame,Load
283	9GDM03-STG01	J		Bar,Switch
284	9GDM03-SCG01	J		Bar,Selecting
601	LX-BZ0003SJZZ	J		Screw,Transport
602	LX-BZ0004SJZZ	J		Screw,Special
604	LX-JZ0001SJFD	J	AA	Screw,ø3×10mm
605	LX-JZ0002SJFD	J		Screw,Special
609	XHBSD30P06000	J	AA	Screw,ø3×6mm
610	XHBSF30P06000	J	AA	Screw,ø3×6mm
611	XHBSF30P08000	J	AA	Screw,ø3×8mm
612	XHSSD30P08000	J	AA	Screw,ø3×8mm
613	XJBSD25P10000	J		Screw,ø2.5×10mm
614	XJBSD30P08000	J	AA	Screw,ø3×8mm
615	XJBSD30P10000	J	AA	Screw,ø3×10mm
616	XJBSD30P24000	J	AA	Screw,ø3×24mm
617	XJBSF30P08000	J	AA	Screw,ø3×8mm
618	XJBSF30P10000	J	AA	Screw,ø3×10mm
619	XJBSF30P16000	J	AA	Screw,ø3×16mm
620	XJPSF30P04000	J		Screw,ø3×4mm

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
PACKING PARTS (EXCEPT FOR U.S.A.)				
	SPAKA0120SJZZ	J		Packing Add.,Left
	SPAKA0121SJZZ	J		Packing Add.,Right
	SPAKC0212SJZZ	J		Packing Case [Except for Canada]
	SPAKC0214SJZZ	J		Packing Case [For Canada]
	SSAKA0002SJZZ	J	AE	Polyethylene Bag,Accessories
	SSAKH0017SJZZ	J		Polyethylene Bag,Unit
ACCESSORIES				
⚠	QACCU0003SJ00	J	AH	AC Power Supply Cord
	QANTL0004SJZZ	J		AM/FM Loop Antenna
	TCAUZ0024SJZZ	J		Sheet,Caution
	TCAUZ0029SJZZ	J		Sheet,Caution
	TINSE0080SJZZ	J	AF	Operation Manual [Except for Canada]
	TINSK0033SJZZ	J	AG	Operation Manual [For Canada]
	TINSZ0131SJZZ	J	AD	Quick Guide [For U.S.A. Only]
	TLABR1250SJZZ	J		Label,
	TLABZ0074SJZZ	J		Label,Feature [Tape 1]
	TLABZ0075SJZZ	J		Label,Feature [Tape 2]
	RRMCG0047SJSA	J	AQ	Remote Control
	GFTAT1121AFSA	J		Battery Lid,Remote Control
P.W.B. ASSEMBLY (Not Replacement Item)				
⚠ PWB-A1~9	DCEKKV204SJ03	J	—	Main/CD Servo/Power/ Headphones/Switch A/Switch B/CD Loading Motor/T/TUp/ Down Motor/Speaser (Combined Ass'y)
PWB-B	DCEKNV204SJ03	J	—	Display
PWB-C	QPWBF3895AFZZ	J	AC	CD Motor (PWB Only)

CP-XP120

SPEAKER BOX PART

901	B3CPXP120U	J		Speaker Ass'y

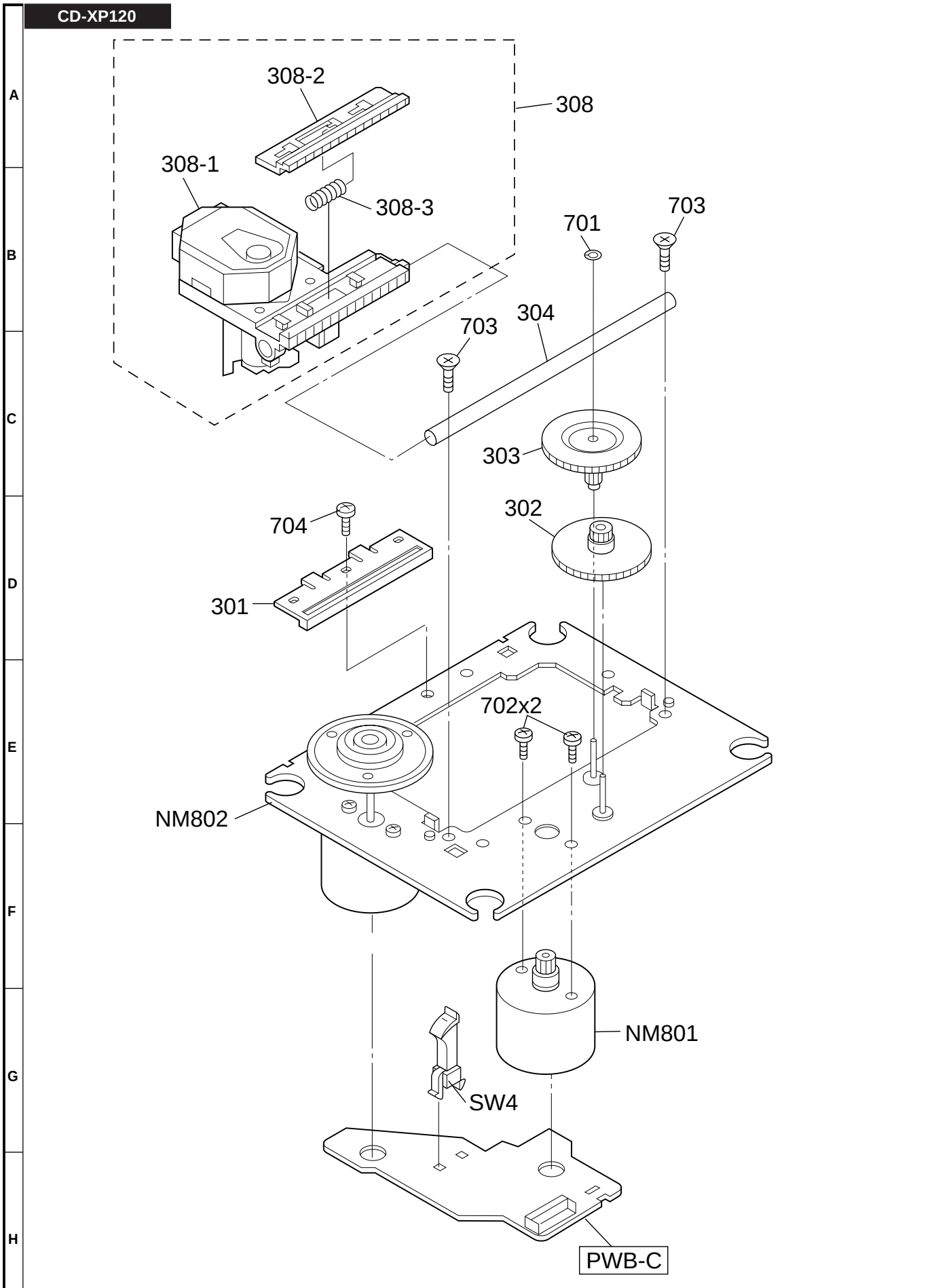
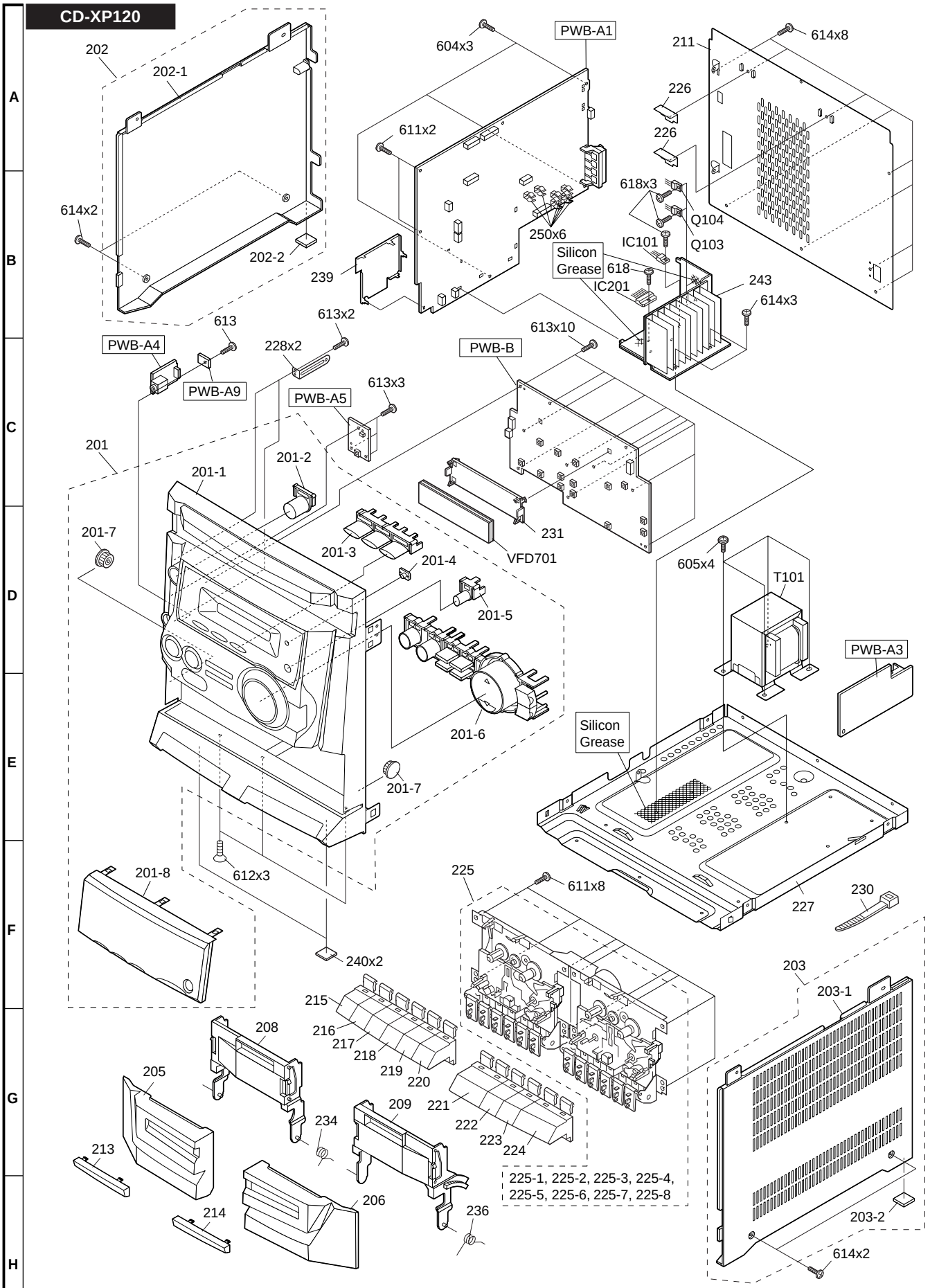


Figure 6 CD MECHANISM EXPLODED VIEW



Note: Only the unit and consumable parts are supplied as parts supply for the Tape mechanism.

Figure 7 CABINET EXPLODED VIEW (1/2)

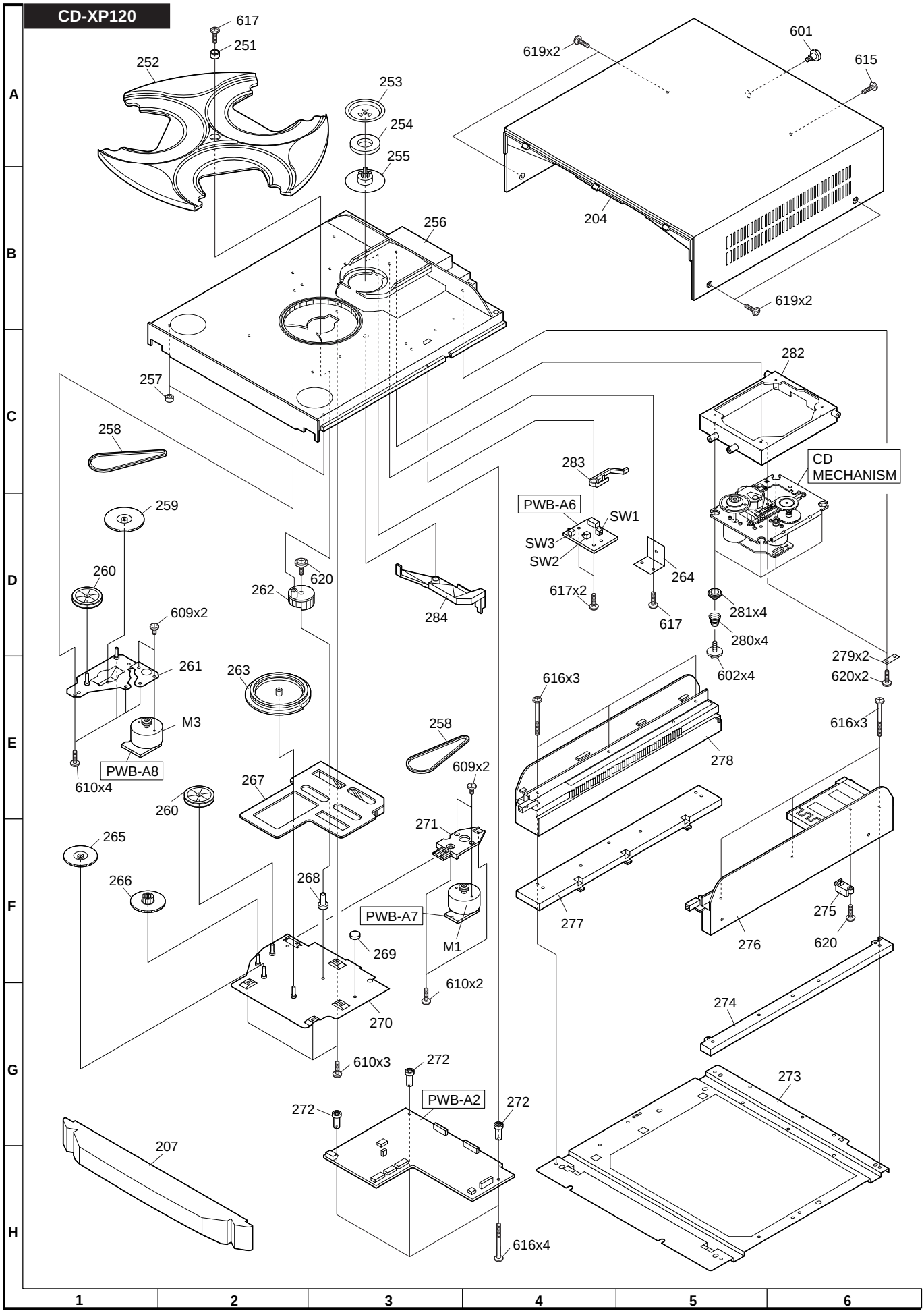
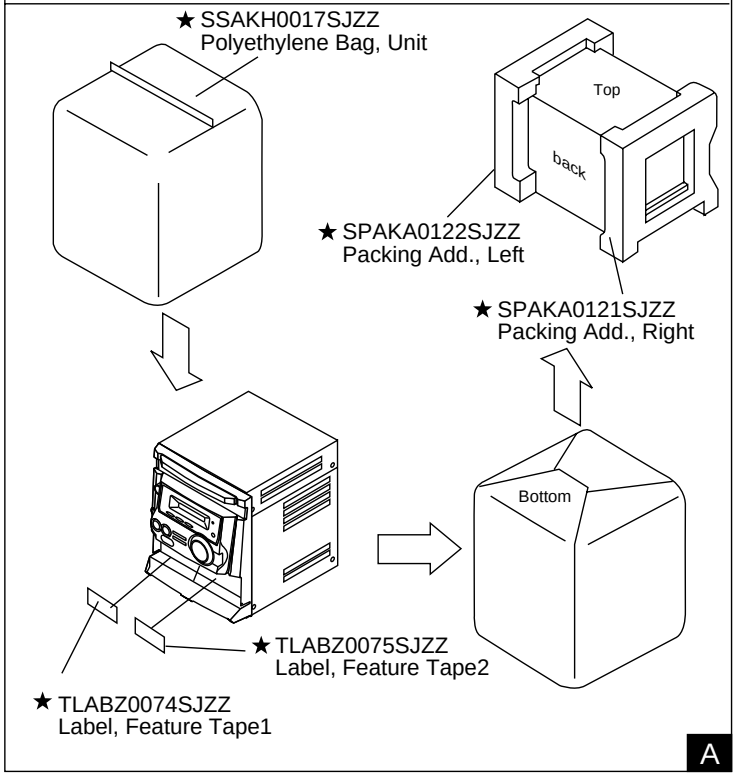


Figure 8 CABINET EXPLODED VIEW (2/2)

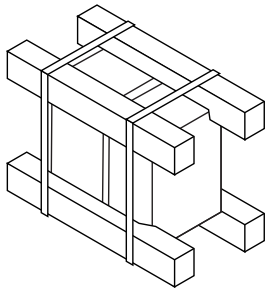
PACKING OF THE SET

Setting position of switches and knobs	
Tape Mechanism	STOP

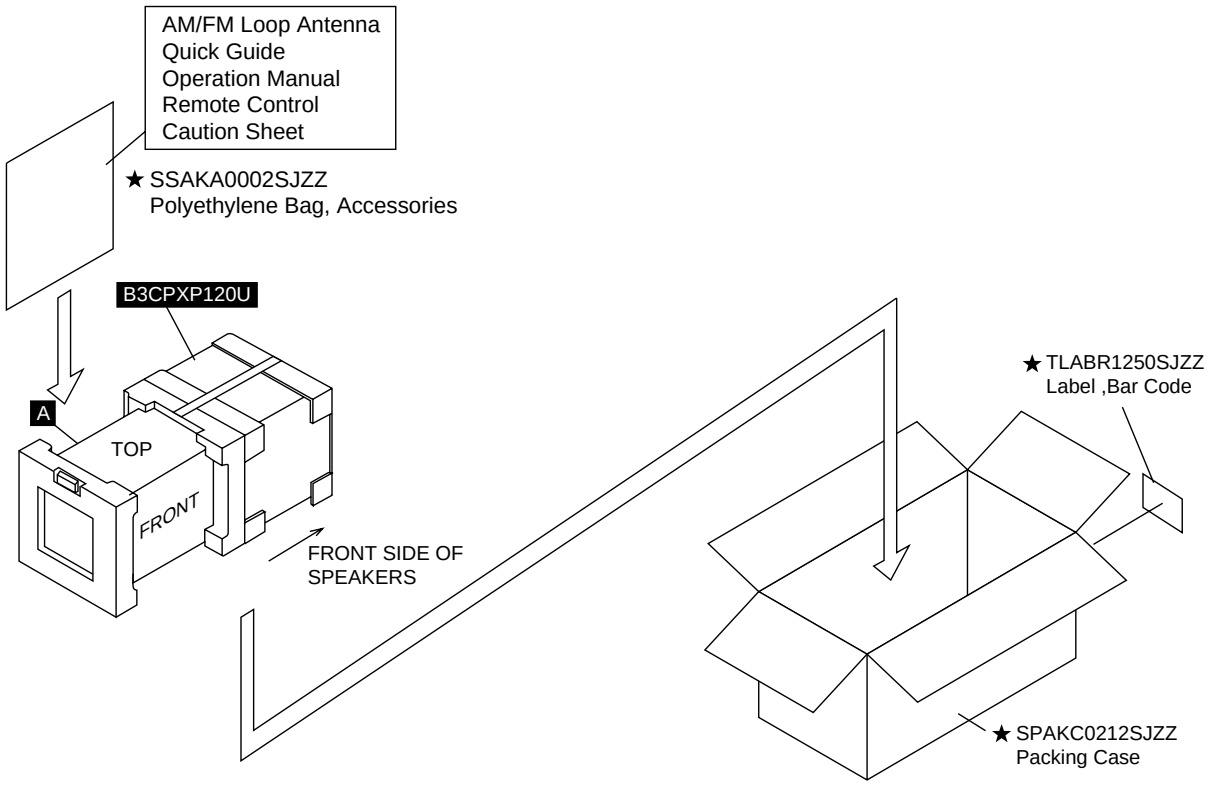
UNIT



SPEAKER ASS'Y | CP-XP120



B3CPXP120U



★ Not Replacement Item

— M E M O —

SHARP

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